



METRIC 公制尺寸

R

斜齒輪減速機

SERIES IN-LINE HELICAL GEAR REDUCERS



外型安裝尺寸與德國領導品牌相容

INSTALLATION DIMENSION ARE CONSISTENT WITH GERMAN MODEL



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斜齒輪減速機 R 系列 In-line Helical Gear Unit R Series

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1.1 公司簡介

1. 1960 年本公司董事長陳茂正先生創設“成大機器廠”於高雄市自強二路，工廠取名“成大”乃本於其對母校成功大學機械系在機械專業知識教育養成之感恩及飲水思源之情。
2. 成大機器廠成立後，專門從事汽車船舶引擎曲軸之研磨再生，汽缸搪缸及柴油引擎校正等機械加工工程，當時為南台灣之翹楚，由於技術精良服務親切，開業後旋即聞名遐邇，生意蓬勃。
3. 1971 年本於公司發展應有自主性產品，才能永續經營遂與日本減速機製造廠技術合作，開始生產製造自有品牌之成大齒輪減速機，發展至今，公司員工近 100 名，產品以自有之 CHENTA 品牌行銷全球。主要市場為台灣、亞洲、北美洲及中東，至今已執台灣業界之牛耳。並在海外設立美國分公司及中國上海分公司。
4. 建廠以來，本公司即本著“結合一流人才，研發製造高品質的產品”為信念。產品政策以“品質保證”“交貨準確”“價格競爭”“生產合理”及“行銷國際”為追求目標。
5. 累積 50 多年之機械製造經驗及誠信經營精神，本公司已自然形成一種優良的公司文化，此精神文化乃是公司最寶貴之資源，表諸文字即是“新”“實”“勤”“效”，乃創新、信實、勤快、效益，之意也。
6. 全體員工受此公司文化之薰陶，工作勤奮盡忠職守。在良好工作環境下，協力合作積極創新。使公司持續穩定發展，營造共同效益。
7. 本公司將在現有資源文化基礎上，繼續秉持敬業精神，以客戶至上的服務態度，精益求精，生產高品質具競爭價位之齒輪減速機回饋國內外客戶，與客戶攜手成長，以臻永續經營之目標。

公司概要

公司名稱：成大精機工業股份有限公司
成立：民國 60 年（1971 年）
職工人數：100 名
廠房面積：仁武廠 7000m²
 上海廠 6800m²
 蘇州廠 30000m²

1.1 CHENTA Company Profile

1. In 1960, Mr. Mao Cheng Chen, president of the company, and two other colleagues in the department of Mechanical Engineering of the Tainan Engineering College (predecessor of Cheng Kung University) established a company called “Chen Ta Machinery Works”. It was named “Chen Ta” in remembrance of, and also giving acknowledgement to, their alma mater, Cheng Kung University (called Chen Ta in short) from where Mr. Chen and his colleagues had received their specialized mechanical education.
2. Chen Ta Machinery Works specialized in machining jobs such as grinding/re-building of the crankshafts of automobile and vessel engines, cylinder overhaul, and diesel engine adjustment. Back then, she was the best of her field in southern Taiwan. Due to the excellent technique and the cordial service, the company name was soon well known and the business became prosperous.
3. In 1971, to support a long-term operation, the company needed her own products, so the technical cooperation between CHENTA and Japan reducer manufacturer began. From then on, CHENTA started manufacturing her own brand, “CHENTA GEAR REDUCERS”. Now the company has about 100 employees, and her products have been marketing to the world under the name of “CHENTA”. The major markets are in Taiwan, Asia, and North America. In Taiwan, she remains at the top of the field and also established branch offices in the USA and in Shanghai (in China).
4. Since the beginning of the company, our conviction is to “Gather excellent human resource, and research and manufacture high quality products”. Our product policy is targeting at “Guaranteed Quality”, “On Time Delivery”, “Competitive Prices”, “Rational Production”, and “International Presence”.
5. With more than 50 years of experience in mechanical manufacturing and honest operation, a fine culture has naturally grown inside the corporation. This spirit is the most precious resource of our company. The motto of our company is based on “INNOVATION”, “HONESTY”, “DILIGENCE”, and “EFFICIENCY”.
6. Influenced gradually under such fine culture, all employees in CHENTA work hard and take responsibility. They cooperate with each other and innovate actively. With their efforts, CHENTA keep developing and growing up to fight for the mutual benefits.
7. To reach our long term operation goal, based on the company’s existing cultural resources, we will: have high expertise in the field; serve our customers with respect; constantly improve ourselves; manufacture high quality and affordable speed reducers for customers throughout the world, all so that we can grow together with our customers.

COMPANY PROFILE

Company Name: CHENTA PRECISION MACHINERY IND. INC.
 Established: 1971
 Employee: 100 persons
 Plant Sizes: Jen Wu Plant: 7000m²
 Shanghai Plant: 6800m²
 Suzhou Plant: 30000M²

1.2 斜齒輪減速機

產品特點說明

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- 1> 設計理念：標準化設計與模組化設計相結合，達到與國際領導品牌具有互換性，且兼具結構緊湊，體積小等特點。
- 2> 節能效率：高效斜齒輪組傳動，效率可以達到 90% 以上。
- 3> 廣泛速比：速比由 1/1.3~1/27788 不等，並配合速比可使用 1-3 段齒輪組。
- 4> 負載範圍：負載可根據不同需求從 1/4HP ~ 150HP 任意選擇，可滿足不同之需求。
- 5> 承載能力：所有斜齒輪採用鉻鉬合金鋼經滲碳及研磨處理，具有更高的負載能力；入力第一段齒軸由 2 只軸承雙邊支撐，確保高速運轉穩定度，優於一般單邊支撐軸承。
- 6> 規格齊全：符合多樣化安裝方式需求，備有立式、臥式、雙軸式、馬達直結式等。
- 7> 安裝靈活：每種規格可以從 M1 到 M6 任意方向位置上安裝，產品應用更靈活方便。
- 8> 外觀結構：專業設計團隊確保外形美觀且結構穩固。

In-line Helical Gear Reducers

Advantages

- 1>Design Concepts: The combination of standardization and modularization allows interchangeability with international leading brands, while keeping structure rigidity and compactness.
- 2>Energy Efficiency: Leveraging the advantage of high accuracy of helical gears, the reducers perform at 90% efficiency with higher stability and lower noise level.
- 3>Ratios Coverage: The ratio ranges between 1/1.3 ~ 1/27788, providing wide range of ratio accommodation, with 1-3 stages of reduction.
- 4>Loading Capacity: Available with power ranges from 1/4HP up to 150HP, depending on different requirements and applications.
- 5>Tensile Strength: Pinion and gears are made with 20CrMo alloy steel plus carburizing heat treatment to enhance performance; the input pinion is equipped with double bearing support to provide stability at high speed.
- 6>Complete Series: Vertical and horizontal mounting along various input mechanism ensure our products meet wide range of applications.
- 7>Installation Flexibility: All models are designed for a choice of mounting position (M1~M6) specified by customers.
- 8>Appearance Aesthetics: The reducers are designed with modern exterior while maintaining high rigidity.

1.3 操作需知 Operation Manual

- 此操作需知是為了幫助您正確安裝及使用本減速機，為了防止問題產生，適當的安裝與操作是很重要的，而這個需知也包含了重要的保養建議。
- 在出貨前每一台成大減速機都經過檢驗及測試後才妥善包裝，不過當您收到貨品時請立刻檢查是否有短少或運輸損壞情形，若有，請記錄損壞或短少情形以便日後與運輸廠商求償，同時也請您通知成大公司貨品受損情形。
- This operation manual is to help you install and operate speed reducer correctly. To avoid damages to the speed reducers, proper installation and operation is very crucial. This manual also includes official recommendations on maintenance for an extended lifespan of speed reducers.
- Every CHENTA speed reducer passed strict inspection and testing before being properly packaged for shipping. Upon receipt of the speed reducer, please check for any shortage or damage of parts during transit. Please be sure to contact Chenta for identification of responsible carrier and made record of the issue. We are committed to excellence in quality and devoted to solving problems for our clients.

一、安裝

1. 減速機入力軸直接與馬達聯結時，應採彈性聯軸器；出力軸直接與設備聯結時，宜採用齒輪聯軸器。
2. 減速機應安裝在穩固的基礎座，且須注意空氣流通及換油時，注油及洩油之方便性。
2. 減速機安裝後，用手轉動需靈活，不可有卡死現象。
4. 減速機安裝好，使用前應先進行空負荷運轉，確定機器各部份都無異狀後，方可正式使用，如有故障應先排除。

I. Installation

1. Flexible couplings are preferred when input shaft connects directly to the motor; gear couplings are preferred on the output shaft's connection to the application.
2. Install on a stable base with good air ventilation; the accessibility of oil filling / draining should be considered.
3. The input shaft of the reducer and the motor shaft should be in alignment within the tolerance allowance.
4. After installation, please turn the input shaft manually first to check for any locking.
5. No-load running test should be performed first; any abnormality should be corrected prior to regular operation.

二、潤滑

1. 新減速機使用時，於運轉 500 小時後，需更換新油，其後每使用 2500 小時需換油；但在使用過程中仍應定期檢查油的質、量，若油有雜質、老化、變質情況，必須隨時更換。
2. 減速機應使用固定品牌、規格之齒輪油，不應將不同品牌、規格或不同類型的油箱混合使用。
3. 在換油過程中，應先將減速機內部清除乾淨，再注入新油。
4. 在使用期間，當發現油溫過高（超過 80°C 以上）時，以及有不正常的噪音等現象，應立即停止使用、檢查原因，等排除故障或更換潤滑油後，才可繼續使用。
5. 推薦用油：請見 P. 25 油量表。

6. 除非客人有特殊指定，否則成大公司會在每一台減速機出廠前根據安裝方式填加適當及適量之潤滑油，若客人欲自行填加潤滑油也請根據潤滑油建議表適當填加。

II. Lubrication

1. The first oil change should be performed after 500 hrs of operation; subsequent oil change is needed every 2,500 hrs of operation. Nevertheless, a regular check on oil level and conditions are recommended.
2. Please fill only with compatible specifications of oil and do not mix oil of different specifications in a single unit.
3. The interior of the reducer should be flushed and drained before filling with fresh oil.
4. Please shut the reducer immediately for inspection if the temperature rises above 80°C or any abnormal noise occurred. Restart only after the issues identified and cleared.
5. Lubricant recommendation: MOBIL Gear 632, SHELL Omala 320, MOBIL Mobilube HD80W-90, SHELL Spirax E.P 90.
6. Unless specified otherwise by the customer, every CHENTA speed reducer is supplied with appropriate amount of lubrication according to different installation position before shipping. If customer prefers to fill in the lubricant oil post shipment, please follow the instruction section of this catalog.

三、長期儲存

1. 如果減速機沒有立即安裝使用，請將它保存在乾燥安全處所，而減速機經過長時間儲放後再使用，請您再聯絡成大公司，我們技術人員會告訴您使用前應該注意事項。

III. Storage

1. If the speed reducer is not for immediate installation, please keep the unit away from humidity and heat sources. After extended period of storage, please contact our service personnel for instruction on restoring the original performance prior to installation.

四、安裝附件於減速機軸心上

1. 注意！不可重擊軸心！重擊軸心可能造成軸承傷害導致軸承壽命縮短，我們建議用加熱方式安裝，附件只要加熱到 80°C 就可滑入軸心，如此可以減少軸承損傷的可能性。軸心尺寸公差請參照產品型錄。
2. 安裝軸心聯軸器時應該正確的對心及校正以避免震動及聯軸器異常磨耗等情形發生，並且讓軸心上的軸承免於提早損壞。
3. 為避免出力軸上之軸承承受極度的負載，請參照型錄上的可承受懸吊荷重表，請不可超出限制，如果必須超出建議荷重或是合併有額外軸向及徑向負載，請聯絡我們的工程師，因此時正確的使用應該同時考慮速度、旋轉方向、安裝位置、較大外來的軸向和徑向荷重等合併之因素。

IV. Attachments the parts on reducer's shaft

1. Notice: Avoid heavy impact on shafts! It may cause bearing damages and undermines bearing performances. If bearings are to be replaced, we recommend heating method, which heats the bearing above 80°C, that would allow a clear fit on the shafts and reduce the damage to the bearing. For the tolerance of shaft's diameter, please refer to the specification in catalog.
2. While installing the coupling, make sure to check the alignment of coupling and shaft of speed reducer properly to eliminate the damage on bearings and reduce to vibration frequency and abnormal wear.

3. To avoid overload on the bearings of output shaft, please refer to the OHL (overhung loading) in catalog. For exceeding axial load, please contact our service engineer for consultation.
4. The actual application of following factors such as input and output speed, direction of rotation, installation site and over axial and radial loading should be carefully examined.

五、安裝與操作

1. 減速機安裝應考慮以下幾項因素：
 - * 環境溫度應低於 40℃
 - * 通暢的通風環境。
 - * 適當位置的油位旋塞、透氣注油旋塞與洩油旋塞。
 - * 保留適當的空間以便做設備上的檢修或更換。
2. 減速機應該安置在平坦防震且堅固的構造上，準確的對心是非常重要的，安裝在不平坦的平面上會造成減速機機殼的拉扯甚至破損。
3. 基座平坦度公差請勿超出以下建議：
 - * 77 型或更小 ----0.1mm
 - * 87 型或更大 ----0.2mm
4. 運輸過程中為防止減速機內潤滑油從透氣旋塞滲漏出來，出廠前我們會將透氣孔以紅色插梢堵住，請記得當您安裝好減速機運轉之前，一定要把透氣旋塞上的紅色插拔掉。
5. 安裝前請再次檢視其輸入馬力、減速比與銘牌相符，並檢查減速機輸出軸之旋轉方向與需求一致。

V. Installation & Operation

1. The underlying factors should be taken into consideration:
 - * Ambient temperature below 40℃
 - * Location with good air ventilation
 - * Proper positions for oil plug and drain plug
 - * Sufficient space for periodical inspection, maintenance, and replacement
2. It is necessary for the unit to be installed on a flat, stable and rigid base for accurate alignment to prevent damages to the reducer's housing.
3. The suggested tolerance of flatness on base:
 - * For size 77 or smaller, < 0.1mm/m
 - * For size 87 or bigger, <0.2mm/m
4. To avoid the lubricant splash out during the transportation, breather plug with red pin inserted into air breathing hole. Please remove the red pin before start-up.
5. Before installation, please check the input horsepower and ratio to be the same as the punched name plate of reducer.

六、保養

警告！在電源移除之前不可拆卸或更換設備。

1. 潤滑油油位與品質應為平時保養重點，且根據使用頻率與環境狀況，潤滑油也必須依據建議表做換新動作。
2. 檢查聯軸器的同心度，鍊條或皮帶的鬆緊度，基座固定螺絲之緊度等是否均適當，並保持設備的清潔。

VI. Caution

Caution! The power should be turned off before removal or replacement of the reducer.

1. Oil level and quality lubricant is key point of daily maintenance. Please refer to our suggestion to change the lubricant periodically according to operation frequency site situation.
2. Check the alignment of coupling, the tightness of chain, and nuts and keep the reducer away from excessive dust and grease externally .

1.4 可能發生之異常狀況及改善方法

以下所列為一般性故障，如有特殊異常情形發生時，請與本公司聯絡，我們將提供正確之服務。

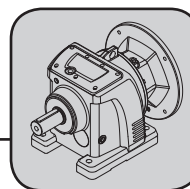
異常情況	原因	改善方法
一、機體發熱	1. 超過標準負荷運轉 2. 潤滑油加入過多或過少 3. 加入潤滑油不適當或不良 4. 油封唇部潤滑不足	1. 調整至正常負荷 2. 潤滑油應加至油位指示 3. 更換適當之齒輪潤滑油 4. 塗抹少許油脂於油封唇處
二、運轉有聲音	1. 有規律噪音 { 齒面接觸不良 軸承損壞 2. 尖銳的金屬聲音 { 軸承間隙太小 潤滑油不足 3. 不規律噪音 { 異物掉入 軸承受損	1. { 修整齒接觸面 更換軸承 2. { 更換軸承 補足潤滑油 3. { 除去異物，更換新潤滑油 更換軸承
三、運轉時振動	1. 齒輪磨損 2. 異物掉入 3. 軸承磨耗或受損 4. 螺絲鬆動	1. 更換齒輪 2. 除去異物，更換新潤滑油 3. 更換軸承 4. 鎖緊螺絲
四、漏油	1. 油封損傷 2. 墊片破損 3. 排油栓未鎖牢 4. 蓋類或法蘭螺絲鬆脫	1. 更換油封 2. 更換墊片 3. 鎖緊排油栓塞 4. 鎖緊螺絲
五、入力軸及出力軸無法轉動	1. 齒輪啮合面因高熱而黏合 2. 軸承已損壞 3. 有固形物（硬物）啮入齒輪接合面	1. 依程度而判斷可調整或更換齒輪 2. 更換軸承 3. 除去硬物，清洗內部後更新潤滑油
六、入力軸空轉而無法帶動出力軸轉動	1. 齒輪已磨耗 2. 齒輪與出力軸之配合鍵破損 3. 入力軸折斷 4. 出力軸折斷	1. 更換齒輪 2. 更換鍵 3. 更換入力軸 4. 更換出力軸
七、齒輪磨耗較大	1. 超正常負荷 2. 潤滑油不良或不適當 3. 潤滑油不足 4. 運轉環境溫度過高	1. 調整適當負荷 2. 更換適當之潤滑油 3. 補充潤滑油 4. 改善通風環境

General Problems & Improvements

The following lists are general problem situations. In case that other problems happen, please contact us directly to get more information.

1

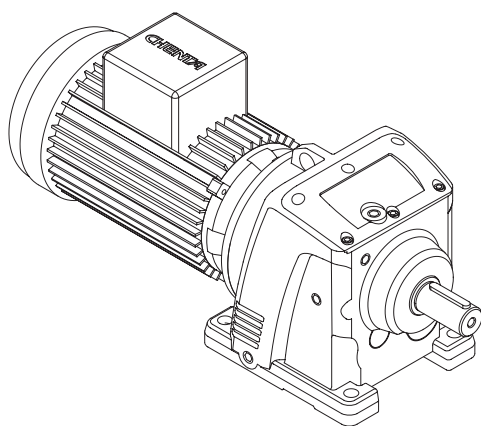
CAUSE	REASON	IMPROVEMENT
I. Overheat	1. Overload 2. Lubricant oil overfill or shortage 3. Improper lubricant oil 4. Extra friction on oil seal(lack of lubricant)	1. Adjust to proper loading 2. Add lubricant to the level of oil gauge 3. Chang proper lubricant oil 4. Lip lubricant at oil seal
II. Noise	1. Consistent noise { improper gears contact; bearing damaged 2. Screaming noise { bearing gap too small; lubricant oil shortage 3. Inconsistent noise { some object insert; bearing damaged	1. { Repair gears; Replace bearing 2. { Replace bearing; Fill in lubricant oil 3. { Remove debris & replace lubricant oil; Replace bearing
III. Vibration	1. Gear wear 2. Debris inside 3. Bearing worn-out or damaged 4. Bolt loose	1. Replace gear 2. Remove debris & replace lubricant oil 3. Replace bearing 4. Tighten bolt
IV. Oil Leakage	1. Oil seal damage 2. Gasket damage 3. Loose drain plug 4. Loose covers or flange	1. Replace oil seal 2. Replace gasket 3. Tighten drain plug 4. Tighten the bolts
V. Input and Output Shaft Fail	1. Gear-bound caused by overheat 2. Bearing damage 3. Debris between gears	1. Adjust or replace gears 2. Replace bearing 3. Remove debris; clean inside then replace lubricant oil
VI. Input shaft fail to drive output shaft	1. Gear wear 2. Damage to key connecting gear and output shaft 3. Input shaft rupture 4. Output shaft rupture	1. Replace gears 2. Replace key 3. Replace input shaft 4. Replace output shaft
VII. Gear Worn-out	1. Overload 2. Improper lubricant oil 3. Lubricant oil shortage 4. Excessive ambient temperature	1. Adjust to proper loading 2. Change proper lubricant oil 3. Refill lubricant oil 4. Ventilation improvement



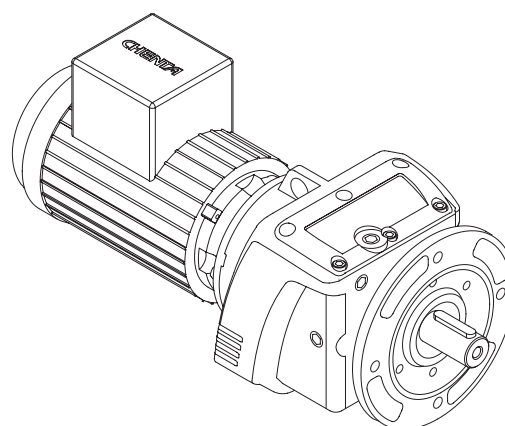
2.1 產品型式 Variants

馬達直結 Couple with Motor

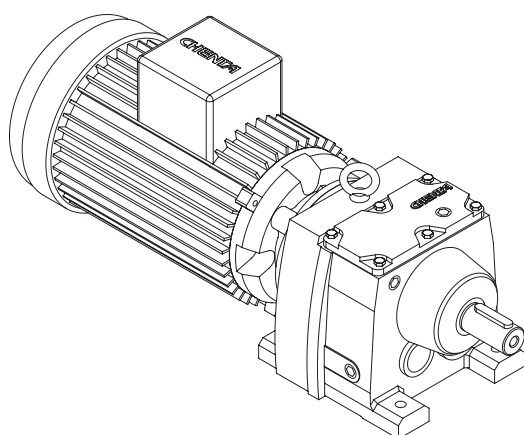
R...



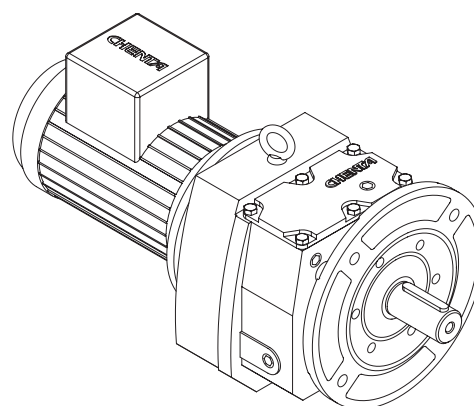
LHM...



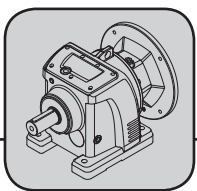
LVM...



MHM...



MVM...

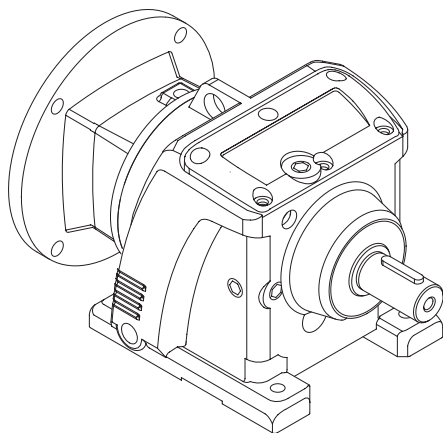


Helical Gear Units

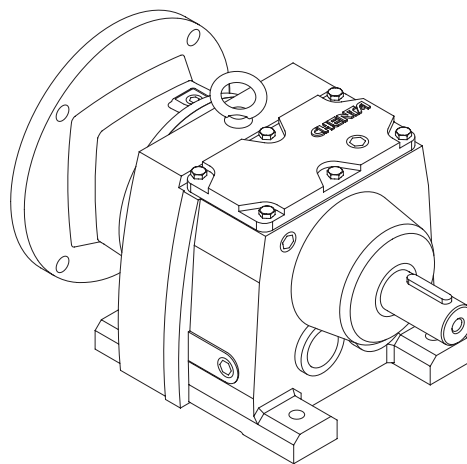
Variants

入力法蘭 Input Flange

R...

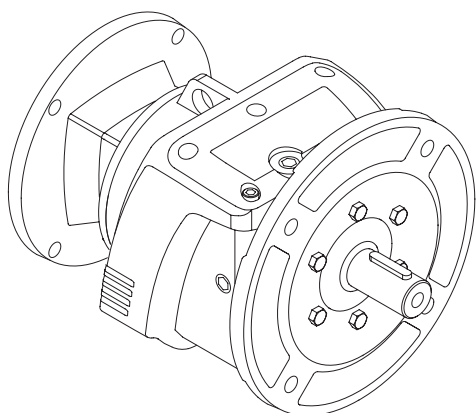


LHF...

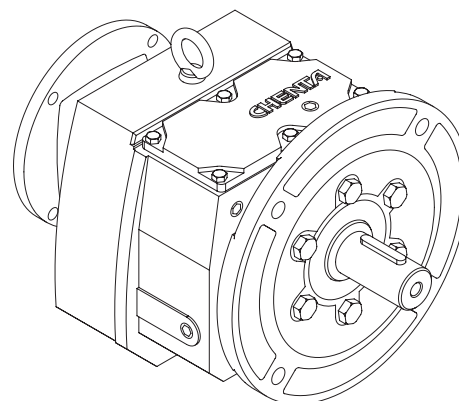


MHF...

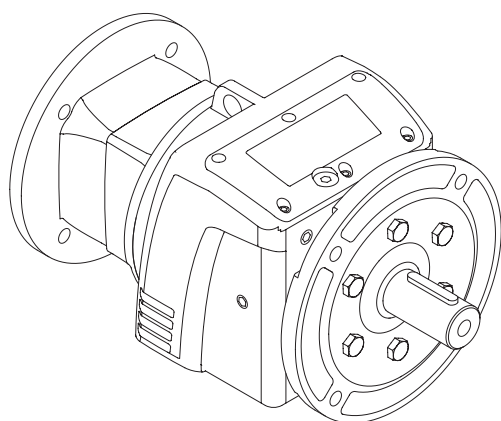
2



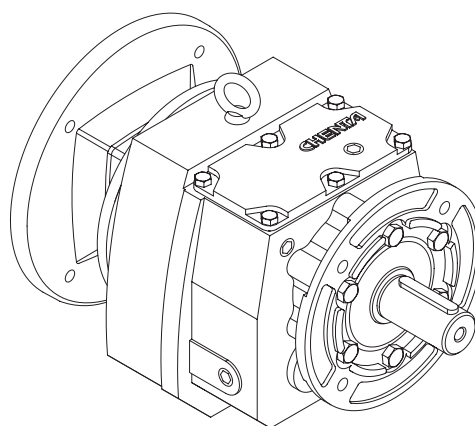
LVF...



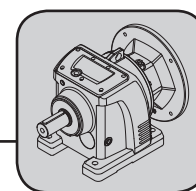
MVF...



LWF...

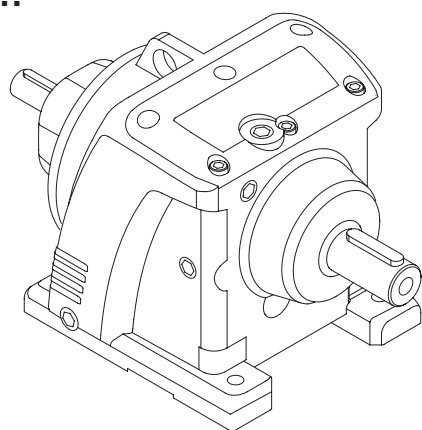


MWF...

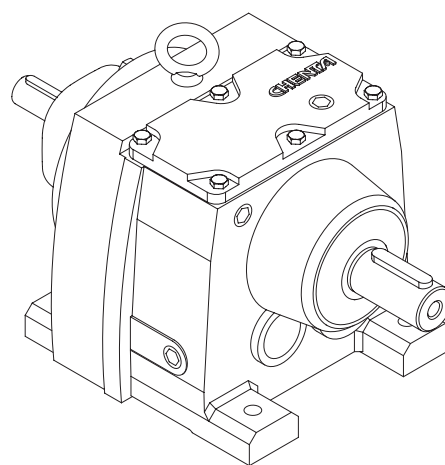


實心入力 Solid Input Shaft

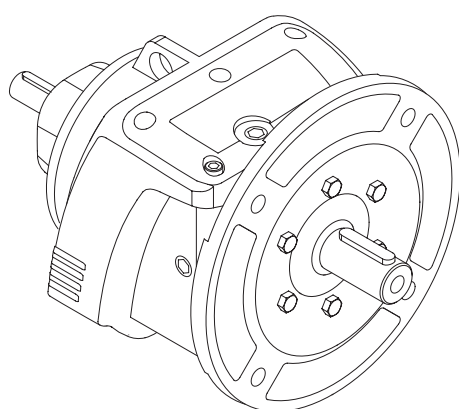
R...



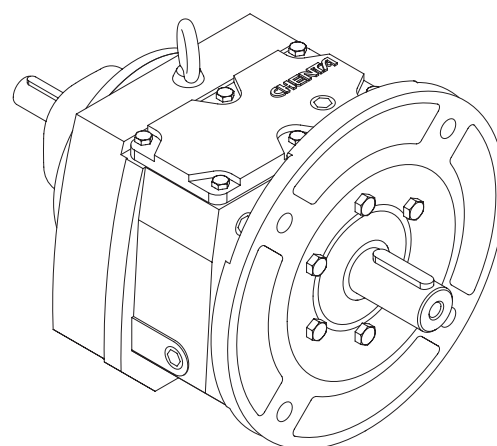
LHD...



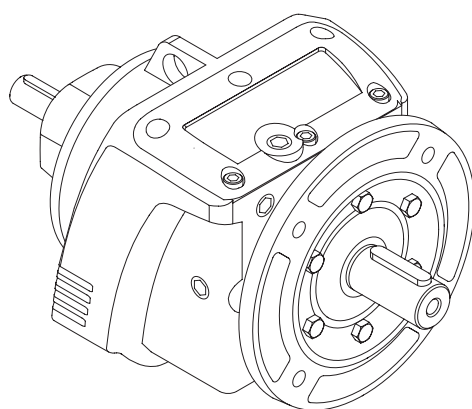
MHD...



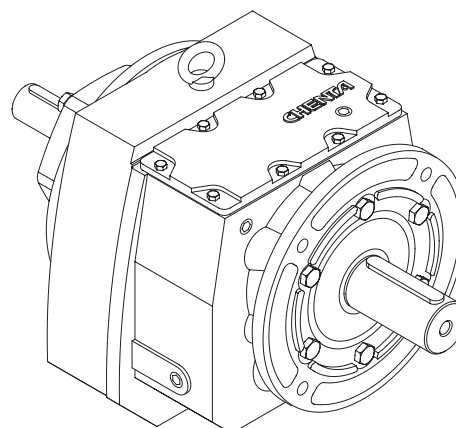
LVD...



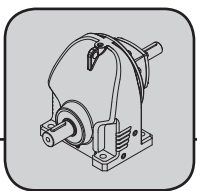
MVD...



LWD...



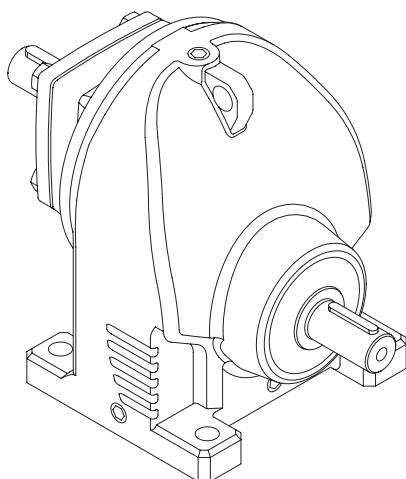
MWD...



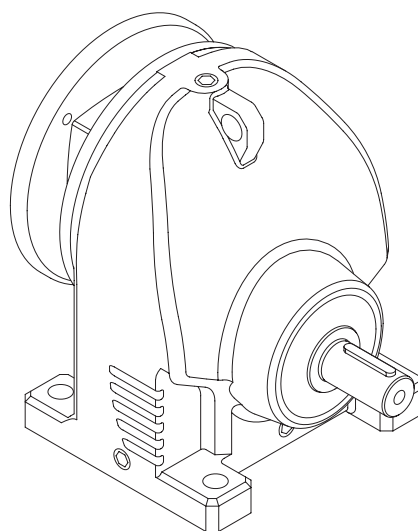
Helical Gear Units

Variants

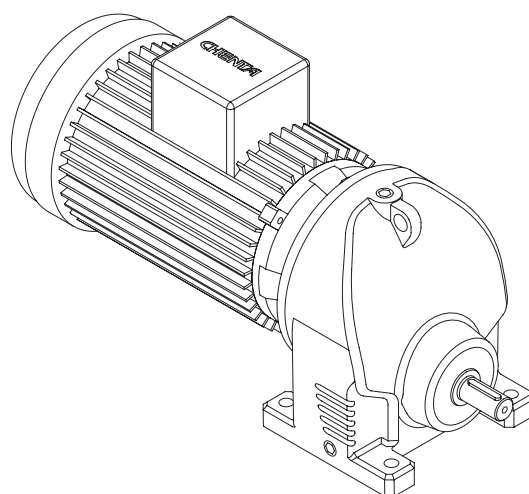
RX...



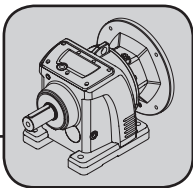
XHD...



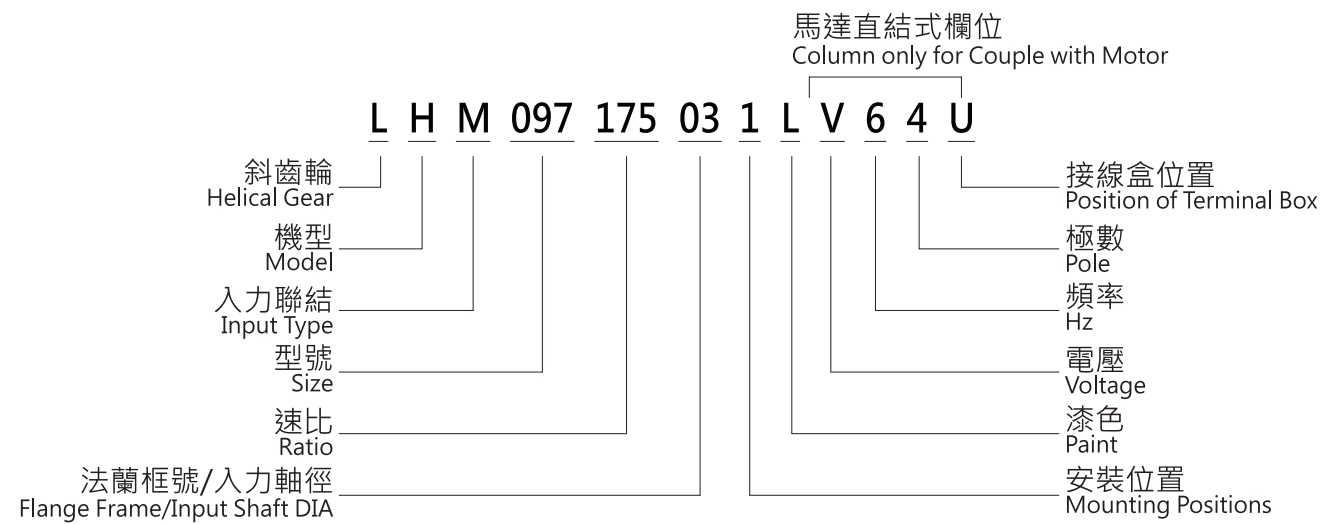
XHF...



XHM...



2.2 編碼說明 Order Code



機型 Model

RX...(57-107)

XH 臥式 (Foot Mounting)

R...(37-97)

LH 臥式 (Foot Mounting)

LV 立式 (Flange Mounting)

R...(17,107-167)

MH 臥式 (Foot Mounting)

MV 立式 (Flange Mounting)

法蘭框號/入力軸徑 Flange Frame/ Input Shaft DIA

公制框號

IEC Standard 4-Pole

QQ : 1/4HP 25 : 25HP

HH : 1/2HP 30 : 30HP

01 : 1HP 40 : 40HP

02 : 2HP 50 : 50HP

03 : 3HP 60 : 60HP

05 : 5HP 75 : 75HP

07 : 7.5HP 100 : 100HP

10 : 10HP 125 : 125HP

15 : 15HP 150 : 150HP

20 : 20HP

英制框號

NEMA Standard

01 : 56C

02 : 143T

04 : 182/184T

06 : 213/215T

08 : 254/256T

10 : 284/286T

12 : 324/326T

14 : 364/365T

16 : 404/405T

入力軸徑

Input Shaft DIA

16 : Ø16

19 : Ø19

24 : Ø24

28 : Ø28

38 : Ø38

42 : Ø42

48 : Ø48

55 : Ø55

70 : Ø70

入力聯結 Input Type

F 法蘭入力 IEC B5

Input Flange IEC B5

B 法蘭入力 IEC B14

Input Flange IEC B14

N 法蘭入力 NEMA

Input Flange NEMA

D 實心入力

Solid Input Shaft

M 馬達直結

Couple With Motor

安裝位置 Mounting Positions

M1、M2、M3、M4、M5、M6

漆色 Paint

L : 灰漆 Gray

電壓 Voltage

2 : 220/380

4 : 240/415

5 : 220/440

A : 220/230

B : 220/240

C : 220/400

D : 230/400

E : 230/440

F : 240/480

G : 120/208

H : 200/346

K : 208/220

M : 208/240

N : 380/660

V : 208~480

型號 Size

017 : 17 087 : 87

037 : 37 097 : 97

047 : 47 107 : 107

057 : 57 137 : 137

067 : 67 147 : 147

077 : 77 167 : 167

速比 Ratio

004 : 1/4

}

201 : 1/201

頻率 Hz

5 : 50Hz

6 : 60Hz

極數 Pole

2 : 2P

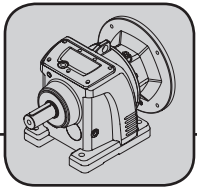
4 : 4P

6 : 6P

8 : 8P

接線盒位置 Position of Terminal Box

U、D、L、R



Helical Gear Units

Input Combinations

2.3 許可配接表 Input Combinations

R77, ne=1400 1/min										750 Nm	實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S		Input shaft mm
7	750	8620	194.80								Ø19
8	750	8620	170.05								
9	750	8620	153.87								
10	750	8620	140.70								
11	750	8620	124.34								
13	750	8620	109.54								
16	750	8620	89.80								
17	750	8620	84.62								
19	750	8100	73.05								
24	750	7320	57.73								
26	750	7060	53.24								
30	750	6670	46.90								
36	665	6100	39.31								

2

減速機-減速比
Gear unit reduction ratio

最大輸出扭矩時，許可的徑向負載 (OHL)
Permitted overhung load at maximum output torque

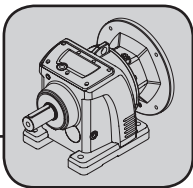
最大輸出扭矩
Maximum output torque

輸出轉速
Output speed

標準配接
Standard

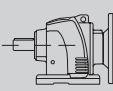
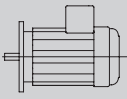
法蘭 / 實心入力- 標準配接
Input Flange / Solid Input Shaft - Standard

馬達直結- 接受客製，請洽公司客服
Couple with motor - Customization accepted
Please contact our customer service



2.4 選型表 Selection Tables

L/M/X..F/..M

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]

- [1]

馬達額定功率
Rated power driving motor
- [2]

輸出轉速
Output speed
- [3]

輸出扭矩
Output torque
- [4]

減速機-減速比
Gear unit reduction ratio
- [5]

出力端許可的徑向負載 (OHL)
Permissible overhung load output side

- [6]

操作係數
Service factor
- [7]

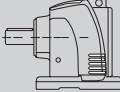
減速機規格
Gear unit size
- [8]

馬達型號
Motor type
- [9]

重量
Weight

2

L/M/X..D

i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		...		m [kg]
R37									200Nm
[1]	[2]	[3]	[4]	[5]	[6]	[7]		[8]	[9]

- [1]

減速機-減速比
Gear unit reduction ratio
- [2]

輸出轉速
Output speed
- [3]

最大許可輸出扭矩
Maximum permitted output torque
- [4]

減速機許可入力功率
Calculated drive power of the gear unit
- [5]

最大輸出扭矩時，許可的徑向負載 (OHL)
Permitted overhung load at maximum output torque

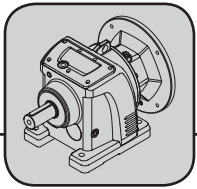
- [6]

入力端許可的徑向負載 (OHL)
Permitted overhung load on the input side
- [7]

減速機規格
Gear unit size
- [8]

入力端軸徑
Input shaft diameter
- [9]

重量
Weight



Helical Gear Units

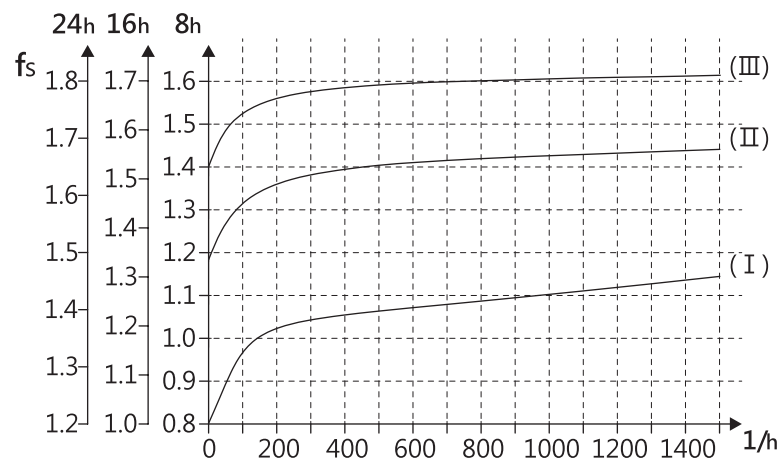
Determining the Service Factor

2.5 操作係數選用 Determining The Service Factor

為確保減速機在不同環境與使用條件下可正常運作，可由[操作係數表]選用合適型號來使用，決定操作係數前必須先確定減速機一天運轉時數、每小時起停次數和負載類型。

The service factor is determined along with the daily operating time (hours/day), operating condition (continuous or intermittent) and level of load; for a proper gear selection, please determine the service factor accordingly.

$$M_a \times f_s \leq M_{max}$$



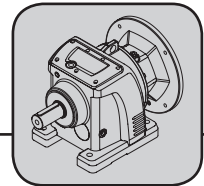
操作係數表

Service Factor

負載類型	I 平均負載：慣性加速系數 ≤ 0.2
Load	Light shocks : mass acceleration factor
Classification	II 中級衝擊負載：慣性加速系數 ≤ 3
	Moderate shocks : mass acceleration factor
	III 重級衝擊負載：慣性加速系數 ≤ 10
	Heavy shocks : mass acceleration factor

$$\text{慣性加速系數} = \frac{\text{所有外部的慣性矩}}{\text{馬達的慣性矩}}$$

Mass acceleration factor = $\frac{\text{all exterior moments of inertia}}{\text{moments of inertia drive motors}}$



[所有外部的慣性矩] - 減速機與驅動設備所產生的慣性矩，需要轉換成等效馬轉速下之慣性矩，公式如下：

[All exterior moments of inertia] - recalculated to motor speed, formula

$$J_X = J \times \left(\frac{n}{n_M} \right)^2$$

J_X : 馬達軸心等效慣性矩
 mass moment of inertia scaled down to the motor shaft
 J : 減速機輸出轉速下的慣性矩
 mass moment of inertia with reference to the output speed of the gear unit
 n : 減速機輸出轉速
 output speed of the gear unit
 n_M : 馬達轉速
 motor speed

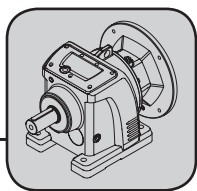
操作系數計算
Calculation of
service factor

$$f_s = \frac{M_{amax}}{M_a}$$

M_{amax} : 減速機最大輸出扭矩
 the maximum permitted continuous torque
 M_a : 減速機輸出扭矩
 output torque of the gear unit

例 慣性加速系數 2.5(負載類型 II)，一天運轉 14 小時(選 16h/天)，每小時起停次數為 300 次。 ... 查表可得 $f_s=1.51$ 。
根據選型表所選擇減速機的 f_s 則需 ≥ 1.51 。

EX If the mass acceleration factor is 2.5 (Moderate shocks II), the operating time is 14 hours per day in an intermittent condition by 300 times per hour. We can acquire $f_s=1.51$ from the f_s chart; according to selection tables, we will know to select the gear unit with $f_s \geq 1.51$.



Helical Gear Units

Tolerances

2.6 公差 Tolerances

軸心高度

Shaft heights

下列公差適用於外型圖標註之尺寸：

The following tolerances apply to the indicated dimensions:

$h \leq 250 \text{ mm} \rightarrow -0.5 \text{ mm}$

$h > 250 \text{ mm} \rightarrow -1 \text{ mm}$

底座安裝減速機：需檢查所使用的馬達，因為它有可能會超出安裝面的下方。

Foot-mounted gear units: Check the mounted motor because it may project below the mounting surface.

軸端

Shaft ends

直徑公差：

Diameter tolerance:

$\emptyset \leq 50 \text{ mm} \rightarrow k6$

$\emptyset > 50 \text{ mm} \rightarrow m6$

中心孔：

Center bores

$\emptyset > 24...30 \text{ mm} \rightarrow M10$

$\emptyset > 30...38 \text{ mm} \rightarrow M12$

$\emptyset > 38...50 \text{ mm} \rightarrow M16$

$\emptyset > 50...85 \text{ mm} \rightarrow M20$

$\emptyset > 85...130 \text{ mm} \rightarrow M24$

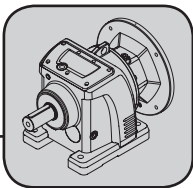
出力法蘭

Output Flanges

定位唇公差：

Centering shoulder tolerance:

$\emptyset h7$

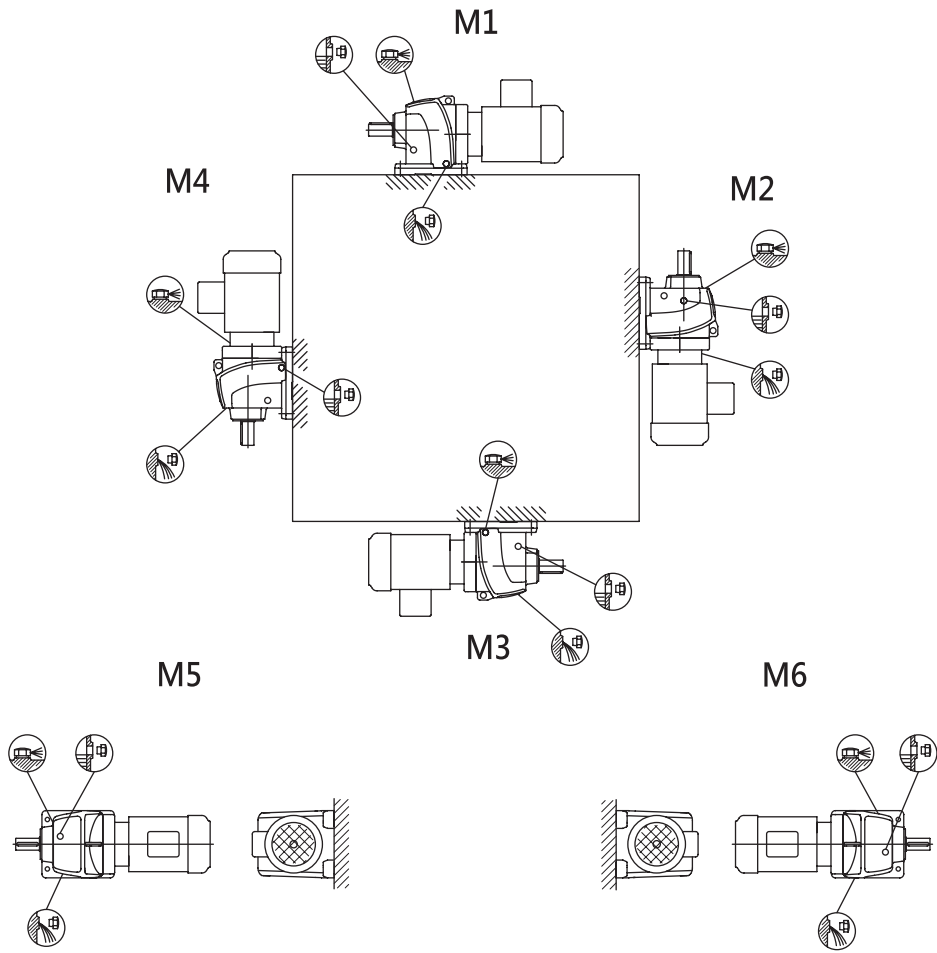
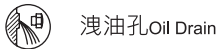
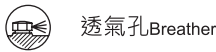
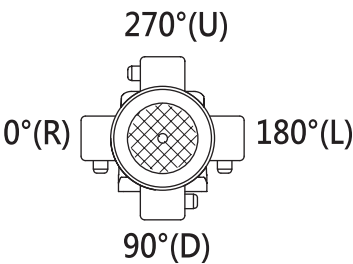


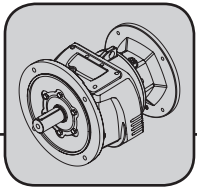
2.7 安裝位置 Mounting Positions

R LH.. 37-97
 MH.. 17
 MH.. 107-167

接線盒位置 Position of Terminal Box

若未特別指示，標準安裝位置為"U"
Standard position "U", unless specific requirements



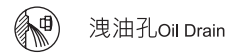
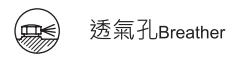
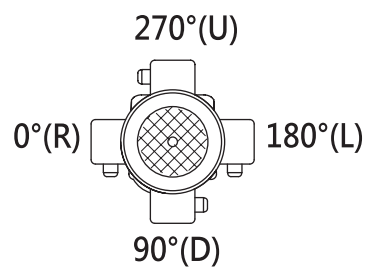


Helical Gear Units Mounting Positions

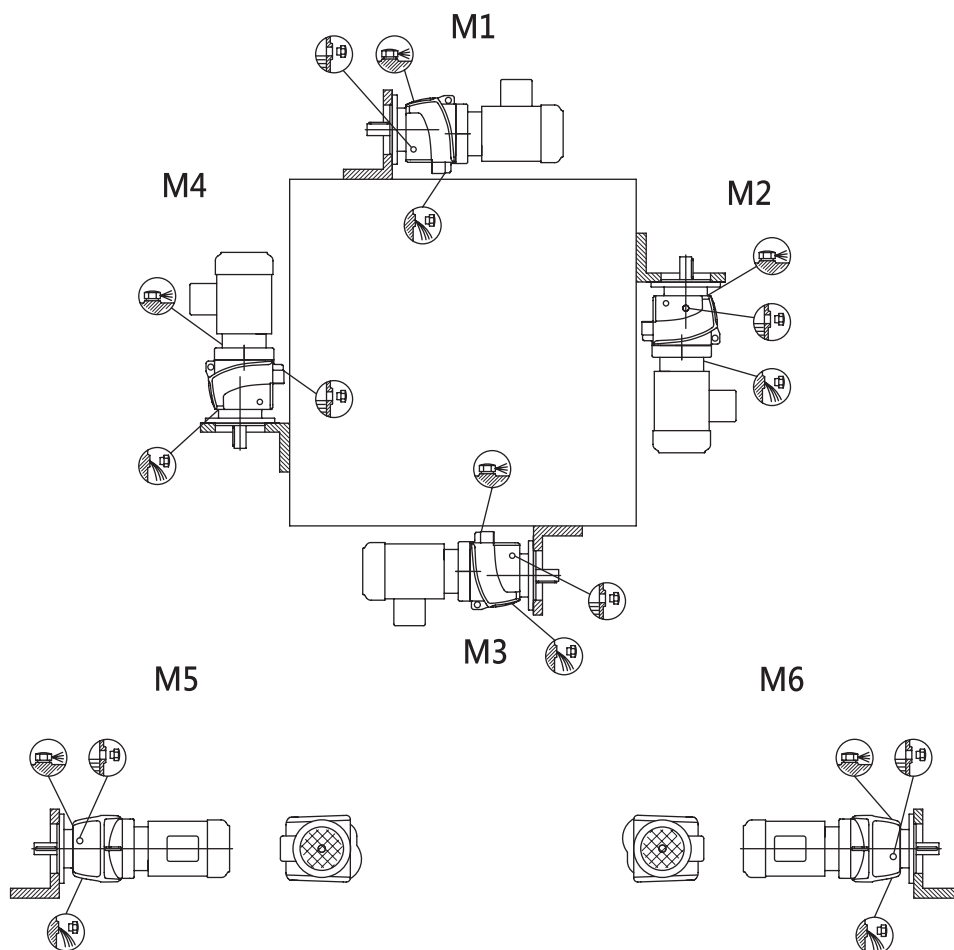
R	LV../LW..	37-97
	MV..	17
	MV../MW..	107-167

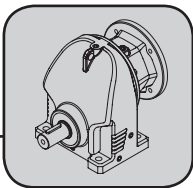
接線盒位置 Position of Terminal Box

若未特別指示，標準安裝位置為"U"
Standard position "U", unless specific requirements



2

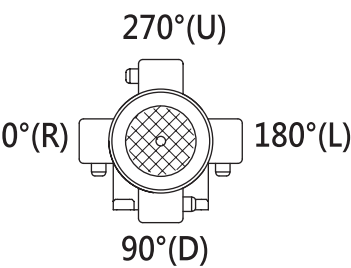




RX XH.. 57-107

接線盒位置 Position of Terminal Box

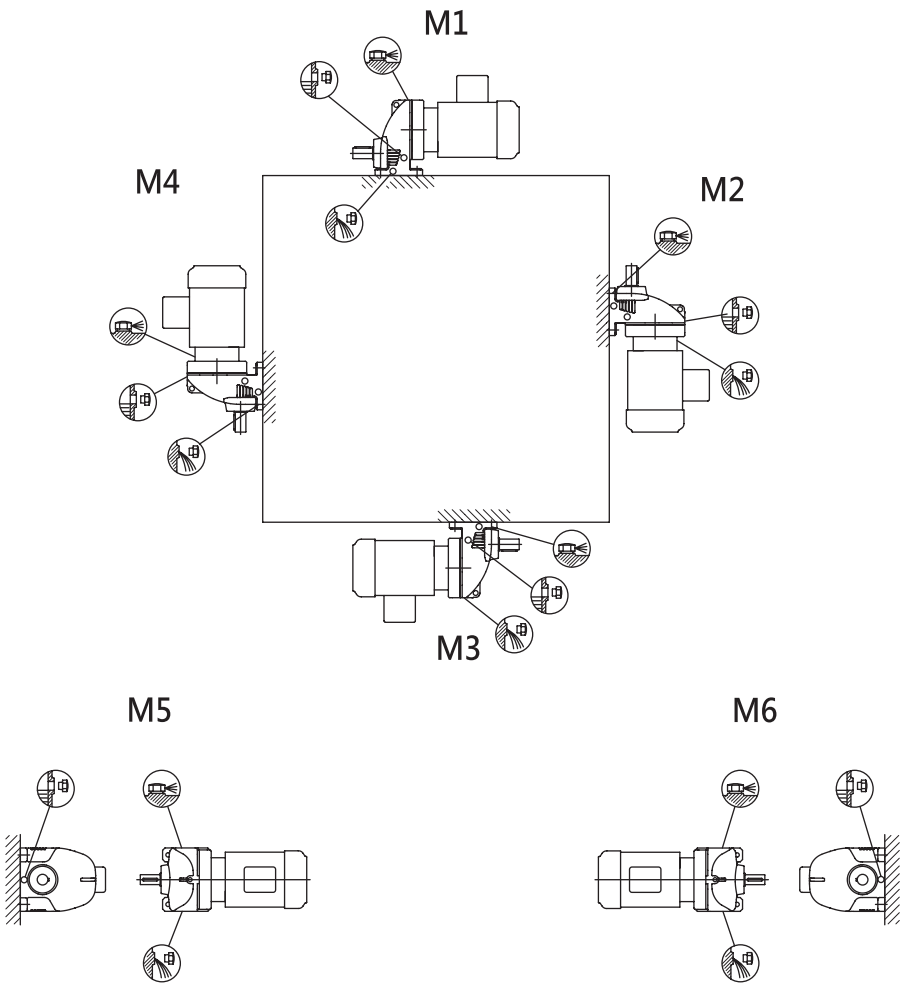
若未特別指示，標準安裝位置為"U"
Standard position "U", unless specific requirements

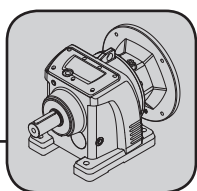


 透氣孔Breather

 洩油孔Oil Drain

 油位孔Oil Level





Helical Gear Units

Lubricant Volume

2.9 油量表 Lubricant Volume

R type: LHF, LHD, MHF, MHD

Gear units	Oil Volume (liters)					
	M1	M2	M3	M4	M5	M6
M..17	0.25	0.55	0.35	0.55	0.35	0.35
L..37	0.30	0.85	0.95	1.05	0.75	0.95
L..47	0.70	1.60	1.50	1.65	1.50	1.50
L..57	0.80	1.90	1.70	2.10	1.70	1.70
L..67	1.10	2.60	2.80	3.20	1.80	2.00
L..77	1.20	3.80	3.60	4.10	2.50	3.40
L..87	2.30	6.70	7.20	7.70	6.30	6.50
L..97	4.60	11.70	11.70	13.40	11.30	11.70
M..107	6.00	16.30	16.90	19.20	13.20	15.90
M..137	10.00	28.00	29.50	31.50	25.00	25.00
M..147	15.40	46.50	48.00	52.00	39.50	41.00
M..167	27.00	82.00	78.00	88.00	66.00	69.00

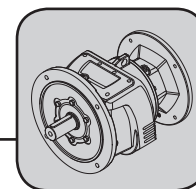
R type: LVF, LVD, LWF, LWD, MVF, MVD, MWF, MWD

Gear units	Oil Volume (liters)					
	M1	M2	M3	M4	M5	M6
M..17	0.25	0.55	0.35	0.55	0.35	0.35
L..37	0.35	0.90	0.20	1.05	0.75	0.95
L..47	0.65	1.60	1.50	1.65	1.50	1.50
L..57	0.80	1.80	1.70	2.00	1.70	1.70
L..67	1.20	2.70	2.70	2.60	1.90	2.10
L..77	1.20	3.80	3.30	4.10	2.40	3.00
L..87	2.40	6.80	7.10	7.70	6.30	6.40
L..97	5.10	11.90	11.20	14.00	11.20	11.80
M..107	6.30	15.90	17.00	19.20	13.10	15.90
M..137	9.50	27.00	29.00	32.50	25.00	25.00
M..147	16.40	47.00	48.00	52.00	42.00	42.00
M..167	26.00	82.00	78.00	88.00	65.00	71.00

RX type: XHD, XHF

Gear units	Oil Volume (liters)					
	M1	M2	M3	M4	M5	M6
X..57	0.60	0.80	1.30	1.30	0.90	0.90
X..67	0.80	0.80	1.70	1.90	1.10	1.10
X..77	1.10	1.50	2.60	2.70	1.60	1.60
X..87	1.70	2.50	4.80	4.80	2.90	2.90
X..97	2.10	3.40	7.40	7.00	4.80	4.80
X..107	3.90	5.60	11.60	11.90	7.70	7.70

* 以上數據僅供參考 Recommendations



3.1 許可配接表 1400Rpm Input Combinations

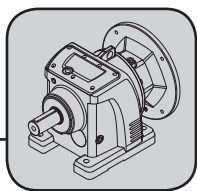
R 系列 R Series

R17 , ne=1400 1/min				85 Nm 實心入力軸徑				
na [1/min]	Mamax [Nm]	FRa [N]	i	56	63	71	80	Input shaft mm
 3								
18	85	1770	79.85					Ø16
20	85	1770	68.73					
24	85	1770	59.23					
28	85	1770	49.90					
31	85	1770	45.45					
35	85	1770	39.61					
40	85	1770	35.17					
48	85	1630	29.36					
57	85	1480	24.76					
71	85	1290	19.69					
 2								
93	71	1270	15.02					Ø16
111	67	1210	12.65					
139	61	1130	10.04					
188	54	1030	7.44					
280	47	920	4.99					
346	43	860	4.05					

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R37 , ne=1400 1/min							200 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	Input shaft mm
 3								
10	200	4950	138.36					Ø16
12	200	4950	119.28					
14	200	4950	100.51					
15	200	4950	91.53					
18	200	4920	79.77					
18	200	4840	76.66					
20	200	4660	69.81					
23	200	4410	60.84					
26	200	4200	54.03					
27	200	4060	52.24					
32	200	3770	44.01					
35	200	3630	40.08					Ø19
40	200	3410	34.93					
45	200	3240	31.02					
54	200	2990	25.89					
 2								
57	197	3010	24.50					Ø19
63	193	2890	22.09					
70	189	2780	19.95					
78	188	2650	17.89					
89	189	2500	15.75					
107	181	2330	13.07					
119	175	2250	11.73					
140	166	2130	10.02					
165	157	2020	8.50					
208	133	1880	6.74					
243	126	1780	5.75					
287	119	1690	4.88					
350	112	1580	4.00					

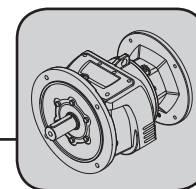
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Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製

1400 Input Rpm

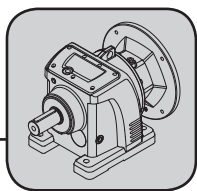
Helical Gear Units

Input Combinations



R47, ne=1400 1/min				300 Nm 實心入力軸徑						
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
8	300	5420	178.83							Ø16
9	300	5420	160.40							
10	300	5420	138.19							
11	300	5420	126.22							
13	300	5420	110.34							
14	300	5420	99.46							
16	300	5420	89.82							
17	300	5420	80.58							
18	300	5420	77.84							
20	300	5420	70.91							
22	300	5420	63.37							Ø19
24	300	5420	58.84							
26	300	5420	52.84							
31	300	5420	45.13							
34	300	5420	41.51							
38	300	5420	37.28							
44	300	4900	31.83							
51	300	4570	27.19							
56	300	4400	25.01							
62	300	4200	22.46							
 2										
57	300	4620	24.70							Ø19
61	300	4480	23.02							
68	300	4260	20.49							
76	300	4070	18.37							
92	300	3740	15.18							
124	285	3330	11.27							
174	255	2980	8.06							Ø24
206	215	2760	6.79							
288	191	2470	4.85							
351	178	2310	3.99							

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R57 , ne=1400 1/min									450 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
8	450	7110	182.99							Ø16
9	450	7110	164.13							
10	450	7110	141.40							
11	450	7110	129.16							
12	450	7110	112.90							
14	450	7110	101.77							
15	450	7110	91.91							
17	450	6920	82.45							
18	450	6830	79.65							
19	450	6560	72.56							
22	450	6250	64.84							Ø19
23	450	6060	60.21							
26	450	5780	54.07							
30	450	5390	46.18							
33	450	5190	42.48							
37	439	4990	38.14							
43	363	4640	32.33							
51	345	4400	27.61							
55	335	4280	25.40							
61	324	4130	22.81							
 2										
55	382	4350	25.27							Ø19
59	373	4250	23.55							
67	359	4090	20.96							
74	346	3940	18.80							
90	325	3700	15.53							
121	294	3350	11.53							
170	263	3000	8.24							Ø24
203	217	2770	6.89							
284	194	2480	4.93							
345	182	2320	4.06							

3



Standard
標準配接



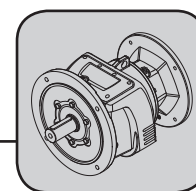
Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接



Not available
無法承製

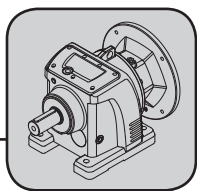
1400 Input Rpm

Helical Gear Units Input Combinations



R67, ne=1400 1/min										600 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
7	600	7560	199.88							Ø19
8	600	7560	169.10							
9	600	7560	151.03							
10	600	7560	140.75							
11	600	7560	125.28							
12	600	7560	112.34							
14	600	7560	98.69							
15	600	7560	92.80							
18	600	7390	78.59							
20	600	6980	68.90							
22	600	6320	63.07							
24	600	6480	58.23							
27	600	6170	52.21							
31	600	5820	45.87							
34	500	5570	41.22							
36	490	5460	38.75							
44	560	5070	32.02							
49	440	4940	28.77							
61	500	4540	22.90							Ø24
 2										
58	510	4620	24.14							Ø19
66	490	4430	21.33							
74	470	4250	18.79							
91	440	3980	15.41							
112	410	3710	12.53							Ø24
141	380	3430	9.90							
231	260	2940	6.06							
267	250	2800	5.23							
338	230	2590	4.14							

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R77 , ne=1400 1/min									750 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S	Input shaft mm
 3										
7	750	8620	194.80							Ø19
8	750	8620	170.05							
9	750	8620	153.87							
10	750	8620	140.70							
11	750	8620	124.34							
13	750	8620	109.54							
16	750	8620	89.80							
17	750	8620	84.62							
19	750	8100	73.05							
24	750	7320	57.73							
26	750	7060	53.24							
30	750	6670	46.90							
36	665	6100	39.31							
38	655	5980	37.04							
44	625	5700	31.97						Ø24	
55	575	5270	25.27							
 2										
60	660	5080	23.31							Ø19
77	605	4670	18.08							
94	570	4370	14.83							Ø24
106	545	4200	13.21							
118	525	4050	11.85							Ø38
128	515	3940	10.91							
152	485	3730	9.21							
242	350	3220	5.78							
293	330	3020	4.78							
347	310	2860	4.03							

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

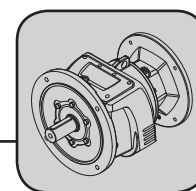


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1400 Input Rpm

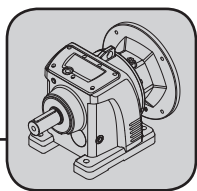
Helical Gear Units

Input Combinations



R87 , ne=1400 1/min									1550 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	80	90L	100L	112M	132S	132M	160M	Input shaft mm	
 3												
7	1550	16900	201.38								Ø19	
8	1550	16900	179.70									
9	1550	16900	161.11									
10	1550	16900	137.42									
11	1550	16900	122.17									
12	1550	16900	112.52									
16	1550	16900	87.27									
20	1485	16900	71.60								Ø28	
22	1430	16900	63.77									
23	1415	16900	61.54									
26	1360	16900	54.81									
28	1310	16500	49.16									
31	1275	16100	45.27								Ø38	
37	1205	15200	38.20									
44	950	14400	31.73									
58	870	13100	24.29									
70	815	12300	20.06									
 2												
61	1015	12800	22.83								Ø38	
71	970	12200	19.83									
80	930	11700	17.51									
92	890	11200	15.29								Ø42	
108	840	10600	12.98									
124	805	10100	11.33									
131	785	9930	10.66									
153	750	9440	9.15									
207	570	8590	6.78									
243	540	8130	5.75									
296	505	7610	4.73									
345	480	7240	4.06									

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R97 , ne=1400 1/min				3000 Nm 實心入力軸徑							
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	Input shaft mm
 3											
7	3000	18100	199.06								Ø28
8	3000	18100	181.06								
8	3000	18100	166.33								
10	3000	18100	144.53								
11	3000	18100	127.61								
13	3000	18100	111.42								
14	3000	18100	97.76								
15	3000	18100	94.59								
16	3000	18100	85.35								Ø38
17	3000	18100	82.59								
18	3000	18100	77.70								
19	3000	18100	72.46								
21	3000	18100	66.71								
22	3000	18100	63.27								
24	3000	18100	59.52								
27	3000	18100	51.10								
31	2850	17500	44.57								Ø42
37	2760	16400	37.84								
48	2525	15000	28.98								
55	2415	14300	25.31								
 2											
42	2785	16700	33.00								Ø42
48	2720	15800	29.10								
66	2570	14000	21.23								
83	2545	12600	16.96								Ø48
103	2375	11700	13.56								
140	2145	10500	10.00								
165	1670	9980	8.49								
206	1545	9260	6.78								
258	1435	8590	5.42								
350	1300	7760	4.00								

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

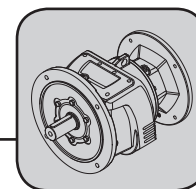


Not available
無法承製

1400 Input Rpm

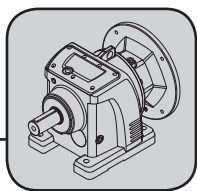
Helical Gear Units

Input Combinations



R107 , ne=1400 1/min											4300 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	132S	132M	160M	160L	180M	180L	200L	225S	225M	Input shaft mm	
 3														
12	4300	29500	115.50										Ø38	
13	4300	29500	106.76											
14	4300	29500	103.02											
16	4300	29500	86.50											
18	4300	28600	79.95											
21	4300	26400	68.27										Ø42	
22	4300	25700	62.90											
26	4300	23600	53.71											
26	4300	23900	53.00										Ø48	
31	4300	21800	44.50											
35	4300	20800	39.52											
41	4130	19500	34.23											
48	3805	18500	29.23											
55	3745	17700	25.52											
64	3450	16800	21.79											
107	2600	14200	13.09											
 2														
57	3795	17400	24.40										Ø48	
64	3650	16700	21.77											
97	3090	14600	14.38											
134	2860	13100	10.44											
311	1820	9980	4.50											
350	1755	9600	4.00											

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R137 , ne=1400 1/min				7000 Nm 實心入力軸徑									
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	Input shaft mm	
 3													
12	7000	37500	117.25									Ø42	
13	7000	37500	107.80										
14	7000	37500	99.66										
15	7000	37500	91.63										
18	7000	37400	79.05										
20	7000	35600	70.35									Ø48	
24	7000	32900	59.14										
26	7000	31500	54.38										
28	7000	29800	50.13										
31	7000	28600	44.49										
32	7000	27700	43.25									Ø48	
40	7000	25000	35.39										
43	7000	24100	32.81										
58	6250	20500	24.24										
68	5930	19500	20.68										
96	5280	17300	14.60									Ø55	
 2													
60	2790	28500	23.45										Ø42
65	2870	27400	21.56										
82	2770	24900	17.15										
94	4330	21000	14.96									Ø55	
102	4250	20200	13.75										
138	4470	17100	10.12										
174	3710	16400	8.05										
288	2270	15000	4.87										
347	2220	13900	4.04										

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

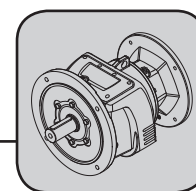


Not available
無法承製

1400 Input Rpm

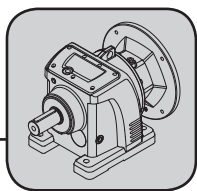
Helical Gear Units

Input Combinations



R147 , ne=1400 1/min												13000 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	Input shaft mm	
 3															
12	13000	62700	117.29											Ø42	
13	13000	62700	109.03												
14	13000	62700	99.44												
16	13000	62700	89.86											Ø48	
17	13000	62700	83.30												
20	13000	62700	70.80												
23	13000	61300	60.38												
28	12990	56800	50.49											Ø55	
31	12500	54600	44.98												
34	12190	53200	41.70												
40	11550	50400	35.44												
46	10950	47800	30.23												
55	10320	45100	25.27											Ø70	
70	9540	41700	19.99												
 2															
90	8785	38400	15.62											Ø70	
105	8335	36400	13.32												
137	7460	33400	10.24												
280	5875	26300	5.00												
337	5525	24700	4.16												

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R167 , ne=1400 1/min			18000 Nm 實心入力軸徑												
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	Input shaft mm
 3															
8	18000	88200	178.17												Ø42
8	18000	88200	169.42												
9	18000	88200	158.37												
10	18000	88200	139.60												
12	18000	88200	121.56												Ø48
13	18000	86000	109.89												
14	18000	83400	101.64												
16	18000	78700	88.17												
17	18000	75800	80.58												Ø55
20	18000	71400	69.80												
23	18000	67300	60.56												
26	18000	61700	53.92												
29	18000	58900	48.52												Ø70
32	18000	56200	43.86												
40	18000	50800	35.19												
50	16900	46800	27.86												
66	15400	42700	21.19												
 2															
59	18000	44500	23.78												Ø55
70	17400	41400	19.89												Ø70
89	16100	38400	15.77												
103	15400	36600	13.66												
135	14000	33400	10.39												
275	9600	26500	5.10												
356	7600	25700	3.93												

3



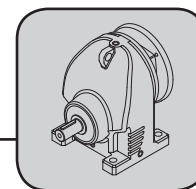
Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接



Not available
無法承製



RX 系列 RX Series

RX57, ne=1400 1/min										65Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
256	37	2240	5.47							Ø19
287	38	2150	4.88							
308	65	720	4.55							
346	65	920	4.05							
386	65	360	3.63							
439	64	220	3.19							
467	62	215	3.00							
628	53	195	2.23							
881	43	175	1.59							Ø24
1069	42	165	1.31							

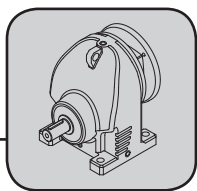
RX67, ne=1400 1/min										96Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
223	43	2790	6.27							Ø19
256	75	2070	5.47							
283	75	1530	4.95							
309	82	1430	4.53							
398	87	570	3.52							
484	96	240	2.89							
515	89	235	2.72							Ø24
596	82	220	2.35							
753	74	205	1.86							
864	66	195	1.62							
1000	61	185	1.4							

RX77 , ne=1400 1/min								169Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	80	90L	100L	112M	132S	Input shaft mm
173	56	5410	8.09						Ø19
187	54	5290	7.50						
209	102	4100	6.69						
233	105	3920	6.00						
273	103	3540	5.12						
295	122	2160	4.74						Ø24
308	133	1780	4.55						
334	143	1170	4.19						
373	153	740	3.75						
431	169	390	3.25						
524	132	360	2.67						Ø38
588	135	350	2.38						
657	130	335	2.13						
714	115	325	1.96						
843	103	310	1.66						

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

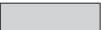
1400 Input Rpm

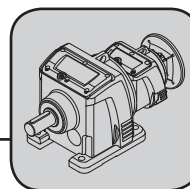
RX87, ne=1400 1/min										305 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	Input shaft mmmm
255	212	3620	5.50							Ø28
289	216	3150	4.85							
316	289	1220	4.43							
371	305	940	3.77							Ø38
395	300	500	3.54							
439	284	470	3.19							
495	267	450	2.83							
556	251	430	2.52							Ø42
619	236	420	2.26							
654	229	405	2.14							
686	235	400	2.04							
838	197	375	1.67							

RX97 , ne=1400 1/min												525 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	180M	180L	200L	Input shaft mm
248	375	7420	5.65										Ø28
282	400	6390	4.96										Ø38
317	525	3720	4.42										
367	525	4070	3.81										Ø42
402	525	2380	3.48										
456	525	2920	3.07										
522	525	810	2.68										Ø48
603	490	750	2.32										
622	465	740	2.25										
660	465	730	2.12										
741	437	700	1.89										
819	454	680	1.71										

RX107, ne=1400 1/min														810 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	180M	180L	200L	225S	Input shaft mm
219	415	8530	6.38											Ø28
255	430	7940	5.50											Ø38
286	685	5030	4.90											Ø42
339	795	2450	4.13											
415	785	1330	3.37											Ø48
449	810	1260	3.12											
609	705	810	2.30											
733	630	780	1.91											
1007	510	670	1.39											

3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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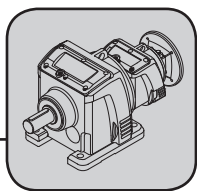
雙連體系列 Double Reduction

R47R37 , ne=1400 1/min				300 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.10	300	5420	13761			
0.11	300	5420	12428			
0.12	300	5420	11863			
0.13	300	5420	10714			
0.15	300	5420	9103			
0.18	300	5420	7933			
0.20	300	5420	6943			
0.23	300	5420	6051			
0.26	300	5420	5373			
0.29	300	5420	4853			
0.32	300	5420	4378			
0.35	300	5420	3987			
0.40	300	5420	3474			
0.45	300	5420	3085			
0.54	300	5420	2575			
 2  3						
0.49	300	5420	2835			
0.55	300	5420	2542			
0.57	300	5420	2444			
0.64	300	5420	2191			
0.83	300	5420	1682			
0.96	300	5420	1465			
1.09	300	5420	1283			
1.25	300	5420	1118			
1.26	300	5420	1107			
1.41	300	5420	993			
1.73	300	5420	809			
1.90	300	5420	736			
2.18	300	5420	642			
2.46	300	5420	570			
2.94	300	5420	476			

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R47R37, ne=1400 1/min							300 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	
 3  2							
0.57	300	5420	2437				
0.64	300	5420	2197				
0.71	300	5420	1984				
0.79	300	5420	1780				
0.89	300	5420	1566				
1.08	300	5420	1300				
1.20	300	5420	1167				
1.40	300	5420	997				
1.66	300	5420	845				
2.09	300	5420	670				
2.45	300	5420	572				
2.89	300	5420	485				
3.52	300	5420	398				
 2  2							
3.11	300	5420	450				
3.45	300	5420	406				
3.82	300	5420	366				
4.26	300	5420	329				
4.84	300	5420	289				
5.83	300	5420	240				
6.49	300	5420	216				
7.60	300	5420	184				
8.97	300	5420	156				
11.31	300	5420	124				
13.24	300	5420	106				

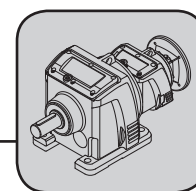
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1400 Input Rpm

Helical Gear Units

Input Combinations

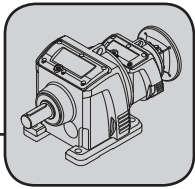


R57R37 , ne=1400 1/min				450 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.10	450	7110	14081			
0.12	450	7110	12139			
0.14	450	7110	10228			
0.15	450	7110	9315			
0.17	450	7110	8413			
0.19	450	7110	7331			
0.22	450	7110	6417			
0.25	450	7110	5498			
0.29	450	7110	4801			
0.31	450	7110	4479			
0.34	450	7110	4079			
0.39	450	7110	3555			
0.44	450	7110	3157			
0.53	450	7110	2635			
0.59	450	7110	2380			
0.68	450	7110	2062			
 2  3						
0.46	450	7110	3015			
0.50	450	7110	2809			
0.55	450	7110	2540			
0.61	450	7110	2313			
0.69	450	7110	2016			
0.79	450	7110	1764			
0.91	450	7110	1538			
1.03	450	7110	1365			
1.26	450	7110	1112			
1.38	450	7110	1013			
1.59	450	7110	883			
1.79	450	7110	784			
2.14	450	7110	654			
2.30	450	7110	610			
2.58	450	7110	543			
2.88	450	7110	487			
3.48	450	7110	402			

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R57R37, ne=1400 1/min							
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	450 Nm 90L
 3  2							
0.77	450	7110	1821				
0.80	450	7110	1759				
0.85	450	7110	1645				
0.97	450	7110	1447				
1.05	450	7110	1330				
1.17	450	7110	1194				
1.37	450	7110	1020				
1.62	450	7110	865				
2.04	450	7110	686				
2.39	450	7110	586				
2.82	450	7110	496				
3.44	450	7110	407				
3.81	450	7110	368				
 2  2							
3.77	450	7110	371				
4.24	450	7110	330				
4.55	450	7110	308				
5.07	450	7110	276				
5.93	450	7110	236				
6.52	450	7110	215				
8.82	450	7110	159				
9.63	450	7110	145				
10.33	450	7110	136				

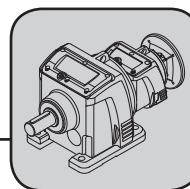
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	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1400 Input Rpm

Helical Gear Units

Input Combinations

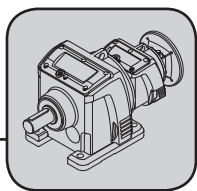


R67R37 , ne=1400 1/min				600 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.09	600	7560	15543			
0.10	600	7560	13400			
0.12	600	7560	11290			
0.14	600	7560	10282			
0.15	600	7560	9033			
0.18	600	7560	7843			
0.20	600	7560	6835			
0.24	600	7560	5868			
0.27	600	7560	5155			
0.31	600	7560	4503			
0.36	600	7560	3924			
0.40	600	7560	3485			
0.48	600	7560	2908			
0.58	600	7560	2403			
 2  3						
0.55	600	7560	2545			
0.65	600	7560	2144			
0.72	600	7560	1953			
0.82	600	7560	1702			
0.86	600	7560	1635			
0.94	600	7560	1489			
1.08	600	7560	1298			
1.21	600	7560	1153			
1.49	600	7560	939			
1.64	600	7560	855			
1.88	600	7560	745			
2.12	600	7560	662			
2.53	600	7560	552			
2.88	600	7560	487			

Standard
 標準配接

Input Flange / Solid Input Shaft - Standard
 法蘭 / 實心入力 - 標準配接

Not available
 無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R67R37, ne=1400 1/min							
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	600 Nm 90L
 3  2							
0.64	600	7560	2180				
0.70	600	7560	2010				
0.76	600	7560	1851				
0.79	600	7560	1769				
0.90	600	7560	1554				
0.95	600	7560	1468				
1.06	600	7560	1318				
1.24	600	7560	1126				
1.47	600	7560	954				
1.67	600	7560	839				
1.85	600	7560	757				
2.17	600	7560	646				
2.55	600	7560	548				
3.12	600	7560	449				
3.77	600	7560	371				
 2  2							
3.29	600	7560	426				
3.67	600	7560	382				
4.17	600	7560	336				
4.73	600	7560	296				
5.02	600	7560	279				
5.59	600	7560	250				
6.35	600	7560	221				
6.55	600	7560	214				
7.72	600	7560	181				
8.77	600	7560	160				

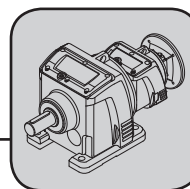
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1400 Input Rpm

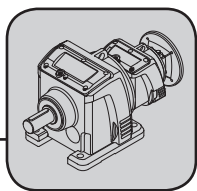
Helical Gear Units

Input Combinations



R77R37 , ne=1400 1/min				750 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.08	750	8620	16783			
0.09	750	8620	14831			
0.11	750	8620	13066			
0.11	750	8620	12497			
0.12	750	8620	11381			
0.14	750	8620	9918			
0.16	750	8620	8680			
0.19	750	8620	7565			
0.21	750	8620	6717			
0.24	750	8620	5918			
0.28	750	8620	4984			
0.32	750	8620	4343			
0.36	750	8620	3857			
0.43	750	8620	3219			
0.49	750	8620	2836			
 2  3						
0.43	750	8620	3225			
0.50	750	8620	2780			
0.60	750	8620	2343			
0.66	750	8620	2134			
0.75	750	8620	1859			
0.78	750	8620	1787			
0.86	750	8620	1627			
0.99	750	8620	1418			
1.11	750	8620	1259			
1.27	750	8620	1100			
1.36	750	8620	1026			
1.50	750	8620	934			
1.72	750	8620	814			
1.94	750	8620	723			
2.32	750	8620	603			
2.50	750	8620	561			

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R77R37, ne=1400 1/min							750 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L
 3  2							
0.58	750	8620	2419				
0.63	750	8620	2225				
0.72	750	8620	1958				
0.76	750	8620	1838				
0.86	750	8620	1625				
0.96	750	8620	1459				
1.12	750	8620	1246				
1.33	750	8620	1056				
1.50	750	8620	931				
1.67	750	8620	838				
1.96	750	8620	715				
2.31	750	8620	607				
2.62	750	8620	534				
2.81	750	8620	497				
3.20	750	8620	438				
3.77	750	8620	371				
4.45	750	8620	315				
 2  2							
2.72	750	8620	515				
3.01	750	8620	465				
3.36	750	8620	417				
3.81	750	8620	367				
4.60	750	8620	305				
5.12	750	8620	273				
5.99	750	8620	234				
7.07	750	8620	198				

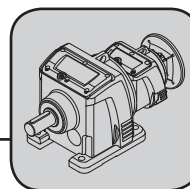
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1400 Input Rpm

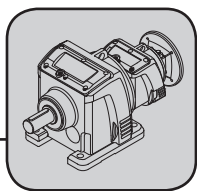
Helical Gear Units

Input Combinations



R87R57 , ne=1400 1/min							1550 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L
 3  3							
0.08	1550	16900	17276				
0.09	1550	16900	15969				
0.10	1550	16900	14323				
0.11	1550	16900	12340				
0.12	1550	16900	11271				
0.17	1550	16900	8021				
0.19	1550	16900	7195				
0.22	1550	16900	6332				
0.25	1550	16900	5659				
0.30	1550	16900	4718				
0.38	1550	16900	3707				
0.42	1550	16900	3329				
0.50	1550	16900	2821				
0.58	1550	16900	2410				
0.63	1550	16900	2216				
 2  3							
0.43	1550	16900	3228				
0.47	1550	16900	2948				
0.54	1550	16900	2577				
0.60	1550	16900	2323				
0.67	1550	16900	2098				
0.74	1550	16900	1882				
0.77	1550	16900	1818				
0.85	1550	16900	1656				
0.95	1550	16900	1480				
1.02	1550	16900	1374				
1.13	1550	16900	1234				
1.33	1550	16900	1054				
1.53	1550	16900	916				
1.66	1550	16900	842				
1.85	1550	16900	756				
2.18	1550	16900	641				
2.56	1550	16900	548				

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units Input Combinations

1400 Input Rpm

R87R57, ne=1400 1/min									1550 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M
 3  2									
0.85	1550	16900	1641						
1.03	1550	16900	1355						
1.26	1550	16900	1112						
1.39	1550	16900	1006						
1.70	1550	16900	826						
1.90	1550	16900	735						
2.22	1550	16900	632						
2.37	1550	16900	590						
2.68	1550	16900	522						
2.84	1550	16900	494						
3.18	1550	16900	440						
3.71	1550	16900	378						
4.49	1550	16900	312						
5.32	1550	16900	263						
6.05	1550	16900	231						
6.99	1550	16900	200						
 2  2									
2.60	1550	16900	538						
2.93	1550	16900	479						
3.39	1550	16900	412						
3.89	1550	16900	360						
4.55	1550	16900	308						
5.32	1550	16900	263						
6.12	1550	16900	229						
6.93	1550	16900	202						

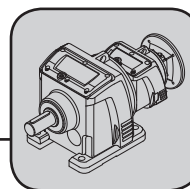
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	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1400 Input Rpm

Helical Gear Units

Input Combinations

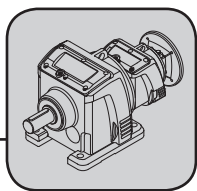


R97R57 , ne=1400 1/min							3000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	
 3  3							
0.07	3000	18100	20389				
0.08	3000	18100	18287				
0.09	3000	18100	15755				
0.10	3000	18100	14391				
0.11	3000	18100	12580				
0.12	3000	18100	11339				
0.14	3000	18100	10241				
0.16	3000	18100	8875				
0.21	3000	18100	6709				
0.23	3000	18100	6024				
0.27	3000	18100	5146				
0.18	3000	18100	7786				
0.31	3000	18100	4514				
0.35	3000	18100	4018				
0.40	3000	18100	3477				
 2  3							
0.30	3000	18100	4666				
0.33	3000	18100	4262				
0.38	3000	18100	3726				
0.47	3000	18100	3002				
0.52	3000	18100	2675				
0.58	3000	18100	2397				
0.65	3000	18100	2161				
0.80	3000	18100	1750				
0.83	3000	18100	1691				
0.91	3000	18100	1541				
1.02	3000	18100	1377				
1.10	3000	18100	1278				
1.27	3000	18100	1099				
1.43	3000	18100	980				
1.53	3000	18100	917				
1.73	3000	18100	810				
1.91	3000	18100	733				

Standard
 標準配接

Input Flange / Solid Input Shaft - Standard
 法蘭 / 實心入力 - 標準配接

Not available
 無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R97R57, ne=1400 1/min										3000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	
 3  2										
0.47	3000	18100	3006							
0.50	3000	18100	2816							
0.60	3000	18100	2336							
0.67	3000	18100	2095							
0.76	3000	18100	1838							
0.81	3000	18100	1730							
0.90	3000	18100	1553							
1.00	3000	18100	1402							
1.09	3000	18100	1285							
1.28	3000	18100	1091							
1.47	3000	18100	952							
1.68	3000	18100	835							
1.82	3000	18100	768							
2.08	3000	18100	674							
2.38	3000	18100	588							
2.80	3000	18100	500							
3.21	3000	18100	436							
3.65	3000	18100	384							
4.18	3000	18100	335							
4.77	3000	18100	293							
5.80	3000	18100	241							
6.76	3000	18100	207							
 2  2										
2.29	3000	18100	610							
2.56	3000	18100	547							
3.10	3000	18100	452							
3.68	3000	18100	380							
4.17	3000	18100	336							
4.93	3000	18100	284							
5.72	3000	18100	245							
6.15	3000	18100	228							

3



Standard
標準配接



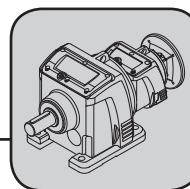
Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接



Not available
無法承製

1400 Input Rpm

Helical Gear Units Input Combinations

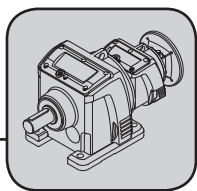


R107R77, ne=1400 1/min								4300 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M
 3  3								
0.07	4300	29500	20068					
0.08	4300	29500	17519					
0.10	4300	29500	14495					
0.11	4300	29500	12810					
0.12	4300	29500	11285					
0.15	4300	29500	9251					
0.16	4300	29500	8718					
0.18	4300	29500	7767					
0.21	4300	29500	6765					
0.24	4300	29500	5947					
0.28	4300	29500	4993					
0.30	4300	29500	4605					
0.35	4300	29500	4049					
0.37	4300	29500	3816					
0.41	4300	29500	3400					
0.47	4300	29500	2961					
0.52	4300	29500	2683					
0.60	4300	29500	2330					
 2  3								
0.38	4300	29500	3701					
0.42	4300	29500	3349					
0.46	4300	29500	3062					
0.52	4300	29500	2706					
0.59	4300	29500	2384					
0.72	4300	29500	1955					
0.76	4300	29500	1842					
0.78	4300	29500	1788					
0.88	4300	29500	1590					
1.11	4300	29500	1256					
1.21	4300	29500	1159					
1.37	4300	29500	1021					
1.64	4300	29500	856					
1.74	4300	29500	806					
2.01	4300	29500	696					
2.55	4300	29500	550					

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

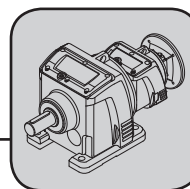
R107R77 , ne=1400 1/min									4300 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  2									
0.75	4300	29500	1862						
0.92	4300	29500	1528						
1.03	4300	29500	1361						
1.15	4300	29500	1221						
1.25	4300	29500	1124						
1.48	4300	29500	949						
1.76	4300	29500	796						
2.35	4300	29500	596						
2.85	4300	29500	492						
3.37	4300	29500	415						
4.02	4300	29500	349						
4.66	4300	29500	300						
5.52	4300	29500	253						
6.55	4300	29500	214						
7.42	4300	29500	189						
 2  2									
3.17	4300	29500	441						
3.56	4300	29500	393						
4.18	4300	29500	335						
4.84	4300	29500	289						
5.90	4300	29500	237						
6.23	4300	29500	225						
6.99	4300	29500	200						
7.37	4300	29500	190						
8.22	4300	29500	170						

3

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製

1400 Input Rpm

Helical Gear Units Input Combinations

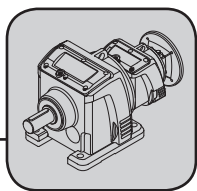


R137R77 , ne=1400 1/min								7000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M
 3  3								
0.06	7000	37500	22840					
0.07	7000	37500	19938					
0.08	7000	37500	18041					
0.08	7000	37500	16497					
0.10	7000	37500	14579					
0.11	7000	37500	12843					
0.13	7000	37500	10529					
0.16	7000	37500	8565					
0.19	7000	37500	7280					
0.21	7000	37500	6769					
0.22	7000	37500	6243					
0.24	7000	37500	5739					
0.28	7000	37500	5056					
0.33	7000	37500	4237					
0.35	7000	37500	3993					
0.41	7000	37500	3447					
0.48	7000	37500	2930					
 2  3								
0.31	7000	37500	4568					
0.35	7000	37500	3988					
0.39	7000	37500	3608					
0.42	7000	37500	3299					
0.48	7000	37500	2916					
0.55	7000	37500	2569					
0.66	7000	37500	2106					
0.77	7000	37500	1824					
0.82	7000	37500	1713					
0.89	7000	37500	1575					
1.03	7000	37500	1354					
1.12	7000	37500	1249					
1.27	7000	37500	1100					
1.52	7000	37500	922					
1.61	7000	37500	869					
1.87	7000	37500	750					
2.03	7000	37500	689					

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

1400 Input Rpm

R137R77 , ne=1400 1/min									7000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  2									
0.51	7000	37500	2733						
0.56	7000	37500	2513						
0.60	7000	37500	2323						
0.66	7000	37500	2120						
0.78	7000	37500	1802						
0.90	7000	37500	1549						
1.01	7000	37500	1389						
1.09	7000	37500	1279						
1.30	7000	37500	1080						
1.53	7000	37500	918						
1.68	7000	37500	834						
1.92	7000	37500	728						
2.06	7000	37500	678						
2.50	7000	37500	560						
2.96	7000	37500	473						
3.22	7000	37500	434						
3.79	7000	37500	369						
4.39	7000	37500	319						
4.94	7000	37500	284						
5.87	7000	37500	238						
6.93	7000	37500	202						
7.81	7000	37500	179						
 2  2									
2.56	7000	37500	547						
2.79	7000	37500	503						
3.30	7000	37500	424						
3.59	7000	37500	390						
4.02	7000	37500	348						
4.52	7000	37500	310						
4.92	7000	37500	285						

3



Standard
標準配接



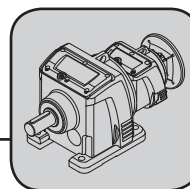
Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接



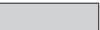
Not available
無法承製

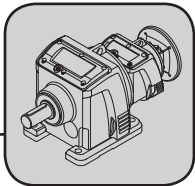
1400 Input Rpm

Helical Gear Units Input Combinations



R147R77, ne=1400 1/min									13000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  3									
0.06	13000	62700	22847						
0.07	13000	62700	21238						
0.08	13000	62700	18540						
0.08	13000	62700	16776						
0.09	13000	62700	15340						
0.10	13000	62700	13556						
0.12	13000	62700	11942						
0.14	13000	62700	9791						
0.17	13000	62700	8415						
0.19	13000	62700	7264						
0.22	13000	62700	6294						
0.26	13000	62700	5294						
0.30	13000	62700	4664						
0.35	13000	62700	4038						
0.40	13000	62700	3486						
0.49	13000	62700	2873						
 3  2									
0.55	13000	62700	2541						
0.60	13000	62700	2318						
0.71	13000	62700	1971						
0.78	13000	62700	1798						
0.87	13000	62700	1617						
0.97	13000	62700	1440						
1.08	13000	62700	1292						
1.18	13000	62700	1190						
1.39	13000	62700	1004						
1.67	13000	62700	839						
1.96	13000	62700	716						
2.22	13000	62700	630						
2.69	13000	62700	520						
3.26	13000	62700	429						
2.69	13000	62700	521						
2.95	13000	62700	475						
3.38	13000	62700	414						

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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Helical Gear Units
Input Combinations

1400 Input Rpm

R147R87 , ne=1400 1/min							13000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	112M	132S	132M	160M
 3  2							
2.72	13000	62700	515				
3.17	13000	62700	442				
3.47	13000	62700	403				
3.84	13000	62700	365				
4.18	13000	62700	335				
4.87	13000	62700	287				
5.72	13000	62700	245				
6.59	13000	62700	213				
7.67	13000	62700	182				
8.28	13000	62700	169				

3

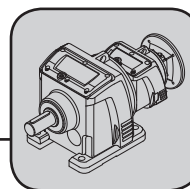
Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製

1400 Input Rpm

Helical Gear Units Input Combinations

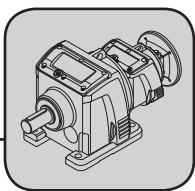


R167R97, ne=1400 1/min										18000 Nm	
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	
 3  3											
0.05	18000	88200	27788								
0.06	18000	88200	22010								
0.07	18000	88200	20220								
0.08	18000	88200	17569								
0.09	18000	88200	15513								
0.10	18000	88200	14023								
0.11	18000	88200	12244								
0.12	18000	88200	11324								
0.13	18000	88200	10394								
0.15	18000	88200	9379								
0.16	18000	88200	8539								
0.18	18000	88200	7897								
0.20	18000	88200	6952								
0.23	18000	88200	6050								
0.25	18000	88200	5578								
0.31	18000	88200	4505								
0.34	18000	88200	4118								
0.39	18000	88200	3591								
0.46	18000	88200	3049								
 3  2											
0.54	18000	88200	2581								
0.59	18000	88200	2367								
0.68	18000	88200	2061								
0.75	18000	88200	1863								
0.85	18000	88200	1648								
0.94	18000	88200	1490								
1.15	18000	88200	1216								
1.36	18000	88200	1032								
1.50	18000	88200	933								
1.70	18000	88200	825								
1.88	18000	88200	745								
2.12	18000	88200	659								
2.54	18000	88200	551								
2.93	18000	88200	478								
3.41	18000	88200	411								
3.70	18000	88200	378								
4.26	18000	88200	328								
4.87	18000	88200	287								

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

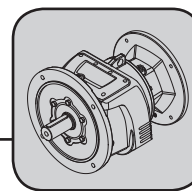
Input Combinations

1400 Input Rpm

R167R107 , ne=1400 1/min													18000 Nm	
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
 2  3														
0.51	18000	88200	2747											
0.55	18000	88200	2539											
0.57	18000	88200	2450											
0.61	18000	88200	2297											
0.68	18000	88200	2057											
0.74	18000	88200	1901											
0.86	18000	88200	1624											
0.94	18000	88200	1496											
1.03	18000	88200	1358											
1.11	18000	88200	1261											
1.32	18000	88200	1058											
1.49	18000	88200	940											
1.72	18000	88200	814											
2.01	18000	88200	695											
2.31	18000	88200	607											
2.70	18000	88200	518											
 3  2														
3.97	18000	88200	353											
4.81	18000	88200	291											
5.14	18000	88200	272											
6.33	18000	88200	221											
7.10	18000	88200	197											
8.85	18000	88200	158											
 2  2														
2.89	18000	88200	485											
3.64	18000	88200	385											
4.20	18000	88200	333											
4.90	18000	88200	286											
5.64	18000	88200	248											
6.74	18000	88200	208											
8.50	18000	88200	165											

3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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3.2 許可配接表 1750Rpm Input Combinations

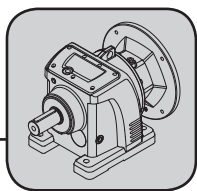
R 系列 R Series

R17 , ne=1750 1/min								85 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	56	63	71	80	Input shaft mm
 3								
22	85	1770	79.85					Ø16
25	85	1770	68.73					
30	85	1770	59.23					
35	85	1770	49.90					
39	85	1770	45.45					
44	85	1700	39.61					
50	85	1590	35.17					
60	85	1430	29.36					
71	85	1290	24.76					
89	85	1120	19.69					
 2								
117	72	1110	15.02					Ø16
138	67	1060	12.65					
174	61	990	10.04					
235	54	910	7.44					
351	46	810	4.99					
432	43	760	4.05					

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R37 , ne=1750 1/min				200 Nm 實心入力軸徑				
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	Input shaft mm
 3								
13	200	4950	138.36					Ø16
15	200	4950	119.28					
17	200	4930	100.51					
19	200	4750	91.53					
22	200	4490	79.77					
23	200	4420	76.66					
25	200	4250	69.81					
29	200	4020	60.84					
32	200	3820	54.03					
34	200	3690	52.24					
40	200	3430	44.01					
44	200	3290	40.08					Ø19
50	200	3090	34.93					
56	200	2930	31.02					
68	200	2690	25.89					
 2								
71	197	2720	24.50					Ø19
79	193	2610	22.09					
88	189	2510	19.95					
98	188	2390	17.89					
111	189	2250	15.75					
134	181	2100	13.07					
149	175	2020	11.73					
175	166	1920	10.02					
206	157	1820	8.50					
260	133	1690	6.74					
304	126	1600	5.75					
359	119	1520	4.88					
438	112	1420	4.00					

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

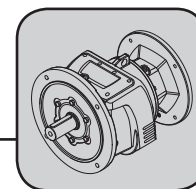


Not available
無法承製

1750 Input Rpm

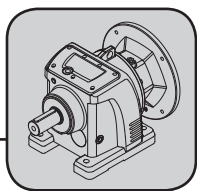
Helical Gear Units

Input Combinations



R47 , ne=1750 1/min									300 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
10	300	5420	178.83							Ø16
11	300	5420	160.40							
13	300	5420	138.19							
14	300	5420	126.22							
16	300	5420	110.34							
18	300	5420	99.46							
19	300	5420	89.82							
22	300	5420	80.58							
22	300	5420	77.84							
25	300	5420	70.91							
28	300	5420	63.37							Ø19
30	300	5420	58.84							
33	300	5420	52.84							
39	300	5410	45.13							
42	300	5220	41.51							
47	300	5000	37.28							
55	300	4440	31.83							
64	300	4140	27.19							
70	300	3980	25.01							
78	300	3790	22.46							
 2										
71	300	4200	24.70							Ø19
76	300	4070	23.02							
85	300	3870	20.49							
95	300	3690	18.37							
115	300	3390	15.18							
155	285	3010	11.27							
217	255	2690	8.06							Ø24
258	215	2490	6.79							
361	191	2230	4.85							
438	178	2090	3.99							

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R57 , ne=1750 1/min									450 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
10	450	7110	182.99							Ø16
11	450	7110	164.13							
12	450	7110	141.40							
14	450	7110	129.16							
16	450	7110	112.90							
17	450	6890	101.77							
19	450	6600	91.91							
21	450	6300	82.45							
22	450	6210	79.65							
24	450	5960	72.56							
27	450	5670	64.84						Ø19	
29	450	5490	60.21							
32	450	5230	54.07							
38	450	4870	46.18							
41	450	4690	42.48							
46	439	4510	38.14							
54	363	4180	32.33							
63	345	3960	27.61							
69	335	3850	25.40							
77	324	3720	22.81							
 2										
69	382	3930	25.27							Ø19
74	373	3840	23.55							
83	359	3690	20.96							
93	346	3560	18.80							
113	325	3340	15.53							
152	294	3020	11.53							
212	263	2700	8.24						Ø24	
254	217	2500	6.89							
355	194	2230	4.93							
431	182	2090	4.06							

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

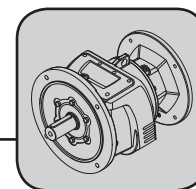


Not available
無法承製

1750 Input Rpm

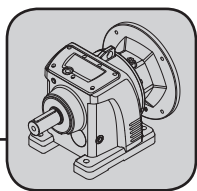
Helical Gear Units

Input Combinations



R67, ne=1750 1/min				600 Nm 實心入力軸徑						
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
 3										
9	600	7560	199.88							Ø19
10	600	7560	169.10							
12	600	7560	151.03							
12	600	7560	140.75							
14	600	7560	125.28							
16	600	7560	112.34							
18	600	7410	98.69							
19	600	7210	92.80							
22	600	6710	78.59							
25	600	6330	68.90							
28	600	5680	63.07							
30	600	5860	58.23							
34	600	5580	52.21							
38	600	5250	45.87							
42	500	5020	41.22							
45	490	4920	38.75							
55	560	4570	32.02							
61	440	4450	28.77							
76	500	4090	22.90							Ø24
 2										
72	510	4160	24.14							Ø19
82	490	3990	21.33							
93	470	3820	18.79							
114	440	3580	15.41							
140	410	3340	12.53							Ø24
177	380	3090	9.90							
289	260	2650	6.06							
334	250	2520	5.23							
423	230	2330	4.14							

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R77 , ne=1750 1/min									750 Nm 實心入力軸徑	
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S	Input shaft mm
 3										
9	750	8620	194.80							Ø19
10	750	8620	170.05							
11	750	8620	153.87							
12	750	8620	140.70							
14	750	8620	124.34							
16	750	8620	109.54							
19	750	8040	89.80							
21	750	7840	84.62							
24	750	7350	73.05							
30	750	6620	57.73							
33	750	6390	53.24							
37	750	6030	46.90							
45	665	5490	39.31							
48	655	5380	36.23							
55	625	5130	31.97							
69	575	4740	25.27							Ø24
 2										
75	660	4570	23.31							Ø19
97	605	4200	18.08							Ø24
118	570	3930	14.83							
132	545	3780	13.21							Ø38
148	525	3640	11.85							
160	515	3550	10.91							
190	485	3350	9.21							
303	350	2900	5.78							
366	330	2720	4.78							
434	310	2570	4.03							

3



Standard
標準配接



Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

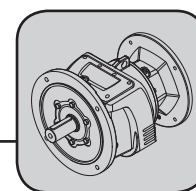


Not available
無法承製

1750 Input Rpm

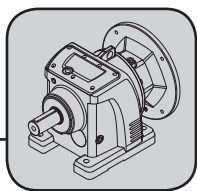
Helical Gear Units

Input Combinations



R87, ne=1750 1/min				1550 Nm 實心入力軸徑							
na [1/min]	Mamax [Nm]	FRa [N]	i	80	90L	100L	112M	132S	132M	160M	Input shaft mm
 3											
9	1550	16900	201.38								Ø19
10	1550	16900	179.70								
11	1550	16900	161.11								
13	1550	16900	137.42								
14	1550	16900	122.17								
16	1550	16900	112.52								
20	1550	16900	87.27								
24	1485	16900	71.60								
27	1430	16500	63.77								Ø28
28	1415	16300	61.54								
32	1360	15600	54.81								
36	1310	15100	49.16								
39	1275	14700	45.27								Ø38
46	1205	13900	38.20								
55	950	13100	31.73								
72	870	12000	24.29								
87	815	11300	20.06								
 2											
77	1015	11700	22.83								Ø38
88	970	11100	19.83								
100	930	10700	17.51								
114	890	10200	15.29								Ø42
135	840	9680	12.98								
154	805	9250	11.33								
164	785	9060	10.66								
191	750	8620	9.15								
258	570	7850	6.78								
304	540	7430	5.75								
370	505	6960	4.73								
431	480	6610	4.06								

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R97 , ne=1750 1/min				3000 Nm 實心入力軸徑							
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	Input shaft mm
 3											
9	3000	18100	199.06								Ø28
10	3000	18100	181.06								
11	3000	18100	166.33								
12	3000	18100	144.53								
14	3000	18100	127.61								
16	3000	18100	111.42								
18	3000	18100	97.76								
19	3000	18100	94.59								
21	3000	18100	85.35								Ø38
21	3000	18100	82.59								
23	3000	18100	77.70								
24	3000	18100	72.46								
26	3000	18100	66.71								
28	3000	18100	63.27								
29	3000	18100	59.52								
34	3000	17900	51.10								
39	2850	15600	44.57								
46	2760	14600	37.84								
60	2525	13400	28.98								
69	2415	12800	25.31								
 2											
53	2785	15000	33.00								Ø42
60	2720	14300	29.10								
82	2570	12500	21.23								
103	2545	11300	16.96								Ø48
129	2375	10400	13.56								
175	2145	9410	10.00								
206	1670	8920	8.49								
258	1545	8270	6.78								
323	1435	7680	5.42								
438	1300	6940	4.00								

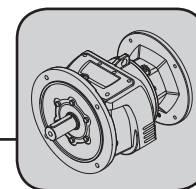
3

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製

1750 Input Rpm

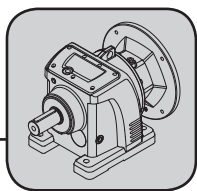
Helical Gear Units

Input Combinations



R107 , ne=1750 1/min											4300 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	132S	132M	160M	160L	180M	180L	200L	225S	225M	Input shaft mm	
 3														
15	4300	29500	115.50										Ø38	
16	4300	29500	106.76											
17	4300	29300	103.02											
20	4300	26800	86.50											
22	4300	25900	79.95											
26	4300	23700	68.27										Ø42	
28	4300	23100	62.90											
33	4300	21100	53.71											
33	4300	21500	53.00										Ø48	
39	4300	19500	44.50											
44	4300	18600	39.52											
51	4130	17400	34.23											
60	3805	16500	29.23											
69	3745	15800	25.52											
80	3450	15000	21.79										Ø48	
134	2600	12700	13.09											
 2														
72	3795	15500	24.40										Ø48	
80	3650	14900	21.77											
122	3090	13000	14.38											
168	2860	11700	10.44											
389	1820	8910	4.50											
438	1755	8580	4.00											

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R137 , ne=1750 1/min				7000 Nm 實心入力軸徑								
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	Input shaft mm
 3												
15	7000	37500	117.25									Ø42
16	7000	37500	107.80									
18	7000	37500	99.66									
19	7000	36100	91.63									
22	7000	33800	79.05									
25	7000	32100	70.35									
30	7000	29600	59.14									Ø48
32	7000	28300	54.38									
35	7000	26700	50.13									
39	7000	25600	44.49									
40	7000	24800	43.25									
49	7000	22300	35.39									
53	7000	21400	32.81									Ø55
72	6250	18100	24.24									
85	5930	17100	20.68									
120	5280	15300	14.60									
 2												
75	2790	26100	23.45									Ø42
81	2870	25000	21.56									
102	2770	22800	17.15									
117	4330	18900	14.96									Ø55
127	4250	18200	13.75									
173	4470	15300	10.12									
217	3710	14700	8.05									
360	2270	13600	4.87									
433	2220	12600	4.04									

3



Standard
標準配接



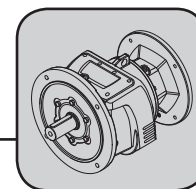
Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接



Not available
無法承製

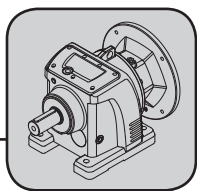
1750 Input Rpm

Helical Gear Units Input Combinations



R147 , ne=1750 1/min												13000 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	Input shaft mm	
 3															
15	13000	62700	117.29											Ø42	
16	13000	62700	109.03												
18	13000	62700	99.44												
19	13000	62700	89.86											Ø48	
21	13000	62700	83.30												
25	13000	59700	70.80												
29	13000	55700	60.38												
35	12990	51400	50.49											Ø55	
39	12500	49500	44.98												
42	12190	48200	41.70												
49	11550	45700	35.44												
58	10950	43300	30.23												
69	10320	40800	25.27											Ø70	
88	9540	37700	19.99												
 2															
112	8785	34800	15.62											Ø70	
131	8335	33000	13.32												
171	7460	30200	10.24												
350	5875	23800	5.00												
421	5525	22400	4.16												

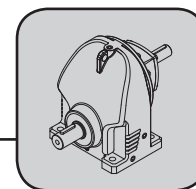
	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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Helical Gear Units
Input Combinations

1750 Input Rpm

R167 , ne=1750 1/min													18000 Nm 實心入力軸徑			
na [1/min]	Mamax [Nm]	FRa [N]	i	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	Input shaft mm	
 3																
10	18000	88200	178.17												Ø42	
10	18000	88200	169.42													
11	18000	88200	158.37													
13	18000	86600	139.60													
14	18000	81900	121.56												Ø48	
16	18000	78600	109.89													
17	18000	76100	101.64													
20	18000	71700	88.17													
22	18000	69100	80.58												Ø55	
25	18000	65000	69.80													
29	18000	61200	60.56													
32	18000	55800	53.92													
36	18000	53200	48.52												Ø70	
40	18000	50800	43.86													
50	18000	45700	35.19													
63	16900	42000	27.86													
83	15400	38400	21.19													
 2																
74	18000	40000	23.78												Ø55	
88	17400	37200	19.89												Ø70	
111	16100	34500	15.77													
128	15400	32800	13.66													
168	14000	30000	10.39													
343	9600	23800	5.10													
445	7600	23200	3.93													



RX 系列 RX Series

RX57, ne=1750 1/min										65Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
320	37	2160	5.47							Ø19
359	38	2040	4.88							
385	65	620	4.55							
432	65	820	4.05							
482	65	265	3.63							
549	64	115	3.19							
583	62	115	3.00							
785	53	105	2.23							
1101	43	80	1.59							Ø24
1336	42	90	1.31							

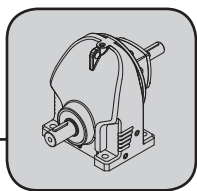
RX67, ne=1750 1/min										96Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M	Input shaft mm
279	43	2700	6.27							Ø19
320	75	1950	5.47							
354	75	1410	4.95							
386	82	1320	4.53							
497	87	460	3.52							
606	96	140	2.89							
643	89	135	2.72							Ø24
745	82	130	2.35							
941	74	120	1.86							
1080	66	115	1.62							
1250	61	110	1.4							

RX77, ne=1750 1/min									169Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	80	90L	100L	112M	132S	Input shaft mm
216	56	5240	8.09						Ø19
233	54	5130	7.50						
262	102	3900	6.69						
292	105	3720	6.00						
342	103	3360	5.12						
369	122	1980	4.74						Ø24
385	133	1600	4.55						
418	143	1000	4.19						
467	153	570	3.75						
538	169	230	3.25						
655	132	210	2.67						Ø38
735	135	205	2.38						
822	130	195	2.13						
893	115	190	1.96						
1054	103	185	1.66						

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

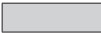
1750 Input Rpm

RX87, ne=1750 1/min										305Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	Input shaft mm
318	212	3390	5.50							Ø28
361	216	2930	4.85							
395	289	1010	4.43							
464	305	730	3.77							Ø38
494	300	300	3.54							
549	284	280	3.19							
618	267	270	2.83							
694	251	250	2.52							Ø42
774	236	250	2.26							
818	229	240	2.14							
858	235	235	2.04							
1048	197	220	1.67							

RX97, ne=1750 1/min													525 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	180M	180L	200L	Input shaft mm
310	375	7170	5.65										Ø28
353	400	6130	4.96										Ø38
396	525	3340	4.42										
459	525	3710	3.81										Ø42
503	525	2020	3.48										
570	525	2580	3.07										
653	525	490	2.68										
754	490	440	2.32										Ø48
778	465	440	2.25										
825	465	430	2.12										
926	437	410	1.89										
1023	454	400	1.71										

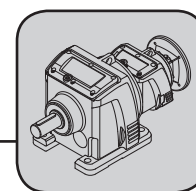
RX107, ne=1750 1/min														810 Nm 實心入力軸徑
na [1/min]	Mamax [Nm]	FRa [N]	i	100	112	132S	132M	160M	160L	180M	180L	200L	225S	Input shaft mm
274	415	8220	6.38											Ø28
318	430	7650	5.50											Ø38
357	685	4600	4.90											Ø42
424	795	2050	4.13											
519	785	950	3.37											Ø48
561	810	890	3.12											
761	705	480	2.30											
916	630	470	1.91											
1259	510	390	1.39											

3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1750 Input Rpm

Helical Gear Units
Input Combinations



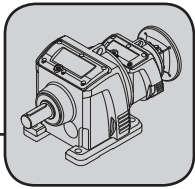
雙連體系列 Double Reduction

R47R37 , ne=1750 1/min				300 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.13	300	5420	13761			
0.14	300	5420	12428			
0.15	300	5420	11863			
0.16	300	5420	10714			
0.19	300	5420	9103			
0.22	300	5420	7933			
0.25	300	5420	6943			
0.29	300	5420	6051			
0.33	300	5420	5373			
0.36	300	5420	4853			
0.40	300	5420	4378			
0.44	300	5420	3987			
0.50	300	5420	3474			
0.57	300	5420	3085			
0.68	300	5420	2575			
 2  3						
0.62	300	5420	2835			
0.69	300	5420	2542			
0.72	300	5420	2444			
0.80	300	5420	2191			
1.04	300	5420	1682			
1.19	300	5420	1465			
1.36	300	5420	1283			
1.57	300	5420	1118			
1.58	300	5420	1107			
1.76	300	5420	993			
2.16	300	5420	809			
2.38	300	5420	736			
2.73	300	5420	642			
3.07	300	5420	570			
3.68	300	5420	476			

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R47R37, ne=1750 1/min							
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	300 Nm 90L
 3  2							
0.72	300	5420	2437				
0.80	300	5420	2197				
0.88	300	5420	1984				
0.98	300	5420	1780				
1.12	300	5420	1566				
1.35	300	5420	1300				
1.50	300	5420	1167				
1.76	300	5420	997				
2.07	300	5420	845				
2.61	300	5420	670				
3.06	300	5420	572				
3.61	300	5420	485				
4.40	300	5420	398				
 2  2							
3.89	300	5420	450				
4.31	300	5420	406				
4.78	300	5420	366				
5.32	300	5420	329				
6.05	300	5420	289				
7.29	300	5420	240				
8.12	300	5420	216				
9.50	300	5420	184				
11.21	300	5420	156				
14.14	300	5420	124				
16.55	300	5420	106				

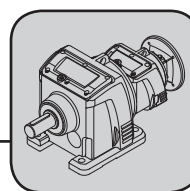
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1750 Input Rpm

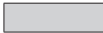
Helical Gear Units

Input Combinations

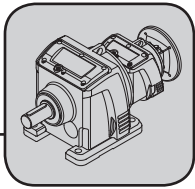


R57R37 , ne=1750 1/min				450 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.12	450	7110	14081			
0.14	450	7110	12139			
0.17	450	7110	10228			
0.19	450	7110	9315			
0.21	450	7110	8413			
0.24	450	7110	7331			
0.27	450	7110	6417			
0.32	450	7110	5498			
0.36	450	7110	4801			
0.39	450	7110	4479			
0.43	450	7110	4079			
0.49	450	7110	3555			
0.55	450	7110	3157			
0.66	450	7110	2635			
0.74	450	7110	2380			
0.85	450	7110	2062			
 2  3						
0.58	450	7110	3015			
0.62	450	7110	2809			
0.69	450	7110	2540			
0.76	450	7110	2313			
0.87	450	7110	2016			
0.99	450	7110	1764			
1.14	450	7110	1538			
1.28	450	7110	1365			
1.57	450	7110	1112			
1.73	450	7110	1013			
1.98	450	7110	883			
2.23	450	7110	784			
2.67	450	7110	654			
2.87	450	7110	610			
3.22	450	7110	543			
3.60	450	7110	487			
4.35	450	7110	402			

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R57R37, ne=1750 1/min							450 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L
 3  2							
0.96	450	7110	1821				
0.99	450	7110	1759				
1.06	450	7110	1645				
1.21	450	7110	1447				
1.32	450	7110	1330				
1.47	450	7110	1194				
1.72	450	7110	1020				
2.02	450	7110	865				
2.55	450	7110	686				
2.99	450	7110	586				
3.52	450	7110	496				
4.30	450	7110	407				
4.76	450	7110	368				
 2  2							
4.72	450	7110	371				
5.30	450	7110	330				
5.69	450	7110	308				
6.33	450	7110	276				
7.41	450	7110	236				
8.15	450	7110	215				
11.03	450	7110	159				
12.03	450	7110	145				
12.91	450	7110	136				

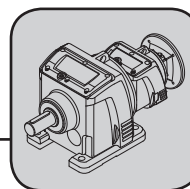
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1750 Input Rpm

Helical Gear Units

Input Combinations

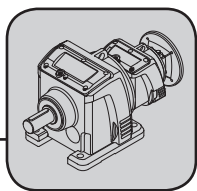


R67R37 , ne=1750 1/min				600 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.11	600	7560	15543			
0.13	600	7560	13400			
0.15	600	7560	11290			
0.17	600	7560	10282			
0.19	600	7560	9033			
0.22	600	7560	7843			
0.26	600	7560	6835			
0.30	600	7560	5868			
0.34	600	7560	5155			
0.39	600	7560	4503			
0.45	600	7560	3924			
0.50	600	7560	3485			
0.60	600	7560	2908			
0.73	600	7560	2403			
 2  3						
0.69	600	7560	2545			
0.82	600	7560	2144			
0.90	600	7560	1953			
1.03	600	7560	1702			
1.07	600	7560	1635			
1.18	600	7560	1489			
1.35	600	7560	1298			
1.52	600	7560	1153			
1.86	600	7560	939			
2.05	600	7560	855			
2.35	600	7560	745			
2.64	600	7560	662			
3.17	600	7560	552			
3.60	600	7560	487			

Standard
 標準配接

Input Flange / Solid Input Shaft - Standard
 法蘭 / 實心入力 - 標準配接

Not available
 無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R67R37, ne=1750 1/min							
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	600 Nm 90L
 3  2							
0.80	600	7560	2180				
0.87	600	7560	2010				
0.95	600	7560	1851				
0.99	600	7560	1769				
1.13	600	7560	1554				
1.19	600	7560	1468				
1.33	600	7560	1318				
1.55	600	7560	1126				
1.83	600	7560	954				
2.09	600	7560	839				
2.31	600	7560	757				
2.71	600	7560	646				
3.19	600	7560	548				
3.89	600	7560	449				
4.71	600	7560	371				
 2  2							
4.11	600	7560	426				
4.58	600	7560	382				
5.21	600	7560	336				
5.91	600	7560	296				
6.28	600	7560	279				
6.99	600	7560	250				
7.94	600	7560	221				
8.18	600	7560	214				
9.65	600	7560	181				
10.96	600	7560	160				

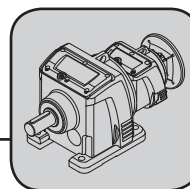
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1750 Input Rpm

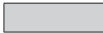
Helical Gear Units

Input Combinations

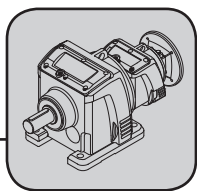


R77R37, ne=1750 1/min				750 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.10	750	8620	16783			
0.12	750	8620	14831			
0.13	750	8620	13066			
0.14	750	8620	12497			
0.15	750	8620	11381			
0.18	750	8620	9918			
0.20	750	8620	8680			
0.23	750	8620	7565			
0.26	750	8620	6717			
0.30	750	8620	5918			
0.35	750	8620	4984			
0.40	750	8620	4343			
0.45	750	8620	3857			
0.54	750	8620	3219			
0.62	750	8620	2836			
 2  3						
0.54	750	8620	3225			
0.63	750	8620	2780			
0.75	750	8620	2343			
0.82	750	8620	2134			
0.94	750	8620	1859			
0.98	750	8620	1787			
1.08	750	8620	1627			
1.23	750	8620	1418			
1.39	750	8620	1259			
1.59	750	8620	1100			
1.71	750	8620	1026			
1.87	750	8620	934			
2.15	750	8620	814			
2.42	750	8620	723			
2.90	750	8620	603			
3.12	750	8620	561			

 Standard
標準配接

 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

 Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R77R37 , ne=1750 1/min							750 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L
 3  2							
0.72	750	8620	2419				
0.79	750	8620	2225				
0.89	750	8620	1958				
0.95	750	8620	1838				
1.08	750	8620	1625				
1.20	750	8620	1459				
1.40	750	8620	1246				
1.66	750	8620	1056				
1.88	750	8620	931				
2.09	750	8620	838				
2.45	750	8620	715				
2.89	750	8620	607				
3.27	750	8620	534				
3.52	750	8620	497				
3.99	750	8620	438				
4.71	750	8620	371				
5.56	750	8620	315				
 2  2							
3.40	750	8620	515				
3.76	750	8620	465				
4.20	750	8620	417				
4.77	750	8620	367				
5.75	750	8620	305				
6.40	750	8620	273				
7.49	750	8620	234				
8.84	750	8620	198				

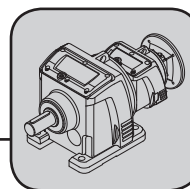
3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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1750 Input Rpm

Helical Gear Units

Input Combinations

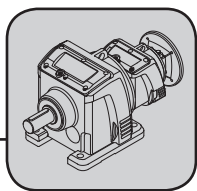


R87R57 , ne=1750 1/min							1550 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L
 3  3							
0.10	1550	16900	17276				
0.11	1550	16900	15969				
0.12	1550	16900	14323				
0.14	1550	16900	12340				
0.16	1550	16900	11271				
0.22	1550	16900	8021				
0.24	1550	16900	7195				
0.28	1550	16900	6332				
0.31	1550	16900	5659				
0.37	1550	16900	4718				
0.47	1550	16900	3707				
0.53	1550	16900	3329				
0.62	1550	16900	2821				
0.73	1550	16900	2410				
0.79	1550	16900	2216				
 2  3							
0.54	1550	16900	3228				
0.59	1550	16900	2948				
0.68	1550	16900	2577				
0.75	1550	16900	2323				
0.83	1550	16900	2098				
0.93	1550	16900	1882				
0.96	1550	16900	1818				
1.06	1550	16900	1656				
1.18	1550	16900	1480				
1.27	1550	16900	1374				
1.42	1550	16900	1234				
1.66	1550	16900	1054				
1.91	1550	16900	916				
2.08	1550	16900	842				
2.31	1550	16900	756				
2.73	1550	16900	641				
3.20	1550	16900	548				

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

Input Combinations

1750 Input Rpm

R87R57, ne=1750 1/min									1550 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M
3 2									
1.07	1550	16900	1641						
1.29	1550	16900	1355						
1.57	1550	16900	1112						
1.74	1550	16900	1006						
2.12	1550	16900	826						
2.38	1550	16900	735						
2.77	1550	16900	632						
2.96	1550	16900	590						
3.35	1550	16900	522						
3.55	1550	16900	494						
3.98	1550	16900	440						
4.63	1550	16900	378						
5.61	1550	16900	312						
6.65	1550	16900	263						
7.57	1550	16900	231						
8.74	1550	16900	200						
2 2									
3.26	1550	16900	538						
3.66	1550	16900	479						
4.24	1550	16900	412						
4.86	1550	16900	360						
5.68	1550	16900	308						
6.65	1550	16900	263						
7.65	1550	16900	229						
8.67	1550	16900	202						

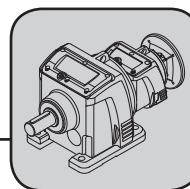
3

Standard 標準配接	Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接	Not available 無法承製
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1750 Input Rpm

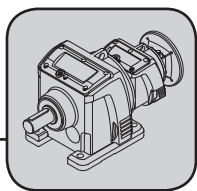
Helical Gear Units

Input Combinations



R97R57 , ne=1750 1/min				3000 Nm		
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80
 3  3						
0.09	3000	18100	20389			
0.10	3000	18100	18287			
0.11	3000	18100	15755			
0.12	3000	18100	14391			
0.14	3000	18100	12580			
0.15	3000	18100	11339			
0.17	3000	18100	10241			
0.20	3000	18100	8875			
0.26	3000	18100	6709			
0.29	3000	18100	6024			
0.34	3000	18100	5146			
0.22	3000	18100	7786			
0.39	3000	18100	4514			
0.44	3000	18100	4018			
0.50	3000	18100	3477			
 2  3						
0.38	3000	18100	4666			
0.41	3000	18100	4262			
0.47	3000	18100	3726			
0.58	3000	18100	3002			
0.65	3000	18100	2675			
0.73	3000	18100	2397			
0.81	3000	18100	2161			
1.00	3000	18100	1750			
1.03	3000	18100	1691			
1.14	3000	18100	1541			
1.27	3000	18100	1377			
1.37	3000	18100	1278			
1.59	3000	18100	1099			
1.78	3000	18100	980			
1.91	3000	18100	917			
2.16	3000	18100	810			
2.39	3000	18100	733			

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units Input Combinations

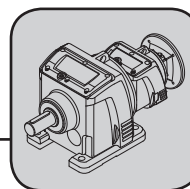
1750 Input Rpm

R97R57 , ne=1750 1/min									3000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	63	71	80	90L	100L	112M
 3  2									
0.58	3000	18100	3006						
0.62	3000	18100	2816						
0.75	3000	18100	2336						
0.84	3000	18100	2095						
0.95	3000	18100	1838						
1.01	3000	18100	1730						
1.13	3000	18100	1553						
1.25	3000	18100	1402						
1.36	3000	18100	1285						
1.60	3000	18100	1091						
1.84	3000	18100	952						
2.09	3000	18100	835						
2.28	3000	18100	768						
2.60	3000	18100	674						
2.97	3000	18100	588						
3.50	3000	18100	500						
4.01	3000	18100	436						
4.56	3000	18100	384						
5.22	3000	18100	335						
5.96	3000	18100	293						
7.25	3000	18100	241						
8.44	3000	18100	207						
 2  2									
2.87	3000	18100	610						
3.20	3000	18100	547						
3.87	3000	18100	452						
4.60	3000	18100	380						
5.22	3000	18100	336						
6.16	3000	18100	284						
7.15	3000	18100	245						
7.69	3000	18100	228						

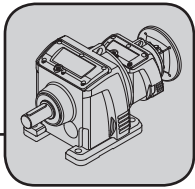
1750 Input Rpm

Helical Gear Units

Input Combinations



R107R77 , ne=1750 1/min								4300 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M
 3  3								
0.09	4300	29500	20068					
0.10	4300	29500	17519					
0.12	4300	29500	14495					
0.14	4300	29500	12810					
0.16	4300	29500	11285					
0.19	4300	29500	9251					
0.20	4300	29500	8718					
0.23	4300	29500	7767					
0.26	4300	29500	6765					
0.29	4300	29500	5947					
0.35	4300	29500	4993					
0.38	4300	29500	4605					
0.43	4300	29500	4049					
0.46	4300	29500	3816					
0.51	4300	29500	3400					
0.59	4300	29500	2961					
0.65	4300	29500	2683					
0.75	4300	29500	2330					
 2  3								
0.47	4300	29500	3701					
0.52	4300	29500	3349					
0.57	4300	29500	3062					
0.65	4300	29500	2706					
0.73	4300	29500	2384					
0.90	4300	29500	1955					
0.95	4300	29500	1842					
0.98	4300	29500	1788					
1.10	4300	29500	1590					
1.39	4300	29500	1256					
1.51	4300	29500	1159					
1.71	4300	29500	1021					
2.05	4300	29500	856					
2.17	4300	29500	806					
2.51	4300	29500	696					
3.18	4300	29500	550					



Helical Gear Units

Input Combinations

1750 Input Rpm

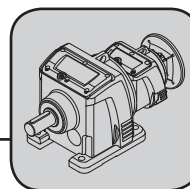
R107R77 , ne=1750 1/min									4300 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  2									
0.94	4300	29500	1862						
1.15	4300	29500	1528						
1.29	4300	29500	1361						
1.43	4300	29500	1221						
1.56	4300	29500	1124						
1.84	4300	29500	949						
2.20	4300	29500	796						
2.94	4300	29500	596						
3.56	4300	29500	492						
4.22	4300	29500	415						
5.02	4300	29500	349						
5.83	4300	29500	300						
6.90	4300	29500	253						
8.19	4300	29500	214						
9.27	4300	29500	189						
 2  2									
3.97	4300	29500	441						
4.45	4300	29500	393						
5.22	4300	29500	335						
6.05	4300	29500	289						
7.37	4300	29500	237						
7.79	4300	29500	225						
8.73	4300	29500	200						
9.21	4300	29500	190						
10.27	4300	29500	170						

3

	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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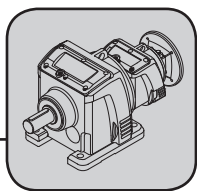
1750 Input Rpm

Helical Gear Units Input Combinations



R137R77, ne=1750 1/min								7000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M
 3  3								
0.08	7000	37500	22840					
0.09	7000	37500	19938					
0.10	7000	37500	18041					
0.11	7000	37500	16497					
0.12	7000	37500	14579					
0.14	7000	37500	12843					
0.17	7000	37500	10529					
0.20	7000	37500	8565					
0.24	7000	37500	7280					
0.26	7000	37500	6769					
0.28	7000	37500	6243					
0.30	7000	37500	5739					
0.35	7000	37500	5056					
0.41	7000	37500	4237					
0.44	7000	37500	3993					
0.51	7000	37500	3447					
0.60	7000	37500	2930					
 2  3								
0.38	7000	37500	4568					
0.44	7000	37500	3988					
0.49	7000	37500	3608					
0.53	7000	37500	3299					
0.60	7000	37500	2916					
0.68	7000	37500	2569					
0.83	7000	37500	2106					
0.96	7000	37500	1824					
1.02	7000	37500	1713					
1.11	7000	37500	1575					
1.29	7000	37500	1354					
1.40	7000	37500	1249					
1.59	7000	37500	1100					
1.90	7000	37500	922					
2.01	7000	37500	869					
2.33	7000	37500	750					
2.54	7000	37500	689					

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units

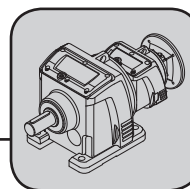
Input Combinations

1750 Input Rpm

R137R77 , ne=1750 1/min									7000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  2									
0.64	7000	37500	2733						
0.70	7000	37500	2513						
0.75	7000	37500	2323						
0.83	7000	37500	2120						
0.97	7000	37500	1802						
1.13	7000	37500	1549						
1.26	7000	37500	1389						
1.37	7000	37500	1279						
1.62	7000	37500	1080						
1.91	7000	37500	918						
2.10	7000	37500	834						
2.40	7000	37500	728						
2.58	7000	37500	678						
3.13	7000	37500	560						
3.70	7000	37500	473						
4.03	7000	37500	434						
4.74	7000	37500	369						
5.49	7000	37500	319						
6.17	7000	37500	284						
7.34	7000	37500	238						
8.66	7000	37500	202						
9.76	7000	37500	179						
 2  2									
3.20	7000	37500	547						
3.48	7000	37500	503						
4.13	7000	37500	424						
4.49	7000	37500	390						
5.03	7000	37500	348						
5.65	7000	37500	310						
6.14	7000	37500	285						

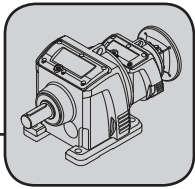
1750 Input Rpm

Helical Gear Units Input Combinations



R147R77 , ne=1750 1/min									13000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	71	80	90L	100L	112M	132S
 3  3									
0.08	13000	62700	22847						
0.08	13000	62700	21238						
0.09	13000	62700	18540						
0.10	13000	62700	16776						
0.11	13000	62700	15340						
0.13	13000	62700	13556						
0.15	13000	62700	11942						
0.18	13000	62700	9791						
0.21	13000	62700	8415						
0.24	13000	62700	7264						
0.28	13000	62700	6294						
0.33	13000	62700	5294						
0.38	13000	62700	4664						
0.43	13000	62700	4038						
0.50	13000	62700	3486						
0.61	13000	62700	2873						
 3  2									
0.69	13000	62700	2541						
0.75	13000	62700	2318						
0.89	13000	62700	1971						
0.97	13000	62700	1798						
1.08	13000	62700	1617						
1.21	13000	62700	1440						
1.35	13000	62700	1292						
1.47	13000	62700	1190						
1.74	13000	62700	1004						
2.09	13000	62700	839						
2.45	13000	62700	716						
2.78	13000	62700	630						
3.37	13000	62700	520						
4.08	13000	62700	429						
3.36	13000	62700	521						
3.68	13000	62700	475						
4.23	13000	62700	414						

Standard
標準配接
 Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接
 Not available
無法承製



Helical Gear Units
Input Combinations

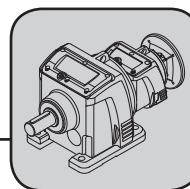
1750 Input Rpm

R147R87 , ne=1750 1/min							13000 Nm
na [1/min]	Mamax [Nm]	FRa [N]	i	112M	132S	132M	160M
 3  2							
3.40	13000	62700	515				
3.96	13000	62700	442				
4.34	13000	62700	403				
4.80	13000	62700	365				
5.23	13000	62700	335				
6.09	13000	62700	287				
7.14	13000	62700	245				
8.23	13000	62700	213				
9.59	13000	62700	182				
10.35	13000	62700	169				

1750 Input Rpm

Helical Gear Units

Input Combinations

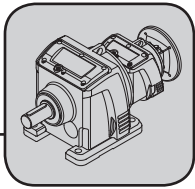


R167R97, ne=1750 1/min										18000 Nm	
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	
 3  3											
0.06	18000	88200	27788								
0.08	18000	88200	22010								
0.09	18000	88200	20220								
0.10	18000	88200	17569								
0.11	18000	88200	15513								
0.12	18000	88200	14023								
0.14	18000	88200	12244								
0.15	18000	88200	11324								
0.17	18000	88200	10394								
0.19	18000	88200	9379								
0.20	18000	88200	8539								
0.22	18000	88200	7897								
0.25	18000	88200	6952								
0.29	18000	88200	6050								
0.31	18000	88200	5578								
0.39	18000	88200	4505								
0.42	18000	88200	4118								
0.49	18000	88200	3591								
0.57	18000	88200	3049								
 3  2											
0.68	18000	88200	2581								
0.74	18000	88200	2367								
0.85	18000	88200	2061								
0.94	18000	88200	1863								
1.06	18000	88200	1648								
1.17	18000	88200	1490								
1.44	18000	88200	1216								
1.70	18000	88200	1032								
1.88	18000	88200	933								
2.12	18000	88200	825								
2.35	18000	88200	745								
2.65	18000	88200	659								
3.18	18000	88200	551								
3.66	18000	88200	478								
4.26	18000	88200	411								
4.62	18000	88200	378								
5.33	18000	88200	328								
6.09	18000	88200	287								

Standard
標準配接

Input Flange / Solid Input Shaft - Standard
法蘭 / 實心入力 - 標準配接

Not available
無法承製



Helical Gear Units

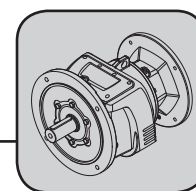
Input Combinations

1750 Input Rpm

R167R107, ne=1750 1/min													18000 Nm	
na [1/min]	Mamax [Nm]	FRa [N]	i	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
 2  3														
0.64	18000	88200	2747											
0.69	18000	88200	2539											
0.71	18000	88200	2450											
0.76	18000	88200	2297											
0.85	18000	88200	2057											
0.92	18000	88200	1901											
1.08	18000	88200	1624											
1.17	18000	88200	1496											
1.29	18000	88200	1358											
1.39	18000	88200	1261											
1.65	18000	88200	1058											
1.86	18000	88200	940											
2.15	18000	88200	814											
2.52	18000	88200	695											
2.88	18000	88200	607											
3.38	18000	88200	518											
 3  2														
4.96	18000	88200	353											
6.01	18000	88200	291											
6.43	18000	88200	272											
7.91	18000	88200	221											
8.87	18000	88200	197											
11.06	18000	88200	158											
 2  2														
3.61	18000	88200	485											
4.55	18000	88200	385											
5.25	18000	88200	333											
6.12	18000	88200	286											
7.05	18000	88200	248											
8.43	18000	88200	208											
10.63	18000	88200	165											

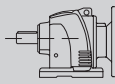
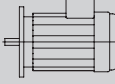
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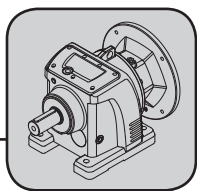
	Standard 標準配接		Input Flange / Solid Input Shaft - Standard 法蘭 / 實心入力 - 標準配接		Not available 無法承製
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3.3 選型表 1400Rpm Selection Tables

R..F/..M

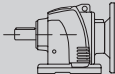
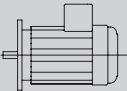
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.12 (0.16HP)	0.07	14475	21238	62700	0.90	MH147 R77 MV147 R77 MW147 R77	63 404 396 380
	0.08	12635	18540	62700	1.03		
	0.08	11433	16776	62700	1.14		
	0.09	10454	15340	62700	1.24		
	0.10	9239	13556	62700	1.41		
	0.12	8139	11942	62700	1.60		
	0.14	6672	9791	62700	1.95		
	0.17	5735	8415	62700	2.27		
	0.19	4951	7264	62700	2.63		
	0.22	4289	6294	62700	3.03		
	0.26	3608	5294	62700	3.60		
	0.11	8753	12843	37500	0.80	MH137 R77 MV137 R77 MW137 R77	63 264 275 259
	0.13	7176	10529	37500	0.98		
	0.16	5837	8565	37500	1.20		
	0.19	4962	7280	37500	1.41		
	0.21	4613	6769	37500	1.52		
	0.22	4254	6243	37500	1.65		
	0.24	3911	5739	37500	1.79		
	0.28	3446	5056	37500	2.03		
	0.18	5293	7767	29500	0.81	MH107 R77 MV107 R77 MW107 R77	63 182 185 174
	0.21	4610	6765	29500	0.93		
	0.24	4053	5947	29500	1.06		
	0.28	3403	4993	29500	1.26		
	0.30	3138	4605	29500	1.37		
	0.35	2760	4049	29500	1.56		
	0.37	2600	3816	29500	1.65		
	0.41	2317	3400	29500	1.86		
	0.47	2018	2961	29500	2.13		
	0.38	2600	3701	29500	1.65	MH107 R77 MV107 R77 MW107 R77	63 171 175 164
	0.42	2353	3349	29500	1.83		
	0.46	2152	3062	29500	2.00		
	0.52	1901	2706	29500	2.26		
	0.59	1675	2384	29500	2.57		
	0.72	1373	1955	29500	3.13		
	0.31	3077	4514	18100	0.98	LH97 R57	110
	0.35	2738	4018	18100	1.10	LV97 R57	117
	0.40	2370	3477	18100	1.27	LW97 R57	106
	0.30	3278	4666	18100	0.92	LH97 R57 LV97 R57 LW97 R57	63 108 112 101
	0.33	2995	4262	18100	1.00		
	0.38	2618	3726	18100	1.15		
	0.47	2109	3002	18100	1.42		
	0.52	1879	2675	18100	1.60		
	0.58	1684	2397	18100	1.78		
	0.65	1518	2161	18100	1.98		
	0.80	1230	1750	18100	2.44		
	0.83	1188	1691	18100	2.53		
	0.47	2112	3006	18100	1.42	LH97 R57 LV97 R57 LW97 R57	63 109 116 105
	0.50	1978	2816	18100	1.52		
	0.60	1641	2336	18100	1.83		
	0.67	1472	2095	18100	2.04		
	0.76	1291	1838	18100	2.32		
	0.81	1216	1730	18100	2.47		
	0.90	1091	1553	18100	2.75		
	1.00	985	1402	18100	3.05		
	1.09	903	1285	18100	3.32		
	1.28	766	1091	18100	3.92		

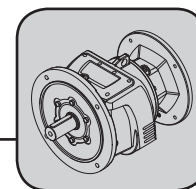


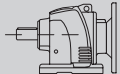
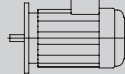
Helical Gear Units

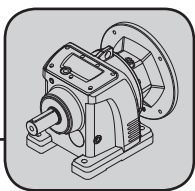
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.12 (0.16HP)	0.58	1642	2410	16900	0.91	LH87 R57		77
	0.63	1511	2216	16900	0.99	LV87 R57	63	81
	0.71	1347	1977	16900	1.11	LW87 R57		77
	0.54	1811	2577	16900	0.83			
	0.60	1632	2323	16900	0.92	LH87 R57		75
	0.67	1474	2098	16900	1.02	LV87 R57	63	79
	0.74	1322	1882	16900	1.13	LW87 R57		75
	0.77	1277	1818	16900	1.17			
	0.85	1164	1656	16900	1.29			
	0.85	1153	1641	16900	1.30			
	1.03	952	1355	16900	1.58			
	1.26	781	1112	16900	1.92	LH87 R57		77
	1.39	707	1006	16900	2.12	LV87 R57	63	80
	1.70	580	826	16900	2.59	LW87 R57		76
	1.90	517	735	16900	2.90			
	2.22	444	632	16900	3.38			
	2.37	415	590	16900	3.62			
	1.11	885	1259	8620	0.85	LH77 R37		39
	1.27	773	1100	8620	0.97	LV77 R37	63	45
	1.36	721	1026	8620	1.04	LW77 R37		41
	1.50	656	934	8620	1.14			
	1.12	876	1246	8620	0.86			
	1.33	742	1056	8620	1.01	LH77 R37		40
	1.50	654	931	8620	1.15	LV77 R37	63	46
	1.67	589	838	8620	1.27	LW77 R37		42
	1.96	503	715	8620	1.49			
	2.31	426	607	8620	1.76			
	2.72	373	515	8620	2.01			
	3.01	337	465	8620	2.23	LH77 R37		38
	3.36	302	417	8620	2.48	LV77 R37	63	44
	3.81	266	367	8620	2.82	LW77 R37		40
	4.60	221	305	8620	3.40			
	1.64	601	855	7560	1.00			
	1.88	600	745	7560	1.15	LH67 R37		34
	2.12	465	662	7560	1.29	LV67 R37	63	35
	2.53	388	552	7560	1.55	LW67 R37		33
	2.88	342	487	7560	1.76			
	1.67	589	839	7560	1.02			
	1.85	532	757	7560	1.13	LH67 R37		35
	2.17	454	646	7560	1.32	LV67 R37	63	36
	2.55	385	548	7560	1.56	LW67 R37		34
	3.12	316	449	7560	1.90			
	3.77	261	371	7560	2.30			
	1.79	551	784	7110	0.82	LH57 R37		28
	2.14	460	654	7110	0.98	LV57 R37	63	31
	2.30	428	610	7110	1.05	LW57 R37		29
	2.04	482	686	7110	0.93			
	2.39	411	586	7110	1.09	LH57 R37		28
	2.82	349	496	7110	1.29	LV57 R37	63	31
	3.44	286	407	7110	1.57	LW57 R37		29
	3.81	258	368	7110	1.74			
	3.77	269	371	7110	1.68			
	4.24	239	330	7110	1.88	LH57 R37		28
	4.55	223	308	7110	2.02	LV57 R37	63	30
	5.07	200	276	7110	2.25	LW57 R37		28
	5.93	171	236	7110	2.63			
	6.52	156	215	7110	2.89			
	2.89	341	485	5420	0.88	LH47 R37		27



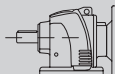
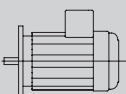
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.12 (0.16HP)	3.52	280	398	5420	1.07	LV47 R37	63	27
						LW47 R37		26
	3.11	326	450	5420	0.92			
	3.45	294	406	5420	1.02			
	3.82	265	366	5420	1.13	LH47 R37		26
	4.26	238	329	5420	1.26	LV47 R37	63	26
	4.84	210	289	5420	1.43	LW47 R37		25
	5.83	174	240	5420	1.73			
	6.49	156	216	5420	1.92			
	7.60	133	184	5420	2.25			
	7.00	149	199.88	7560	4.02	LH67		26
	8.28	126	169.10	7560	4.75	LV67	63	24
	9.27	113	151.03	7560	5.32	LW67		22
	9.95	105	140.75	7560	5.71			
	7.65	137	182.99	7110	3.29			
	8.53	123	164.13	7110	3.67	LH57		20
	9.90	106	141.40	7110	4.26	LV57	63	23
	10.84	96	129.16	7110	4.67	LW57		21
	12.40	84	112.90	7110	5.34			
	13.76	76	101.77	7110	5.92			
	7.83	134	178.83	5420	2.25			
	8.73	120	160.40	5420	2.50			
	10.13	103	138.19	5420	2.91			
	11.09	94	126.22	5420	3.18	LH47		19
	12.69	82	110.34	5420	3.64	LV47	63	17
	14.08	74	99.46	5420	4.04	LW47		17
	15.59	67	89.82	5420	4.47			
	17.37	60	80.58	5420	4.99			
	17.99	58	77.84	5420	5.16			
	19.74	53	70.91	5420	5.67			
	10.12	103	138.36	4950	1.94			
	11.74	89	119.28	4950	2.25			
	13.93	75	100.51	4950	2.66			
	15.30	68	91.53	4950	2.93	LH37		11
	17.55	60	79.77	4950	3.36	LV37	63	12
	18.26	57	76.66	4950	3.49	LW37		11
	20.05	52	69.81	4950	3.84			
	23.01	45	60.84	4950	4.40			
	25.91	40	54.03	4950	4.96			
	26.80	39	52.24	4930	5.13			
	17.53	60	79.85	1770	1.43			
	20.38	51	68.70	1770	1.66			
	23.64	44	59.23	1770	1.92			
	28.05	37	49.90	1770	2.28			
	30.80	34	45.45	1770	2.50	MH17		8
	35.35	30	39.61	1770	2.87	MV17	63	8
	39.81	26	35.17	1770	3.24			
	47.69	22	29.36	1770	3.88			
	56.53	18	24.76	1770	4.60			
	71.10	15	19.69	1770	5.78			
	223.29	5	6.27	3030	8.64			
	255.94	4	5.47	2900	10.00	XH67	63	12
	282.83	4	4.95	2790	10.00			
	255.94	4	5.47	2520	8.50			
	286.89	4	4.88	2430	9.83	XH57	63	10
	307.69	4	4.55	2360	10.00			
0.18 (0.25HP)	0.09	15681	15340	62700	0.83			
	0.10	13858	13556	62700	0.94			

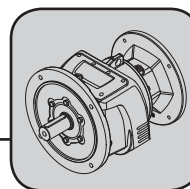


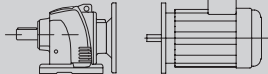
Helical Gear Units

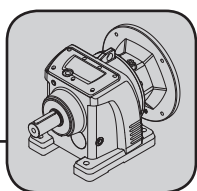
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]		
0.18 (0.25HP)	0.12	12208	11942	62700	1.06	MH147 R77 MV147 R77 MW147 R77	63	404 396 380		
	0.14	10008	9791	62700	1.30					
	0.17	8602	8415	62700	1.51					
	0.19	7426	7264	62700	1.75					
	0.22	6434	6294	62700	2.02					
	0.26	5412	5294	62700	2.40					
	0.30	4768	4664	62700	2.73					
	0.35	4128	4038	62700	3.15					
0.40	3564	3486	62700	3.65						
0.16	8756	8565	37500	0.80	MH137 R77 MV137 R77 MW137 R77	63	264 275 259			
0.19	7442	7280	37500	0.94						
0.21	6919	6769	37500	1.01						
0.22	6381	6243	37500	1.10						
0.24	5867	5739	37500	1.19						
0.28	5169	5056	37500	1.35						
0.33	4332	4237	37500	1.62						
0.35	4082	3993	37500	1.71						
0.31	4814	4568	37500	1.45	MH137 R77 MV137 R77 MW137 R77	63	252 264 248			
0.35	4203	3988	37500	1.67						
0.39	3803	3608	37500	1.84						
0.42	3477	3299	37500	2.01						
0.48	3073	2916	37500	2.28						
0.30	4708	4605	29500	0.91				MH107 R77 MV107 R77 MW107 R77	63	182 185 174
0.37	3901	3816	29500	1.10						
0.47	3027	2961	29500	1.42						
0.38	3901	3701	29500	1.10	MH107 R77 MV107 R77 MW107 R77	63	171 175 164			
0.42	3529	3349	29500	1.22						
0.46	3227	3062	29500	1.33						
0.52	2852	2706	29500	1.51						
0.59	2513	2384	29500	1.71						
0.72	2060	1955	29500	2.09						
0.75	1963	1862	29500	2.19				MH107 R77 MV107 R77 MW107 R77	63	180 183 172
0.92	1610	1528	29500	2.67						
1.03	1434	1361	29500	3.00						
1.15	1287	1221	29500	3.34						
0.52	2819	2675	18100	1.06	LH97 R57 LV97 R57 LW97 R57	63	108 112 101			
0.58	2526	2397	18100	1.19						
0.65	2277	2161	18100	1.32						
0.80	1845	1750	18100	1.63						
0.83	1782	1691	18100	1.68						
0.91	1624	1541	18100	1.85						
1.02	1451	1377	18100	2.07						
1.10	1347	1278	18100	2.23						
1.27	1159	1099	18100	2.59						
1.43	1033	980	18100	2.90						
1.53	966	917	18100	3.11						
1.73	853	810	18100	3.52						
1.91	772	733	18100	3.88						
0.50	2968	2816	18100	1.01	LH97 R57 LV97 R57 LW97 R57	63	109 116 105			
0.60	2462	2336	18100	1.22						
0.67	2207	2095	18100	1.36						
0.95	1560	1480	16900	0.96	LH87 R57 LV87 R57 LW87 R57	63	75 79 75			
1.02	1448	1374	16900	1.04						
1.13	1301	1234	16900	1.15						
1.33	1111	1054	16900	1.35						
1.53	965	916	16900	1.55						
1.66	888	842	16900	1.69						
0.85	1729	1641	16900	0.87						



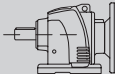
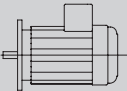
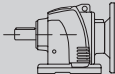
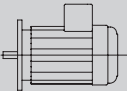
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
0.18 (0.25HP)	1.03	1428	1355	16900	1.05	LH87 R57	77
	1.26	1172	1112	16900	1.28	LV87 R57	80
	1.39	1060	1006	16900	1.41	LW87 R57	76
	1.70	870	826	16900	1.72		
	1.90	775	735	16900	1.94		
	1.72	858	814	8620	0.87	LH77 R37	39
	1.94	762	723	8620	0.98	LV77 R37	45
	2.32	636	603	8620	1.18	LW77 R37	41
	2.50	591	561	8620	1.27		
	1.67	883	838	8620	0.85	LH77 R37	40
	1.96	754	715	8620	0.99	LV77 R37	46
	2.31	639	607	8620	1.17	LW77 R37	42
	2.72	559	515	8620	1.34		
	3.01	505	465	8620	1.48	LH77 R37	38
	3.36	453	417	8620	1.66	LV77 R37	44
	3.81	399	367	8620	1.88	LW77 R37	40
	4.60	331	305	8620	2.27		
	5.12	297	273	8620	2.52		
	2.53	582	552	7560	1.03	LH67 R37	34
	2.88	513	487	7560	1.17	LV67 R37	35
						LW67 R37	33
	2.17	681	646	7560	0.88	LH67 R37	35
	2.55	578	548	7560	1.04	LV67 R37	36
	3.12	474	449	7560	1.27	LW67 R37	34
	3.77	391	371	7560	1.53		
	3.29	462	426	7560	1.30		
	3.67	415	382	7560	1.45	LH67 R37	33
	4.17	365	336	7560	1.64	LV67 R37	35
	4.73	322	296	7560	1.87	LW67 R37	33
	5.02	303	279	7560	1.98		
	2.88	513	487	7110	0.88		
	3.48	424	402	7110	1.06	LH57 R37	28
	2.82	523	496	7110	0.86	LV57 R37	31
	3.44	429	407	7110	1.05	LW57 R37	29
	3.81	387	368	7110	1.16		
	3.77	403	371	7110	1.12		
	4.24	359	330	7110	1.25		
	4.55	334	308	7110	1.35	LH57 R37	28
	5.07	300	276	7110	1.50	LV57 R37	30
	5.93	256	236	7110	1.75	LW57 R37	28
	6.52	233	215	7110	1.93		
	8.82	172	159	7110	2.61		
	4.26	357	329	5420	0.84		
	4.84	314	289	5420	0.95	LH47 R37	26
	5.83	261	240	5420	1.15	LV47 R37	26
	6.49	234	216	5420	1.28	LW47 R37	25
	7.60	200	184	5420	1.50		
	7.19	218	194.80	8620	3.44		
	8.23	190	170.05	8620	3.94	LH77	32
	9.10	172	153.87	8620	4.35	LV77	37
	9.95	158	140.70	8620	4.76	LW77	33
	11.26	139	124.34	8620	5.39		
	7.00	224	199.88	7560	2.68		
	8.28	189	169.10	7560	3.17		
	9.27	169	151.03	7560	3.55	LH67	26
	9.95	158	140.75	7560	3.81	LV67	24
	11.17	140	125.28	7560	4.28	LW67	22
	12.46	126	112.34	7560	4.77		

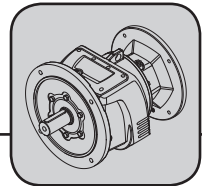


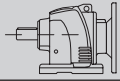
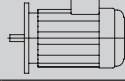
Helical Gear Units

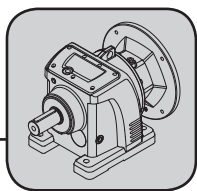
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.18 (0.25HP)	14.19	111	98.69	7560	5.43			
	15.09	104	92.80	7560	5.77			
	7.65	205	182.99	7110	2.20			
	8.53	184	164.13	7110	2.45			
	9.90	158	141.40	7110	2.84			
	10.84	145	129.16	7110	3.11			
	12.40	126	112.90	7110	3.56			
	13.76	114	101.77	7110	3.95			
	15.23	103	91.91	7110	4.37			
	16.98	92	82.45	7110	4.87			
	17.58	89	79.65	7110	5.04	LH57 LV57 LW57	63	20 23 21
	19.29	81	72.56	7110	5.54			
	7.83	200	178.83	5420	1.50			
	8.73	180	160.40	5420	1.67			
	10.13	155	138.19	5420	1.94			
	11.09	141	126.22	5420	2.12			
	12.69	124	110.34	5420	2.43			
	14.08	111	99.46	5420	2.69			
	15.59	101	89.82	5420	2.98			
	17.37	90	80.58	5420	3.32			
	17.99	87	77.84	5420	3.44	LH47 LV47 LW47	63	19 17 17
	19.74	79	70.91	5420	3.78			
	22.09	71	63.37	5420	4.23			
	23.79	66	58.84	5420	4.55			
	26.50	59	52.84	5420	5.07			
	31.02	51	45.13	5420	5.93			
	10.12	155	138.36	4950	1.29			
	11.74	134	119.28	4950	1.50			
	13.93	113	100.51	4950	1.78			
	15.30	103	91.53	4950	1.95			
	17.55	89	79.77	4950	2.24	LH37 LV37 LW37	63	11 12 11
	18.26	86	76.66	4950	2.33			
	20.05	78	69.81	4950	2.56			
	23.01	68	60.84	4950	2.93			
	25.91	61	54.03	4895	3.31			
	26.80	59	52.24	4825	3.42			
	31.81	49	44.01	4590	4.06			
	34.93	45	40.08	4465	4.45			
	40.08	39	34.93	4285	5.11			
	45.13	35	31.02	4135	5.76			
	17.53	89	79.85	1770	0.95	MH17 MV17	63	8 8
	20.38	77	68.70	1770	1.10			
	23.64	66	59.23	1770	1.28			
	28.05	56	49.90	1770	1.52			
	30.80	51	45.45	1770	1.67			
	35.35	44	39.61	1770	1.92			
	39.81	39	35.17	1770	2.16			
	47.69	33	29.36	1770	2.59			
	56.53	28	24.76	1770	3.06			
	71.10	22	19.69	1770	3.85			
	93.22	17	15.02	1770	4.12	MH17 MV17	63	8 7
	110.64	15	12.65	1770	4.57			
	139.40	12	10.04	1750	5.26			
	223.29	7	6.27	3020	5.76	XH67	63	12
	255.94	7	5.47	2890	6.67			
	282.83	6	4.95	2770	6.67			
	309.05	5	4.53	2710	6.67			
	255.94	7	5.47	2500	5.67			



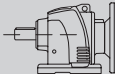
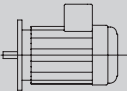
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.18 (0.25HP)	286.89 307.69 345.68 385.67 438.87 466.67 627.80	6 5 5 4 4 4 3	4.88 4.55 4.05 3.63 3.19 3.00 2.23	2420 2340 2280 2180 2090 2050 1865	6.56 6.67 6.67 15.06 16.78 17.28 19.89	XH57	63	10
0.25 (0.34HP)	0.14 0.17 0.19 0.22 0.26 0.30 0.35 0.40 0.49	13901 11947 10314 8936 7517 6622 5733 4950 4079	9791 8415 7264 6294 5294 4664 4038 3486 2873	62700 62700 62700 62700 62700 62700 62700 62700 62700	0.94 1.09 1.26 1.45 1.73 1.96 2.27 2.63 3.19			
	0.24 0.28 0.33 0.35	8149 7179 6016 5669	5739 5056 4237 3993	37500 37500 37500 37500	0.86 0.98 1.16 1.23			
	0.31 0.35 0.39 0.42 0.48	6686 5837 5281 4829 4268	4568 3988 3608 3299 2916	37500 37500 37500 37500 37500	1.05 1.20 1.33 1.45 1.64			
	0.51 0.56 0.60 0.66 0.78 0.90 1.01 1.09	4000 3678 3400 3103 2637 2267 2034 1873	2733 2513 2323 2120 1802 1549 1389 1279	37500 37500 37500 37500 37500 37500 37500 37500	1.75 1.90 2.06 2.26 2.65 3.09 3.44 3.74			
	0.47	4204	2961	29500	1.02			
	0.46	4482	3062	29500	0.96			
	0.75 0.92 1.03 1.15 1.25 1.48 1.76	2726 2237 1992 1787 1645 1388 1166	1862 1528 1361 1221 1124 949 796	29500 29500 29500 29500 29500 29500 29500	1.58 1.92 2.16 2.41 2.61 3.10 3.69			
	0.80 0.83	2562 2475	1750 1691	18100 18100	1.17 1.21			
	0.76 0.81 0.90 1.00 1.09 1.28 1.47 1.68 1.82	2690 2533 2272 2052 1880 1596 1394 1223 1124	1838 1730 1553 1402 1285 1091 952 835 768	18100 18100 18100 18100 18100 18100 18100 18100 18100	1.12 1.18 1.32 1.46 1.60 1.88 2.15 2.45 2.67			

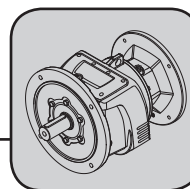


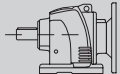
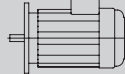
Helical Gear Units

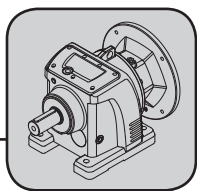
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.25 (0.34HP)	2.08	986	674	18100	3.04			
	1.13	1806	1234	16900	0.83	LH87 R57		75
	1.33	1543	1054	16900	0.97	LV87 R57	71	79
	1.53	1341	916	16900	1.12	LW87 R57		75
	1.66	1233	842	16900	1.22			
	1.26	1628	1112	16900	0.92			
	1.70	1208	826	16900	1.24			
	1.90	1076	735	16900	1.39	LH87 R57		77
	2.22	925	632	16900	1.62	LV87 R57	71	80
	2.37	864	590	16900	1.74	LW87 R57		76
	2.68	764	522	16900	1.96			
	3.18	644	440	16900	2.33			
	5.32	385	263	16900	3.89			
	2.50	821	561	8620	0.91	LH77 R37		39
						LV77 R37	71	45
						LW77 R37		41
	2.62	782	534	8620	0.96			
	2.81	728	497	8620	1.03	LH77 R37		40
	3.20	641	438	8620	1.17	LV77 R37	71	46
	3.77	543	371	8620	1.38	LW77 R37		42
	4.45	461	315	8620	1.63			
	2.72	777	515	8620	0.97			
	3.01	702	465	8620	1.07			
	3.36	629	417	8620	1.19	LH77 R37		38
	3.81	554	367	8620	1.35	LV77 R37	71	44
	4.60	460	305	8620	1.63	LW77 R37		40
	5.12	413	273	8620	1.82			
	5.99	353	234	8620	2.13			
	3.77	543	371	7560	1.10	LH67 R37		35
						LV67 R37	71	36
						LW67 R37		34
	3.29	642	426	7560	0.93			
	3.67	576	382	7560	1.04			
	4.17	507	336	7560	1.18			
	4.73	447	296	7560	1.34	LH67 R37		33
	5.02	421	279	7560	1.43	LV67 R37	71	35
	5.59	378	250	7560	1.59	LW67 R37		33
	6.35	333	221	7560	1.80			
	6.55	323	214	7560	1.86			
	7.72	274	181	7560	2.19			
	8.77	241	160	7560	2.49			
	4.24	498	330	7110	0.90			
	4.55	464	308	7110	0.97			
	5.07	417	276	7110	1.08	LH57 R37		28
	5.93	356	236	7110	1.26	LV57 R37	71	30
	6.52	324	215	7110	1.39	LW57 R37		28
	8.82	239	159	7110	1.88			
	9.63	219	145	7110	2.05			
	5.83	362	240	5420	0.83	LH47 R37		26
	6.49	325	216	5420	0.92	LV47 R37	71	26
	7.60	278	184	5420	1.08	LW47 R37		25
	8.97	236	156	5420	1.27			
	7.19	303	194.80	8620	2.47			
	8.23	265	170.05	8620	2.84			
	9.10	239	153.87	8620	3.13			
	9.95	219	140.70	8620	3.43	LH77		32
	11.26	193	124.34	8620	3.88	LV77	71	37
	12.78	170	109.54	8620	4.40	LW77		33



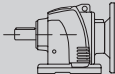
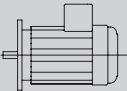
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.25 (0.34HP)	15.59	140	89.80	8620	4.80			
	16.54	132	84.62	8620	4.80			
	7.00	311	199.88	7560	1.93			
	8.28	263	169.10	7560	2.28			
	9.27	235	151.03	7560	2.55			
	9.95	219	140.75	7560	2.74	LH67		26
	11.17	195	125.28	7560	3.08	LV67	71	24
	12.46	175	112.34	7560	3.43	LW67		22
	14.19	154	98.69	7560	3.91			
	15.09	144	92.80	7560	4.16			
	17.81	122	78.59	7560	4.80			
	20.32	107	68.90	7560	4.80			
	7.65	285	182.99	7110	1.58			
	8.53	255	164.13	7110	1.76			
	9.90	220	141.40	7110	2.05			
	10.84	201	129.16	7110	2.24			
	12.40	176	112.90	7110	2.56			
	13.76	158	101.77	7110	2.84	LH57		20
	15.23	143	91.91	7110	3.15	LV57	71	23
	16.98	128	82.45	7110	3.51	LW57		21
	17.58	124	79.65	7110	3.63			
	19.29	113	72.56	7110	3.99			
	21.59	101	64.84	7110	4.46			
	23.25	94	60.21	7110	4.80			
	25.89	84	54.07	7110	4.80			
	7.83	278	178.83	5420	1.08			
	8.73	250	160.40	5420	1.20			
	10.13	215	138.19	5420	1.40			
	11.09	196	126.22	5420	1.53			
	12.69	172	110.34	5420	1.75			
	14.08	155	99.46	5420	1.94			
	15.59	140	89.82	5420	2.15	LH47		19
	17.37	125	80.58	5420	2.39	LV47	71	17
	17.99	121	77.84	5420	2.48	LW47		17
	19.74	110	70.91	5420	2.72			
	22.09	99	63.37	5420	3.04			
	23.79	92	58.84	5420	3.28			
	26.50	82	52.84	5420	3.65			
	31.02	70	45.13	5420	4.27			
	33.73	65	41.51	5420	4.65			
	37.56	58	37.28	5420	4.80			
	10.12	215	138.36	4950	0.93			
	11.74	186	119.28	4950	1.08			
	13.93	156	100.51	4950	1.28			
	15.30	142	91.53	4950	1.40			
	17.55	124	79.77	4950	1.61			
	18.26	119	76.66	4950	1.68			
	20.05	109	69.81	4950	1.84	LH37		11
	23.01	95	60.84	4935	2.11	LV37	71	12
	25.91	84	54.03	4780	2.38	LW37		11
	26.80	81	52.24	4705	2.46			
	31.81	68	44.01	4485	2.92			
	34.93	62	40.08	4370	3.21			
	40.08	54	34.93	4205	3.68			
	45.13	48	31.02	4060	4.14			
	54.07	40	25.89	3855	4.80			
	57.14	39	24.50	3800	5.01	LH37		11
	63.39	35	22.09	3680	5.44	LV37	71	11

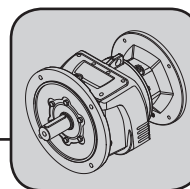


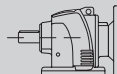
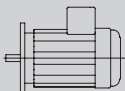
Helical Gear Units

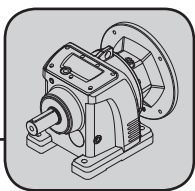
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.25 (0.34HP)	70.19	32	19.95	3570	5.92	LW37		10
	20.38	107	68.70	1770	0.80			
	23.64	92	59.23	1770	0.92			
	28.05	78	49.90	1770	1.09			
	30.80	71	45.45	1770	1.20	MH17		8
	35.35	62	39.61	1770	1.38	MV17	71	8
	39.81	55	35.17	1770	1.55			
	47.69	46	29.36	1770	1.86			
	56.53	39	24.76	1770	2.21			
	71.10	31	19.69	1770	2.77			
	93.22	24	15.02	1770	2.97			
	110.64	20	12.65	1770	3.29	MH17		8
	139.40	16	10.04	1690	3.79	MV17	71	7
	188.09	12	7.44	1570	4.56			
	280.41	8	4.99	1400	5.82			
	223.29	10	6.27	3000	4.15			
	255.94	9	5.47	2870	4.80			
	282.83	8	4.95	2750	4.80	XH67	71	12
	309.05	7	4.53	2690	4.80			
	397.73	6	3.52	2470	14.95			
	514.71	4	2.72	2280	19.77			
	255.94	9	5.47	2480	4.08			
	286.89	8	4.88	2400	4.72			
	307.69	8	4.55	2320	4.80			
	345.68	7	4.05	2260	4.80			
	385.67	6	3.63	2160	10.84	XH57	71	10
	438.87	5	3.19	2075	12.08			
	466.67	5	3.00	2035	12.44			
	627.80	4	2.23	1850	14.32			
	880.50	3	1.59	1660	16.20			
	1068.70	2	1.31	1565	19.32			
0.37 (0.5HP)	0.19	15264	7264	62700	0.85			
	0.22	13225	6294	62700	0.98			
	0.26	11125	5294	62700	1.17	MH147 R77		404
	0.30	9801	4664	62700	1.33	MV147 R77	71	396
	0.35	8486	4038	62700	1.53	MW147 R77		380
	0.40	7325	3486	62700	1.77			
	0.49	6037	2873	62700	2.15			
	0.35	8390	3993	37500	0.83	MH137 R77		264
						MV137 R77	71	275
						MW137 R77		259
	0.35	8639	3988	37500	0.81			
	0.39	7816	3608	37500	0.90	MH137 R77		252
	0.42	7147	3299	37500	0.98	MV137 R77	71	264
	0.48	6316	2916	37500	1.11	MW137 R77		248
	0.55	5564	2569	37500	1.26			
	0.66	4562	2106	37500	1.53			
	0.51	5921	2733	37500	1.18			
	0.56	5443	2513	37500	1.29			
	0.60	5032	2323	37500	1.39			
	0.66	4592	2120	37500	1.52	MH137 R77		261
	0.78	3903	1802	37500	1.79	MV137 R77	71	273
	0.90	3356	1549	37500	2.09	MW137 R77		257
	1.01	3010	1389	37500	2.33			
	1.09	2771	1279	37500	2.53			
	1.30	2339	1080	37500	2.99			
	1.53	1988	918	37500	3.52			
	0.72	4234	1955	29500	1.02			



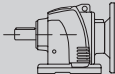
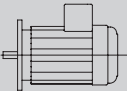
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.37 (0.5HP)	0.76	3990	1842	29500	1.08	MH107 R77 MV107 R77 MW107 R77	71	171
	0.78	3872	1788	29500	1.11			175
	0.88	3444	1590	29500	1.25			164
	1.11	2722	1256	29500	1.58			
	1.21	2510	1159	29500	1.71			
	1.37	2211	1021	29500	1.94			
	0.75	4035	1862	29500	1.07	MH107 R77 MV107 R77 MW107 R77	71	180
	0.92	3310	1528	29500	1.30			183
	1.03	2948	1361	29500	1.46			172
	1.15	2645	1221	29500	1.63			
	1.25	2435	1124	29500	1.77			
	1.48	2055	949	29500	2.09			
	1.76	1725	796	29500	2.49			
	1.10	2769	1278	18100	1.08	LH97 R57	71	108
	1.27	2382	1099	18100	1.26	LV97 R57		112
						LW97 R57		101
	1.00	3037	1402	18100	0.99	LH97 R57 LV97 R57 LW97 R57	71	
	1.09	2783	1285	18100	1.08			
	1.28	2362	1091	18100	1.27			
	1.47	2063	952	18100	1.45			
	1.68	1810	835	18100	1.66			109
	1.82	1664	768	18100	1.80			116
	2.08	1460	674	18100	2.05			105
	2.38	1275	588	18100	2.35			
	2.80	1082	500	18100	2.77			
	3.21	945	436	18100	3.18			
	3.65	831	384	18100	3.61			
	4.18	726	335	18100	4.13			
	1.66	1825	842	16900	0.82	LH87 R57	71	75
	1.85	1639	756	16900	0.92	LV87 R57		79
	2.18	1389	641	16900	1.08	LW87 R57		75
	1.90	1593	735	16900	0.94	LH87 R57 LV87 R57 LW87 R57	71	
	2.22	1369	632	16900	1.10			
	2.37	1279	590	16900	1.17			77
	2.68	1131	522	16900	1.33			80
	3.18	952	440	16900	1.57			76
	5.32	570	263	16900	2.63			
	6.05	501	231	16900	2.99			
	2.60	1201	538	16900	1.25	LH87 R57	71	74
	2.93	1069	479	16900	1.40	LV87 R57		78
	3.39	921	412	16900	1.63	LW87 R57		74
	3.89	804	360	16900	1.87			
	3.77	804	371	8620	0.93	LH77 R37	71	40
	4.45	682	315	8620	1.10	LV77 R37		46
						LW77 R37		42
	3.36	931	417	8620	0.81	LH77 R37 LV77 R37 LW77 R37	71	
	3.81	820	367	8620	0.91			38
	4.60	680	305	8620	1.10			44
	5.12	611	273	8620	1.23			40
	5.99	522	234	8620	1.44			
	7.07	442	198	8620	1.70			
	4.73	661	296	7560	0.91	LH67 R37 LV67 R37 LW67 R37	71	
	5.02	623	279	7560	0.96			33
	5.59	559	250	7560	1.07			35
	6.35	492	221	7560	1.22			33
	6.55	477	214	7560	1.26			
	7.19	448	194.80	8620	1.67			
	8.23	392	170.05	8620	1.92			



Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

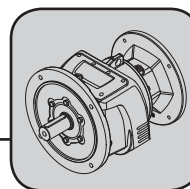
1400 Input Rpm

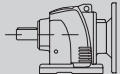
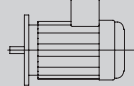
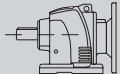
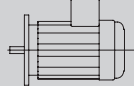
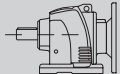
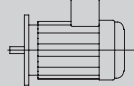
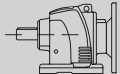
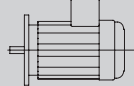
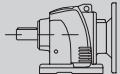
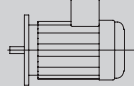
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.37 (0.5HP)	9.10	354	153.87	8620	2.12	LH77 LV77 LW77	71	32 37 33
	9.95	324	140.70	8620	2.32			
	11.26	286	124.34	8620	2.62			
	12.78	252	109.54	8620	2.97			
	15.59	207	89.80	8620	3.24			
	16.54	195	84.62	8620	3.24			
	19.17	168	73.05	8620	4.46			
	24.25	133	57.73	8620	5.64	LH67 LV67 LW67	71	26 24 22
	7.00	460	199.88	7560	1.30			
	8.28	389	169.10	7560	1.54			
	9.27	348	151.03	7560	1.73			
	9.95	324	140.75	7560	1.85			
	11.17	288	125.28	7560	2.08			
	12.46	259	112.34	7560	2.32			
	14.19	227	98.69	7560	2.64			
	15.09	214	92.80	7560	2.81			
	17.81	181	78.59	7560	3.24			
	20.32	159	68.90	7560	3.24			
	22.20	145	63.07	7560	3.24			
	24.04	134	58.23	7560	3.24			
	26.81	120	52.21	7560	3.24			
	30.52	106	45.87	7560	5.68			
	33.97	95	41.22	7310	5.28	LH57 LV57 LW57	71	20 23 21
	36.12	89	38.75	7175	5.50			
	7.65	421	182.99	7110	1.07			
	8.53	378	164.13	7110	1.19			
	9.90	326	141.40	7110	1.38			
	10.84	297	129.16	7110	1.51			
	12.40	260	112.90	7110	1.73			
	13.76	234	101.77	7110	1.92			
	15.23	212	91.91	7110	2.13			
	16.98	190	82.45	7110	2.37			
	17.58	183	79.65	7110	2.45			
	19.29	167	72.56	7110	2.69			
	21.59	149	64.84	7110	3.01			
	23.25	139	60.21	7110	3.24			
	25.89	124	54.07	7090	3.24			
	30.32	106	46.18	6775	3.24	LH47 LV47 LW47	71	19 17 17
	32.96	98	42.48	6610	3.24			
	36.70	88	38.14	6405	3.24			
	43.31	74	32.33	6035	4.88			
	50.70	64	27.61	5760	5.42			
	55.12	58	25.40	5615	5.73			
	8.73	369	160.40	5420	0.81			
	10.13	318	138.19	5420	0.94			
	11.09	291	126.22	5420	1.03			
	12.69	254	110.34	5420	1.18			
	14.08	229	99.46	5420	1.31			
	15.59	207	89.82	5420	1.45			
	17.37	186	80.58	5420	1.62			
	17.99	179	77.84	5420	1.67			
	19.74	163	70.91	5420	1.84			
	22.09	146	63.37	5420	2.06			
	23.79	135	58.84	5420	2.21			
	26.50	122	52.84	5420	2.47			
	31.02	104	45.13	5420	2.89			
	33.73	96	41.51	5420	3.14			
	37.56	86	37.28	5420	3.24			

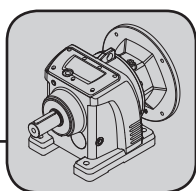
1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

Helical Gear Units



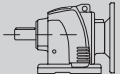
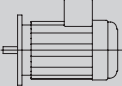
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.37 (0.5HP)	43.98	73	31.83	5420	4.09	 	
	51.49	63	27.19	5420	4.79		
	55.98	58	25.01	5420	5.21		
	62.34	52	22.46	5410	5.80		
	56.68	59	24.70	5420	5.12		
	60.82	55	23.02	5420	5.49		
	13.93	231	100.51	4950	0.86	 	
	15.30	211	91.53	4950	0.95		
	17.55	184	79.77	4950	1.09		
	18.26	176	76.66	4950	1.13		
	20.05	161	69.81	4860	1.24		
	23.01	140	60.84	4705	1.43		
	25.91	124	54.03	4575	1.61		
	26.80	120	52.24	4490	1.66		
	31.81	101	44.01	4310	1.97		
	34.93	92	40.08	4210	2.17		
	40.08	80	34.93	4060	2.49		
	45.13	71	31.02	3935	2.80		
	54.07	60	25.89	3750	3.24		
	57.14	58	24.50	3705	3.24		
	63.39	52	22.09	3595	3.24		
	70.19	47	19.95	3495	3.24		
	78.24	42	17.89	3385	3.24		
	88.90	37	15.75	3260	5.06		
	107.14	31	13.07	3085	5.83		
	30.80	105	45.45	1770	0.81	 	
	35.35	91	39.61	1770	0.93		
	39.81	81	35.17	1770	1.05		
	47.69	68	29.36	1770	1.26		
	56.53	57	24.76	1770	1.49		
	71.10	45	19.69	1770	1.87		
	93.22	36	15.02	1720	2.00		
	110.64	30	12.65	1670	2.22		
	139.40	24	10.04	1600	2.56		
	188.09	18	7.44	1490	3.08		
	280.41	12	4.99	1350	3.93		
	345.74	10	4.05	1280	4.46		
	255.94	13	5.47	2850	3.24		
	282.83	12	4.95	2710	3.24		
	309.05	11	4.53	2670	3.24		
	397.73	9	3.52	2440	10.10		
	484.43	7	2.89	2310	13.59		
	514.71	7	2.72	2260	13.36		
	595.74	6	2.35	2155	14.23		
	752.69	5	1.86	2005	16.26		
	864.20	4	1.62	1915	16.63		
	255.94	13	5.47	2440	2.76	 	
	286.89	12	4.88	2370	3.19		
	307.69	11	4.55	2280	3.24		
	345.68	10	4.05	2240	3.24		
	385.67	9	3.63	2125	7.32		
	438.87	8	3.19	2045	8.16		
	466.67	7	3.00	2005	8.41		
	627.80	5	2.23	1830	9.68		
	880.50	4	1.59	1645	10.95		
	1068.70	3	1.31	1555	13.05		
0.55	0.30	14569	4664	62700	0.89	MH147 R77	406



Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

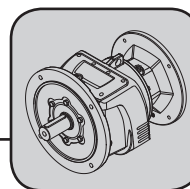
1400 Input Rpm

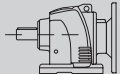
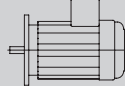
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	0.35	12614	4038	62700	1.03	MV147 R77	80	398
	0.40	10889	3486	62700	1.19	MW147 R77		382
	0.49	8974	2873	62700	1.45			
	0.55	8184	2541	62700	1.59			
	0.60	7464	2318	62700	1.74			
	0.71	6347	1971	62700	2.05	MH147 R77		404
	0.78	5789	1798	62700	2.25	MV147 R77	80	395
	0.87	5208	1617	62700	2.50	MW147 R77		380
	0.97	4638	1440	62700	2.80			
	1.08	4161	1292	62700	3.12			
	1.18	3831	1190	62700	3.39			
	0.55	8271	2569	37500	0.85	MH137 R77		254
						MV137 R77	80	265
						MW137 R77		250
	0.51	8801	2733	37500	0.80			
	0.56	8092	2513	37500	0.87			
	0.60	7481	2323	37500	0.94			
	0.66	6826	2120	37500	1.03			
	0.78	5802	1802	37500	1.21	MH137 R77		263
	0.90	4988	1549	37500	1.40	MV137 R77	80	275
	1.01	4474	1389	37500	1.56	MW137 R77		259
	1.09	4120	1279	37500	1.70			
	1.30	3476	1080	37500	2.01			
	1.53	2955	918	37500	2.37			
	1.68	2685	834	37500	2.61			
	1.11	4046	1256	29500	1.06			
	1.21	3732	1159	29500	1.15	MH107 R77		173
	1.37	3287	1021	29500	1.31	MV107 R77	80	176
	1.64	2755	856	29500	1.56	MW107 R77		166
	1.74	2596	806	29500	1.66			
	2.01	2241	696	29500	1.92			
	0.92	4921	1528	29500	0.87			
	1.03	4383	1361	29500	0.98	MH107 R77		181
	1.15	3931	1221	29500	1.09	MV107 R77	80	185
	1.25	3620	1124	29500	1.19	MW107 R77		174
	1.48	3054	949	29500	1.41			
	1.76	2564	796	29500	1.68			
	1.73	2608	810	18100	1.15	LH97 R57		110
	1.91	2360	733	18100	1.27	LV97 R57	80	114
						LW97 R57		103
	1.28	3512	1091	18100	0.85			
	1.47	3066	952	18100	0.98			
	1.68	2690	835	18100	1.12			
	1.82	2474	768	18100	1.21			
	2.08	2170	674	18100	1.38	LH97 R57		111
	2.38	1895	588	18100	1.58	LV97 R57	80	118
	2.80	1609	500	18100	1.87	LW97 R57		107
	3.21	1404	436	18100	2.14			
	3.65	1235	384	18100	2.43			
	4.18	1079	335	18100	2.78			
	4.77	945	293	18100	3.18			
	5.80	777	241	18100	3.86			
	2.68	1681	522	16900	0.89			
	2.84	1590	494	16900	0.94	LH87 R57		79
	3.18	1416	440	16900	1.06	LV87 R57	80	82
	3.71	1217	378	16900	1.23	LW87 R57		78
	4.49	1005	312	16900	1.49			
	2.93	1589	479	16900	0.94	LH87 R57		76

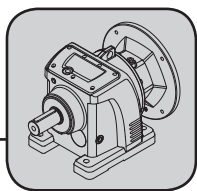
1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

Helical Gear Units



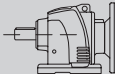
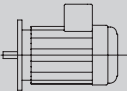
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	3.39	1369	412	16900	1.10	LV87 R57	80	80
	3.89	1196	360	16900	1.25	LW87 R57		76
	5.12	908	273	8620	0.83	LH77 R37		40
	5.99	776	234	8620	0.97	LV77 R37	80	46
	7.07	657	198	8620	1.14	LW77 R37		42
	6.95	689	201.38	16900	2.18			
	7.79	615	179.70	16900	2.18			
	8.69	551	161.11	16900	2.18	LH87		63
	10.19	470	137.42	16900	2.18	LV87	80	67
	11.46	418	122.17	16900	3.71	LW87		61
	12.44	385	112.52	16900	4.03			
	16.04	299	87.27	16900	5.19			
	7.19	667	194.80	8620	1.12			
	8.23	582	170.05	8620	1.29			
	9.10	527	153.87	8620	1.42			
	9.95	482	140.70	8620	1.56			
	11.26	426	124.34	8620	1.76			
	12.78	375	109.54	8620	2.00			
	15.59	307	89.80	8620	2.18	LH77		34
	16.54	290	84.62	8620	2.18	LV77	80	39
	19.17	250	73.05	8620	3.00	LW77		35
	24.25	198	57.73	8620	3.80			
	26.30	182	53.24	8620	4.12			
	29.85	161	46.90	8490	4.67			
	35.62	135	39.31	7995	4.96			
	37.80	127	37.04	7855	5.16			
	43.78	109	31.97	7520	5.69			
	7.00	684	199.88	7560	0.88			
	8.28	579	169.10	7560	1.04			
	9.27	517	151.03	7560	1.16			
	9.95	482	140.75	7560	1.25			
	11.17	429	125.28	7560	1.40			
	12.46	384	112.34	7560	1.56			
	14.19	338	98.69	7560	1.78			
	15.09	318	92.80	7560	1.89	LH67		28
	17.81	269	78.59	7560	2.18	LV67	80	25
	20.32	236	68.90	7560	2.18	LW67		23
	22.20	216	63.07	7560	2.18			
	24.04	199	58.23	7560	2.18			
	26.81	179	52.21	7560	2.18			
	30.52	157	45.87	7425	3.82			
	33.97	141	41.22	7110	3.55			
	36.12	133	38.75	6990	3.70			
	43.72	110	32.02	6695	5.08			
	48.66	98	28.77	6420	4.51			
	57.99	85	24.14	6145	5.95	LH67		27
						LV67	80	24
						LW67		23
	8.53	562	164.13	7110	0.80			
	9.90	484	141.40	7110	0.93			
	10.84	442	129.16	7110	1.02			
	12.40	386	112.90	7110	1.16			
	13.76	348	101.77	7110	1.29			
	15.23	315	91.91	7110	1.43			
	16.98	282	82.45	7110	1.59			
	17.58	273	79.65	7110	1.65			
	19.29	248	72.56	7110	1.81	LH57		22
	21.59	222	64.84	7110	2.03	LV57	80	24



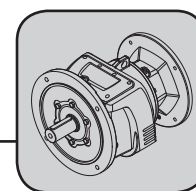
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

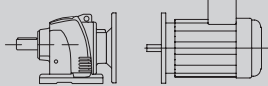
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	23.25	206	60.21	7040	2.18	LW57		23
	25.89	185	54.07	6845	2.18			
	30.32	158	46.18	6565	2.18			
	32.96	145	42.48	6420	2.18			
	36.70	131	38.14	6230	2.18			
	43.31	111	32.33	5860	3.28			
	50.70	95	27.61	5610	3.65			
	55.12	87	25.40	5480	3.86			
	61.38	78	22.81	5315	4.14			
	55.39	89	25.27	5530	4.29			
	59.44	83	23.55	5420	4.49	LH57	80	21
	66.78	74	20.96	5235	4.86	LV57		21
	74.47	66	18.80	5070	5.22	LW57		20
	90.15	55	15.53	4785	5.93			
	12.69	378	110.34	5420	0.79	LH47 LV47 LW47	80	20 19 18
	14.08	340	99.46	5420	0.88			
	15.59	307	89.82	5420	0.98			
	17.37	276	80.58	5420	1.09			
	17.99	266	77.84	5420	1.13			
	19.74	243	70.91	5420	1.24			
	22.09	217	63.37	5420	1.38			
	23.79	201	58.84	5420	1.49			
	26.50	181	52.84	5420	1.66			
	31.02	154	45.13	5420	1.94			
	33.73	142	41.51	5420	2.11			
	37.56	128	37.28	5420	2.18			
	43.98	109	31.83	5420	2.75			
	51.49	93	27.19	5420	3.22			
	55.98	86	25.01	5420	3.51	LH47 LV47 LW47	80	19 18 17
	62.34	77	22.46	5290	3.90			
	56.68	87	24.70	5420	3.44			
	60.82	81	23.02	5375	3.69			
	68.33	72	20.49	5195	4.15	LH37 LV37 LW37	80	14 13 12
	76.20	65	18.37	5030	4.63			
	92.25	54	15.18	4750	5.60			
	20.05	239	69.81	4465	0.84			
	23.01	208	60.84	4365	0.96	LH37 LV37 LW37	80	13 13 12
	25.91	185	54.03	4270	1.08			
	26.80	179	52.24	4175	1.12			
	31.81	151	44.01	4040	1.33			
	34.93	137	40.08	3965	1.46			
	40.08	120	34.93	3850	1.67			
	45.13	106	31.02	3750	1.88			
	54.07	89	25.89	3590	2.18			
	57.14	86	24.50	3560	2.18			
	63.39	78	22.09	3470	2.18			
	70.19	70	19.95	3380	2.18	MH17 MV17	80	9 8
	78.24	63	17.89	3280	2.18			
	88.90	56	15.75	3170	3.40			
	107.14	46	13.07	3010	3.93			
	119.32	41	11.73	2920	4.22			
	139.69	35	10.02	2790	4.68			
	164.77	30	8.50	2655	5.23			
	207.81	24	6.74	2470	5.60			
	47.69	100	29.36	1430	0.85			
	56.53	85	24.76	1480	1.00			
	71.10	67	19.69	1510	1.26			
	93.22	53	15.02	1500	1.35			

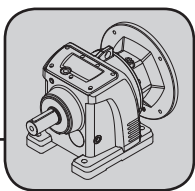
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

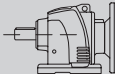
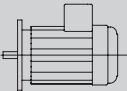
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
0.55 (0.74HP)	110.64	45	12.65	1490	1.50	MH17 MV17	9
	139.40	35	10.04	1450	1.72		8
	188.09	26	7.44	1390	2.07		
	280.41	18	4.99	1280	2.64		
	345.74	14	4.05	1220	3.00		
	255.94	20	5.47	2810	2.18	XH67	14
	282.83	18	4.95	2660	2.18		
	309.05	16	4.53	2630	2.18		
	397.73	13	3.52	2400	6.79		
	484.43	11	2.89	2280	9.14		
	514.71	10	2.72	2230	8.99		
	595.74	9	2.35	2130	9.58		
	752.69	7	1.86	1985	10.94		
	864.20	6	1.62	1895	11.19		
	307.69	17	4.55	2210	2.18	XH57	12
	345.68	15	4.05	2200	2.18		
	385.67	13	3.63	2075	4.93		
	438.87	12	3.19	2000	5.49		
	466.67	11	3.00	1965	5.65		
	627.80	8	2.23	1795	6.51		
	880.50	6	1.59	1620	7.36		
	1068.70	5	1.31	1540	8.78		
0.75 (1HP)	0.55	11159	2541	62700	1.16	MH147 R77 MV147 R77 MW147 R77	404
	0.60	10178	2318	62700	1.28		395
	0.71	8655	1971	62700	1.50		380
	0.78	7894	1798	62700	1.65		
	0.87	7101	1617	62700	1.83		
	0.97	6325	1440	62700	2.06		
	1.08	5673	1292	62700	2.29		
	1.18	5224	1190	62700	2.49		
	0.77	8011	1824	37500	0.87	MH137 R77 MV137 R77 MW137 R77	254
	0.82	7522	1713	37500	0.93		265
	0.89	6916	1575	37500	1.01		250
	1.03	5944	1354	37500	1.18		
	1.12	5482	1249	37500	1.28		
	0.78	7912	1802	37500	0.88	MH137 R77 MV137 R77 MW137 R77	263
	0.90	6802	1549	37500	1.03		275
	1.01	6101	1389	37500	1.15		259
	1.09	5618	1279	37500	1.25		
	1.30	4740	1080	37500	1.48		
	1.53	4029	918	37500	1.74		
	1.68	3661	834	37500	1.91		
	1.92	3196	728	37500	2.19		
	1.37	4483	1021	29500	0.96	MH107 R77 MV107 R77 MW107 R77	173
	1.64	3757	856	29500	1.14		176
	1.74	3540	806	29500	1.21		166
	1.48	4165	949	29500	1.03	MH107 R77 MV107 R77 MW107 R77	181
	1.76	3497	796	29500	1.23		185
	2.35	2616	596	29500	1.64		174
	2.85	2161	492	29500	1.99		
	3.37	1823	415	29500	2.36		
	4.02	1531	349	29500	2.81		
	2.08	2959	674	18100	1.01	LH97 R57 LV97 R57 LW97 R57	111
	2.38	2584	588	18100	1.16		118
	2.80	2194	500	18100	1.37		107
	3.21	1915	436	18100	1.57		
	3.65	1685	384	18100	1.78		
	4.18	1471	335	18100	2.04		

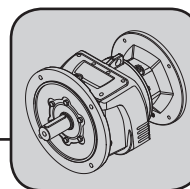


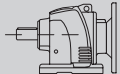
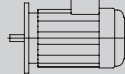
Helical Gear Units

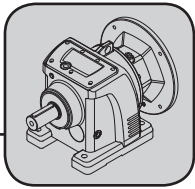
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.75 (1HP)	4.77	1288	293	18100	2.33			
	5.80	1060	241	18100	2.83			
	3.71	1659	378	16900	0.90	LH87 R57		79
	4.49	1370	312	16900	1.09	LV87 R57	80	82
	5.32	1156	263	16900	1.30	LW87 R57		78
	6.05	1016	231	16900	1.48			
	3.89	1630	360	16900	0.92	LH87 R57		76
	4.55	1394	308	16900	1.08	LV87 R57	80	80
	5.32	1191	263	16900	1.26	LW87 R57		78
	6.95	940	201.38	16900	1.60			
	7.79	839	179.70	16900	1.60			
	8.69	752	161.11	16900	1.60			
	10.19	641	137.42	16900	1.60			
	11.46	570	122.17	16900	2.72			
	12.44	525	112.52	16900	2.95	LH87		63
	16.04	407	87.27	16900	3.81	LV87	80	67
	19.55	334	71.60	16900	4.45	LW87		61
	21.95	298	63.77	16900	4.80			
	22.75	287	61.54	16900	4.92			
	25.54	256	54.81	16900	5.31			
	28.48	229	49.16	16900	5.71			
	7.19	909	194.80	8620	0.82			
	8.23	794	170.05	8620	0.95			
	9.10	718	153.87	8620	1.04			
	9.95	657	140.70	8620	1.14			
	11.26	580	124.34	8620	1.29			
	12.78	511	109.54	8620	1.47			
	15.59	419	89.80	8620	1.60	LH77		34
	16.54	395	84.62	8620	1.60	LV77	80	39
	19.17	341	73.05	8620	2.20	LW77		35
	24.25	269	57.73	8620	2.78			
	26.30	248	53.24	8605	3.02			
	29.85	219	46.90	8310	3.43			
	35.62	183	39.31	7820	3.64			
	37.80	173	37.04	7690	3.78			
	43.78	149	31.97	7375	4.17			
	55.40	118	25.27	6890	4.88			
	60.06	112	23.31	6770	5.89	LH77		32
						LV77	80	38
						LW77		34
	9.27	705	151.03	7560	0.85			
	9.95	657	140.75	7560	0.91			
	11.17	585	125.28	7560	1.03			
	12.46	524	112.34	7560	1.14			
	14.19	461	98.69	7560	1.30			
	15.09	433	92.80	7560	1.39			
	17.81	367	78.59	7560	1.60			
	20.32	322	68.90	7560	1.60	LH67		28
	22.20	294	63.07	7560	1.60	LV67	80	25
	24.04	272	58.23	7560	1.60	LW67		23
	26.81	244	52.21	7465	1.60			
	30.52	214	45.87	7220	2.80			
	33.97	192	41.22	6890	2.60			
	36.12	181	38.75	6785	2.71			
	43.72	149	32.02	6550	3.72			
	48.66	134	28.77	6270	3.31			
	61.14	107	22.90	5955	4.66			
	57.99	116	24.14	6035	4.36	LH67		



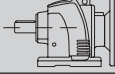
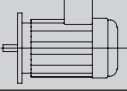
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.75 (1HP)	65.63	103	21.33	5820	4.73	LV67	80	24
	74.49	90	18.79	5610	5.15	LW67		23
	90.87	74	15.41	5290	5.88			
	12.40	527	112.90	7110	0.85			
	13.76	475	101.77	7110	0.95			
	15.23	429	91.91	7110	1.05			
	16.98	385	82.45	7110	1.17			
	17.58	372	79.65	7110	1.21			
	19.29	339	72.56	7010	1.33			
	21.59	303	64.84	6845	1.49	LH57		22
	23.25	281	60.21	6735	1.60	LV57	80	24
	25.89	252	54.07	6575	1.60	LW57		23
	30.32	216	46.18	6335	1.60			
	32.96	198	42.48	6205	1.60			
	36.70	178	38.14	6040	1.60			
	43.31	151	32.33	5665	2.41			
	50.70	129	27.61	5445	2.68			
	55.12	119	25.40	5325	2.83			
	61.38	106	22.81	5175	3.04			
	55.39	122	25.27	5400	3.14			
	59.44	113	23.55	5300	3.30	LH57		21
	66.78	101	20.96	5130	3.56	LV57	80	21
	74.47	90	18.80	4975	3.83	LW57		20
	90.15	75	15.53	4710	4.35			
	121.43	55	11.53	4310	5.31			
	17.37	376	80.58	5420	0.80			
	17.99	363	77.84	5420	0.83			
	19.74	331	70.91	5420	0.91			
	22.09	296	63.37	5420	1.01			
	23.79	275	58.84	5420	1.09			
	26.50	247	52.84	5420	1.22	LH47		20
	31.02	211	45.13	5420	1.42	LV47	80	19
	33.73	194	41.51	5420	1.55	LW47		18
	37.56	174	37.28	5420	1.60			
	43.98	149	31.83	5420	2.02			
	51.49	127	27.19	5415	2.36			
	55.98	117	25.01	5300	2.57			
	62.34	105	22.46	5150	2.86			
	56.68	119	24.70	5360	2.52			
	60.82	111	23.02	5255	2.71	LH47		19
	68.33	99	20.49	5090	3.04	LV47	80	18
	76.20	88	18.37	4935	3.39	LW47		17
	92.25	73	15.18	4670	4.11			
	124.25	54	11.27	4280	5.27			
	25.91	252	54.03	3935	0.79			
	26.80	244	52.24	3820	0.82			
	31.81	205	44.01	3745	0.97	LH37		14
	34.93	187	40.08	3695	1.07	LV37	80	13
	40.08	163	34.93	3615	1.23	LW37		12
	45.13	145	31.02	3540	1.38			
	54.07	121	25.89	3415	1.60			
	57.14	118	24.50	3405	1.60			
	63.39	106	22.09	3325	1.60			
	70.19	96	19.95	3250	1.60			
	78.24	86	17.89	3165	1.60			
	88.90	76	15.75	3070	2.50			
	107.14	63	13.07	2925	2.88	LH37		13
	119.32	56	11.73	2845	3.09	LV37	80	13

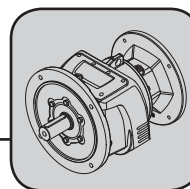


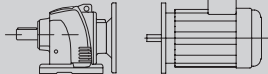
Helical Gear Units

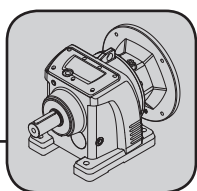
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.75 (1HP)	139.69	48	10.02	2725	3.44	LW37		12
	164.77	41	8.50	2600	3.83			
	207.81	32	6.74	2425	4.10			
	243.29	28	5.75	2315	4.56			
	286.98	23	4.88	2205	5.09			
	350.00	19	4.00	2080	5.81			
	71.10	92	19.69	1200	0.92	MH17 MV17	80	9 8
	93.22	72	15.02	1260	0.99	MH17 MV17	80	9 8
	110.64	61	12.65	1280	1.10			
	139.40	48	10.04	1290	1.26			
	188.09	36	7.44	1270	1.52			
	280.41	24	4.99	1200	1.94			
	345.74	19	4.05	1160	2.20			
	255.94	27	5.47	2760	1.60	XH67	80	14
	282.83	25	4.95	2590	1.60			
	309.05	22	4.53	2580	1.60			
	397.73	17	3.52	2350	4.98			
	484.43	14	2.89	2260	6.70			
	514.71	13	2.72	2200	6.59	XH57	80	12
	595.74	12	2.35	2105	7.02			
	752.69	9	1.86	1965	8.02			
	864.20	8	1.62	1880	8.20			
	307.69	23	4.55	2150	1.60			
	345.68	20	4.05	2160	1.60			
	385.67	18	3.63	2020	3.61			
	438.87	16	3.19	1950	4.03			
	466.67	15	3.00	1915	4.15			
	627.80	11	2.23	1760	4.77			
	880.50	8	1.59	1595	5.40			
	1068.70	6	1.31	1525	6.44			
1.1 (1.5HP)	0.60	14928	2318	62700	0.87	MH147 R77 MV147 R77 MW147 R77	90	404 395 380
	0.71	12694	1971	62700	1.02			
	0.78	11578	1798	62700	1.12			
	0.87	10415	1617	62700	1.25			
	0.97	9276	1440	62700	1.40			
	1.08	8321	1292	62700	1.56	MH137 R77 MV137 R77 MW137 R77	90	254 265 250
	1.18	7661	1190	62700	1.70			
	1.39	6465	1004	62700	2.01			
	1.67	5403	839	62700	2.41			
	1.96	4609	716	62700	2.82			
	1.03	8718	1354	37500	0.80	MH137 R77 MV137 R77 MW137 R77	90	263 275 259
	1.12	8041	1249	37500	0.87			
	1.27	7084	1100	37500	0.99			
	1.52	5936	922	37500	1.18			
	1.61	5594	869	37500	1.25			
	1.09	8239	1279	37500	0.85	MH137 R77 MV137 R77 MW137 R77	90	173 176 166
	1.30	6952	1080	37500	1.01			
	1.53	5910	918	37500	1.18			
	1.68	5369	834	37500	1.30			
	1.92	4688	728	37500	1.49			
	2.06	4367	678	37500	1.60			
	2.50	3606	560	37500	1.94			
	2.96	3043	473	37500	2.30			
	2.01	4482	696	29500	0.96	MH107 R77 MV107 R77 MW107 R77	90	
	2.35	3837	596	29500	1.12			



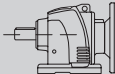
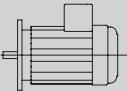
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
1.1 (1.5HP)	2.85	3169	492	29500	1.36	MH107 R77	181
	3.37	2674	415	29500	1.61	MV107 R77	185
	4.02	2245	349	29500	1.92	MW107 R77	174
	4.66	1935	300	29500	2.22		
	5.52	1632	253	29500	2.63		
	3.10	3000	452	18100	1.00		
	3.68	2526	380	18100	1.19	LH97 R57	109
	4.17	2228	336	18100	1.35	LV97 R57	113
	4.92	1887	284	18100	1.59	LW97 R57	102
	5.72	1625	245	18100	1.85		
	6.15	1510	228	18100	1.99		
	5.32	1696	263	16900	0.88	LH87 R57	79
	6.05	1490	231	16900	1.01	LV87 R57	82
	6.99	1290	200	16900	1.16	LW87 R57	78
	5.32	1747	263	16900	0.86	LH87 R57	79
	6.12	1518	229	16900	0.99	LV87 R57	80
	6.93	1341	202	16900	1.12	LW87 R57	76
	6.95	1378	201.38	16900	1.09		
	7.79	1230	179.70	16900	1.09		
	8.69	1103	161.11	16900	1.09		
	10.19	941	137.42	16900	1.09		
	11.46	836	122.17	16900	1.85		
	12.44	770	112.52	16900	2.01		
	16.04	597	87.27	16900	2.59		
	19.55	490	71.60	16900	3.03	LH87	63
	21.95	437	63.77	16900	3.27	LV87	67
	22.75	421	61.54	16900	3.35	LW87	61
	25.54	375	54.81	16900	3.62		
	28.48	337	49.16	16900	3.89		
	30.93	310	45.27	16900	4.12		
	36.65	261	38.20	16900	4.61		
	44.12	217	31.73	16640	4.37		
	57.64	166	24.29	15325	5.23		
	69.79	137	20.06	14435	5.94		
	11.26	851	124.34	8620	0.88		
	12.78	750	109.54	8620	1.00		
	15.59	615	89.80	8620	1.09		
	16.54	579	84.62	8620	1.09		
	19.17	500	73.05	8620	1.50	LH77	34
	24.25	395	57.73	8410	1.90	LV77	39
	26.30	364	53.24	8250	2.06	LW77	35
	29.85	321	46.90	7995	2.34		
	35.62	269	39.31	7515	2.48		
	37.80	254	37.04	7405	2.58		
	43.78	219	31.97	7130	2.85		
	55.40	173	25.27	6695	3.33		
	60.06	164	23.31	6610	4.02	LH77	32
	77.44	128	18.08	6145	4.76	LV77	38
	94.38	105	14.83	5800	5.43	LW77	34
	105.97	93	13.21	5600	5.86		
	14.19	676	98.69	7560	0.89		
	15.09	635	92.80	7560	0.94		
	17.81	538	78.59	7560	1.09		
	20.32	472	68.90	7445	1.09		
	22.20	432	63.07	7040	1.09		
	24.04	399	58.23	7210	1.09	LH67	28
	26.81	357	52.21	7050	1.09	LV67	25
	30.52	314	45.87	6855	1.91	LW67	23



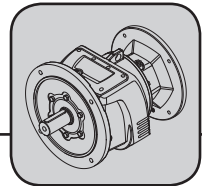
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

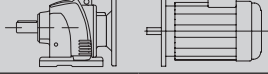
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.1 (1.5HP)	33.97	282	41.22	6505	1.77			
	36.12	265	38.75	6420	1.85			
	43.72	219	32.02	6300	2.54			
	48.66	197	28.77	6000	2.25			
	61.14	157	22.90	5775	3.17			
	57.99	170	24.14	5840	2.97	LH67 LV67 LW67	90	27 24 23
	65.63	151	21.33	5650	3.23			
	74.49	133	18.79	5460	3.51			
	90.87	109	15.41	5165	4.01			
	111.70	88	12.53	4870	4.60			
	141.35	70	9.90	4545	5.38			
	16.98	564	82.45	6465	0.80	LH57 LV57 LW57	90	22 24 23
	17.58	545	79.65	6440	0.83			
	19.29	497	72.56	6370	0.91			
	21.59	444	64.84	6275	1.01			
	23.25	412	60.21	6210	1.09			
	25.89	370	54.07	6100	1.09			
	30.32	316	46.18	5930	1.09			
	32.96	291	42.48	5835	1.09			
	36.70	261	38.14	5705	1.09			
	43.31	221	32.33	5325	1.64			
	50.70	189	27.61	5150	1.82			
	55.12	174	25.40	5060	1.93			
	61.38	156	22.81	4935	2.07			
	55.39	178	25.27	5175	2.14	LH57 LV57 LW57	90	21 21 20
	59.44	166	23.55	5085	2.25			
	66.78	148	20.96	4940	2.43			
	74.47	133	18.80	4805	2.61			
	90.15	110	15.53	4565	2.97			
	121.43	81	11.53	4205	3.62			
	169.82	58	8.24	3820	4.52			
	203.08	49	6.89	3585	4.46	LH47 LV47 LW47	90	20 19 18
	284.01	35	4.93	3250	5.58			
	26.50	362	52.84	5420	0.83			
	31.02	309	45.13	5420	0.97			
	33.73	284	41.51	5420	1.06			
	37.56	255	37.28	5420	1.09			
	43.98	218	31.83	5295	1.38			
	51.49	186	27.19	5125	1.61	LH47 LV47 LW47	90	19 18 17
	55.98	171	25.01	5030	1.75			
	62.34	154	22.46	4910	1.95			
	56.68	174	24.70	5130	1.72			
	60.82	162	23.02	5045	1.85			
	68.33	145	20.49	4900	2.08			
	76.20	130	18.37	4765	2.31			
	92.25	107	15.18	4530	2.80	LH37 LV37 LW37	90	14 13 12
	124.25	80	11.27	4175	3.60			
	173.77	57	8.06	3790	4.50			
	206.25	48	6.79	3565	4.45			
	288.44	34	4.85	3230	5.56			
	40.08	239	34.93	3205	0.84			
	45.13	212	31.02	3175	0.94			
	54.07	177	25.89	3110	1.09			
	57.14	173	24.50	3125	1.09			
	63.39	156	22.09	3075	1.09			
	70.19	141	19.95	3025	1.09			
	78.24	126	17.89	2965	1.09			
	88.90	111	15.75	2890	1.70			

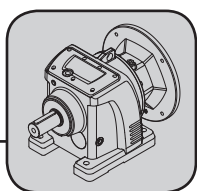
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

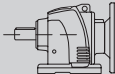
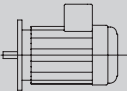
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
1.1 (1.5HP)	107.14	92	13.07	2775	1.96	LH37	13
	119.32	83	11.73	2710	2.11	LV37	13
	139.69	71	10.02	2610	2.34	LW37	12
	164.77	60	8.50	2505	2.61		
	207.81	48	6.74	2340	2.80		
	243.29	41	5.75	2245	3.11		
	286.98	34	4.88	2145	3.47		
	350.00	28	4.00	2030	3.96		
	233.33	44	6.00	4970	2.40		
	273.44	37	5.12	4720	2.76	XH77	20
	295.36	34	4.74	4490	3.55		
	309.05	33	4.53	2500	1.09		
	397.73	26	3.52	2270	3.40		
	484.43	21	2.89	2200	4.57		
	514.71	20	2.72	2145	4.49	XH67	14
	595.74	17	2.35	2055	4.79		
	752.69	14	1.86	1930	5.47		
	864.20	12	1.62	1845	5.59		
	1000.00	10	1.40	1770	6.01		
	345.68	29	4.05	2080	1.09		
	385.67	26	3.63	1920	2.46		
	438.87	23	3.19	1860	2.75		
	466.67	22	3.00	1835	2.83	XH57	12
	627.80	16	2.23	1700	3.25		
	880.50	12	1.59	1545	3.68		
	1068.70	10	1.31	1495	4.39		
1.5 (2HP)	2.72	4525	515	62700	2.87	MH147 R87	382
	3.17	3884	442	62700	3.35	MV147 R87	374
	3.47	3543	403	62700	3.67	MW147 R87	358
	0.78	15788	1798	62700	0.82		
	0.87	14203	1617	62700	0.92		
	0.97	12649	1440	62700	1.03		
	1.08	11347	1292	62700	1.15		
	1.18	10447	1190	62700	1.24	MH147 R77	404
	1.39	8816	1004	62700	1.47	MV147 R77	395
	1.67	7368	839	62700	1.76	MW147 R77	380
	1.96	6284	716	62700	2.07		
	2.22	5537	630	62700	2.35		
	2.69	4563	520	62700	2.85		
	1.52	8095	922	37500	0.86	MH137 R77	254
	1.61	7628	869	37500	0.92	MV137 R77	265
	1.87	6585	750	37500	1.06	MW137 R77	250
	2.03	6054	689	37500	1.16		
	1.53	8058	918	37500	0.87		
	1.68	7322	834	37500	0.96		
	1.92	6392	728	37500	1.10		
	2.06	5954	678	37500	1.18	MH137 R77	263
	2.50	4918	560	37500	1.42	MV137 R77	275
	2.96	4150	473	37500	1.69	MW137 R77	259
	3.22	3815	434	37500	1.83		
	3.79	3243	369	37500	2.16		
	4.39	2798	319	37500	2.50		
	2.85	4321	492	29500	1.00	MH107 R77	181
						MV107 R77	185
						MW107 R77	174
	3.17	3994	441	29500	1.08	MH107 R77	171
	3.56	3562	393	29500	1.21	MV107 R77	174
	4.18	3034	335	29500	1.42	MW107 R77	163

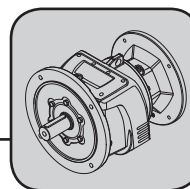


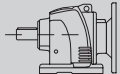
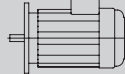
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.5 (2HP)	4.17	3038	336	18100	0.99	LH97 R57	90	109
	4.92	2574	284	18100	1.17	LV97 R57		113
	5.72	2216	245	18100	1.35	LW97 R57		102
	6.15	2060	228	18100	1.46			
	6.95	1880	201.38	16900	0.80	LH87 LV87 LW87	90	63 67 61
	7.79	1677	179.70	16900	0.80			
	8.69	1504	161.11	16900	0.80			
	10.19	1283	137.42	16900	0.80			
	11.46	1140	122.17	16900	1.36			
	12.44	1050	112.52	16900	1.48			
	16.04	815	87.27	16900	1.90			
	19.55	668	71.60	16900	2.22			
	21.95	595	63.77	16900	2.40			
	22.75	574	61.54	16900	2.46			
	25.54	512	54.81	16900	2.66			
	28.48	459	49.16	16900	2.86			
	30.93	423	45.27	16900	3.02			
	36.65	357	38.20	16900	3.38			
	44.12	296	31.73	16395	3.21			
	57.64	227	24.29	15135	3.83			
	69.79	187	20.06	14280	4.35	LH87 LV87 LW87	90	60 65 59
	61.34	220	22.83	14930	4.62			
	70.59	191	19.83	14295	5.07			
	79.95	169	17.51	13750	5.51	LH77 LV77 LW77	90	34 39 35
	15.59	838	89.80	8570	0.80			
	16.54	790	84.62	8500	0.80			
	19.17	682	73.05	8310	1.10			
	24.25	539	57.73	7965	1.39			
	26.30	497	53.24	7840	1.51			
	29.85	438	46.90	7635	1.71			
	35.62	367	39.31	7165	1.82			
	37.80	346	37.04	7075	1.89			
	43.78	298	31.97	6845	2.09	LH77 LV77 LW77	90	32 38 34
	55.40	236	25.27	6470	2.44			
	60.06	224	23.31	6425	2.95			
	77.44	174	18.08	6000	3.49			
	94.38	143	14.83	5680	3.98			
	105.97	127	13.21	5495	4.30			
	118.14	114	11.85	5330	4.62			
	128.31	105	10.91	5200	4.89			
	152.06	89	9.21	4950	5.47	LH67 LV67 LW67	90	28 25 23
	17.81	734	78.59	6905	0.80			
	20.32	643	68.90	6825	0.80			
	22.20	589	63.07	6365	0.80			
	24.04	543	58.23	6685	0.80			
	26.81	487	52.21	6580	0.80			
	30.52	428	45.87	6440	1.40			
	33.97	385	41.22	6065	1.30			
	36.12	362	38.75	6010	1.36			
	43.72	299	32.02	6010	1.86			
	48.66	269	28.77	5695	1.65			
	61.14	214	22.90	5570	2.33			
	57.99	232	24.14	5615	2.18	LH67 LV67 LW67	90	27 24 23
	65.63	205	21.33	5450	2.37			
	74.49	181	18.79	5280	2.58			
	90.87	148	15.41	5020	2.94			
	111.70	121	12.53	4750	3.37			
	141.35	95	9.90	4450	3.95			

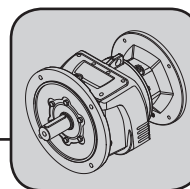


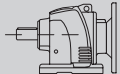
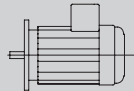
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.5 (2HP)	230.90	58	6.06	3825	4.53			
	267.48	50	5.23	3660	5.00			
	338.46	40	4.14	3415	5.84			
	23.25	562	60.21	5605	0.80			
	25.89	505	54.07	5560	0.80			
	30.32	431	46.18	5465	0.80			
	32.96	396	42.48	5405	0.80	LH57		22
	36.70	356	38.14	5325	0.80	LV57	90	24
	43.31	302	32.33	4935	1.20	LW57		23
	50.70	258	27.61	4820	1.34			
	55.12	237	25.40	4755	1.41			
	61.38	213	22.81	4660	1.52			
	55.39	243	25.27	4910	1.57			
	59.44	227	23.55	4840	1.65			
	66.78	202	20.96	4720	1.78			
	74.47	181	18.80	4610	1.92	LH57		21
	90.15	149	15.53	4405	2.18	LV57	90	21
	121.43	111	11.53	4090	2.65	LW57		20
	169.82	79	8.24	3735	3.32			
	203.08	66	6.89	3500	3.27			
	284.01	47	4.93	3185	4.09			
	345.18	39	4.06	3015	4.66			
	37.56	348	37.28	5280	0.80			
	43.98	297	31.83	4910	1.01	LH47		20
	51.49	254	27.19	4795	1.18	LV47	90	19
	55.98	233	25.01	4730	1.29	LW47		18
	62.34	210	22.46	4640	1.43			
	56.68	238	24.70	4870	1.26			
	60.82	221	23.02	4800	1.35			
	68.33	197	20.49	4685	1.52			
	76.20	177	18.37	4570	1.70	LH47		19
	92.25	146	15.18	4370	2.05	LV47	90	18
	124.25	108	11.27	4055	2.64	LW47		17
	173.77	78	8.06	3705	3.30			
	206.25	65	6.79	3480	3.26			
	288.44	47	4.85	3170	4.08			
	350.58	38	3.99	2995	4.65			
	54.07	242	25.89	2760	0.80	LH37		14
						LV37	90	13
						LW37		12
	57.14	236	24.50	2810	0.80			
	63.39	213	22.09	2790	0.80			
	70.19	192	19.95	2765	0.80			
	78.24	172	17.89	2735	1.09			
	88.90	152	15.75	2685	1.25	LH37		13
	107.14	126	13.07	2610	1.44	LV37	90	13
	119.32	113	11.73	2560	1.55	LW37		12
	139.69	96	10.02	2480	1.72			
	164.77	82	8.50	2395	1.92			
	207.81	65	6.74	2250	2.05			
	243.29	55	5.75	2165	2.28			
	286.98	47	4.88	2080	2.55			
	350.00	38	4.00	1975	2.91			
	233.33	60	6.00	4910	0.80			
	273.44	51	5.12	4660	0.80			
	295.36	47	4.74	4390	2.60			
	307.69	45	4.55	4350	2.94			
	334.13	42	4.19	4240	3.43	XH77	90	20

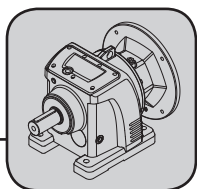


1400 Input Rpm

3



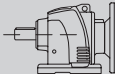
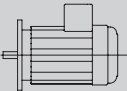
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
2.2 (3HP)						LW97 R57	110
	7.03	2725	199.06	18100	1.10		
	7.73	2479	181.06	18100	1.21		
	8.42	2277	166.33	18100	1.32		
	9.69	1979	144.53	18100	1.52		
	10.97	1747	127.61	18100	1.72		
	12.56	1525	111.42	18100	1.97		
	14.32	1338	97.76	18100	2.24		
	14.80	1295	94.59	18100	2.32	LH97	99
	16.40	1168	85.35	18100	2.57	LV97	106
	16.95	1131	82.59	18100	2.65	LW97	114
	18.02	1064	77.70	18100	2.82		
	19.32	992	72.46	18100	3.02		
	20.99	913	66.71	18100	3.29		
	22.13	866	63.27	18100	3.46		
	23.52	815	59.52	18100	3.68		
	27.40	700	51.10	18100	4.29		
	31.41	610	44.57	18100	4.67		
	37.00	518	37.84	18100	5.33		
	42.42	466	33.00	18100	5.98	LH97	95
						LV97	102
						LW97	93
	11.46	1673	122.17	16900	0.93		
	12.44	1540	112.52	16900	1.01		
	16.04	1195	87.27	16900	1.30		
	19.55	980	71.60	16900	1.52		
	21.95	873	63.77	16900	1.64		
	22.75	842	61.54	16900	1.68	LH87	66
	25.54	750	54.81	16900	1.81	LV87	70
	28.48	673	49.16	16900	1.95	LW87	64
	30.93	620	45.27	16900	2.06		
	36.65	523	38.20	16900	2.30		
	44.12	434	31.73	15970	2.19		
	57.64	333	24.29	14810	2.61		
	69.79	275	20.06	14010	2.97		
	61.34	322	22.83	14650	3.15		
	70.59	280	19.83	14055	3.46		
	79.95	247	17.51	13540	3.76		
	91.56	216	15.29	12995	4.12	LH87	63
	107.86	183	12.98	12365	4.59	LV87	68
	123.53	160	11.33	11860	5.02	LW87	62
	131.30	150	10.66	11635	5.23		
	152.94	129	9.15	11095	5.79		
	206.60	96	6.78	10055	5.94		
	24.25	790	57.73	7190	0.95		
	26.30	729	53.24	7120	1.03		
	29.85	642	46.90	7000	1.17	LH77	37
	35.62	538	39.31	6560	1.24	LV77	41
	37.80	507	37.04	6500	1.29	LW77	37
	43.78	438	31.97	6350	1.42		
	55.40	346	25.27	6080	1.66		
	60.06	329	23.31	6100	2.01		
	77.44	255	18.08	5750	2.38		
	94.38	209	14.83	5475	2.71		
	105.97	186	13.21	5315	2.93	LH77	35
	118.14	167	11.85	5165	3.15	LV77	41
	128.31	154	10.91	5050	3.33	LW77	37
	152.06	130	9.21	4820	3.73		

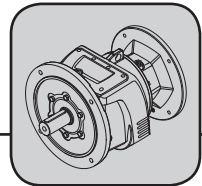


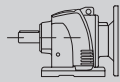
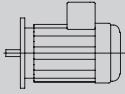
Helical Gear Units

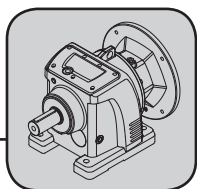
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
2.2 (3HP)	242.11	82	5.78	4180	4.31			
	293.14	67	4.78	3955	4.90			
	347.40	57	4.03	3765	5.49			
	30.52	628	45.87	5715	0.96			
	33.97	564	41.22	5295	0.89	LH67	100	31
	36.12	531	38.75	5285	0.92	LV67		29
	43.72	438	32.02	5500	1.27	LW67		27
	48.66	394	28.77	5155	1.13			
	61.14	313	22.90	5205	1.59			
	57.99	341	24.14	5220	1.49			
	65.63	301	21.33	5100	1.61			
	74.49	265	18.79	4975	1.76			
	90.87	217	15.41	4770	2.00	LH67	100	30
	111.70	177	12.53	4545	2.30	LV67		28
	141.35	140	9.90	4290	2.69	LW67		26
	230.90	86	6.06	3705	3.09			
	267.48	74	5.23	3560	3.41			
	338.46	58	4.14	3335	3.98			
	43.31	443	32.33	4255	0.82	LH57	100	25
	50.70	378	27.61	4235	0.91	LV57		28
	55.12	348	25.40	4215	0.96	LW57		26
	61.38	312	22.81	4180	1.04			
	55.39	357	25.27	4455	1.07			
	59.44	332	23.55	4415	1.12			
	66.78	296	20.96	4345	1.21			
	74.47	265	18.80	4270	1.31	LH57	100	24
	90.15	219	15.53	4125	1.48	LV57		25
	121.43	163	11.53	3880	1.81	LW57		23
	169.82	116	8.24	3585	2.26			
	203.08	97	6.89	3350	2.23			
	284.01	70	4.93	3080	2.79			
	345.18	57	4.06	2925	3.18			
	51.49	372	27.19	4215	0.81	LH47	100	23
	55.98	342	25.01	4195	0.88	LV47		21
	62.34	307	22.46	4160	0.98	LW47		21
	56.68	349	24.70	4415	0.86			
	60.82	325	23.02	4380	0.92			
	68.33	289	20.49	4305	1.04			
	76.20	259	18.37	4235	1.16	LH47	100	22
	92.25	214	15.18	4090	1.40	LV47		21
	124.25	159	11.27	3850	1.80	LW47		20
	173.77	114	8.06	3560	2.25			
	206.25	96	6.79	3330	2.22			
	288.44	68	4.85	3065	2.78			
	350.58	56	3.99	2910	3.17			
	88.90	222	15.75	2330	0.85			
	107.14	184	13.07	2315	0.98			
	119.32	166	11.73	2295	1.05			
	139.69	141	10.02	2255	1.17	LH37	100	14
	164.77	120	8.50	2205	1.31	LV37		14
	207.81	95	6.74	2085	1.40	LW37		14
	243.29	81	5.75	2025	1.55			
	286.98	69	4.88	1960	1.74			
	350.00	56	4.00	1880	1.98			
	295.36	69	4.74	3890	1.77			
	307.69	66	4.55	3910	2.01			
	334.13	61	4.19	3860	2.34			
	373.33	55	3.75	3900	2.80			



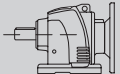
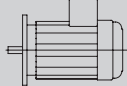
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
2.2 (3HP)	430.77	47	3.25	3950	3.57	XH77	100	23
	524.34	39	2.67	3620	3.41			
	588.24	35	2.38	3565	3.89			
	657.28	31	2.13	3465	4.21			
	714.29	29	1.96	3335	4.03			
	843.37	24	1.66	3170	4.28			
	397.73	51	3.52	1790	1.70	XH67	100	17
	484.43	42	2.89	1970	2.29			
	514.71	40	2.72	1905	2.25			
	595.74	34	2.35	1895	2.39			
	752.69	27	1.86	1820	2.74			
	864.20	24	1.62	1735	2.80			
	1000.00	20	1.40	1680	3.01			
	438.87	46	3.19	990	1.37	XH57	100	15
	466.67	44	3.00	1030	1.41			
	627.80	32	2.23	1165	1.63			
	880.50	23	1.59	1205	1.84			
	1068.70	19	1.31	1315	2.20			
3 (4HP)	1.15	21352	1216	88200	0.84	MH167 R97 MV167 R97	100	609
	1.36	18133	1032	88200	0.99			608
	1.50	16391	933	88200	1.10			
	1.70	14482	825	88200	1.24			
	1.88	13091	745	88200	1.37			
	2.12	11578	659	88200	1.55			
	2.54	9680	551	88200	1.86	MH147 R87 MV147 R87 MW147 R87	100	385
	2.72	9049	515	62700	1.44			376
	3.17	7769	442	62700	1.67			361
	3.47	7086	403	62700	1.83			
	3.84	6403	365	62700	2.03			
	4.18	5876	335	62700	2.21			
	4.87	5045	287	62700	2.58	MH147 R77 MV147 R77 MW147 R77	100	406
	2.69	9127	520	62700	1.42			398
	3.26	7538	429	62700	1.72			382
	2.96	8300	473	37500	0.84	MH137 R77 MV137 R77 MW137 R77	100	266
	3.22	7631	434	37500	0.92			277
	3.79	6486	369	37500	1.08			261
	4.39	5596	319	37500	1.25			
	4.94	4980	284	37500	1.41			
	5.87	4186	238	37500	1.67			
	3.59	7058	390	37500	0.99	MH137 R77 MV137 R77 MW137 R77	100	255
								266
								250
	5.52	4452	253	29500	0.97	MH107 R77 MV107 R77 MW107 R77	100	184
	6.55	3752	214	29500	1.15			187
	7.42	3315	189	29500	1.30			177
	5.90	4300	237	29500	1.00	MH107 R77 MV107 R77 MW107 R77	100	173
								177
								166
	7.03	3716	199.06	18100	0.81	LH97		99
	7.73	3380	181.06	18100	0.89			
	8.42	3105	166.33	18100	0.97			
	9.69	2698	144.53	18100	1.11			
	10.97	2382	127.61	18100	1.26			
	12.56	2080	111.42	18100	1.44			
	14.32	1825	97.76	18100	1.64			
	14.80	1766	94.59	18100	1.70			
	16.40	1593	85.35	18100	1.88			



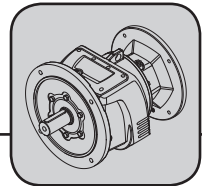
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

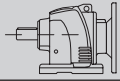
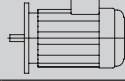
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
3 (4HP)	16.95	1542	82.59	18100	1.95	LV97 LW97	100	106
	18.02	1451	77.70	18100	2.07			114
	19.32	1353	72.46	18100	2.22			
	20.99	1245	66.71	18100	2.41			
	22.13	1181	63.27	18100	2.54			
	23.52	1111	59.52	18100	2.70			
	27.40	954	51.10	18100	3.14			
	31.41	832	44.57	18100	3.42			
	37.00	706	37.84	18100	3.91			
	48.30	541	28.98	18100	4.67			
	55.32	472	25.31	18100	5.11			
	42.42	635	33.00	18100	4.38	LH97	100	95
	48.11	560	29.10	18100	4.86	LV97		102
						LW97		93
	16.04	1629	87.27	16900	0.95	LH87 LV87 LW87	100	
	19.55	1337	71.60	16900	1.11			
	21.95	1190	63.77	16900	1.20			
	22.75	1149	61.54	16900	1.23			
	25.54	1023	54.81	16900	1.33			66
	28.48	918	49.16	16900	1.43			70
	30.93	845	45.27	16900	1.51			64
	36.65	713	38.20	16510	1.69			
	44.12	592	31.73	15475	1.60			
	57.64	453	24.29	14435	1.92			
	69.79	374	20.06	13700	2.18			
	61.34	439	22.83	14340	2.31	LH87 LV87 LW87	100	
	70.59	382	19.83	13785	2.54			
	79.95	337	17.51	13300	2.76			
	91.56	294	15.29	12785	3.02			
	107.86	250	12.98	12185	3.37			63
	123.53	218	11.33	11700	3.68			68
	131.30	205	10.66	11490	3.84			62
	152.94	176	9.15	10970	4.25			
	206.60	130	6.78	9945	4.35			
	243.37	111	5.75	9455	4.86			
	296.26	91	4.73	8895	5.54			
	29.85	876	46.90	6280	0.86	LH77 LV77 LW77	100	37
	35.62	734	39.31	5860	0.91			41
	37.80	691	37.04	5845	0.95			37
	43.78	597	31.97	5785	1.04			
	55.40	472	25.27	5635	1.22			
	60.06	449	23.31	5730	1.47	LH77 LV77 LW77	100	
	77.44	348	18.08	5465	1.74			
	94.38	285	14.83	5240	1.99			
	105.97	254	13.21	5105	2.15			35
	118.14	228	11.85	4975	2.31			41
	128.31	210	10.91	4875	2.44			37
	152.06	177	9.21	4675	2.74			
	242.11	111	5.78	4075	3.16			
	293.14	92	4.78	3870	3.59			
	347.40	78	4.03	3690	4.03			
	43.72	598	32.02	4925	0.93	LH67	100	31
	48.66	537	28.77	4540	0.83	LV67		29
	61.14	427	22.90	4790	1.16	LW67		27
	57.99	465	24.14	4770	1.09	LH67		
	65.63	411	21.33	4705	1.18			
	74.49	362	18.79	4625	1.29			
	90.87	297	15.41	4480	1.47			30

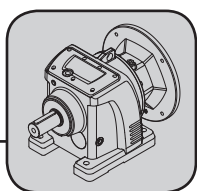
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

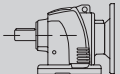
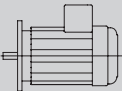
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
3 (4HP)	111.70	241	12.53	4315	1.69	LV67 LW67	28
	141.35	191	9.90	4105	1.97		26
	230.90	117	6.06	3570	2.26		
	267.48	101	5.23	3445	2.50		
	338.46	80	4.14	3245	2.92		
	59.44	453	23.55	3930	0.82	LH57 LV57 LW57	24
	66.78	403	20.96	3910	0.89		25
	74.47	362	18.80	3880	0.96		23
	90.15	299	15.53	3805	1.09		
	121.43	222	11.53	3640	1.33		
	169.82	159	8.24	3415	1.66		
	203.08	133	6.89	3180	1.64		
	284.01	95	4.93	2955	2.05		
	345.18	78	4.06	2825	2.33		
	76.20	354	18.37	3845	0.85	LH47 LV47 LW47	22
	92.25	292	15.18	3770	1.03		21
	124.25	217	11.27	3610	1.32		20
	173.77	155	8.06	3390	1.65		
	206.25	131	6.79	3160	1.63		
	288.44	93	4.85	2940	2.04		
	350.58	77	3.99	2810	2.32		
	139.69	193	10.02	1995	0.86	LH37 LV37 LW37	14
	164.77	164	8.50	1985	0.96		14
	207.81	130	6.74	1895	1.03		14
	243.29	111	5.75	1865	1.14		
	286.98	94	4.88	1825	1.27		
	350.00	77	4.00	1765	1.45	XH87	37
	254.55	109	5.50	5110	1.94		
	288.66	96	4.85	4950	2.25		
	316.03	88	4.43	4800	3.29		
	371.35	75	3.77	4690	4.08		
	295.36	94	4.74	3070	1.30	XH77	23
	307.69	90	4.55	3140	1.47		
	334.13	83	4.19	3130	1.72		
	373.33	74	3.75	3260	2.05		
	430.77	64	3.25	3480	2.62		
	397.73	70	3.52	1150	1.25	XH67	17
	484.43	57	2.89	1480	1.68		
	514.71	54	2.72	1415	1.65		
	595.74	47	2.35	1455	1.76		
	752.69	37	1.86	1535	2.01		
	864.20	32	1.62	1495	2.05		
	1000.00	28	1.40	1505	2.21		
	438.87	63	3.19	240	1.01	XH57	15
	466.67	60	3.00	315	1.04		
	627.80	44	2.23	605	1.19		
	880.50	32	1.59	760	1.35		
	1068.70	26	1.31	965	1.61		
4 (5.4HP)	1.70	19310	825	88200	0.93	MH167 R97 MV167 R97	609
	1.88	17455	745	88200	1.03		608
	2.12	15437	659	88200	1.17		
	2.54	12906	551	88200	1.39		
	2.93	11196	478	88200	1.61		
	3.41	9619	411	88200	1.87		
	3.70	8863	378	88200	2.03		
	2.72	12066	515	62700	1.08		
	3.17	10358	442	62700	1.26		
	3.47	9448	403	62700	1.38		



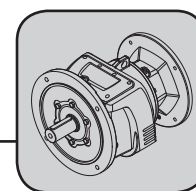
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

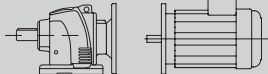
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
4 (5.4HP)	3.84	8537	365	62700	1.52	MH147 R87		385
	4.18	7835	335	62700	1.66	MV147 R87	112	376
	4.87	6726	287	62700	1.93	MW147 R87		361
	5.72	5737	245	62700	2.27			
	6.59	4978	213	62700	2.61			
	7.67	4273	182	62700	3.04			
	8.28	3961	169	62700	3.28			
	2.69	12169	520	62700	1.07	MH147 R77		406
	3.26	10050	429	62700	1.29	MV147 R77	112	398
						MW147 R77		382
	3.79	8648	369	37500	0.81	MH137 R77		266
	4.39	7461	319	37500	0.94	MV137 R77	112	277
	4.94	6640	284	37500	1.05	MW137 R77		261
	5.87	5582	238	37500	1.25			
	4.02	8398	348	37500	0.83	MH137 R77		255
	4.52	7480	310	37500	0.94	MV137 R77	112	266
	4.92	6877	285	37500	1.02	MW137 R77		250
	7.42	4420	189	29500	0.97	MH107 R77		184
						MV107 R77	112	187
						MW107 R77		177
	7.37	4586	190	29500	0.94	MH107 R77		173
	8.22	4113	170	29500	1.05	MV107 R77	112	177
						MW107 R77		166
	9.69	3597	144.53	18100	0.83			
	10.97	3176	127.61	18100	0.94			
	12.56	2773	111.42	18100	1.08			
	14.32	2433	97.76	18100	1.23			
	14.80	2354	94.59	18100	1.27			
	16.40	2124	85.35	18100	1.41			
	16.95	2056	82.59	18100	1.46			
	18.02	1934	77.70	18100	1.55	LH97		99
	19.32	1804	72.46	18100	1.66	LV97	112	106
	20.99	1660	66.71	18100	1.81	LW97		114
	22.13	1575	63.27	18100	1.91			
	23.52	1482	59.52	18100	2.02			
	27.40	1272	51.10	18100	2.36			
	31.41	1109	44.57	18100	2.57			
	37.00	942	37.84	18100	2.93			
	48.30	721	28.98	18100	3.50			
	55.32	630	25.31	18100	3.83			
	42.42	847	33.00	18100	3.29	LH97		95
	48.11	747	29.10	18100	3.64	LV97	112	102
	65.94	545	21.23	18100	4.71	LW97		93
	82.56	435	16.96	17600	5.85			
	19.55	1782	71.60	16900	0.83			
	21.95	1587	63.77	16900	0.90			
	22.75	1532	61.54	16900	0.92			
	25.54	1364	54.81	16900	1.00	LH87		66
	28.48	1224	49.16	16755	1.07	LV87	112	70
	30.93	1127	45.27	16470	1.13	LW87		64
	36.65	951	38.20	15875	1.27			
	44.12	790	31.73	14865	1.20			
	57.64	605	24.29	13960	1.44			
	69.79	499	20.06	13310	1.63			
	61.34	586	22.83	13945	1.73			
	70.59	509	19.83	13440	1.90			
	79.95	449	17.51	13000	2.07			
	91.56	392	15.29	12525	2.26			

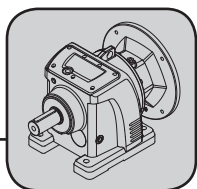
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

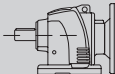
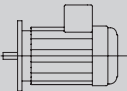
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
4 (5.4HP)	107.86	333	12.98	11960	2.52	LH87	63
	123.53	291	11.33	11505	2.76	LV87	68
	131.30	274	10.66	11305	2.88	LW87	62
	152.94	235	9.15	10810	3.19		
	206.60	174	6.78	9810	3.27		
	243.37	148	5.75	9340	3.64		
	296.26	121	4.73	8805	4.15		
	345.10	104	4.06	8400	4.60		
	55.40	629	25.27	5075	0.92	LH77	37
						LV77	41
						LW77	37
	60.06	598	23.31	5270	1.10		
	77.44	464	18.08	5105	1.31		
	94.38	381	14.83	4945	1.49		
	105.97	339	13.21	4845	1.61	LH77	35
	118.14	304	11.85	4740	1.73	LV77	41
	128.31	280	10.91	4660	1.83	LW77	37
	152.06	236	9.21	4490	2.05		
	242.11	148	5.78	3945	2.37		
	293.14	123	4.78	3760	2.70		
	347.40	103	4.03	3595	3.02		
	61.14	570	22.90	4275	0.87	LH67	31
						LV67	29
						LW67	27
	57.99	619	24.14	4210	0.82		
	65.63	547	21.33	4210	0.89		
	74.49	482	18.79	4190	0.97		
	90.87	395	15.41	4125	1.10	LH67	30
	111.70	322	12.53	4020	1.27	LV67	28
	141.35	254	9.90	3875	1.48	LW67	26
	230.90	156	6.06	3405	1.70		
	267.48	134	5.23	3300	1.87		
	338.46	106	4.14	3130	2.19		
	90.15	398	15.53	3405	0.82		
	121.43	296	11.53	3345	0.99	LH57	24
	169.82	212	8.24	3205	1.24	LV57	25
	203.08	177	6.89	2965	1.23	LW57	23
	284.01	126	4.93	2805	1.53		
	345.18	104	4.06	2695	1.75		
	124.25	289	11.27	3315	0.99		
	173.77	207	8.06	3175	1.24	LH47	22
	206.25	174	6.79	2950	1.22	LV47	21
	288.44	125	4.85	2790	1.53	LW47	20
	350.58	102	3.99	2685	1.74		
	254.55	145	5.50	4880	1.46		
	288.66	128	4.85	4740	1.69	XH87	37
	316.03	117	4.43	4600	2.47		
	371.35	100	3.77	4550	3.06		
	334.13	111	4.19	2220	1.29		
	373.33	99	3.75	2460	1.54		
	430.77	86	3.25	2850	1.96		
	524.34	71	2.67	2550	1.87	XH77	23
	588.24	63	2.38	2755	2.14		
	657.28	56	2.13	2805	2.32		
	714.29	52	1.96	2650	2.22		
	843.37	44	1.66	2610	2.35		
	484.43	76	2.89	870	1.26		
	514.71	72	2.72	805	1.24		



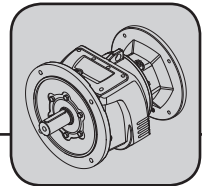
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

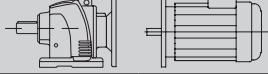
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
4 (5.4HP)	595.74	62	2.35	910	1.32	XH67	112	17
	752.69	49	1.86	1095	1.50			
	864.20	43	1.62	1085	1.54			
	1000.00	37	1.40	1140	1.65			
	880.50	42	1.59	205	1.01	XH57	112	15
	1068.70	35	1.31	530	1.21			
5.5 (7.4HP)	2.12	21225	659	88200	0.85	MH167 R97 MV167 R97	132S	615 613
	2.54	17746	551	88200	1.01			
	2.93	15394	478	88200	1.17			
	3.41	13227	411	88200	1.36			
	3.70	12187	378	88200	1.48			
	4.26	10574	328	88200	1.70			
	4.87	9250	287	88200	1.95	MH147 R87 MV147 R87 MW147 R87	132S	391 382 367
	3.17	14243	442	62700	0.91			
	3.47	12991	403	62700	1.00			
	3.84	11739	365	62700	1.11			
	4.18	10773	335	62700	1.21			
	4.87	9249	287	62700	1.41			
	5.72	7888	245	62700	1.65			
	6.59	6845	213	62700	1.90			
	7.67	5876	182	62700	2.21	MH107 MV107 MW107	132S	167 182 182
	12.12	3953	115.50	29500	1.09			
	13.11	3654	106.76	29500	1.18			
	13.59	3526	103.02	29500	1.22			
	16.19	2960	86.50	29500	1.45			
	17.51	2736	79.95	29500	1.57			
	20.51	2336	68.27	29500	1.84			
	22.26	2153	62.90	29500	2.00			
	26.07	1838	53.71	29500	2.34			
	26.41	1814	53.00	29500	2.37			
	31.46	1523	44.50	28325	2.82			
	35.43	1352	39.52	27565	3.18			
	40.90	1172	34.23	26480	3.52	LH97 LV97 LW97	132S	104 112 103
	47.90	1000	29.23	25325	3.80			
	54.86	873	25.52	24460	4.29			
	64.24	746	21.79	23355	4.62			
	106.95	448	13.09	20035	5.81			
	57.37	861	24.40	24145	4.41			
	64.32	768	21.77	23385	4.76			
	14.32	3346	97.76	18100	0.90			
	14.80	3237	94.59	18100	0.93			
	16.40	2921	85.35	18100	1.03			
	16.95	2827	82.59	18100	1.06			
	18.02	2659	77.70	18100	1.13			
	19.32	2480	72.46	18100	1.21			
	20.99	2283	66.71	18100	1.31			
	22.13	2165	63.27	18100	1.39			
	23.52	2037	59.52	18100	1.47			
	27.40	1749	51.10	18100	1.72			
	31.41	1525	44.57	18100	1.87			
	37.00	1295	37.84	18100	2.13			
	48.30	992	28.98	18100	2.55			
	55.32	866	25.31	18100	2.79			
	42.42	1164	33.00	18100	2.39	LH97 LV97 LW97	132S	101 108 99
	48.11	1027	29.10	18100	2.65			
	65.94	749	21.23	18100	3.43			
	82.56	598	16.96	17200	4.25			

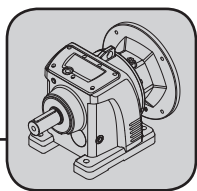
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

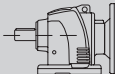
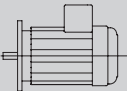
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
5.5 (7.4HP)	103.28	478	13.56	16100	4.97		
	164.86	300	8.49	13910	5.57		
	30.93	1549	45.27	15340	0.82		
	36.65	1307	38.20	14915	0.92	LH87	71
	44.12	1086	31.73	13945	0.87	LV87	76
	57.64	831	24.29	13260	1.05	LW87	70
	69.79	687	20.06	12730	1.19		
	61.34	805	22.83	13355	1.26		
	70.59	700	19.83	12930	1.38		
	79.95	618	17.51	12545	1.50		
	91.56	539	15.29	12130	1.65		
	107.86	458	12.98	11625	1.84	LH87	69
	123.53	400	11.33	11215	2.01	LV87	73
	131.30	376	10.66	11030	2.09	LW87	67
	152.94	323	9.15	10575	2.32		
	206.60	239	6.78	9605	2.37		
	243.37	203	5.75	9170	2.65		
	296.26	167	4.73	8660	3.02		
	345.10	143	4.06	8280	3.34		
	60.06	822	23.31	4575	0.80		
	77.44	638	18.08	4570	0.95		
	94.38	523	14.83	4505	1.09		
	105.97	466	13.21	4450	1.17	LH77	42
	118.14	418	11.85	4390	1.26	LV77	48
	128.31	385	10.91	4335	1.33	LW77	44
	152.06	325	9.21	4220	1.49		
	242.11	204	5.78	3745	1.73		
	293.14	169	4.78	3595	1.96		
	347.40	142	4.03	3460	2.20		
	219.44	230	6.38	9340	1.78		
	254.55	200	5.50	8970	2.15	XH107	77
	285.71	180	4.90	8690	3.84		
	247.79	206	5.65	7960	1.82		
	282.26	180	4.96	7410	2.22		
	316.74	161	4.42	7190	3.27		
	367.45	139	3.81	7110	3.79		
	402.30	127	3.48	6730	4.15		
	456.03	112	3.07	6680	4.70	XH97	56
	522.39	97	2.68	6240	5.39		
	603.45	84	2.32	5990	5.80		
	622.22	82	2.25	5970	5.68		
	660.38	77	2.12	5830	6.03		
	740.74	69	1.89	5630	6.36		
	818.71	62	1.71	5560	7.29		
	316.03	161	4.43	3890	1.80		
	371.35	137	3.77	4200	2.22		
	395.48	129	3.54	4060	2.33		
	438.87	116	3.19	4040	2.45	XH87	42
	494.70	103	2.83	3960	2.59		
	555.56	92	2.52	3850	2.74		
	619.47	82	2.26	3750	2.87		
	654.21	78	2.14	3700	2.94		
	430.77	118	3.25	1890	1.43		
	524.34	97	2.67	1610	1.36		
	588.24	87	2.38	1965	1.56	XH77	30
	657.28	77	2.13	2100	1.68		
	714.29	71	1.96	1935	1.61		
	843.37	60	1.66	1970	1.71		



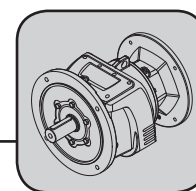
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

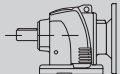
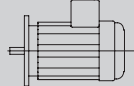
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
7.5 (10HP)	2.93	20992	478	88200	0.86			
	3.41	18036	411	88200	1.00	MH167 R97		615
	3.70	16619	378	88200	1.08	MV167 R97	132M	613
	4.26	14419	328	88200	1.25			
	4.87	12614	287	88200	1.43			
	4.18	14691	335	62700	0.88			
	4.87	12612	287	62700	1.03	MH147 R87		391
	5.72	10757	245	62700	1.21	MV147 R87	132M	382
	6.59	9333	213	62700	1.39	MW147 R87		367
	7.67	8013	182	62700	1.62			
	8.28	7428	169	62700	1.75			
	12.12	5390	115.50	29500	0.80			
	13.11	4982	106.76	29500	0.86			
	13.59	4808	103.02	29500	0.89			
	16.19	4037	86.50	29500	1.07			
	17.51	3731	79.95	29500	1.15			
	20.51	3186	68.27	29080	1.35			
	22.26	2935	62.90	28885	1.46	MH107		167
	26.07	2507	53.71	27910	1.72	MV107	132M	182
	26.41	2474	53.00	28130	1.74	MW107		182
	31.46	2077	44.50	27015	2.07			
	35.43	1844	39.52	26430	2.33			
	40.90	1598	34.23	25475	2.58			
	47.90	1364	29.23	24440	2.79			
	54.86	1191	25.52	23710	3.14			
	64.24	1017	21.79	22700	3.39			
	106.95	611	13.09	19595	4.26			
	57.37	1174	24.40	23420	3.23	MH107		161
	64.32	1047	21.77	22735	3.49	MV107	132M	176
	97.38	692	14.38	20270	4.47	MW107		176
	134.06	502	10.44	18535	5.69			
	18.02	3626	77.70	18100	0.83			
	19.32	3382	72.46	18100	0.89			
	20.99	3113	66.71	18100	0.96			
	22.13	2953	63.27	18100	1.02	LH97		104
	23.52	2778	59.52	18100	1.08	LV97	132M	112
	27.40	2385	51.10	18100	1.26	LW97		103
	31.41	2080	44.57	18100	1.37			
	37.00	1766	37.84	18100	1.56			
	48.30	1353	28.98	18100	1.87			
	55.32	1181	25.31	17900	2.04			
	42.42	1588	33.00	18100	1.75			
	48.11	1400	29.10	18100	1.94			
	65.94	1021	21.23	17600	2.51			
	82.56	816	16.96	16700	3.12	LH97		101
	103.28	652	13.56	15700	3.64	LV97	132M	108
	140.00	481	10.00	14460	4.46	LW97		99
	164.86	409	8.49	13590	4.08			
	206.41	326	6.78	12760	4.74			
	258.20	261	5.42	11970	5.50			
	69.79	936	20.06	11955	0.87	LH87		71
						LV87	132M	76
						LW87		70
	61.34	1098	22.83	12570	0.92			
	70.59	954	19.83	12245	1.01			
	79.95	843	17.51	11945	1.10			
	91.56	736	15.29	11600	1.21			
	107.86	625	12.98	11180	1.35	LH87		69

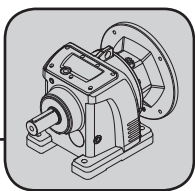
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

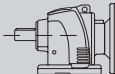
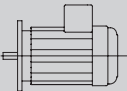
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
7.5 (10HP)	123.53	545	11.33	10825	1.47	LV87 LW87	73
	131.30	513	10.66	10665	1.53		67
	152.94	440	9.15	10260	1.70		
	206.60	326	6.78	9340	1.74		
	243.37	277	5.75	8940	1.94		
	296.26	227	4.73	8475	2.21		
	345.10	195	4.06	8120	2.45		
	219.44	315	6.38	8960	1.31	XH107	77
	254.55	275	5.50	8640	1.58		
	285.71	245	4.90	8400	2.82		
	338.98	205	4.13	8040	3.88		
	247.79	280	5.65	7720	1.34	XH97	56
	282.26	246	4.96	7110	1.63		
	316.74	219	4.42	6910	2.39		
	367.45	189	3.81	6950	2.78		
	402.30	173	3.48	6510	3.04		
	456.03	152	3.07	6560	3.45		
	316.03	220	4.43	2670	1.32	XH87	42
	371.35	187	3.77	3230	1.63		
	395.48	176	3.54	3080	1.71		
	438.87	158	3.19	3140	1.80		
	494.70	140	2.83	3200	1.90		
	555.56	125	2.52	3230	2.01		
	619.47	112	2.26	3240	2.11		
	654.21	106	2.14	3240	2.16		
	686.27	101	2.04	3360	2.32		
	838.32	83	1.67	3195	2.38		
9.2 (12.4HP)	3.70	20386	378	88200	0.88	MH167 R97	615
	4.26	17687	328	88200	1.02	MV167 R97	613
	4.87	15474	287	88200	1.16		
	4.87	15470	287	62700	0.84	MH147 R87 MV147 R87 MW147 R87	391
	5.72	13195	245	62700	0.99		382
	6.59	11449	213	62700	1.14		367
	7.67	9829	182	62700	1.32		
	8.28	9111	169	62700	1.43		
	16.19	4952	86.50	28125	0.87	MH107 MV107 MW107	167
	17.51	4577	79.95	27980	0.94		182
	20.51	3908	68.27	27330	1.10		182
	22.26	3601	62.90	27310	1.19		
	26.07	3075	53.71	26525	1.40		
	26.41	3034	53.00	26840	1.42		
	31.46	2548	44.50	25900	1.69		
	35.43	2262	39.52	25465	1.90		
	40.90	1960	34.23	24615	2.11		
	47.90	1673	29.23	23690	2.27		
	54.86	1461	25.52	23070	2.56		
	64.24	1248	21.79	22135	2.76		
	106.95	749	13.09	19225	3.47		
	57.37	1440	24.40	22810	2.63	MH107 MV107 MW107	161
	64.32	1285	21.77	22190	2.84		176
	97.38	848	14.38	19900	3.64		176
	134.06	616	10.44	18270	4.64		
	22.13	3622	63.27	18100	0.83	LH97 LV97 LW97	104
	23.52	3408	59.52	18100	0.88		112
	27.40	2925	51.10	18100	1.03		103
	31.41	2551	44.57	18100	1.12		
	37.00	2166	37.84	18100	1.27		
	48.30	1659	28.98	17500	1.52		

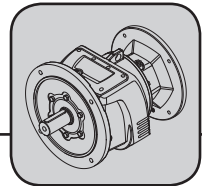


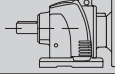
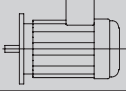
Helical Gear Units

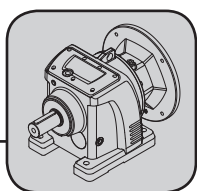
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
9.2 (12.4HP)	55.32	1449	25.31	17100	1.67			
	42.42	1948	33.00	18100	1.43			
	48.11	1717	29.10	18100	1.58			
	65.94	1253	21.23	17100	2.05			
	82.56	1001	16.96	16200	2.54	LH97		101
	103.28	800	13.56	15400	2.97	LV97	132M	108
	140.00	590	10.00	14200	3.64	LW97		99
	164.86	501	8.49	13330	3.33			
	206.41	400	6.78	12550	3.87			
	258.20	320	5.42	11800	4.49			
	350.00	236	4.00	10810	5.50			
	70.59	1171	19.83	11665	0.83			
	79.95	1034	17.51	11435	0.90			
	91.56	902	15.29	11155	0.98			
	107.86	766	12.98	10800	1.10			
	123.53	669	11.33	10490	1.20	LH87		69
	131.30	629	10.66	10350	1.25	LV87	132M	73
	152.94	540	9.15	9995	1.39	LW87		67
	206.60	400	6.78	9110	1.42			
	243.37	340	5.75	8745	1.58			
	296.26	279	4.73	8315	1.81			
	345.10	239	4.06	7980	2.00			
	254.55	335	5.50	8370	1.29			
	285.71	300	4.90	8150	2.30	XH107	132M	77
	338.98	250	4.13	7830	3.16			
	415.43	205	3.37	7440	3.83			
	316.74	269	4.42	6680	1.95			
	367.45	232	3.81	6810	2.26			
	402.30	212	3.48	6330	2.48			
	456.03	187	3.07	6450	2.81			
	522.39	163	2.68	5930	3.22	XH97	132M	56
	603.45	141	2.32	5710	3.47			
	622.22	137	2.25	5720	3.40			
	660.38	129	2.12	5570	3.60			
	740.74	115	1.89	5400	3.80			
	818.71	104	1.71	5400	4.36			
	395.48	215	3.54	2260	1.39			
	438.87	194	3.19	2380	1.46			
	494.70	172	2.83	2510	1.55			
	555.56	153	2.52	2600	1.64	XH87	132M	42
	619.47	138	2.26	2660	1.72			
	654.21	130	2.14	2685	1.76			
	686.27	124	2.04	2850	1.89			
	838.32	102	1.67	2730	1.94			
11 (15HP)	3.97	22738	353	88200	0.79			
	4.81	18739	291	88200	0.96			
	5.14	17539	272	88200	1.03	MH167 R107	160M	643
	6.33	14253	221	88200	1.26	MV167 R107		641
	7.10	12704	197	88200	1.42			
	8.85	10193	158	88200	1.77			
	4.90	18982	286	88200	0.95	MH167 R107		602
	6.74	13788	208	88200	1.31	MV167 R107	160M	600
	8.50	10932	165	88200	1.65			
	4.26	21148	328	88200	0.85	MH167 R97		626
	4.87	18501	287	88200	0.97	MV167 R97	160M	624
	5.72	1610	245	62700	0.82	MH147 R87		402
	6.59	1397	213	62700	0.95	MV147 R87	160M	393
	7.67	1199	182	62700	1.11	MW147 R87		378



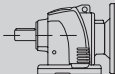
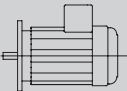
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
11 (15HP)	8.28	1112	169	62700	1.19	MH167 MV167	160M	604 613
	7.86	12196	178.17	88200	1.48			
	8.26	11596	169.42	88200	1.55			
	8.84	10840	158.37	88200	1.66			
	10.03	9555	139.60	88200	1.88			
	11.52	8321	121.56	88200	2.16			
	12.74	7522	109.89	88200	2.39			
	13.77	6957	101.64	88200	2.59			
	15.88	6035	88.17	88200	2.98			
	17.37	5516	80.58	88200	3.26			
	20.06	4778	69.80	84600	3.77			
	23.12	4145	60.56	81100	4.34			
	25.96	3691	53.92	77900	4.88			
	28.85	3321	48.52	75500	5.42			
	11.94	8028	117.29	62700	1.62	MH147 MV147 MW147	160M	399 394 394
	12.84	7463	109.03	62700	1.74			
	14.08	6807	99.44	62700	1.91			
	15.58	6151	89.86	62700	2.11			
	16.81	5702	83.30	62700	2.28			
	19.77	4846	70.80	62700	2.68			
	23.18	4133	60.38	62700	3.15			
	27.73	3456	50.49	62700	3.76			
	31.13	3079	44.98	62700	4.06			
	33.58	2854	41.70	62700	4.27			
	39.51	2426	35.44	62700	4.76			
	46.32	2069	30.23	60015	5.29			
	55.39	1730	25.27	56835	5.96			
	11.94	8030	117.25	42700	0.87	MH137 MV137 MW137	160M	273 307 307
	12.99	7380	107.80	42200	0.95			
	14.05	6820	99.66	41900	1.03			
	15.28	6270	91.63	41300	1.12			
	17.71	5410	79.05	40300	1.29			
	19.90	4820	70.35	39600	1.45			
	23.67	4050	59.14	38300	1.73			
	25.75	3720	54.38	37600	1.88			
	27.93	3430	50.13	36700	2.04			
	31.47	3050	44.49	36000	2.30			
	32.37	2960	43.25	35500	2.36			
	39.56	2420	35.39	33900	2.89			
	42.67	2250	32.81	33300	3.12			
	57.76	1660	24.24	30400	3.77			
	67.71	1420	20.68	29200	4.19	MH137 MV137 MW137	160M	262 297 297
	95.92	1000	14.60	26600	5.29			
	59.70	1650	23.45	30600	1.68			
	64.94	1520	21.56	29900	1.89			
	81.63	1210	17.15	28000	2.29			
	93.61	1060	14.96	27000	4.11	MH107 MV107 MW107	160M	177 192 192
	101.82	970	13.75	26300	4.38			
	20.51	4673	68.27	25475	0.92			
	22.26	4305	62.90	25640	1.00			
	26.07	3676	53.71	25065	1.17			
	26.41	3628	53.00	25465	1.19			
	31.46	3046	44.50	24720	1.41			
	35.43	2705	39.52	24445	1.59			
	40.90	2343	34.23	23710	1.76			
	47.90	2001	29.23	22895	1.90			
	54.86	1747	25.52	22390	2.14			
	64.24	1492	21.79	21540	2.31			

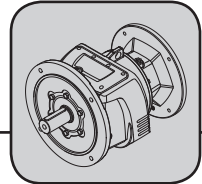


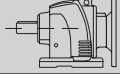
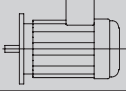
Helical Gear Units

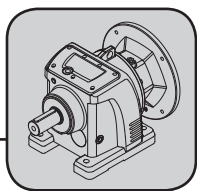
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
11 (15HP)	106.95	896	13.09	18825	2.90			
	57.37	1722	24.40	22155	2.20			
	64.32	1536	21.77	21610	2.38	MH107		171
	97.38	1015	14.38	19505	3.05	MV107	160M	186
	134.06	737	10.44	17995	3.88	MW107		186
	311.32	317	4.50	14020	5.74			
	27.40	3498	51.10	18100	0.86			
	31.41	3051	44.57	16900	0.93	LH97		116
	37.00	2590	37.84	16900	1.07	LV97	160M	123
	48.30	1984	28.98	16500	1.27	LW97		114
	55.32	1732	25.31	16300	1.39			
	42.42	2329	33.00	17700	1.20			
	48.11	2053	29.10	17400	1.32			
	65.94	1498	21.23	16500	1.71			
	82.56	1197	16.96	15800	2.13	LH97		112
	103.28	957	13.56	15000	2.48	LV97	160M	119
	140.00	706	10.00	13930	3.04	LW97		110
	164.86	599	8.49	13050	2.78			
	206.41	479	6.78	12330	3.23			
	258.20	383	5.42	11620	3.75			
	350.00	282	4.00	10680	4.60			
	91.56	1079	15.29	10680	0.82			
	107.86	916	12.98	10395	0.92			
	123.53	800	11.33	10140	1.00			
	131.30	752	10.66	10020	1.05	LH87		81
	152.94	646	9.15	9710	1.16	LV87	160M	85
	206.60	478	6.78	8865	1.19	LW87		79
	243.37	406	5.75	8540	1.32			
	296.26	333	4.73	8145	1.51			
	345.10	286	4.06	7835	1.67			
	254.55	400	5.50	8080	1.08			
	285.71	355	4.90	7890	1.92			
	338.98	300	4.13	7610	2.65	XH107	160M	89
	415.43	245	3.37	7250	3.21			
	448.72	225	3.12	7250	3.56			
	608.70	165	2.30	6680	4.21			
	316.74	322	4.42	6440	1.63			
	367.45	277	3.81	6670	1.89			
	402.30	253	3.48	6130	2.07			
	456.03	223	3.07	6330	2.35			
	522.39	195	2.68	5770	2.69	XH97	160M	67
	603.45	169	2.32	5570	2.90			
	622.22	164	2.25	5600	2.84			
	660.38	154	2.12	5450	3.01			
	740.74	137	1.89	5290	3.18			
	818.71	124	1.71	5330	3.65			
	395.48	258	3.54	1380	1.17			
	438.87	232	3.19	1580	1.22			
	494.70	206	2.83	1780	1.30			
	555.56	183	2.52	1940	1.37	XH87	160M	54
	619.47	164	2.26	2050	1.44			
	654.21	156	2.14	2100	1.47			
	686.27	148	2.04	2315	1.58			
	838.32	121	1.67	2240	1.62			
15 (20HP)	6.33	19436	221	88200	0.93	MH167 R107		643
	7.10	17324	197	88200	1.04	MV167 R107	160L	641
	8.85	13899	158	88200	1.30			
	5.64	22488	248	88200	0.80	MH167 R107		602



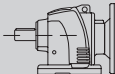
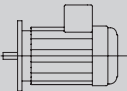
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
15 (20HP)	6.74	18801	208.00	88200	0.96	MV167 R107	160L	600
	7.86	16630	178.17	88200	1.08			
	8.26	15813	169.42	88200	1.14			
	8.84	14782	158.37	88200	1.22			
	10.03	13030	139.60	88200	1.38			
	11.52	11347	121.56	88200	1.59			
	12.74	10257	109.89	88200	1.75			
	13.77	9487	101.64	88200	1.90	MH167	160L	604
	15.88	8229	88.17	88200	2.19	MV167		613
	17.37	7521	80.58	86300	2.39			
	20.06	6515	69.80	82900	2.76			
	23.12	5653	60.56	79600	3.18			
	25.96	5033	53.92	76400	3.58			
	28.85	4529	48.52	74100	3.97			
	31.92	4094	43.86	72000	4.40			
	39.78	3285	35.19	67500	5.48			
	11.94	10947	117.29	62700	1.19			
	12.84	10176	109.03	62700	1.28			
	14.08	9282	99.44	62700	1.40			
	15.58	8387	89.86	62700	1.55			
	16.81	7775	83.30	62700	1.67			
	19.77	6608	70.80	62700	1.97	MH147		399
	23.18	5636	60.38	62700	2.31	MV147	160L	394
	27.73	4713	50.49	62700	2.76	MW147		394
	31.13	4198	44.98	62700	2.98			
	33.58	3892	41.70	62700	3.13			
	39.51	3308	35.44	61735	3.49			
	46.32	2821	30.23	58980	3.88			
	55.39	2359	25.27	55980	4.37			
	70.03	1866	19.99	52200	5.11			
	89.65	1503	15.62	48370	5.85	MH147		386
						MV147	160L	381
						MW147		381
	15.28	8550	91.63	37000	0.82			
	17.71	7380	79.05	36700	0.95			
	19.90	6570	70.35	36400	1.07			
	23.67	5520	59.14	35600	1.27			
	25.75	5080	54.38	35100	1.38			
	27.93	4680	50.13	34300	1.50	MH137		273
	31.47	4150	44.49	33900	1.69	MV137	160L	307
	32.37	4040	43.25	33400	1.73	MW137		307
	39.56	3300	35.39	32200	2.12			
	42.67	3060	32.81	31700	2.29			
	57.76	2260	24.24	29100	2.76			
	67.71	1930	20.68	28100	3.07			
	95.92	1360	14.60	25800	3.88			
	59.70	2260	23.45	29500	1.23			
	64.94	2070	21.56	28800	1.38			
	81.63	1650	17.15	27100	1.68			
	93.61	1440	14.96	26300	3.01	MH137		262
	101.82	1320	13.75	25700	3.21	MV137	160L	297
	138.34	970	10.12	23600	4.59	MW137		297
	173.91	770	8.05	22100	4.79			
	287.75	470	4.87	18900	4.84			
	346.18	390	4.04	17900	5.69			
	26.07	5013	53.71	21815	0.86			
	26.41	4947	53.00	22425	0.87			
	31.46	4154	44.50	22095	1.04			

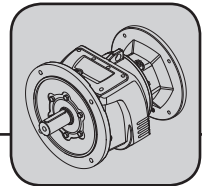


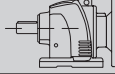
Helical Gear Units

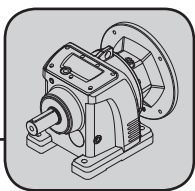
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
15 (20HP)	35.43	3688	39.52	22175	1.17	MH107	160L	177
	40.90	3195	34.23	21695	1.29	MV107		192
	47.90	2728	29.23	21130	1.39	MW107		192
	54.86	2382	25.52	20890	1.57			
	64.24	2034	21.79	20225	1.70			
	106.95	1222	13.09	17950	2.13			
	57.37	2348	24.40	20715	1.62	MH107	160L	171
	64.32	2094	21.77	20320	1.74	MV107		186
	97.38	1383	14.38	18635	2.23	MW107		186
	134.06	1005	10.44	17375	2.84			
	311.32	433	4.50	13710	4.21			
	349.61	385	4.00	13275	4.55			
	48.30	2705	28.98	14500	0.93	LH97	160L	116
	55.32	2362	25.31	14500	1.02	LV97		123
						LW97		114
	42.42	3175	33.00	15700	0.88		160L	
	48.11	2800	29.10	15700	0.97			
	65.94	2043	21.23	15200	1.26			
	82.56	1632	16.96	14700	1.56	LH97		112
	103.28	1304	13.56	14200	1.82	LV97		119
	140.00	962	10.00	13330	2.23	LW97		110
	164.86	817	8.49	12420	2.04			
	206.41	653	6.78	11830	2.37			
	258.20	522	5.42	11220	2.75			
	350.00	385	4.00	10380	3.37			
	285.71	485	4.90	7310	1.41		160L	
	338.98	410	4.13	7110	1.94			
	415.43	335	3.37	6840	2.35			
	448.72	310	3.12	6920	2.61	XH107		89
	608.70	230	2.30	6425	3.09			
	732.98	190	1.91	6125	3.33			
	1007.19	140	1.39	5605	3.70			
	316.74	438	4.42	5250	1.20		160L	
	367.45	378	3.81	6350	1.39			
	402.30	345	3.48	5670	1.52			
	456.03	305	3.07	6080	1.72			
	522.39	266	2.68	5430	1.97	XH97		67
	603.45	230	2.32	5270	2.13			
	622.22	223	2.25	5340	2.08			
	660.38	210	2.12	5170	2.21			
	740.74	187	1.89	5040	2.33			
	818.71	170	1.71	5170	2.67			
	494.70	281	2.83	150	0.95		160L	
	555.56	250	2.52	450	1.00			
	619.47	224	2.26	690	1.05	XH87		54
	654.21	212	2.14	795	1.08			
	686.27	202	2.04	1120	1.16			
	838.32	166	1.67	1150	1.19			
18.5 (25HP)	7.86	20511	178.17	88200	0.88		180M	
	8.26	19503	169.42	88200	0.92			
	8.84	18232	158.37	88200	0.99			
	10.03	16070	139.60	88200	1.12			
	11.52	13994	121.56	88200	1.29			
	12.74	12650	109.89	88200	1.42			
	13.77	11700	101.64	88200	1.54			
	15.88	10150	88.17	86500	1.77	MH167		611
	17.37	9277	80.58	84500	1.94	MV167		632
	20.06	8035	69.80	81400	2.24			



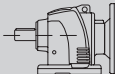
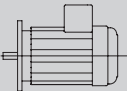
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
18.5 (25HP)	23.12	6971	60.56	78300	2.58			
	25.96	6207	53.92	75000	2.90			
	28.85	5586	48.52	72900	3.22			
	31.92	5050	43.86	70900	3.56			
	39.78	4051	35.19	66600	4.44			
	50.25	3207	27.86	62200	5.27			
	11.94	13502	117.29	62700	0.96	MH147 MV147 MW147	180M	407 403 403
	12.84	12551	109.03	62700	1.04			
	14.08	11448	99.44	62700	1.14			
	15.58	10344	89.86	62700	1.26			
	16.81	9589	83.30	62700	1.36			
	19.77	8150	70.80	62700	1.60			
	23.18	6951	60.38	62700	1.87			
	27.73	5812	50.49	62700	2.24			
	31.13	5178	44.98	62700	2.41			
	33.58	4800	41.70	62700	2.54			
	39.51	4080	35.44	60680	2.83			
	46.32	3480	30.23	58075	3.15			
	55.39	2910	25.27	55220	3.55			
	70.03	2301	19.99	51600	4.15			
	89.65	1853	15.62	47890	4.74	MH147 MV147 MW147	180M	395 390 390
	105.11	1581	13.32	45665	5.27			
	19.90	8100	70.35	33600	0.86	MH137 MV137 MW137	180M	282 316 316
	23.67	6810	59.14	33200	1.03			
	25.75	6260	54.38	32800	1.12			
	27.93	5770	50.13	32200	1.21			
	31.47	5120	44.49	32100	1.37			
	32.37	4980	43.25	31600	1.41			
	39.56	4070	35.39	30700	1.72			
	42.67	3780	32.81	30300	1.85			
	57.76	2790	24.24	28000	2.24			
	67.71	2380	20.68	27100	2.49			
	95.92	1680	14.60	25100	3.14			
	59.70	2780	23.45	28500	1.00	MH137 MV137 MW137	180M	271 306 306
	64.94	2560	21.56	27900	1.12			
	81.63	2040	17.15	26400	1.36			
	93.61	1770	14.96	25700	2.44			
	101.82	1630	13.75	25100	2.60			
	138.34	1200	10.12	23200	3.72			
	173.91	960	8.05	21700	3.88			
	287.75	580	4.87	18700	3.92			
	346.18	480	4.04	17700	4.62	MH107 MV107 MW107	180M	187 202 202
	31.46	5123	44.50	19805	0.84			
	35.43	4549	39.52	20190	0.95			
	40.90	3941	34.23	19930	1.05			
	47.90	3365	29.23	19585	1.13			
	54.86	2938	25.52	19575	1.27			
	64.24	2509	21.79	19070	1.37			
	106.95	1507	13.09	17190	1.73			
	57.37	2896	24.40	19450	1.31	MH107 MV107 MW107	180M	181 196 196
	64.32	2583	21.77	19195	1.41			
	97.38	1706	14.38	17870	1.81			
	134.06	1239	10.44	16830	2.31			
	311.32	534	4.50	13440	3.41			
	349.61	475	4.00	13030	3.69			
	55.32	2913	25.31	12900	0.83			
	65.94	2520	21.23	14100	1.02			



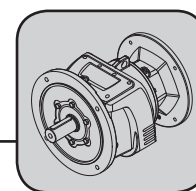
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

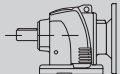
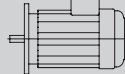
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
18.5 (25HP)	82.56	2012	16.96	13800	1.26	LH97 LV97 LW97	180M	119 128 119
	103.28	1609	13.56	13500	1.48			
	140.00	1187	10.00	12800	1.81			
	164.86	1008	8.49	11870	1.65			
	206.41	805	6.78	11390	1.92			
	258.20	644	5.42	10870	2.23			
	350.00	475	4.00	10130	2.73			
	338.98	505	4.13	6550	1.57	XH107	180M	95
	415.43	410	3.37	6480	1.91			
	448.72	380	3.12	6630	2.12			
	608.70	280	2.30	6205	2.51			
	732.98	235	1.91	5935	2.70			
	1007.19	170	1.39	5460	3.00			
	367.45	466	3.81	5000	1.13	XH97	180M	74
	402.30	426	3.48	4200	1.23			
	456.03	376	3.07	5360	1.40			
	522.39	328	2.68	4640	1.60			
	603.45	284	2.32	4840	1.73			
	622.22	275	2.25	4670	1.69			
	660.38	259	2.12	4900	1.79			
	740.74	231	1.89	4820	1.89			
	818.71	209	1.71	5020	2.17			
22 (30HP)	8.84	21681	158.37	88200	0.83	MH167 MV167	180L	611 632
	10.03	19110	139.60	88200	0.94			
	11.52	16642	121.56	88200	1.08			
	12.74	15043	109.89	88200	1.20			
	13.77	13914	101.64	87400	1.29			
	15.88	12070	88.17	84600	1.49			
	17.37	11032	80.58	82800	1.63			
	20.06	9555	69.80	79900	1.88			
	23.12	8290	60.56	77000	2.17			
	25.96	7382	53.92	73700	2.44			
	28.85	6643	48.52	71700	2.71			
	31.92	6005	43.86	69800	3.00			
	39.78	4818	35.19	65700	3.74			
	50.25	3814	27.86	61500	4.43			
	66.06	2901	21.19	56800	5.31			
	58.86	3357	23.78	59100	5.36	MH167 MV167	180L	589 606
	11.94	16056	117.29	62700	0.81	MH147 MV147 MW147	180L	407 403 403
	12.84	14925	109.03	62700	0.87			
	14.08	13613	99.44	62700	0.95			
	15.58	12301	89.86	62700	1.06			
	16.81	11403	83.30	62700	1.14			
	19.77	9692	70.80	62700	1.34			
	23.18	8266	60.38	62700	1.57			
	27.73	6912	50.49	62700	1.88			
	31.13	6158	44.98	62700	2.03			
	33.58	5708	41.70	62135	2.14			
	39.51	4851	35.44	59625	2.38			
	46.32	4138	30.23	57175	2.65			
	55.39	3460	25.27	54465	2.98			
	70.03	2737	19.99	51005	3.49			
	89.65	2204	15.62	47410	3.99	MH147 MV147 MW147	180L	395 390 390
	105.11	1880	13.32	45250	4.43			
	136.75	1445	10.24	41790	5.16			
	23.67	8100	59.14	30900	0.86			
	25.75	7440	54.38	30600	0.94			

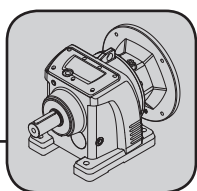
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

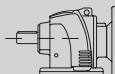
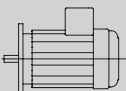
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
22 (30HP)	27.93	6860	50.13	30100	1.02		
	31.47	6090	44.49	30300	1.15	MH137	282
	32.37	5920	43.25	29800	1.18	MV137	316
	39.56	4840	35.39	29200	1.44	MW137	316
	42.67	4490	32.81	28900	1.56		
	57.76	3320	24.24	26800	1.88		
	67.71	2830	20.68	26100	2.10		
	95.92	2000	14.60	24400	2.64		
	59.70	3310	23.45	27500	0.84		
	64.94	3040	21.56	27000	0.94		
	81.63	2420	17.15	25600	1.14		
	93.61	2110	14.96	25100	2.05	MH137	271
	101.82	1940	13.75	24500	2.19	MV137	306
	138.34	1430	10.12	22800	3.13	MW137	306
	173.91	1140	8.05	21400	3.27		
	287.75	690	4.87	18400	3.30		
	346.18	570	4.04	17500	3.88		
	35.43	5410	39.52	18200	0.79		
	40.90	4686	34.23	18165	0.88	MH107	187
	47.90	4002	29.23	18035	0.95	MV107	202
	54.86	3494	25.52	18255	1.07	MW107	202
	64.24	2983	21.79	17920	1.16		
	106.95	1792	13.09	16420	1.45		
	57.37	3444	24.40	18185	1.10		
	64.32	3072	21.77	18065	1.19	MH107	181
	97.38	2029	14.38	17105	1.52	MV107	196
	134.06	1474	10.44	16290	1.94	MW107	196
	311.32	635	4.50	13165	2.87		
	349.61	565	4.00	12790	3.10		
	65.94	2996	21.23	13000	0.86	LH97	119
	82.56	2393	16.96	13000	1.06	LV97	128
	103.28	1913	13.56	12700	1.24	LW97	119
	140.00	1411	10.00	12270	1.52		
	164.86	1199	8.49	11330	1.39	LH97	119
	206.41	957	6.78	10950	1.62	LV97	128
	258.20	765	5.42	10520	1.88	LW97	119
	350.00	565	4.00	9870	2.30		
	338.98	600	4.13	5200	1.32		
	415.43	490	3.37	5650	1.60		
	448.72	455	3.12	6180	1.78		
	608.70	335	2.30	5985	2.11	XH107	95
	732.98	280	1.91	5745	2.27		
	1007.19	200	1.39	5315	2.52		
	367.45	554	3.81	3610	0.95		
	402.30	506	3.48	2720	1.04		
	456.03	447	3.07	4200	1.18		
	522.39	390	2.68	3430	1.35		
	603.45	338	2.32	3770	1.45	XH97	74
	622.22	327	2.25	3590	1.42		
	660.38	308	2.12	3900	1.51		
	740.74	275	1.89	4070	1.59		
	818.71	249	1.71	4650	1.82		
30 (40HP)	11.52	22693	121.56	84900	0.79		
	12.74	20514	109.89	83500	0.88		
	13.77	18973	101.64	82400	0.95		
	15.88	16459	88.17	80200	1.09		
	17.37	15043	80.58	78800	1.20		
	20.06	13030	69.80	76400	1.38	MH167	611

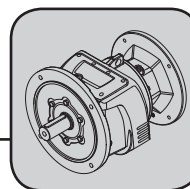


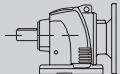
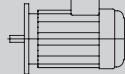
Helical Gear Units

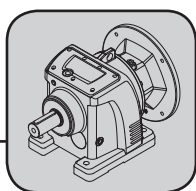
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
30 (40HP)	23.12	11305	60.56	74000	1.59	MV167		632
	25.96	10066	53.92	70700	1.79			
	28.85	9058	48.52	69000	1.99			
	31.92	8189	43.86	67300	2.20			
	39.78	6570	35.19	63700	2.74			
	50.25	5201	27.86	60000	3.25			
	66.06	3956	21.19	55600	3.89			
58.86	4577	23.78	57900	3.93	MH167	200L	589	
70.40	3827	19.89	55000	4.55	MV167		606	
88.80	3034	15.77	51400	5.31				
102.52	2628	13.66	49300	5.86				
16.81	15550	83.30	62700	0.84	MH147 MV147 MW147	200L	407 403 403	
19.77	13216	70.80	62700	0.98				
23.18	11272	60.38	62700	1.15				
27.73	9426	50.49	61645	1.38				
31.13	8397	44.98	60235	1.49				
33.58	7784	41.70	59285	1.57				
39.51	6616	35.44	57205	1.75				
46.32	5643	30.23	55105	1.94				
55.39	4718	25.27	52740	2.19				
70.03	3732	19.99	49645	2.56				
89.65	3005	15.62	46315	2.92	MH147	200L	395	
105.11	2563	13.32	44315	3.25	MV147		390	
136.75	1970	10.24	41055	3.79	MW147		390	
31.47	8310	44.49	26100	0.84	MH137 MV137 MW137	200L	282 316 316	
32.37	8070	43.25	25600	0.87				
39.56	6610	35.39	25800	1.06				
42.67	6130	32.81	25800	1.14				
57.76	4520	24.24	24200	1.38				
67.71	3860	20.68	23900	1.54				
95.92	2720	14.60	22800	1.94				
81.63	3300	17.15	23900	0.84	MH137 MV137 MW137	200L	271 305 305	
93.61	2880	14.96	23600	1.51				
101.82	2650	13.75	23200	1.60				
138.34	1950	10.12	21800	2.30				
173.91	1550	8.05	20600	2.39				
287.75	940	4.87	17900	2.42				
346.18	780	4.04	17000	2.85				
64.24	4068	21.79	15285	0.85	MH107	200L	187	
106.95	2444	13.09	14670	1.06	MV107		202	
					MW107		202	
57.37	4696	24.40	15295	0.81	MH107 MV107 MW107	200L	181 196 196	
64.32	4189	21.77	15490	0.87				
97.38	2767	14.38	15360	1.12				
134.06	2010	10.44	15055	1.42				
311.32	865	4.50	12550	2.11				
349.61	771	4.00	12240	2.27				
415.43	670	3.37	3050	1.18	XH107	200L	95	
448.72	620	3.12	3880	1.30				
608.70	455	2.30	4500	1.54				
732.98	380	1.91	4695	1.66				
1007.19	275	1.39	4740	1.85				
456.03	609	3.07	1540	0.86	XH97	200L	76	
522.39	532	2.68	680	0.99				
603.45	460	2.32	1340	1.06				
622.22	446	2.25	1130	1.04				
660.38	421	2.12	1630	1.11				
740.74	375	1.89	2000	1.17				



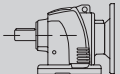
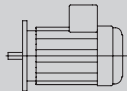
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	818.71	339	1.71	2890	1.34			
37 (50HP)	15.88	20299	88.17	76400	0.89			
	17.37	18553	80.58	75300	0.97			
	20.06	16070	69.80	73400	1.12			
	23.12	13943	60.56	71400	1.29	MH167	225S	620
	25.96	12414	53.92	68000	1.45	MV167		643
	28.85	11172	48.52	66600	1.61			
	31.92	10099	43.86	65200	1.78			
	39.78	8103	35.19	62000	2.22			
	50.25	6415	27.86	58600	2.63			
	66.06	4879	21.19	54600	3.16			
	58.86	5645	23.78	56800	3.19			
	70.40	4720	19.89	54100	3.69	MH167		598
	88.80	3742	15.77	50700	4.30	MV167	225S	617
	102.52	3241	13.66	48700	4.75			
	134.78	2465	10.39	44900	5.68			
	19.77	16300	70.80	61110	0.80			
	23.18	13903	60.38	60090	0.94			
	27.73	11625	50.49	58630	1.12			
	31.13	10356	44.98	57555	1.21	MH147		416
	33.58	9600	41.70	56800	1.27	MV147	225S	429
	39.51	8159	35.44	55085	1.42	MW147		429
	46.32	6959	30.23	53300	1.57			
	55.39	5819	25.27	51235	1.77			
	70.03	4603	19.99	48450	2.07			
	89.65	3707	15.62	45350	2.37			
	105.11	3162	13.32	43490	2.64	MH147		404
	136.75	2430	10.24	40410	3.07	MV147	225S	416
	280.00	1187	5.00	32840	4.95	MW147		416
	336.78	987	4.16	31060	5.60			
	39.56	8150	35.39	22800	0.86			
	42.67	7550	32.81	23000	0.93	MH137		290
	57.76	5580	24.24	22000	1.12	MV137	225S	342
	67.71	4760	20.68	22000	1.25	MW137		342
	95.92	3360	14.60	21500	1.57			
	93.61	3550	14.96	22400	1.22			
	101.82	3260	13.75	22100	1.30	MH137		279
	138.34	2400	10.12	20900	1.86	MV137	225S	332
	173.91	1910	8.05	19900	1.94	MW137		332
	287.75	1150	4.87	17400	1.96			
	346.18	960	4.04	16700	2.31			
	106.95	3014	13.09	13140	0.86			
	97.38	3412	14.38	13830	0.91	MH107		188
	134.06	2479	10.44	13970	1.15	MV107	225S	191
	311.32	1067	4.50	12005	1.71	MW107		191
	349.61	950	4.00	11755	1.84			
	415.43	825	3.37	770	0.95			
	448.72	765	3.12	1870	1.06			
	608.70	565	2.30	2920	1.25	XH107	225S	104
	732.98	465	1.91	3315	1.35			
	1007.19	340	1.39	3625	1.50			
45 (60HP)	17.37	22564	80.58	71300	0.80			
	20.06	19545	69.80	69900	0.92			
	23.12	16958	60.56	68300	1.06			
	25.96	15099	53.92	65000	1.19	MH167		620
	28.85	13588	48.52	63900	1.32	MV167	225M	643
	31.92	12283	43.86	62700	1.47			
	39.78	9855	35.19	60000	1.83			



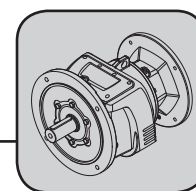
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1400 Input Rpm

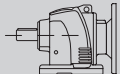
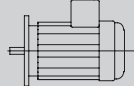
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
45 (60HP)	50.25	7802	27.86	57000	2.17			
	66.06	5934	21.19	53400	2.60			
	58.86	6866	23.78	55600	2.62			
	70.40	5740	19.89	53100	3.03	MH167		598
	88.80	4551	15.77	49900	3.54	MV167	225M	617
	102.52	3942	13.66	48000	3.91			
	134.78	2999	10.39	44400	4.67			
	27.73	14138	50.49	55185	0.92			
	31.13	12595	44.98	54480	0.99			
	33.58	11675	41.70	53950	1.04	MH147		416
	39.51	9923	35.44	52660	1.16	MV147	225M	429
	46.32	8464	30.23	51240	1.29	MW147		429
	55.39	7077	25.27	49505	1.46			
	70.03	5598	19.99	47085	1.70			
	89.65	4508	15.62	44245	1.95			
	105.11	3845	13.32	42555	2.17	MH147		404
	136.75	2955	10.24	39675	2.52	MV147	225M	416
	280.00	1443	5.00	32485	4.07	MW147		416
	336.78	1200	4.16	30760	4.61			
	57.76	6790	24.24	19400	0.92	MH137		290
55 (75HP)	67.71	5790	20.68	19800	1.02	MV137	225M	342
	95.92	4090	14.60	19900	1.29	MW137		342
	93.61	4320	14.96	21000	1.00			
	101.82	3970	13.75	20700	1.07	MH137		279
	138.34	2920	10.12	20000	1.53	MV137	225M	332
	173.91	2320	8.05	19100	1.60	MW137		332
	287.75	1400	4.87	16900	1.61			
	346.18	1170	4.04	16200	1.90			
	134.06	3015	10.44	12735	0.95	MH107		188
	311.32	1298	4.50	11385	1.40	MV107	225M	191
	349.61	1156	4.00	11205	1.52	MW107		191
	23.12	20726	60.56	64600	0.87			
	25.96	18454	53.92	61200	0.98			
	28.85	16607	48.52	60400	1.08	MH167		639
	31.92	15012	43.86	59600	1.20	MV167	250M	662
	39.78	12045	35.19	57600	1.49			
	50.25	9535	27.86	55100	1.77			
	66.06	7253	21.19	51900	2.12			
	58.86	8392	23.78	54100	2.14			
	70.40	7016	19.89	51800	2.48			
	88.80	5563	15.77	48900	2.89	MH167		617
	102.52	4818	13.66	47100	3.20	MV167	250M	637
	134.78	3665	10.39	43700	3.82			
	274.68	1798	5.10	35300	5.34			
	355.97	1388	3.93	32700	5.48			
	31.13	15394	44.98	50640	0.81			
	33.58	14270	41.70	50395	0.85	MH147		434
	39.51	12129	35.44	49645	0.95	MV147	250M	444
	46.32	10345	30.23	48665	1.06	MW147		444
	55.39	8650	25.27	47345	1.19			
	70.03	6842	19.99	45370	1.39			
	89.65	5510	15.62	42875	1.59			
	105.11	4700	13.32	41385	1.77	MH147		421
	136.75	3612	10.24	38750	2.07	MV147	250M	431
	280.00	1764	5.00	32030	3.33	MW147		431
	336.78	1467	4.16	30390	3.77			
	67.71	7080	20.68	17000	0.84			
	95.92	5000	14.60	17900	1.06			

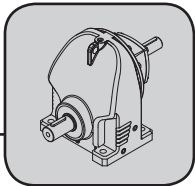
Helical Gear Units



1400 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
55 (75HP)	93.61	5280	14.96	19200	0.82	MH137	297
	101.82	4850	13.75	19100	0.88	MV137	297
	138.34	3570	10.12	18800	1.25	MW137	297
	173.91	2840	8.05	18100	1.31		
	287.75	1720	4.87	16200	1.32		
	346.18	1430	4.04	15600	1.55		
75 (100HP)	28.85	22646	48.52	53600	0.79	MH167	650
	31.92	20471	43.86	53500	0.88	MV167	674
	39.78	16425	35.19	52600	1.10		
	50.25	13003	27.86	51100	1.30		
	66.06	9890	21.19	48900	1.56		
	58.86	11443	23.78	51000	1.57		
	70.40	9567	19.89	49300	1.82		
	88.80	7586	15.77	46900	2.12	MH167	629
	102.52	6570	13.66	45300	2.34	MV167	649
	134.78	4998	10.39	42400	2.80		
	274.68	2452	5.10	34600	3.91		
	355.97	1892	3.93	32100	4.02		
	55.39	11795	25.27	43030	0.87	MH147	449
	70.03	9330	19.99	41965	1.02	MV147	299
						MW147	299
	89.65	7514	15.62	40130	1.17		
	105.11	6409	13.32	39035	1.30	MH147	436
	136.75	4926	10.24	36915	1.51	MV147	285
	280.00	2406	5.00	31135	2.44	MW147	285
	336.78	2000	4.16	29645	2.76		
90 (125HP)	39.78	19710	35.19	48900	0.91	MH167	650
	50.25	15603	27.86	48200	1.08	MV167	671
	66.06	11868	21.19	46700	1.30		
	58.86	13732	23.78	48700	1.31		
	70.40	11481	19.89	47400	1.52		
	88.80	9103	15.77	45400	1.77	MH167	629
	102.52	7885	13.66	44000	1.95	MV167	649
	134.78	5997	10.39	41400	2.33		
	274.68	2943	5.10	34000	3.26		
	355.97	2271	3.93	31700	3.35		
	70.03	11196	19.99	39400	0.85	MH147	449
						MV147	299
						MW147	299
	89.65	9016	15.62	38070	0.97		
	105.11	7690	13.32	37280	1.08	MH147	436
	136.75	5911	10.24	35535	1.26	MV147	285
	280.00	2887	5.00	30460	2.04	MW147	285
	336.78	2400	4.16	29085	2.30		
110 (150HP)	50.25	19071	27.86	44300	0.89	MH167	672
	66.06	14506	21.19	43700	1.06	MV167	687
	58.86	16783	23.78	45700	1.07		
	70.40	14032	19.89	44800	1.24		
	88.80	11125	15.77	43300	1.45	MH167	650
	102.52	9637	13.66	42300	1.60	MV167	662
	134.78	7330	10.39	40100	1.91		
	274.68	3597	5.10	33300	2.67		
	355.97	2775	3.93	31100	2.74		

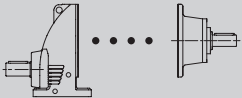


Helical Gear Units

Selection Tables[kW] L..D M..D XH.D

1400 Input Rpm

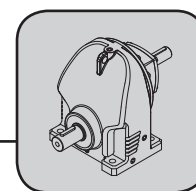
RX..D

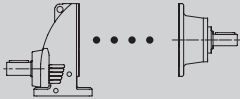
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]			m [kg]
RX57						65Nm		
5.47	256	37	1.0	2240	720	XHD57	Ø19	9
4.88	287	38	1.2	2150	710			
4.55	308	36	1.2	720	540			
4.05	346	32	1.2	920	550			
3.63	386	65	2.7	360	510			
3.19	439	64	3.0	220	500			
3.00	467	62	3.1	215	510			
2.23	628	53	3.6	195	530			
1.59	881	43	4.1	175	520	XHD57	Ø24	12
1.31	1069	42	4.8	165	540			
RX67						96Nm		
6.27	223	43	1.0	2790	930	XHD67	Ø19	12
5.47	256	43	1.2	2070	490			
4.95	283	39	1.2	1530	460			
4.53	309	36	1.2	1430	410			
3.52	398	87	3.7	570	300			
2.89	484	96	5.0	240	210			
2.72	515	89	4.9	235	260			
2.35	596	82	5.3	220	280	XHD67	Ø24	14
1.86	753	74	6.0	205	310			
1.62	864	66	6.2	195	340			
1.40	1000	59	6.6	185	350			
RX77								
8.09	173.1	56	1.1	5410	630	XHD77	Ø19	19
7.50	187	54	1.1	5290	650			
6.69	209	53	1.2	4100	510			
6.00	233	48	1.2	3920	490			
5.12	273	41	1.2	3540	480			
4.74	295	122	3.9	2160	1230	XHD77	Ø24	20
4.55	308	133	4.4	1780	1160			
4.19	334	143	5.2	1170	1070			
3.75	373	153	6.2	740	990			
3.25	431	169	7.9	390	920	XHD77	Ø38	25
2.67	524	132	7.5	360	1050			
2.38	588	135	8.6	350	1080			
2.13	657	130	9.3	335	1100			
1.96	714	115	8.9	325	1140			
1.66	843	103	9.4	310	1170			
RX87								
5.50	255	212	5.8	3620	1490	XHD87	Ø28	33
4.85	289	216	6.8	3150	1430			
4.43	316	289	9.9	1220	1240			
3.77	371	305	12.2	940	1110	XHD87	Ø38	38
3.54	395	300	12.8	500	1090			
3.19	439	284	13.5	470	1110			
2.83	495	267	14.3	450	1140			
2.52	556	251	15.1	430	2720			
2.26	619	236	15.8	420	2790	XHD87	Ø42	46
2.14	654	229	16.2	405	2820			
2.04	686	235	17.4	400	2760			
1.67	838	197	17.8	375	2970			

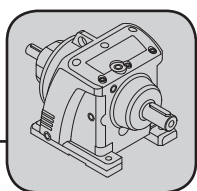
1400 Input Rpm

Helical Gear Units

Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
RX97							525Nm
5.65	248	375	10.0	7420	1050	XHD97 Ø28	47
4.96	282	400	12.2	6390	870	XHD97 Ø38	52
4.42	317	427	14.6	3720	740		
3.81	367	525	21	4070	2290	XHD97 Ø42	60
3.48	402	525	23	2380	2180		
3.07	456	525	26	2920	2220		
2.68	522	525	30	810	2950	XHD97 Ø48	67
2.32	603	490	32	750	2980		
2.25	622	465	31	740	2970		
2.12	660	465	33	730	3000		
1.89	741	437	35	700	3030		
1.71	819	454	40	680	3050		
RX107							808Nm
6.38	219	414	9.8	8530	1050	XHD107 Ø28	70
5.50	255	430	11.8	7940	1480	XHD107 Ø38	73
4.90	286	685	21	5030	2110	XHD107 Ø42	81
4.13	339	795	29	2450	1820		
3.37	415	786	35	1330	2630	XHD107 Ø48	87
3.12	449	808	39	1260	2590		
2.30	609	705	46	810	2640		
1.91	733	630	50	780	2700		
1.39	1007	510	55	670	2780		



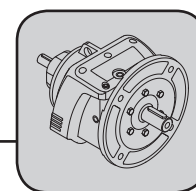
Helical Gear Units

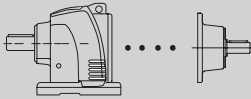
Selection Tables[kW] L..D M..D XH.D

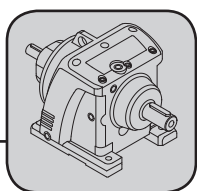
1400 Input Rpm

R..D

i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R17							85Nm
79.85	18	85	0.17	1770	690	MH17 MV17	Ø16 8 8
68.70	20	85	0.20	1770	680		
59.23	24	85	0.23	1770	670		
49.90	28	85	0.27	1770	650		
45.45	31	85	0.30	1770	660		
39.61	35	85	0.34	1770	650		
35.17	40	85	0.39	1770	630		
29.36	48	85	0.47	1630	610		
24.76	57	85	0.55	1480	580		
19.69	71	85	0.69	1290	530		
15.02	93	71	0.74	1270	280	MH17 MV17	Ø16 8 8
12.65	111	67	0.82	1210	280		
10.04	139	61	0.95	1130	310		
7.44	188	54	1.1	1030	300		
4.99	280	47	1.5	920	290		
4.05	346	43	1.7	860	300		
R37							200Nm
138.36	10	200	0.23	4950	600	LH37 LV37 LW37	Ø16 10 11 11
119.28	12	200	0.27	4950	600		
100.51	14	200	0.32	4950	580		
91.53	15	200	0.35	4950	580		
79.77	18	200	0.40	4920	570		
76.66	18	200	0.42	4840	480		
69.81	20	200	0.46	4660	490		
60.84	23	200	0.53	4410	480		
54.03	26	200	0.59	4200	470		
52.24	27	200	0.62	4060	370		
44.01	32	200	0.73	3770	350		
40.08	35	200	0.80	3630	630	LH37 LV37 LW37	Ø19 11 12 11
34.93	40	200	0.92	3410	630		
31.02	45	200	1.0	3240	610		
25.89	54	193	1.2	2990	590		
24.50	57	189	1.2	3010	450	LH37 LV37 LW37	Ø19 10 11 11
22.09	63	170	1.2	2890	470		
19.95	70	154	1.2	2780	440		
17.89	78	138	1.2	2650	460		
15.75	89	189	1.9	2500	400		
13.07	107	181	2.2	2330	390		
11.73	119	175	2.3	2250	400		
10.02	140	166	2.6	2130	420		
8.50	165	157	2.9	2020	360		
6.74	208	133	3.1	1880	320		
5.75	243	126	3.4	1780	290		
4.88	287	119	3.8	1690	220		
4.00	350	112	4.4	1580	180		



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R47							300Nm
178.83	8	300	0.27	5420	700	LH47 LV47 LW47	Ø16 17 17 17
160.40	9	300	0.30	5420	690		
138.19	10	300	0.35	5420	690		
126.22	11	300	0.38	5420	690		
110.34	13	300	0.44	5420	670		
99.46	14	300	0.48	5420	680		
89.82	16	300	0.54	5420	660		
80.58	17	300	0.60	5420	670		
77.84	18	300	0.62	5420	580		
70.91	20	300	0.68	5420	640		
63.37	22	300	0.76	5420	790	LH47 LV47 LW47	Ø19 17 18 17
58.84	24	300	0.82	5420	810		
52.84	27	300	0.91	5420	810		
45.13	31	300	1.1	5420	810		
41.51	34	300	1.2	5420	770		
37.28	38	278	1.2	5420	760		
31.83	44	300	1.5	4895	740		
27.19	51	300	1.8	4570	740		
25.01	56	300	1.9	4400	660		
22.46	62	300	2.2	4195	660		
24.70	57	300	1.9	4615	590	LH47 LV47 LW47	Ø19 17 17 16
23.02	61	300	2.0	4480	560		
20.49	68	300	2.3	4260	570		
18.37	76	300	2.6	4065	540		
15.18	92	300	3.1	3740	510		
11.27	124	286	4.0	3325	480		
8.06	174	256	5.0	2975	420	LH47 LV47 LW47	Ø24 19 19 18
6.79	206	213	4.9	2760	310		
4.85	288	190	6.1	2465	280		
3.99	351	179	7.0	2310	320		
R57							450Nm
182.99	8	450	0.40	7110	610	LH57 LV57 LW57	Ø16 19 21 19
164.13	9	450	0.44	7110	600		
141.40	10	450	0.51	7110	600		
129.16	11	450	0.56	7110	600		
112.90	12	450	0.64	7110	570		
101.77	14	450	0.71	7110	580		
91.91	15	450	0.79	7110	560		
82.45	17	450	0.88	6920	570		
79.65	18	450	0.91	6830	460		
72.56	19	450	1.0	6560	530		
64.84	22	450	1.1	6250	720	LH57 LV57 LW57	Ø19 19 22 20
60.21	23	450	1.2	6060	760		
54.07	26	404	1.2	5780	760		
46.18	30	345	1.2	5390	760		
42.48	33	317	1.2	5190	690		
38.14	37	285	1.2	4990	700		
32.33	43	363	1.8	4640	700		
27.61	51	345	2.0	4400	710		
25.40	55	335	2.1	4280	640		
22.81	61	324	2.3	4130	640		



Helical Gear Units

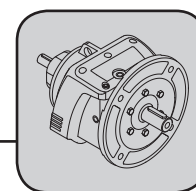
Selection Tables[kW] L..D M..D XH.D

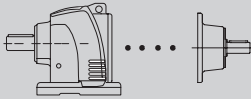
1400 Input Rpm

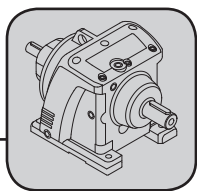
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R57							450Nm
25.27	55	382	2.4	4350	500	LH57 LV57 LW57 Ø19	19
23.55	59	373	2.5	4250	480		21
20.96	67	359	2.7	4090	510		19
18.80	74	346	2.9	3940	490		
15.53	90	325	3.3	3700	490		
11.53	121	294	4.0	3350	480		
8.24	170	263	5.0	3000	410	LH57 LV57 LW57 Ø24	21
6.89	203	217	4.9	2770	310		23
4.93	284	194	6.1	2480	280		21
4.06	345	182	7.0	2320	320		
R67							600Nm
199.88	7	600	0.48	7560	800	LH67 LV67 LW67 Ø19	26
169.10	8	600	0.57	7560	850		28
151.03	9	600	0.64	7560	910		25
140.75	10	600	0.69	7560	930		
125.28	11	600	0.77	7560	980		
112.34	12	600	0.86	7560	970		
98.69	14	600	0.98	7560	990		
92.80	15	600	1.0	7560	1020		
78.59	18	600	1.2	7390	580		
68.90	20	514	1.2	6980	1030		
63.07	22	471	1.2	6320	570		
58.23	24	435	1.2	6480	680		
52.21	27	390	1.2	6170	660		
45.87	31	600	2.1	5820	670		
41.22	34	501	2.0	5570	770		
38.75	36	490	2.0	5455	800		
32.02	44	556	2.8	5075	750		
28.77	49	444	2.5	4940	870		
22.90	61	498	3.5	4540	750	LH67 LV67 LW67 Ø24	28
							29
							27
24.14	58	506	3.3	4620	410	LH67 LV67 LW67 Ø19	25
21.33	66	486	3.6	4430	420		26
18.79	74	466	3.9	4250	450		24
15.41	91	436	4.4	3975	490		
12.53	112	407	5.1	3710	500	LH67 LV67 LW67 Ø24	26
9.90	141	376	5.9	3430	520		28
6.06	231	264	6.8	2940	290		25
5.23	267	252	7.5	2800	310		
4.14	338	233	8.8	2590	340		

1400 Input Rpm

Helical Gear Units Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R77						750Nm	
194.80	7	750	0.62	8620	690	LH77 LV77 LW77 Ø19	34
170.05	8	750	0.71	8620	750		40
153.87	9	750	0.78	8620	770		36
140.70	10	750	0.86	8620	830		
124.34	11	750	0.97	8620	840		
109.54	13	750	1.1	8620	870		
89.80	16	671	1.2	8620	900		
84.62	17	632	1.2	8620	920		
73.05	19	750	1.7	8100	920		
57.73	24	750	2.1	7320	910		
53.24	26	750	2.3	7060	460		
46.90	30	750	2.6	6670	470		
39.31	36	667	2.7	6100	560		
37.04	38	654	2.8	5980	570		
31.97	44	623	3.1	5700	600	LH77	34
25.27	55	576	3.7	5270	650	LV77 LW77	40 36
23.31	60	661	4.4	5080	230	LH77	32
18.08	77	607	5.2	4670	330	LV77 LW77	38 34
14.83	94	568	6.0	4370	320	LH77 LV77 LW77	32 38 34
13.21	106	547	6.5	4200	1570	LH77 LV77 LW77 Ø38	37 43 39
11.85	118	527	6.9	4050	1590		
10.91	128	513	7.3	3940	1580		
9.21	152	485	8.2	3730	1590		
5.78	242	352	9.5	3220	1420		
4.78	293	330	10.8	3020	1420		
4.03	347	312	12.1	2860	1430		



Helical Gear Units

Selection Tables[kW] L..D M..D XH.D

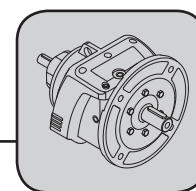
1400 Input Rpm

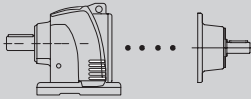
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R87							1550Nm
201.38	7	1504	1.2	16900	590	LH87 LV87 LW87 Ø19	62 65 61
179.70	8	1342	1.2	16900	570		
161.11	9	1203	1.2	16900	570		
137.42	10	1026	1.2	16900	560		
122.17	11	1550	2.0	16900	510		
112.52	12	1550	2.2	16900	500		
87.27	16	1550	2.9	16900	500		
71.60	20	1486	3.3	16900	450		
63.77	22	1429	3.6	16900	450	LH87 LV87 LW87 Ø28	63 67 63
61.54	23	1413	3.7	16900	370		
54.81	26	1359	4.0	16900	400		
49.16	28	1311	4.3	16500	410		
45.27	31	1275	4.5	16100	1590	LH87 LV87 LW87 Ø38	67 71 67
38.20	37	1205	5.1	15200	1580		
31.73	44	950	4.8	14400	1440		
24.29	58	869	5.8	13100	1400		
20.06	70	815	6.5	12300	1380		
22.83	61	1015	6.9	12800	1080	LH87 LV87 LW87 Ø38	65 69 65
19.83	71	968	7.6	12200	1080		
17.51	80	929	8.3	11700	1100		
15.29	92	888	9.1	11200	3380	LH87 LV87 LW87 Ø42	73 77 73
12.98	108	841	10.1	10600	3440		
11.33	124	804	11.1	10100	3380		
10.66	131	787	11.5	9930	3410		
9.15	153	748	12.7	9440	3390		
6.78	207	568	13.1	8590	2620		
5.75	243	538	14.6	8130	2650		
4.73	296	504	16.6	7610	2630		
4.06	345	479	18.4	7240	2600		

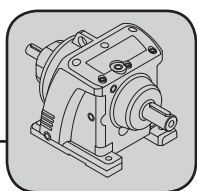
1400 Input Rpm

Helical Gear Units

Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R97							3000Nm
199.06	7	3000	2.4	18100	620	LH97 LV97 LW97 Ø28	101 108 97
181.06	8	3000	2.7	18100	620		
166.33	8	3000	2.9	18100	550		
144.53	10	3000	3.3	18100	530		
127.61	11	3000	3.8	18100	520		
111.42	13	3000	4.3	18100	510		
97.76	14	3000	4.9	18100	390		
94.59	15	3000	5.1	18100	500		
85.35	16	3000	5.7	18100	1590	LH97 LV97 LW97 Ø38	104 111 100
82.59	17	3000	5.8	18100	1650		
77.70	18	3000	6.2	18100	1660		
72.46	19	3000	6.7	18100	1580		
66.71	21	3000	7.2	18100	1620		
63.27	22	3000	7.6	18100	1530		
59.52	24	3000	8.1	18100	1530		
51.10	27	3000	9.4	18100	1490		
44.57	31	2849	10.3	17500	1200	LH97 LV97 LW97 Ø42	113 120 109
37.84	37	2759	11.7	16400	3580		
28.98	48	2525	14.0	15000	3210		
25.31	55	2413	15.3	14300	3150	LH97 LV97 LW97 Ø42	110 114 103
33.00	42	2784	13.2	16700	2500		
29.10	48	2720	14.6	15800	2500		
21.23	66	2568	18.9	14000	2480	LH97 LV97 LW97 Ø48	117 121 110
16.96	83	2545	23	12600	3330		
13.56	103	2376	27	11700	3310		
10.00	140	2147	33	10500	3280		
8.49	165	1668	31	9980	2760		
6.78	206	1547	36	9260	2750		
5.42	258	1436	41	8590	2740		
4.00	350	1298	51	7760	2690		
R107							4300Nm
115.50	12	4300	6.0	29500	1590	MH107 MV107 MW107 Ø38	160 163 152
106.76	13	4300	6.5	29500	1560		
103.02	14	4300	6.7	29500	1440		
86.50	16	4300	8.0	29500	1320		
79.95	18	4300	8.6	28600	1260		
68.27	21	4300	10.1	26400	1120		
62.90	22	4300	11.0	25700	4040	MH107 MV107 MW107 Ø42	168 171 161
53.71	26	4300	12.9	23600	3790		
53.00	26	4300	13.0	23900	3760		
44.50	31	4300	15.5	21800	4900	MH107 MV107 MW107 Ø48	174 177 167
39.52	35	4300	17.5	20800	4630		
34.23	41	4128	19.4	19500	5330		
29.23	48	3803	21	18500	5190		
25.52	55	3743	24	17700	4960		
21.79	64	3449	25	16800	4800		
13.09	107	2601	32	14200	4230		
24.40	57	3793	24	17400	3200	MH107 MV107 MW107 Ø48	164 167 156
21.77	64	3652	26	16700	2840		
14.38	97	3092	34	14600	3110		
10.44	134	2859	43	13100	3590		
4.50	311	1822	63	9980	2930		
4.00	350	1753	68	9600	2610		



Helical Gear Units

Selection Tables[kW] L..D M..D XH.D

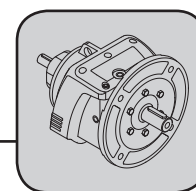
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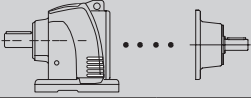
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R137							7000Nm
117.25	12	7000	9.6	37500	3750	MH137 MV137 MW137 Ø42	254
107.80	13	7000	10.4	37500	3590		266
99.66	14	7000	11.3	37500	3440		250
91.63	15	7000	12.3	37500	3260		
79.05	18	7000	14.2	37400	2900		
70.35	20	7000	16.0	35600	2650		
59.14	24	7000	19.0	32900	4340	MH137 MV137 MW137 Ø48	260
54.38	26	7000	21	31500	4110		271
50.13	28	7000	22	29800	3860		255
44.49	31	7000	25	28600	3460		
43.25	32	7000	26	27700	3370		
35.39	40	7000	32	25000	3130		
32.81	43	7000	34	24100	6240	MH137 MV137 MW137 Ø55	272
24.24	58	6254	41	20500	5960		284
20.68	68	5932	46	19500	6110		268
14.60	96	5282	58	17300	5720		
23.45	60	2786	18.5	28500	2520		243
21.56	65	2868	21	27400	2410	MH137 MV137 MW137 Ø42	255
17.15	82	2771	25	24900	2180		239
14.96	94	4335	45	21000	5820		
13.75	102	4247	48	20200	5700		261
10.12	138	4472	69	17100	5380		272
8.05	174	3710	72	16400	5280	MH137 MV137 MW137 Ø55	257
4.87	288	2266	73	15000	5260		
4.04	346	2216	85	13900	5130		
R147							13000Nm
117.29	12	13000	17.8	62700	2800	MH147 MV147 MW147 Ø42	398
109.03	13	13000	19.2	62700	2740		390
							374
99.44	14	13000	21	62700	4170	MH147 MV147 MW147 Ø48	402
89.86	16	13000	23	62700	4100		394
83.30	17	13000	25	62700	4020		378
70.80	20	13000	30	62700	3880		
60.38	23	13000	35	61300	3770		
50.49	28	12994	41	56800	6560	MH147 MV147 MW147 Ø55	416
44.98	31	12501	45	54600	5940		407
41.70	34	12189	47	53200	5930		392
35.44	40	11546	52	50400	5950		
30.23	46	10950	58	47800	5970		
25.27	55	10316	66	45100	8450	MH147 MV147 MW147 Ø70	439
19.99	70	9541	77	41700	8450		431
							415
15.62	90	8787	88	38400	7440		439
13.32	105	8333	98	36400	7480		431
10.24	137	7462	114	33400	7070	MH147 MV147 MW147 Ø70	415
5.00	280	5877	183	26300	6910		
4.16	337	5526	207	24700	6810		

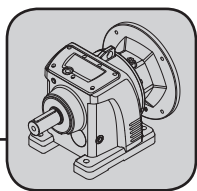
1400 Input Rpm

Helical Gear Units

Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R167							18000Nm
178.17	8	18000	16.2	88200	2870	MH167 MV167	Ø42 579 578
169.42	8	18000	17.1	88200	2890		
158.37	9	18000	18.3	88200	2860		
139.60	10	18000	21	88200	2790		
121.56	12	18000	24	88200	4110	MH167 MV167	Ø48 588 586
109.89	13	18000	26	86000	4140		
101.64	14	18000	28	83400	4030		
88.17	16	18000	33	78700	3940		
80.58	17	18000	36	75800	3850	MH167 MV167	Ø55 598 596
69.80	20	18000	41	71400	3730		
60.56	23	18000	48	67300	6570		
53.92	26	18000	54	61700	5860		
48.52	29	18000	60	58900	5420	MH167 MV167	Ø70 617 615
43.86	32	18000	66	56200	5460		
35.19	40	18000	82	50800	7860		
27.86	50	16900	97	46800	7850		
21.19	66	15400	117	42700	7820	MH167 MV167	Ø55 639 637
23.78	59	18000	118	44500	3300		
19.89	70	17400	136	41400	6100	MH167 MV167	Ø70 658 656
15.77	89	16100	159	38400	6150		
13.66	103	15400	176	36600	6190		
10.39	135	14000	210	33400	6140		
5.10	275	9600	294	26500	4640		
3.93	356	7600	301	25700	5340		

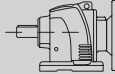
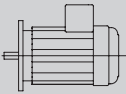


Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

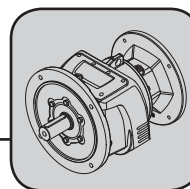
3.4 選型表 1750Rpm Selection Tables
R..F/..M

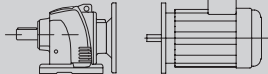
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.12 (0.16HP)	0.39	2461	4514	18100	1.22	LH97 R57	110
	0.44	2191	4018	18100	1.37	LV97 R57	63 117
	0.50	1896	3477	18100	1.58	LW97 R57	106
	0.38	2623	4666	18100	1.14	LH97 R57 LV97 R57 LW97 R57	63 108 112 101
	0.41	2396	4262	18100	1.25		
	0.47	2094	3726	18100	1.43		
	0.58	1687	3002	18100	1.78		
	0.65	1503	2675	18100	2.00		
	0.73	1347	2397	18100	2.23		
	0.81	1214	2161	18100	2.47		
	1.00	984	1750	18100	3.05		
	1.03	950	1691	18100	3.16		
		0.58	1689	3006	18100		
0.62		1583	2816	18100	1.90		
0.75		1313	2336	18100	2.28		
0.84		1177	2095	18100	2.55		
0.95		1033	1838	18100	2.90		
1.01		973	1730	18100	3.08		
1.13		873	1553	18100	3.44		
1.25		788	1402	18100	3.81		
1.36		722	1285	18100	4.15		
		0.73	1314	2410	16900	1.14	LH87 R57
	0.79	1208	2216	16900	1.24	LV87 R57	63 81
	0.89	1078	1977	16900	1.39	LW87 R57	77
	0.68	1448	2577	16900	1.04		
	0.75	1306	2323	16900	1.15	LH87 R57 LV87 R57 LW87 R57	63 75 79 75
	0.83	1179	2098	16900	1.27		
	0.93	1058	1882	16900	1.42		
	0.96	1022	1818	16900	1.47		
	1.06	931	1656	16900	1.61	LH87 R57 LV87 R57 LW87 R57	63 77 80 76
	1.07	922	1641	16900	1.63		
	1.29	762	1355	16900	1.97		
	1.57	625	1112	16900	2.40		
	1.74	566	1006	16900	2.65		
	2.12	464	826	16900	3.23		
	2.38	413	735	16900	3.63		
	2.77	355	632	16900	4.22		
	2.96	332	590	16900	4.52	LH77 R37 LV77 R37 LW77 R37	63 39 45 41
	1.39	708	1259	8620	1.06		
	1.59	618	1100	8620	1.21		
	1.71	577	1026	8620	1.30		
	1.87	525	934	8620	1.43	LH77 R37 LV77 R37 LW77 R37	63 40 46 42
	1.40	700	1246	8620	1.07		
	1.66	594	1056	8620	1.26		
	1.88	523	931	8620	1.43		
	2.09	471	838	8620	1.59		
	2.45	402	715	8620	1.86		
	2.89	341	607	8620	2.20		
		3.40	298	515	8620		
3.76		269	465	8620	2.78	LV77 R37	63 44
4.20		242	417	8620	3.10	LW77 R37	40
4.77		213	367	8620	3.53		
	2.05	481	855	7560	1.25	LH67 R37 LV67 R37	63 34 35
	2.35	419	745	7560	1.43		
	2.64	372	662	7560	1.61		

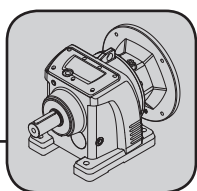
1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

Helical Gear Units



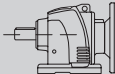
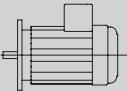
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
0.12 (0.16HP)	3.17	310	552	7560	1.93	LW67 R37	33
	3.60	273	487	7560	2.19		
	2.09	471	839	7560	1.27		
	2.31	425	757	7560	1.41	LH67 R37	35
	2.71	363	646	7560	1.65	LV67 R37	36
	3.19	308	548	7560	1.95	LW67 R37	34
	3.89	253	449	7560	2.38		
	2.23	441	784	7110	1.02		
	2.67	368	654	7110	1.22	LH57 R37	28
	2.87	343	610	7110	1.31	LV57 R37	31
	3.22	305	543	7110	1.48	LW57 R37	29
	3.60	274	487	7110	1.64		
	4.35	226	402	7110	1.99		
	2.55	385	686	7110	1.17		
	2.99	329	586	7110	1.37	LH57 R37	28
	3.52	279	496	7110	1.61	LV57 R37	31
	4.30	229	407	7110	1.97	LW57 R37	29
	4.76	207	368	7110	2.18		
	4.72	215	371	7110	2.09		
	5.30	191	330	7110	2.35		
	5.69	178	308	7110	2.52	LH57 R37	28
	6.33	160	276	7110	2.81	LV57 R37	30
	7.41	137	236	7110	3.29	LW57 R37	28
	8.15	124	215	7110	3.62		
	3.61	273	485	5420	1.10	LH47 R37	27
	4.40	224	398	5420	1.34	LV47 R37	27
						LW47 R37	26
	3.89	261	450	5420	1.15		
	4.31	235	406	5420	1.28		
	4.78	212	366	5420	1.41	LH47 R37	26
	5.32	190	329	5420	1.57	LV47 R37	26
	6.05	168	289	5420	1.79	LW47 R37	25
	7.29	139	240	5420	2.16		
	8.12	125	216	5420	2.40		
	9.50	107	184	5420	2.81		
	8.76	119	199.88	7560	5.03	LH67	26
	10.35	101	169.10	7560	5.94	LV67	24
						LW67	22
	9.56	109	182.99	7110	4.12	LH57	20
	10.66	98	164.13	7110	4.59	LV57	23
	12.38	84	141.40	7110	5.33	LW57	21
	13.55	77	129.16	7110	5.83		
	9.79	107	178.83	5420	2.81		
	10.91	96	160.40	5420	3.13		
	12.66	83	138.19	5420	3.63	LH47	19
	13.86	75	126.22	5420	3.98	LV47	17
	15.86	66	110.34	5420	4.55	LW47	17
	17.60	59	99.46	5420	5.05		
	19.48	54	89.82	5420	5.59		
	12.65	83	138.36	4950	2.42		
	14.67	71	119.28	4950	2.81		
	17.41	60	100.51	4950	3.33	LH37	11
	19.12	55	91.53	4950	3.66	LV37	12
	21.94	48	79.77	4950	4.20	LW37	11
	22.83	46	76.66	4950	4.37		
	25.07	42	69.81	4950	4.80		
	28.76	36	60.84	4840	5.50		
	21.92	48	79.85	1770	1.78		

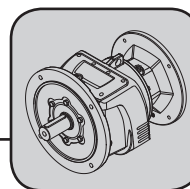


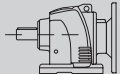
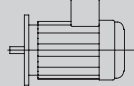
Helical Gear Units

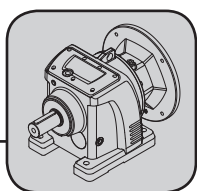
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.12 (0.16HP)	25.47	41	68.70	1770	2.07	MH17 MV17	63	8
	29.55	35	59.23	1770	2.40			8
	35.07	30	49.90	1770	2.85			
	38.51	27	45.45	1770	3.13			
	44.18	24	39.61	1770	3.59			
	49.76	21	35.17	1770	4.05			
	59.61	18	29.36	1770	4.85			
	70.67	15	24.76	1770	5.75			
	279.11	4	6.27	2950	10.80			12
	319.93	3	5.47	2450	10.65			10
0.18 (0.25HP)	358.61	3	4.88	2360	12.26	MH147 R77 MV147 R77 MW147 R77	63	404
	0.09	15162	18540	62700	0.86			396
	0.10	13719	16776	62700	0.95			380
	0.11	12545	15340	62700	1.04			
	0.13	11086	13556	62700	1.17			
	0.15	9767	11942	62700	1.33			
	0.18	8007	9791	62700	1.62			
	0.21	6882	8415	62700	1.89			
	0.24	5941	7264	62700	2.19			
	0.28	5147	6294	62700	2.53			
	0.33	4330	5294	62700	3.00	MH137 R77 MV137 R77 MW137 R77	63	264
	0.38	3814	4664	62700	3.41			275
	0.43	3302	4038	62700	3.94			259
	0.50	2851	3486	62700	4.56			
	0.17	8611	10529	37500	0.81			
	0.20	7004	8565	37500	1.00			
	0.24	5954	7280	37500	1.18			
	0.26	5535	6769	37500	1.26			
	0.28	5105	6243	37500	1.37			
	0.30	4694	5739	37500	1.49			
	0.35	4135	5056	37500	1.69	MH137 R77 MV137 R77 MW137 R77	63	252
	0.41	3465	4237	37500	2.02			264
	0.44	3265	3993	37500	2.14			248
	0.38	3851	4568	37500	1.82			
	0.44	3362	3988	37500	2.08			
	0.49	3042	3608	37500	2.30			
	0.53	2782	3299	37500	2.52			
	0.60	2458	2916	37500	2.85			
	0.38	3766	4605	29500	1.14			182
	0.46	3121	3816	29500	1.38			185
	0.59	2422	2961	29500	1.78	MH107 R77 MV107 R77 MW107 R77	63	174
	0.47	3120	3701	29500	1.38			
	0.52	2824	3349	29500	1.52			
	0.57	2582	3062	29500	1.67			
	0.65	2282	2706	29500	1.88			
	0.73	2010	2384	29500	2.14			
	0.90	1648	1955	29500	2.61			
	0.94	1570	1862	29500	2.74			
	1.15	1288	1528	29500	3.34			
	1.29	1147	1361	29500	3.75			
	1.43	1029	1221	29500	4.18	LH97 R57 LV97 R57	63	180
	0.65	2255	2675	18100	1.33			183
	0.73	2021	2397	18100	1.48			172
	0.81	1822	2161	18100	1.65			
	1.00	1476	1750	18100	2.03			
	1.03	1426	1691	18100	2.10			
	1.14	1299	1541	18100	2.31			
	1.27	1161	1377	18100	2.58			
								108
								112



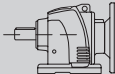
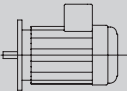
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.18 (0.25HP)	1.37	1078	1278	18100	2.78	LW97 R57	101
	1.59	927	1099	18100	3.24		
	1.78	827	980	18100	3.63		
	1.91	773	917	18100	3.88		
	2.16	683	810	18100	4.39		
	2.39	618	733	18100	4.86		
	0.62	2374	2816	18100	1.26	LH97 R57	109
	0.75	1969	2336	18100	1.52	LV97 R57	63 116
	0.84	1766	2095	18100	1.70	LW97 R57	105
	1.18	1248	1480	16900	1.20		
	1.27	1159	1374	16900	1.29	LH87 R57	75
	1.42	1040	1234	16900	1.44	LV87 R57	63 79
	1.66	889	1054	16900	1.69	LW87 R57	75
	1.91	772	916	16900	1.94		
	2.08	710	842	16900	2.11		
	1.07	1383	1641	16900	1.08		
	1.29	1143	1355	16900	1.31	LH87 R57	77
	1.57	937	1112	16900	1.60	LV87 R57	63 80
	1.74	848	1006	16900	1.77	LW87 R57	76
	2.12	696	826	16900	2.16		
	2.38	620	735	16900	2.42		
	2.15	686	814	8620	1.09	LH77 R37	39
	2.42	610	723	8620	1.23	LV77 R37	63 45
	2.90	509	603	8620	1.47	LW77 R37	41
	3.12	473	561	8620	1.59		
	2.09	706	838	8620	1.06	LH77 R37	40
	2.45	603	715	8620	1.24	LV77 R37	63 46
	2.89	511	607	8620	1.47	LW77 R37	42
	3.40	447	515	8620	1.68		
	3.76	404	465	8620	1.86	LH77 R37	38
	4.20	363	417	8620	2.07	LV77 R37	63 44
	4.77	319	367	8620	2.35	LW77 R37	40
	5.75	265	305	8620	2.83		
	6.40	238	273	8620	3.16		
	3.17	466	552	7560	1.29	LH67 R37	34
	3.60	410	487	7560	1.46	LV67 R37	63 35
						LW67 R37	33
	2.71	545	646	7560	1.10	LH67 R37	35
	3.19	462	548	7560	1.30	LV67 R37	63 36
	3.89	379	449	7560	1.58	LW67 R37	34
	4.71	313	371	7560	1.92		
	4.11	370	426	7560	1.62		
	4.58	332	382	7560	1.81	LH67 R37	33
	5.21	292	336	7560	2.05	LV67 R37	63 35
	5.91	257	296	7560	2.33	LW67 R37	33
	6.28	242	279	7560	2.48		
	3.60	410	487	7110	1.10		
	4.35	339	402	7110	1.33	LH57 R37	28
	2.99	494	586	7110	0.91	LV57 R37	63 31
	3.52	419	496	7110	1.08	LW57 R37	29
	4.30	343	407	7110	1.31		
	4.76	310	368	7110	1.45		
	4.72	322	371	7110	1.40		
	5.30	287	330	7110	1.57		
	5.69	267	308	7110	1.68	LH57 R37	28
	6.33	240	276	7110	1.87	LV57 R37	63 30
	7.41	205	236	7110	2.19	LW57 R37	28
	8.15	187	215	7110	2.41		



Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

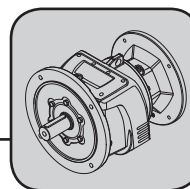
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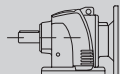
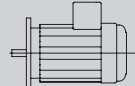
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.18 (0.25HP)	11.03	138	159	7110	3.26			
	5.32	286	329	5420	1.05			
	6.05	251	289	5420	1.19	LH47 R37		26
	7.29	209	240	5420	1.44	LV47 R37	63	26
	8.12	187	216	5420	1.60	LW47 R37		25
	9.50	160	184	5420	1.87			
	8.98	175	194.80	8620	4.30	LH77		32
	10.29	152	170.05	8620	4.92	LV77	63	37
	11.37	138	153.87	8620	5.44	LW77		33
	12.44	126	140.70	8620	5.95			
	8.76	179	199.88	7560	3.35			
	10.35	152	169.10	7560	3.96			
	11.59	135	151.03	7560	4.43	LH67		26
	12.43	126	140.75	7560	4.76	LV67	63	24
	13.97	112	125.28	7560	5.34	LW67		22
	15.58	101	112.34	7560	5.96			
	9.56	164	182.99	7110	2.74			
	10.66	147	164.13	7110	3.06			
	12.38	127	141.40	7110	3.55	LH57		20
	13.55	116	129.16	7110	3.89	LV57	63	23
	15.50	101	112.90	7110	4.45	LW57		21
	17.20	91	101.77	7110	4.93			
	19.04	82	91.91	7110	5.46			
	9.79	160	178.83	5420	1.87			
	10.91	144	160.40	5420	2.09			
	12.66	124	138.19	5420	2.42			
	13.86	113	126.22	5420	2.65			
	15.86	99	110.34	5420	3.03	LH47		19
	17.60	89	99.46	5420	3.37	LV47	63	17
	19.48	80	89.82	5420	3.73	LW47		17
	21.72	72	80.58	5420	4.16			
	22.48	70	77.84	5420	4.30			
	24.68	64	70.91	5420	4.72			
	27.62	57	63.37	5420	5.28			
	29.74	53	58.84	5420	5.69			
	12.65	124	138.36	4950	1.61			
	14.67	107	119.28	4950	1.87			
	17.41	90	100.51	4950	2.22			
	19.12	82	91.53	4950	2.44			
	21.94	71	79.77	4950	2.80	LH37		11
	22.83	69	76.66	4950	2.91	LV37	63	12
	25.07	63	69.81	4945	3.20	LW37		11
	28.76	55	60.84	4750	3.67			
	32.39	48	54.03	4585	4.13			
	33.50	47	52.24	4520	4.27			
	39.76	39	44.01	4295	5.07			
	43.66	36	40.08	4175	5.57			
	21.92	72	79.85	1770	1.19			
	25.47	62	68.70	1770	1.38			
	29.55	53	59.23	1770	1.60			
	35.07	45	49.90	1770	1.90			
	38.51	41	45.45	1770	2.09	MH17		8
	44.18	35	39.61	1770	2.40	MV17	63	8
	49.76	32	35.17	1770	2.70			
	59.61	26	29.36	1770	3.23			
	70.67	22	24.76	1770	3.83			
	88.88	18	19.69	1770	4.82			
	116.53	14	15.02	1770	5.15	MH17	63	8

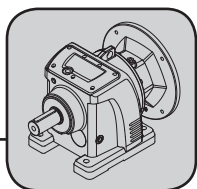
1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

Helical Gear Units



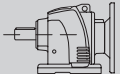
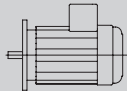
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]		
0.18 (0.25HP)	138.30	12	12.65	1760	5.72	MV17		7		
	279.11	6	6.27	2940	7.20					
	319.93	5	5.47	2810	8.33					
	353.54	5	4.95	2700	8.33					
	386.31	4	4.53	2640	8.33					
	319.93	5	5.47	2440	7.10	XH67	63	12		
	358.61	5	4.88	2350	8.18					
	384.62	4	4.55	2280	8.33					
	432.10	4	4.05	2220	8.33					
	482.09	3	3.63	2125	18.80					
0.25 (0.34HP)	0.18	11121	9791	62700	1.17	MH147 R77 MV147 R77 MW147 R77	71	404		
	0.21	9558	8415	62700	1.36			396		
	0.24	8251	7264	62700	1.58			380		
	0.28	7149	6294	62700	1.82					
	0.33	6014	5294	62700	2.16					
	0.38	5298	4664	62700	2.45					
	0.43	4587	4038	62700	2.83					
	0.50	3960	3486	62700	3.28					
	0.61	3263	2873	62700	3.98	MH137 R77 MV137 R77 MW137 R77	71	264		
	0.30	6519	5739	37500	1.07			275		
	0.35	5743	5056	37500	1.22			259		
	0.41	4813	4237	37500	1.45					
	0.44	4535	3993	37500	1.54					
	0.38	5349	4568	37500	1.31			252		
	0.44	4669	3988	37500	1.50			264		
	0.49	4225	3608	37500	1.66			248		
	0.53	3863	3299	37500	1.81	MH137 R77 MV137 R77 MW137 R77	71	261		
	0.60	3414	2916	37500	2.05			273		
	0.64	3200	2733	37500	2.19			257		
	0.70	2942	2513	37500	2.38					
	0.75	2720	2323	37500	2.57					
	0.83	2482	2120	37500	2.82					
	0.97	2110	1802	37500	3.32					
	1.13	1814	1549	37500	3.86					
	1.26	1627	1389	37500	4.30	MH107 R77 MV107 R77 MW107 R77	71	182		
	1.37	1498	1279	37500	4.67			185		
	0.59	3363	2961	29500	1.28			174		
	0.57	3586	3062	29500	1.20			171		
								175		
								164		
	0.94	2181	1862	29500	1.97	MH107 R77 MV107 R77 MW107 R77	71	180		
	1.15	1789	1528	29500	2.40			183		
	1.29	1594	1361	29500	2.70			172		
	1.43	1430	1221	29500	3.01					
	1.56	1316	1124	29500	3.27					
	1.84	1111	949	29500	3.87					
	2.20	933	796	29500	4.61					
	1.00	2050	1750	18100	1.46	LH97 R57	71	108		
	1.03	1980	1691	18100	1.52	LV97 R57		112		
						LW97 R57		101		
	0.95	2152	1838	18100	1.39	LH97 R57 LV97 R57 LW97 R57	71	109		
	1.01	2026	1730	18100	1.48			116		
	1.13	1818	1553	18100	1.65			105		
	1.25	1642	1402	18100	1.83					
	1.36	1504	1285	18100	1.99					
	1.60	1277	1091	18100	2.35					

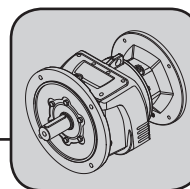


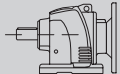
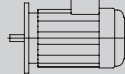
Helical Gear Units

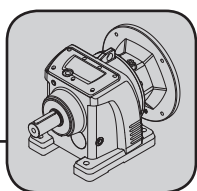
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.25 (0.34HP)	1.84	1115	952	18100	2.69			
	2.09	978	835	18100	3.07	LH97 R57		109
	2.28	899	768	18100	3.34	LV97 R57	71	116
	2.60	789	674	18100	3.80	LW97 R57		105
	1.42	1445	1234	16900	1.04	LH87 R57		75
	1.66	1234	1054	16900	1.22	LV87 R57	71	79
	1.91	1073	916	16900	1.40	LW87 R57		75
	2.08	986	842	16900	1.52			
	1.57	1302	1112	16900	1.15			
	2.12	967	826	16900	1.55			
	2.38	861	735	16900	1.74	LH87 R57		77
	2.77	740	632	16900	2.03	LV87 R57	71	80
	2.96	691	590	16900	2.17	LW87 R57		76
	3.35	611	522	16900	2.45			
	3.98	515	440	16900	2.91			
	6.65	308	263	16900	4.86			
	3.12	657	561	8620	1.14	LH77 R37		39
						LV77 R37	71	45
						LW77 R37		41
	3.27	626	534	8620	1.20			
	3.52	582	497	8620	1.29	LH77 R37		40
	3.99	513	438	8620	1.46	LV77 R37	71	46
	4.71	435	371	8620	1.73	LW77 R37		42
	5.56	369	315	8620	2.04			
	3.40	621	515	8620	1.21			
	3.76	561	465	8620	1.34			
	4.20	503	417	8620	1.49	LH77 R37		38
	4.77	443	367	8620	1.69	LV77 R37	71	44
	5.75	368	305	8620	2.04	LW77 R37		40
	6.40	330	273	8620	2.27			
	7.49	282	234	8620	2.66			
	4.71	435	371	7560	1.38	LH67 R37		35
						LV67 R37	71	36
						LW67 R37		34
	4.11	514	426	7560	1.17			
	4.58	461	382	7560	1.30			
	5.21	406	336	7560	1.48			
	5.91	357	296	7560	1.68	LH67 R37		33
	6.28	337	279	7560	1.78	LV67 R37	71	35
	6.99	302	250	7560	1.99	LW67 R37		33
	7.94	266	221	7560	2.25			
	8.18	258	214	7560	2.32			
	9.65	219	181	7560	2.74			
	10.96	193	160	7560	3.11			
	5.30	399	330	7110	1.13			
	5.69	372	308	7110	1.21			
	6.33	334	276	7110	1.35	LH57 R37		28
	7.41	285	236	7110	1.58	LV57 R37	71	30
	8.15	259	215	7110	1.74	LW57 R37		28
	11.03	192	159	7110	2.35			
	12.03	176	145	7110	2.56			
	7.29	290	240	5420	1.04	LH47 R37		26
	8.12	260	216	5420	1.15	LV47 R37	71	26
	9.50	222	184	5420	1.35	LW47 R37		25
	11.21	188	156	5420	1.59			
	8.98	242	194.80	8620	3.09			
	10.29	212	170.05	8620	3.54	LH77		32
	11.37	191	153.87	8620	3.92	LV77	71	37



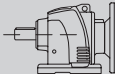
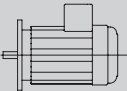
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.25 (0.34HP)	12.44	175	140.70	8620	4.28	LW77	33
	14.07	155	124.34	8620	4.85		
	15.98	136	109.54	8620	5.50		
	8.76	249	199.88	7560	2.41	LH67 LV67 LW67	71
	10.35	210	169.10	7560	2.85		
	11.59	188	151.03	7560	3.19		
	12.43	175	140.75	7560	3.43		
	13.97	156	125.28	7560	3.85		
	15.58	140	112.34	7560	4.29		
	17.73	123	98.69	7560	4.89		
	18.86	115	92.80	7560	5.20		
	9.56	228	182.99	7110	1.98		
	10.66	204	164.13	7110	2.20	LH57 LV57 LW57	71
	12.38	176	141.40	7110	2.56		
	13.55	161	129.16	7110	2.80		
	15.50	141	112.90	7110	3.20		
	17.20	127	101.77	7110	3.55		
	19.04	114	91.91	7110	3.93		
	21.23	103	82.45	7110	4.39		
	21.97	99	79.65	7110	4.54		
	24.12	90	72.56	7110	4.98		
	26.99	81	64.84	7110	5.58		
	9.79	223	178.83	5420	1.35		
	10.91	200	160.40	5420	1.50		
	12.66	172	138.19	5420	1.74	LH47 LV47 LW47	71
	13.86	157	126.22	5420	1.91		
	15.86	137	110.34	5420	2.18		
	17.60	124	99.46	5420	2.42		
	19.48	112	89.82	5420	2.68		
	21.72	100	80.58	5420	2.99		
	22.48	97	77.84	5420	3.10		
	24.68	88	70.91	5420	3.40		
	27.62	79	63.37	5420	3.80		
	29.74	73	58.84	5420	4.10		
	33.12	66	52.84	5420	4.56		
	38.78	56	45.13	5420	5.34		
	42.16	52	41.51	5420	5.81		
	12.65	172	138.36	4950	1.16		
	14.67	148	119.28	4950	1.35	LH37 LV37 LW37	71
	17.41	125	100.51	4950	1.60		
	19.12	114	91.53	4950	1.76		
	21.94	99	79.77	4950	2.01		
	22.83	95	76.66	4945	2.10		
	25.07	87	69.81	4825	2.30		
	28.76	76	60.84	4645	2.64		
	32.39	67	54.03	4490	2.97		
	33.50	65	52.24	4425	3.08		
	39.76	55	44.01	4215	3.65		
	43.66	50	40.08	4100	4.01		
	50.10	43	34.93	3940	4.60		
	56.42	39	31.02	3805	5.18		
	21.92	99	79.85	1770	0.86		
	25.47	85	68.70	1770	0.99	MH17 MV17	71
	29.55	74	59.23	1770	1.15		
	35.07	62	49.90	1770	1.37		
	38.51	57	45.45	1770	1.50		
	44.18	49	39.61	1770	1.72		
	49.76	44	35.17	1770	1.94		



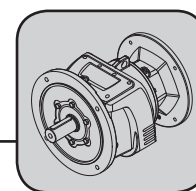
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

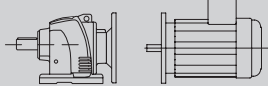
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.25 (0.34HP)	59.61	37	29.36	1770	2.33	MH17 MV17	71	8 7
	70.67	31	24.76	1770	2.76			
	88.88	25	19.69	1770	3.47			
	116.53	19	15.02	1770	3.71			
	138.30	16	12.65	1700	4.12			
	174.26	13	10.04	1600	4.73			
	235.11	10	7.44	1470	5.70	XH67	71	12
	279.11	8	6.27	2920	5.18			
	319.93	7	5.47	2800	6.00			
	353.54	7	4.95	2690	6.00			
	386.31	6	4.53	2620	6.00			
	497.16	5	3.52	2410	18.69			
	319.93	7	5.47	2420	5.11	XH57	71	10
	358.61	6	4.88	2340	5.89			
	384.62	6	4.55	2270	6.00			
	432.10	5	4.05	2200	6.00			
	482.09	5	3.63	2110	13.54			
	548.59	4	3.19	2025	15.17			
0.37 (0.5HP)	583.33	4	3.00	1985	15.62	MH147 R77 MV147 R77 MW147 R77	71	404 396 380
	784.75	3	2.23	1805	17.97			
	0.44	6712	3993	37500	1.04			
	0.44	6911	3988	37500	1.01	MH137 R77 MV137 R77 MW137 R77	71	264 275 259
	0.49	6253	3608	37500	1.12			
	0.53	5718	3299	37500	1.22			
	0.60	5053	2916	37500	1.39			
	0.68	4452	2569	37500	1.57			
	0.83	3649	2106	37500	1.92	MH137 R77 MV137 R77 MW137 R77	71	261 273 257
	0.64	4736	2733	37500	1.48			
	0.70	4355	2513	37500	1.61			
	0.75	4026	2323	37500	1.74			
	0.83	3673	2120	37500	1.91			
	0.97	3122	1802	37500	2.24			
	1.13	2684	1549	37500	2.61	MH107 R77 MV107 R77 MW107 R77	71	171 175 164
	1.26	2408	1389	37500	2.91			
	1.37	2217	1279	37500	3.16			
	1.62	1871	1080	37500	3.74			
	1.91	1590	918	37500	4.40			
	0.90	3387	1955	29500	1.27	MH107 R77 MV107 R77 MW107 R77	71	180 183 172
	0.95	3192	1842	29500	1.35			
	0.98	3098	1788	29500	1.39			
	1.10	2755	1590	29500	1.56			
	1.39	2178	1256	29500	1.97			
	1.51	2008	1159	29500	2.14	MH107 R77 MV107 R77 MW107 R77	71	180 183 172
	1.71	1769	1021	29500	2.43			
	0.94	3228	1862	29500	1.33			
	1.15	2648	1528	29500	1.62			
	1.29	2359	1361	29500	1.82			
	1.43	2116	1221	29500	2.03			
	1.56	1948	1124	29500	2.21			

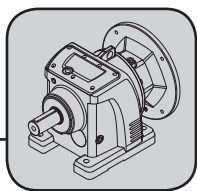
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

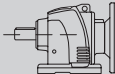
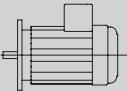
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
0.37 (0.5HP)	1.84	1644	949	29500	2.62		
	2.20	1380	796	29500	3.12		
	1.37	2215	1278	18100	1.35	LH97 R57	108
	1.59	1905	1099	18100	1.57	LV97 R57	112
						LW97 R57	101
	1.25	2430	1402	18100	1.23		
	1.36	2226	1285	18100	1.35		
	1.60	1890	1091	18100	1.59		
	1.84	1650	952	18100	1.82		
	2.09	1448	835	18100	2.07	LH97 R57	109
	2.28	1331	768	18100	2.25	LV97 R57	116
	2.60	1168	674	18100	2.57	LW97 R57	105
	2.97	1020	588	18100	2.94		
	3.50	866	500	18100	3.47		
	4.01	756	436	18100	3.97		
	4.56	665	384	18100	4.51		
	5.22	581	335	18100	5.17		
	2.08	1460	842	16900	1.03	LH87 R57	75
	2.31	1311	756	16900	1.14	LV87 R57	79
	2.73	1111	641	16900	1.35	LW87 R57	75
	2.38	1274	735	16900	1.18		
	2.77	1095	632	16900	1.37		
	2.96	1023	590	16900	1.47	LH87 R57	77
	3.35	904	522	16900	1.66	LV87 R57	80
	3.98	762	440	16900	1.97	LW87 R57	76
	6.65	456	263	16900	3.29		
	7.57	401	231	16900	3.74		
	3.26	960	538	16900	1.56	LH87 R57	74
	3.66	855	479	16900	1.75	LV87 R57	78
	4.24	737	412	16900	2.04	LW87 R57	74
	4.86	643	360	16900	2.33		
	4.71	643	371	8620	1.17		
	5.56	545	315	8620	1.38		
	3.40	920	515	8620	0.82		
	3.76	831	465	8620	0.90	LH77 R37	38
	4.20	745	417	8620	1.01	LV77 R37	44
	4.77	656	367	8620	1.14	LW77 R37	40
	5.75	544	305	8620	1.38		
	6.40	489	273	8620	1.53		
	7.49	417	234	8620	1.80		
	8.84	354	198	8620	2.12		
	5.91	529	296	7560	1.13		
	6.28	498	279	7560	1.20	LH67 R37	33
	6.99	447	250	7560	1.34	LV67 R37	35
	7.94	394	221	7560	1.52	LW67 R37	33
	8.18	382	214	7560	1.57		
	8.98	359	194.80	8620	2.09		
	10.29	313	170.05	8620	2.39		
	11.37	283	153.87	8620	2.65		
	12.44	259	140.70	8620	2.89	LH77	32
	14.07	229	124.34	8620	3.27	LV77	37
	15.98	202	109.54	8620	3.72	LW77	33
	19.49	165	89.80	8620	4.05		
	20.68	156	84.62	8620	4.05		
	23.96	135	73.05	8620	5.57		
	8.76	368	199.88	7560	1.63		
	10.35	311	169.10	7560	1.93		
	11.59	278	151.03	7560	2.16		

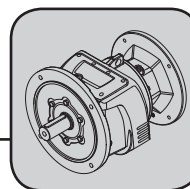


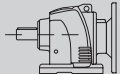
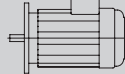
Helical Gear Units

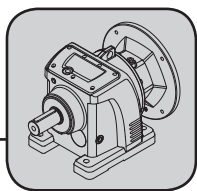
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.37 (0.5HP)	12.43	259	140.75	7560	2.31	LH67 LV67 LW67	71	26
	13.97	231	125.28	7560	2.60			24
	15.58	207	112.34	7560	2.90			22
	17.73	182	98.69	7560	3.30			
	18.86	171	92.80	7560	3.51			
	22.27	145	78.59	7560	4.14			
	25.40	127	68.90	7560	4.05			
	27.75	116	63.07	7560	4.05			
	30.06	107	58.23	7560	4.05			
	9.56	337	182.99	7110	1.34	LH57 LV57 LW57	71	20
	10.66	302	164.13	7110	1.49			23
	12.38	260	141.40	7110	1.73			21
	13.55	238	129.16	7110	1.89			
	15.50	208	112.90	7110	2.16			
	17.20	187	101.77	7110	2.40			
	19.04	169	91.91	7110	2.66			
	21.23	152	82.45	7110	2.96			
	21.97	147	79.65	7110	3.07			
	24.12	134	72.56	7110	3.37			
	26.99	119	64.84	7005	3.77			
	29.07	111	60.21	6855	4.06			
	32.37	100	54.07	6645	4.05			
	37.89	85	46.18	6345	4.05			
	41.20	78	42.48	6185	4.05			
	9.79	329	178.83	5420	0.91	LH47 LV47 LW47	71	19
	10.91	295	160.40	5420	1.02			17
	12.66	255	138.19	5420	1.18			17
	13.86	232	126.22	5420	1.29			
	15.86	203	110.34	5420	1.48			
	17.60	183	99.46	5420	1.64			
	19.48	165	89.82	5420	1.81			
	21.72	148	80.58	5420	2.02			
	22.48	143	77.84	5420	2.09			
	24.68	131	70.91	5420	2.30			
	27.62	117	63.37	5420	2.57			
	29.74	108	58.84	5420	2.77			
	33.12	97	52.84	5420	3.08			
	38.78	83	45.13	5420	3.61			
	42.16	76	41.51	5420	3.92			
	46.95	69	37.28	5420	4.05			
	54.98	59	31.83	5420	5.12			
	64.36	50	27.19	5360	5.99			
	14.67	220	119.28	4950	0.91	LH37 LV37 LW37	71	11
	17.41	185	100.51	4950	1.08			12
	19.12	169	91.53	4910	1.19			11
	21.94	147	79.77	4760	1.36			
	22.83	141	76.66	4715	1.42			
	25.07	129	69.81	4615	1.56			
	28.76	112	60.84	4460	1.78			
	32.39	100	54.03	4330	2.01			
	33.50	96	52.24	4255	2.08			
	39.76	81	44.01	4070	2.47			
	43.66	74	40.08	3970	2.71			
	50.10	64	34.93	3825	3.11			
	56.42	57	31.02	3705	3.50			
	67.59	48	25.89	3520	4.05			
	71.42	47	24.50	3475	4.05	LH37		11
	79.23	42	22.09	3375	4.05	LV37	71	11



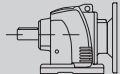
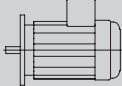
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.37 (0.5HP)	87.73	38	19.95	3275	4.05	LW37	10
	97.80	34	17.89	3170	4.05		
	35.07	92	49.90	1770	0.92	MH17 MV17	71
	38.51	84	45.45	1770	1.02		
	44.18	73	39.61	1770	1.17		
	49.76	65	35.17	1770	1.31		
	59.61	54	29.36	1770	1.57		
	70.67	46	24.76	1770	1.86		
	88.88	36	19.69	1740	2.34		
	116.53	29	15.02	1650	2.50	MH17 MV17	71
	138.30	24	12.65	1600	2.78		
	174.26	19	10.04	1520	3.20		
	235.11	14	7.44	1420	3.85		
	350.51	9	4.99	1280	4.91		
	432.18	8	4.05	1200	5.57		
	279.11	12	6.27	2900	3.50	XH67	71
	319.93	11	5.47	2780	4.05		
	353.54	10	4.95	2650	4.05		
	386.31	9	4.53	2600	4.05		
	497.16	7	3.52	2390	12.63		
	605.54	6	2.89	2250	16.99		
	643.38	5	2.72	2205	16.70		
	744.68	5	2.35	2100	17.79		
	319.93	11	5.47	2390	3.46	XH57	71
	358.61	10	4.88	2310	3.98		
	384.62	9	4.55	2230	4.05		
	432.10	8	4.05	2180	4.05		
	482.09	7	3.63	2080	9.15		
	548.59	6	3.19	2000	10.25		
	583.33	6	3.00	1960	10.56		
	784.75	4	2.23	1785	12.14		
	1100.63	3	1.59	1605	13.81		
	1335.88	3	1.31	1515	16.38		
0.55 (0.74HP)	0.38	11655	4664	62700	1.12	MH147 R77 MV147 R77 MW147 R77	80
	0.43	10091	4038	62700	1.29		
	0.50	8711	3486	62700	1.49		
	0.61	7180	2873	62700	1.81		
	0.69	6547	2541	62700	1.99		
	0.75	5971	2318	62700	2.18		
	0.89	5078	1971	62700	2.56		
	0.97	4631	1798	62700	2.81		
	1.08	4166	1617	62700	3.12		
	1.21	3711	1440	62700	3.50		
	1.35	3328	1292	62700	3.91		
	1.47	3065	1190	62700	4.24		
	0.68	6617	2569	37500	1.06		
	0.64	7041	2733	37500	0.99	MH137 R77 MV137 R77 MW137 R77	80
	0.70	6473	2513	37500	1.08		
	0.75	5985	2323	37500	1.17		
	0.83	5461	2120	37500	1.28		
	0.97	4641	1802	37500	1.51		
	1.13	3990	1549	37500	1.75		
	1.26	3579	1389	37500	1.96		
	1.37	3296	1279	37500	2.12		
	1.62	2781	1080	37500	2.52		
	1.91	2364	918	37500	2.96		

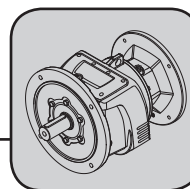


Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

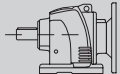
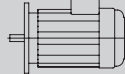
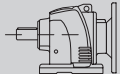
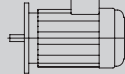
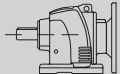
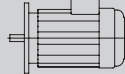
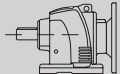
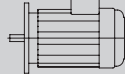
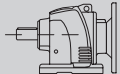
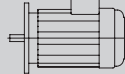
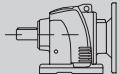
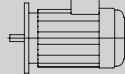
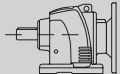
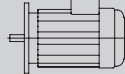
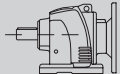
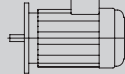
1750 Input Rpm

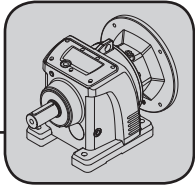
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	2.10	2148	834	37500	3.26			
	1.39	3237	1256	29500	1.33			
	1.51	2985	1159	29500	1.44	MH107 R77		173
	1.71	2630	1021	29500	1.64	MV107 R77	80	176
	2.05	2204	856	29500	1.95	MW107 R77		166
	2.17	2077	806	29500	2.07			
	2.51	1793	696	29500	2.40			
	1.15	3937	1528	29500	1.09			
	1.29	3506	1361	29500	1.23	MH107 R77		181
	1.43	3145	1221	29500	1.37	MV107 R77	80	185
	1.56	2896	1124	29500	1.48	MW107 R77		174
	1.84	2443	949	29500	1.76			
	2.20	2052	796	29500	2.10			
	2.16	2086	810	18100	1.44	LH97 R57		110
	2.39	1888	733	18100	1.59	LV97 R57	80	114
						LW97 R57		103
	1.60	2809	1091	18100	1.07			
	1.84	2453	952	18100	1.22			
	2.09	2152	835	18100	1.39			
	2.28	1979	768	18100	1.52			
	2.60	1736	674	18100	1.73	LH97 R57		111
	2.97	1516	588	18100	1.98	LV97 R57	80	118
	3.50	1287	500	18100	2.33	LW97 R57		107
	4.01	1124	436	18100	2.67			
	4.56	988	384	18100	3.04			
	5.22	863	335	18100	3.48			
	5.96	756	293	18100	3.97			
	7.25	622	241	18100	4.82			
	3.35	1344	522	16900	1.12			
	3.55	1272	494	16900	1.18	LH87 R57		79
	3.98	1133	440	16900	1.32	LV87 R57	80	82
	4.63	973	378	16900	1.54	LW87 R57		78
	5.61	804	312	16900	1.87			
	3.66	1271	479	16900	1.18	LH87 R57		76
	4.24	1095	412	16900	1.37	LV87 R57	80	80
	4.86	956	360	16900	1.57	LW87 R57		76
	6.40	726	273	8620	1.03	LH77 R37		40
	7.49	620	234	8620	1.21	LV77 R37	80	46
	8.84	526	198	8620	1.43	LW77 R37		42
	8.69	551	201.38	16900	2.73			
	9.74	492	179.70	16900	2.73	LH87		63
	10.86	441	161.11	16900	2.73	LV87	80	67
	12.74	376	137.42	16900	2.73	LW87		61
	14.32	335	122.17	16900	4.63			
	15.55	308	112.52	16900	5.03			
	8.98	533	194.80	8620	1.41			
	10.29	466	170.05	8620	1.61			
	11.37	421	153.87	8620	1.78			
	12.44	385	140.70	8620	1.95			
	14.07	340	124.34	8620	2.20	LH77		34
	15.98	300	109.54	8620	2.50	LV77	80	39
	19.49	246	89.80	8620	2.73	LW77		35
	20.68	232	84.62	8620	2.73			
	23.96	200	73.05	8620	3.75			
	30.31	158	57.73	8450	4.75			
	32.87	146	53.24	8250	5.15			
	37.31	128	46.90	7945	5.84			
	8.76	547	199.88	7560	1.10			



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

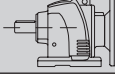
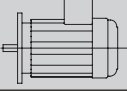
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	10.35	463	169.10	7560	1.30			
	11.59	414	151.03	7560	1.45			
	12.43	385	140.75	7560	1.56			
	13.97	343	125.28	7560	1.75			
	15.58	308	112.34	7560	1.95			
	17.73	270	98.69	7560	2.22			
	18.86	254	92.80	7560	2.36			
	22.27	215	78.59	7560	2.79			
	25.40	189	68.90	7560	2.73			
	27.75	173	63.07	7515	2.73			
	30.06	159	58.23	7460	2.73			
	33.52	143	52.21	7230	2.73			
	38.15	126	45.87	6970	4.78			
	42.46	113	41.22	6680	4.44			
	45.16	106	38.75	6560	4.62			
	9.56	501	182.99	7110	0.90			
	10.66	449	164.13	7110	1.00			
	12.38	387	141.40	7110	1.16			
	13.55	354	129.16	7110	1.27			
	15.50	309	112.90	7110	1.46			
	17.20	279	101.77	7110	1.61			
	19.04	252	91.91	7110	1.79			
	21.23	226	82.45	7110	1.99			
	21.97	218	79.65	7110	2.06			
	24.12	199	72.56	6975	2.27			
	26.99	178	64.84	6770	2.53			
	29.07	165	60.21	6640	2.73			
	32.37	148	54.07	6450	2.73			
	37.89	126	46.18	6175	2.73			
	41.20	116	42.48	6035	2.73			
	45.88	104	38.14	5850	2.73			
	54.13	89	32.33	5510	4.11			
	63.37	76	27.61	5265	4.56			
	68.90	70	25.40	5140	4.82			
	76.73	62	22.81	4985	5.18			
	69.24	71	25.27	5180	5.36			
	74.30	66	23.55	5075	5.62			
	12.66	378	138.19	5420	0.79			
	13.86	346	126.22	5420	0.87			
	15.86	302	110.34	5420	0.99			
	17.60	272	99.46	5420	1.10			
	19.48	246	89.82	5420	1.22			
	21.72	221	80.58	5420	1.36			
	22.48	213	77.84	5420	1.41			
	24.68	194	70.91	5420	1.55			
	27.62	173	63.37	5420	1.73			
	29.74	161	58.84	5420	1.86			
	33.12	145	52.84	5420	2.07			
	38.78	124	45.13	5420	2.43			
	42.16	114	41.51	5420	2.64			
	46.95	102	37.28	5420	2.73			
	54.98	87	31.83	5420	3.44			
	64.36	74	27.19	5240	4.03			
	69.98	68	25.01	5115	4.38			
	77.93	61	22.46	4955	4.88			
	70.85	70	24.70	5140	4.30			
	76.03	65	23.02	5035	4.62			
								
								

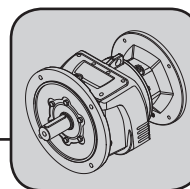


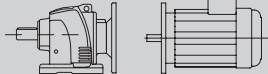
Helical Gear Units

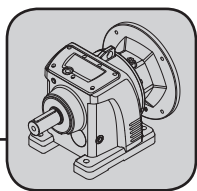
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.55 (0.74HP)	85.41	58	20.49	4860	5.19	LW47		17
	95.26	52	18.37	4705	5.79			
	19.12	251	91.53	4495	0.80	LH37 LV37 LW37	80	14 13 12
	21.94	218	79.77	4400	0.92			
	22.83	210	76.66	4370	0.95			
	25.07	191	69.81	4300	1.05			
	28.76	167	60.84	4185	1.20			
	32.39	148	54.03	4085	1.35			
	33.50	143	52.24	4000	1.40			
	39.76	121	44.01	3855	1.66			
	43.66	110	40.08	3775	1.82			
	50.10	96	34.93	3660	2.09			
	56.42	85	31.02	3555	2.35			
	67.59	71	25.89	3395	2.73			
	71.42	69	24.50	3360	2.73			
	79.23	62	22.09	3270	2.73			
	87.73	56	19.95	3180	2.73			
	97.80	51	17.89	3085	2.73			
	111.13	44	15.75	2980	4.26	LH37 LV37 LW37	80	13 13 12
	133.93	37	13.07	2825	4.91			
	149.15	33	11.73	2735	5.27			
	174.61	28	10.02	2610	5.86			
	49.76	96	35.17	1440	0.88			
	59.61	80	29.36	1490	1.06			
	70.67	68	24.76	1510	1.25			
	88.88	54	19.69	1520	1.58			
	116.53	42	15.02	1480	1.69			
	138.30	36	12.65	1450	1.87			
	174.26	28	10.04	1400	2.15			
	235.11	21	7.44	1330	2.59			
	350.51	14	4.99	1220	3.30			
	432.18	11	4.05	1160	3.75			
	319.93	16	5.47	2740	2.73			
	353.54	14	4.95	2610	2.73			
	386.31	13	4.53	2570	2.73	XH67	80	14
	497.16	10	3.52	2350	8.49			
	605.54	8	2.89	2230	11.43			
	643.38	8	2.72	2180	11.23			
	744.68	7	2.35	2080	11.97			
	940.86	5	1.86	1940	13.68			
	1080.25	5	1.62	1850	13.99			
	1250.00	4	1.40	1770	15.03			
	384.62	13	4.55	2180	2.73			
	432.10	12	4.05	2150	2.73			
	482.09	11	3.63	2040	6.15			
	548.59	9	3.19	1965	6.89			
	583.33	9	3.00	1930	7.10			
	784.75	6	2.23	1760	8.17			
	1100.63	5	1.59	1585	9.29			
	1335.88	4	1.31	1505	11.02			
0.75 (1HP)	0.50	11879	3486	62700	1.09	MH147 R77 MV147 R77 MW147 R77	80	404 395 380
	0.61	9790	2873	62700	1.33			
	0.69	8928	2541	62700	1.46			
	0.75	8143	2318	62700	1.60			
	0.89	6924	1971	62700	1.88			
	0.97	6315	1798	62700	2.06			
	1.08	5681	1617	62700	2.29			
	1.21	5060	1440	62700	2.57			



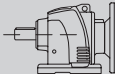
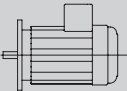
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
0.75 (1HP)	1.08	5681	1617	62700	2.29		
	1.21	5060	1440	62700	2.57		
	1.35	4539	1292	62700	2.86		
	1.47	4179	1190	62700	3.11		
	0.96	6409	1824	37500	1.09		
	1.02	6018	1713	37500	1.16	MH137 R77	254
	1.11	5533	1575	37500	1.27	MV137 R77	265
	1.29	4756	1354	37500	1.47	MW137 R77	250
	1.40	4386	1249	37500	1.60		
	0.97	6329	1802	37500	1.11		
	1.13	5441	1549	37500	1.29		
	1.26	4881	1389	37500	1.43	MH137 R77	263
	1.37	4494	1279	37500	1.56	MV137 R77	275
	1.62	3792	1080	37500	1.85	MW137 R77	259
	1.91	3223	918	37500	2.17		
	2.10	2929	834	37500	2.39		
	2.40	2557	728	37500	2.74		
	1.71	3586	1021	29500	1.20	MH107 R77	173
	2.05	3005	856	29500	1.43	MV107 R77	176
	2.17	2832	806	29500	1.52	MW107 R77	166
	1.84	3332	949	29500	1.29		
	2.20	2798	796	29500	1.54	MH107 R77	181
	2.94	2093	596	29500	2.05	MV107 R77	185
	3.56	1728	492	29500	2.49	MW107 R77	174
	4.22	1458	415	29500	2.95		
	5.02	1225	349	29500	3.51		
	2.60	2367	674	18100	1.27		
	2.97	2067	588	18100	1.45		
	3.50	1755	500	18100	1.71	LH97 R57	111
	4.01	1532	436	18100	1.96	LV97 R57	118
	4.56	1348	384	18100	2.23	LW97 R57	107
	5.22	1177	335	18100	2.55		
	5.96	1031	293	18100	2.91		
	7.25	848	241	18100	3.54		
	4.63	1327	378	16900	1.13	LH87 R57	79
	5.61	1096	312	16900	1.37	LV87 R57	82
	6.65	925	263	16900	1.62	LW87 R57	78
	7.57	813	231	16900	1.85		
	4.86	1304	360	16900	1.15	LH87 R57	76
	5.68	1115	308	16900	1.34	LV87 R57	80
	6.65	953	263	16900	1.57	LW87 R57	78
	8.69	752	201.38	16900	2.00		
	9.74	671	179.70	16900	2.00		
	10.86	602	161.11	16900	2.00		
	12.74	513	137.42	16900	2.00	LH87	63
	14.32	456	122.17	16900	3.40	LV87	67
	15.55	420	112.52	16900	3.69	LW87	61
	20.05	326	87.27	16900	4.76		
	24.44	267	71.60	16900	5.56		
	27.44	238	63.77	16900	6.00		
	8.98	727	194.80	8620	1.03		
	10.29	635	170.05	8620	1.18		
	11.37	574	153.87	8620	1.31		
	12.44	525	140.70	8620	1.43		
	14.07	464	124.34	8620	1.62		
	15.98	409	109.54	8620	1.83		
	19.49	335	89.80	8620	2.00	LH77	34
	20.68	316	84.62	8620	2.00	LV77	39

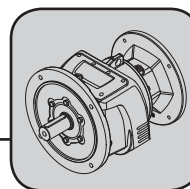


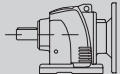
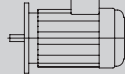
Helical Gear Units

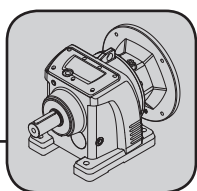
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.75 (1HP)	23.96	273	73.05	8620	2.75	LW77		35
	30.31	216	57.73	8275	3.48			
	32.87	199	53.24	8090	3.77			
	37.31	175	46.90	7800	4.28			
	44.52	147	39.31	7345	4.55			
	47.25	138	37.04	7220	4.73			
	54.73	119	31.97	6915	5.22			
	8.76	746	199.88	7560	0.80	LH67 LV67 LW67	80	28 25 23
	10.35	631	169.10	7560	0.95			
	11.59	564	151.03	7560	1.06			
	12.43	525	140.75	7560	1.14			
	13.97	468	125.28	7560	1.28			
	15.58	419	112.34	7560	1.43			
	17.73	368	98.69	7560	1.63			
	18.86	346	92.80	7560	1.73			
	22.27	293	78.59	7560	2.00			
	25.40	257	68.90	7560	2.00			
	27.75	235	63.07	7245	2.00			
	30.06	217	58.23	7250	2.00			
	33.52	195	52.21	7045	2.00			
	38.15	171	45.87	6800	3.50			
	42.46	154	41.22	6500	3.25			
	45.16	145	38.75	6395	3.39			
	54.65	120	32.02	6150	4.65			
	60.82	107	28.77	5895	4.13			
	76.43	85	22.90	5580	5.82			
	72.49	93	24.14	5655	5.45	LH67 LV67 LW67	80	27 24 23
	82.03	82	21.33	5455	5.92			
	12.38	528	141.40	7110	0.85	LH57 LV57 LW57	80	22 24 23
	13.55	482	129.16	7110	0.93			
	15.50	422	112.90	7110	1.07			
	17.20	380	101.77	7110	1.18			
	19.04	343	91.91	7030	1.31			
	21.23	308	82.45	6870	1.46			
	21.97	297	79.65	6820	1.51			
	24.12	271	72.56	6680	1.66			
	26.99	242	64.84	6510	1.86			
	29.07	225	60.21	6400	2.00			
	32.37	202	54.07	6235	2.00			
	37.89	172	46.18	5990	2.00			
	41.20	159	42.48	5865	2.00			
	45.88	142	38.14	5700	2.00			
	54.13	121	32.33	5350	3.01			
	63.37	103	27.61	5135	3.34			
	68.90	95	25.40	5020	3.54			
	76.73	85	22.81	4875	3.80			
	69.24	97	25.27	5075	3.93	LH57 LV57 LW57	80	21 21 20
	74.30	91	23.55	4975	4.12			
	83.47	81	20.96	4815	4.45			
	93.09	72	18.80	4665	4.79			
	112.69	60	15.53	4410	5.44			
	17.60	371	99.46	5420	0.81			
	19.48	335	89.82	5420	0.89			
	21.72	301	80.58	5420	1.00			
	22.48	291	77.84	5420	1.03			
	24.68	265	70.91	5420	1.13			
	27.62	237	63.37	5420	1.27			



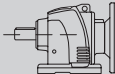
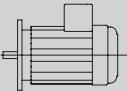
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
0.75 (1HP)	29.74	220	58.84	5420	1.37	LH47	20
	33.12	197	52.84	5420	1.52	LV47	19
	38.78	169	45.13	5420	1.78	LW47	18
	42.16	155	41.51	5420	1.94		
	46.95	139	37.28	5420	2.00		
	54.98	119	31.83	5325	2.52		
	64.36	102	27.19	5105	2.96		
	69.98	93	25.01	4995	3.21		
	77.93	84	22.46	4845	3.58		
	70.85	95	24.70	5035	3.16		
	76.03	89	23.02	4940	3.39	LH47	19
	85.41	79	20.49	4775	3.80	LV47	18
	95.26	71	18.37	4625	4.24	LW47	17
	115.31	58	15.18	4375	5.14		
	28.76	227	60.84	3880	0.88		
	32.39	202	54.03	3815	0.99		
	33.50	195	52.24	3720	1.03	LH37	14
	39.76	164	44.01	3620	1.22	LV37	13
	43.66	150	40.08	3560	1.34	LW37	12
	50.10	130	34.93	3470	1.53		
	56.42	116	31.02	3385	1.73		
	67.59	97	25.89	3255	2.00		
	71.42	94	24.50	3235	2.00		
	79.23	85	22.09	3155	2.00		
	87.73	77	19.95	3080	2.00		
	97.80	69	17.89	2995	2.00		
	111.13	61	15.75	2895	3.12	LH37	13
	133.93	50	13.07	2755	3.60	LV37	13
	149.15	45	11.73	2675	3.87	LW37	12
	174.61	39	10.02	2560	4.29		
	205.97	33	8.50	2440	4.79		
	259.77	26	6.74	2270	5.13		
	304.12	22	5.75	2170	5.70		
	70.67	92	24.76	1200	0.92	MH17	9
	88.88	74	19.69	1260	1.16	MV17	8
	116.53	58	15.02	1280	1.24		
	138.30	49	12.65	1290	1.37		
	174.26	39	10.04	1270	1.58	MH17	9
	235.11	29	7.44	1230	1.90	MV17	8
	350.51	19	4.99	1150	2.42		
	432.18	16	4.05	1100	2.75		
	319.93	22	5.47	2710	2.00		
	353.54	20	4.95	2560	2.00		
	386.31	18	4.53	2530	2.00		
	497.16	14	3.52	2320	6.23		
	605.54	11	2.89	2210	8.38	XH67	14
	643.38	11	2.72	2155	8.24		
	744.68	9	2.35	2060	8.78		
	940.86	7	1.86	1920	10.03		
	1080.25	6	1.62	1835	10.26		
	384.62	18	4.55	2130	2.00		
	432.10	16	4.05	2120	2.00		
	482.09	14	3.63	1995	4.51		
	548.59	13	3.19	1925	5.06		
	583.33	12	3.00	1890	5.21	XH57	12
	784.75	9	2.23	1735	5.99		
	1100.63	6	1.59	1565	6.82		
	1335.88	5	1.31	1490	8.08		

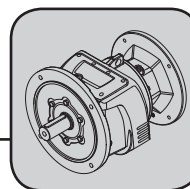


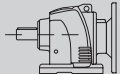
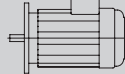
Helical Gear Units

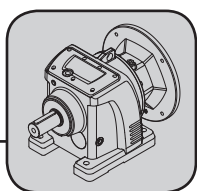
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.1 (1.5HP)	0.75	11943	2318	62700	1.09	MH147 R77 MV147 R77 MW147 R77	90	404
	0.89	10155	1971	62700	1.28			395
	0.97	9262	1798	62700	1.40			380
	1.08	8332	1617	62700	1.56			
	1.21	7421	1440	62700	1.75			
	1.35	6657	1292	62700	1.95			
	1.47	6129	1190	62700	2.12			
	1.74	5172	1004	62700	2.51			
	2.09	4323	839	62700	3.01			
	2.45	3687	716	62700	3.53	MH137 R77 MV137 R77 MW137 R77	90	254
	1.29	6975	1354	37500	1.00			265
	1.40	6433	1249	37500	1.09			250
	1.59	5667	1100	37500	1.24			
	1.90	4749	922	37500	1.47			
	2.01	4475	869	37500	1.56	MH137 R77 MV137 R77 MW137 R77	90	263
	1.37	6591	1279	37500	1.06			275
	1.62	5562	1080	37500	1.26			259
	1.91	4728	918	37500	1.48			
	2.10	4295	834	37500	1.63			
	2.40	3750	728	37500	1.87			
	2.58	3493	678	37500	2.00			
	3.13	2885	560	37500	2.43			
	3.70	2435	473	37500	2.88	MH107 R77 MV107 R77 MW107 R77	90	173
	2.51	3586	696	29500	1.20			176
								166
	2.94	3069	596	29500	1.40	MH107 R77 MV107 R77 MW107 R77	90	181
	3.56	2535	492	29500	1.70			185
	4.22	2139	415	29500	2.01			174
	5.02	1796	349	29500	2.39			
	5.83	1548	300	29500	2.78			
	6.90	1306	253	29500	3.29	LH97 R57 LV97 R57 LW97 R57	90	109
	3.87	2400	452	18100	1.25			113
	4.60	2021	380	18100	1.48			102
	5.22	1782	336	18100	1.68			
	6.16	1510	284	18100	1.99			
	7.15	1300	245	18100	2.31	LH87 R57 LV87 R57 LW87 R57	90	79
	7.69	1208	228	18100	2.48			82
	6.65	1357	263	16900	1.11			78
	7.57	1192	231	16900	1.26	LH87 R57 LV87 R57 LW87 R57	90	79
	8.74	1032	200	16900	1.45			80
	6.65	1398	263	16900	1.07			76
	7.65	1215	229	16900	1.23	LH87 LV87 LW87	90	63
	8.67	1072	202	16900	1.40			67
	8.69	1103	201.38	16900	1.36			61
	9.74	984	179.70	16900	1.36			
	10.86	882	161.11	16900	1.36			
	12.74	752	137.42	16900	1.36			
	14.32	669	122.17	16900	2.32			
	15.55	616	112.52	16900	2.52			
	20.05	478	87.27	16900	3.24			
	24.44	392	71.60	16900	3.79			
	27.44	349	63.77	16900	4.09			
	28.44	337	61.54	16900	4.19			
	31.93	300	54.81	16900	4.53			
	35.60	269	49.16	16900	4.87			
	38.66	248	45.27	16900	5.14			
	45.82	209	38.20	16540	5.76			



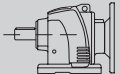
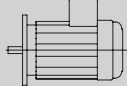
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.1 (1.5HP)	55.15	174	31.73	15535	5.47			
	10.29	931	170.05	8620	0.81			
	11.37	843	153.87	8620	0.89			
	12.44	770	140.70	8620	0.97			
	14.07	681	124.34	8620	1.10			
	15.98	600	109.54	8620	1.25			
	19.49	492	89.80	8620	1.36			
	20.68	463	84.62	8620	1.36	LH77		34
	23.96	400	73.05	8435	1.87	LV77	90	39
	30.31	316	57.73	7965	2.37	LW77		35
	32.87	292	53.24	7800	2.57			
	37.31	257	46.90	7550	2.92			
	44.52	215	39.31	7100	3.10			
	47.25	203	37.04	6990	3.22			
	54.73	175	31.97	6720	3.56			
	69.26	138	25.27	6295	4.16			
	75.08	132	23.31	6200	5.02	LH77		32
	96.80	102	18.08	5755	5.95	LV77	90	38
						LW77		34
	13.97	686	125.28	7560	0.87			
	15.58	615	112.34	7560	0.98			
	17.73	540	98.69	7560	1.11			
	18.86	508	92.80	7545	1.18			
	22.27	430	78.59	7320	1.39			
	25.40	377	68.90	7130	1.36			
	27.75	345	63.07	6775	1.36	LH67		28
	30.06	319	58.23	6880	1.36	LV67	90	25
	33.52	286	52.21	6715	1.36	LW67		23
	38.15	251	45.87	6510	2.39			
	42.46	226	41.22	6195	2.22			
	45.16	212	38.75	6105	2.31			
	54.65	175	32.02	5950	3.17			
	60.82	158	28.77	5680	2.82			
	76.43	125	22.90	5435	3.97			
	72.49	136	24.14	5500	3.72			
	82.03	120	21.33	5315	4.04	LH67		27
	93.12	106	18.79	5130	4.39	LV67	90	24
	113.58	87	15.41	4845	5.01	LW67		23
	139.63	71	12.53	4560	5.75			
	17.20	557	101.77	6455	0.81			
	19.04	503	91.91	6385	0.89			
	21.23	451	82.45	6290	1.00			
	21.97	436	79.65	6260	1.03			
	24.12	397	72.56	6175	1.13			
	26.99	355	64.84	6055	1.27			
	29.07	330	60.21	5975	1.36	LH57		22
	32.37	296	54.07	5855	1.36	LV57	90	24
	37.89	253	46.18	5670	1.36	LW57		23
	41.20	233	42.48	5565	1.36			
	45.88	209	38.14	5430	1.36			
	54.13	177	32.33	5080	2.05			
	63.37	151	27.61	4900	2.28			
	68.90	139	25.40	4805	2.41			
	76.73	125	22.81	4680	2.59			
	69.24	143	25.27	4895	2.68			
	74.30	133	23.55	4805	2.81			
	83.47	118	20.96	4660	3.04	LH57		21
	93.09	106	18.80	4530	3.26	LV57	90	21



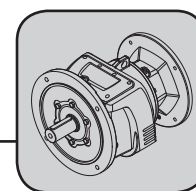
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

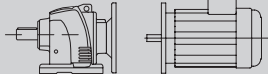
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.1 (1.5HP)	112.69	88	15.53	4295	3.71	LW57		20
	151.79	65	11.53	3950	4.52			
	212.28	47	8.24	3575	5.66			
	253.85	39	6.89	3360	5.58			
	27.62	347	63.37	5420	0.86	LH47 LV47 LW47	90	20 19 18
	29.74	322	58.84	5420	0.93			
	33.12	289	52.84	5420	1.04			
	38.78	247	45.13	5420	1.21			
	42.16	227	41.51	5420	1.32			
	46.95	204	37.28	5390	1.36			
	54.98	174	31.83	5055	1.72			
	64.36	149	27.19	4875	2.02			
	69.98	137	25.01	4780	2.19			
	77.93	123	22.46	4655	2.44			
	70.85	139	24.70	4855	2.15	LH47 LV47 LW47	90	19 18 17
	76.03	130	23.02	4770	2.31			
	85.41	116	20.49	4625	2.59			
	95.26	104	18.37	4490	2.89			
	115.31	86	15.18	4260	3.50			
	155.32	64	11.27	3915	4.50			
	217.21	45	8.06	3550	5.62			
	257.81	38	6.79	3340	5.56			
	39.76	241	44.01	3205	0.83	LH37 LV37 LW37	90	14 13 12
	43.66	219	40.08	3180	0.91			
	50.10	191	34.93	3140	1.05			
	56.42	170	31.02	3095	1.18			
	67.59	142	25.89	3010	1.36			
	71.42	138	24.50	3015	1.36	LH37 LV37 LW37	90	13 13 12
	79.23	125	22.09	2955	1.36			
	87.73	113	19.95	2900	1.36			
	97.80	101	17.89	2835	1.36			
	111.13	89	15.75	2755	2.13			
	133.93	74	13.07	2640	2.45			
	149.15	66	11.73	2570	2.64			
	174.61	57	10.02	2470	2.93			
	205.97	48	8.50	2365	3.27			
	259.77	38	6.74	2205	3.50			
	304.12	32	5.75	2115	3.89			
	358.72	28	4.88	2015	4.34			
	437.50	23	4.00	1905	4.95			
	291.67	35	6.00	4860	1.36	XH77	90	20
	341.80	30	5.12	4610	1.36			
	369.20	28	4.74	4410	4.43			
	386.31	26	4.53	2470	1.36	XH67	90	14
	497.16	20	3.52	2250	4.25			
	605.54	17	2.89	2170	5.71			
	643.38	16	2.72	2110	5.62			
	744.68	14	2.35	2020	5.99			
	940.86	11	1.86	1895	6.84			
	1080.25	9	1.62	1805	6.99			
	1250.00	8	1.40	1730	7.52			
	432.10	24	4.05	2060	1.36	XH57	90	12
	482.09	21	3.63	1920	3.08			
	548.59	19	3.19	1855	3.45			
	583.33	17	3.00	1825	3.55			
	784.75	13	2.23	1680	4.08			
	1100.63	9	1.59	1525	4.65			
	1335.88	8	1.31	1470	5.51			

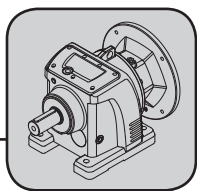
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

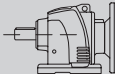
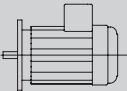
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
1.5 (2HP)	3.40	3620	515	62700	3.59	MH147 R87	382
	3.96	3108	442	62700	4.18	MV147 R87	374
	4.34	2834	403	62700	4.59	MW147 R87	358
	0.97	12630	1798	62700	1.03		
	1.08	11362	1617	62700	1.14		
	1.21	10120	1440	62700	1.28		
	1.35	9078	1292	62700	1.43	MH147 R77	404
	1.47	8358	1190	62700	1.56	MV147 R77	395
	1.74	7052	1004	62700	1.84	MW147 R77	380
	2.09	5895	839	62700	2.21		
	2.45	5028	716	62700	2.59		
	2.78	4429	630	62700	2.93		
	3.37	3651	520	62700	3.56		
	1.90	6476	922	37500	1.08	MH137 R77	254
	2.01	6102	869	37500	1.15	MV137 R77	265
	2.33	5268	750	37500	1.33	MW137 R77	250
	2.54	4843	689	37500	1.45		
	1.91	6447	918	37500	1.09		
	2.10	5857	834	37500	1.20		
	2.40	5114	728	37500	1.37		
	2.58	4764	678	37500	1.47	MH137 R77	263
	3.13	3934	560	37500	1.78	MV137 R77	275
	3.70	3320	473	37500	2.11	MW137 R77	259
	4.03	3052	434	37500	2.29		
	4.74	2594	369	37500	2.70		
	5.49	2238	319	37500	3.13		
	3.56	3457	492	29500	1.24	MH107 R77	181
						MV107 R77	185
						MW107 R77	174
	3.97	3195	441	29500	1.35	MH107 R77	171
	4.45	2850	393	29500	1.51	MV107 R77	174
	5.22	2427	335	29500	1.77	MW107 R77	163
	5.22	2430	336	18100	1.23	LH97 R57	109
	6.16	2059	284	18100	1.46	LV97 R57	113
	7.15	1773	245	18100	1.69	LW97 R57	102
	7.69	1648	228	18100	1.82		
	8.69	1504	201.38	16900	1.00		
	9.74	1342	179.70	16900	1.00		
	10.86	1203	161.11	16900	1.00		
	12.74	1026	137.42	16900	1.00		
	14.32	912	122.17	16900	1.70		
	15.55	840	112.52	16900	1.84		
	20.05	652	87.27	16900	2.38		
	24.44	535	71.60	16900	2.78	LH87	63
	27.44	476	63.77	16900	3.00	LV87	67
	28.44	460	61.54	16900	3.07	LW87	61
	31.93	409	54.81	16900	3.32		
	35.60	367	49.16	16900	3.57		
	38.66	338	45.27	16900	3.77		
	45.82	285	38.20	16335	4.22		
	55.15	237	31.73	15340	4.01		
	72.05	181	24.29	14140	4.79		
	87.23	150	20.06	13330	5.44		
	76.67	176	22.83	13935	5.78	LH87	60
						LV87	65
						LW87	59
	14.07	928	124.34	8620	0.81		
	15.98	818	109.54	8540	0.92		

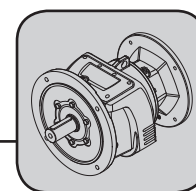


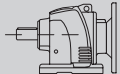
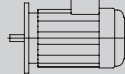
Helical Gear Units

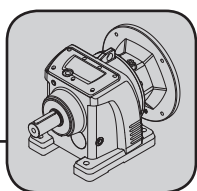
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.5 (2HP)	19.49	671	89.80	8285	1.00	LH77 LV77 LW77	90	34
	20.68	632	84.62	8205	1.00			39
	23.96	545	73.05	7985	1.37			35
	30.31	431	57.73	7610	1.74			
	32.87	398	53.24	7475	1.89			
	37.31	350	46.90	7260	2.14			
	44.52	294	39.31	6820	2.27			
	47.25	277	37.04	6725	2.36			
	54.73	239	31.97	6490	2.61			
	69.26	189	25.27	6115	3.05			
	75.08	179	23.31	6055	3.68	LH77 LV77 LW77	90	32
	96.80	139	18.08	5640	4.36			38
	117.98	114	14.83	5330	4.98			34
	132.47	102	13.21	5155	5.38			
	147.67	91	11.85	4990	5.78			
	17.73	737	98.69	6910	0.81	LH67 LV67 LW67	90	28
	18.86	693	92.80	6875	0.87			25
	22.27	587	78.59	6755	1.00			23
	25.40	514	68.90	6635	1.00			
	27.75	471	63.07	6235	1.00			
	30.06	435	58.23	6460	1.00			
	33.52	390	52.21	6335	1.00			
	38.15	343	45.87	6180	1.75			
	42.46	308	41.22	5845	1.63			
	45.16	289	38.75	5775	1.69			
	54.65	239	32.02	5715	2.33			
	60.82	215	28.77	5435	2.07			
	76.43	171	22.90	5270	2.91			
	72.49	186	24.14	5320	2.72	LH67 LV67 LW67	90	27
	82.03	164	21.33	5155	2.96			24
	93.12	145	18.79	4990	3.22			23
	113.58	119	15.41	4730	3.68			
	139.63	96	12.53	4465	4.22			
	176.68	76	9.90	4175	4.93			
	288.63	47	6.06	3580	5.66			
	24.12	542	72.56	5590	0.83	LH57 LV57 LW57	90	22
	26.99	484	64.84	5535	0.93			24
	29.07	450	60.21	5495	1.00			23
	32.37	404	54.07	5420	1.00			
	37.89	345	46.18	5295	1.00			
	41.20	317	42.48	5225	1.00			
	45.88	285	38.14	5125	1.00			
	54.13	241	32.33	4765	1.51			
	63.37	206	27.61	4635	1.67			
	68.90	190	25.40	4560	1.77			
	76.73	170	22.81	4460	1.90			
	69.24	195	25.27	4685	1.97			
	74.30	181	23.55	4610	2.06	LH57 LV57 LW57	90	21
	83.47	161	20.96	4490	2.23			21
	93.09	145	18.80	4370	2.39			20
	112.69	120	15.53	4170	2.72			
	151.79	89	11.53	3855	3.32			
	212.28	63	8.24	3510	4.15			
	253.85	53	6.89	3290	4.09			
	355.01	38	4.93	2990	5.12			
	431.48	31	4.06	2820	5.83			
	38.78	337	45.13	5250	0.89			
	42.16	310	41.51	5180	0.97			



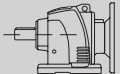
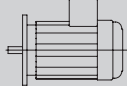
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
1.5 (2HP)	46.95	278	37.28	5085	1.00	LH47		20
	54.98	238	31.83	4740	1.26	LV47	90	19
	64.36	203	27.19	4610	1.48	LW47		18
	69.98	187	25.01	4535	1.61			
	77.93	168	22.46	4435	1.79			
	70.85	190	24.70	4645	1.58			
	76.03	177	23.02	4575	1.69			
	85.41	158	20.49	4450	1.90			
	95.26	141	18.37	4335	2.12			
	115.31	117	15.18	4135	2.57	LH47		19
	155.32	87	11.27	3820	3.30	LV47	90	18
	217.21	62	8.06	3480	4.12	LW47		17
	257.81	52	6.79	3270	4.08			
	360.56	37	4.85	2970	5.10			
	438.22	31	3.99	2805	5.81			
	56.42	232	31.02	2760	0.86	LH37		14
	67.59	193	25.89	2730	1.00	LV37	90	13
						LW37		12
	71.42	189	24.50	2760	1.00			
	79.23	170	22.09	2730	1.00			
	87.73	154	19.95	2690	1.00			
	97.80	138	17.89	2650	1.00			
	111.13	121	15.75	2590	1.56			
	133.93	101	13.07	2505	1.80	LH37		13
	149.15	90	11.73	2450	1.93	LV37	90	13
	174.61	77	10.02	2365	2.15	LW37		12
	205.97	65	8.50	2275	2.40			
	259.77	52	6.74	2130	2.57			
	304.12	44	5.75	2050	2.85			
	358.72	38	4.88	1965	3.18			
	437.50	31	4.00	1860	3.63			
	291.67	48	6.00	4800	1.00			
	341.80	41	5.12	4560	1.00			
	369.20	38	4.74	4330	3.25			
	384.62	36	4.55	4280	3.68			
	417.66	33	4.19	4170	4.29	XH77	90	20
	466.67	30	3.75	4060	5.13			
	538.46	26	3.25	3940	6.55			
	655.43	21	2.67	3640	6.24			
	735.29	19	2.38	3550	7.14			
	386.31	36	4.53	2400	1.00			
	497.16	28	3.52	2180	3.11			
	605.54	23	2.89	2120	4.19			
	643.38	22	2.72	2060	4.12			
	744.68	19	2.35	1975	4.39	XH67	90	14
	940.86	15	1.86	1860	5.01			
	1080.25	13	1.62	1775	5.13			
	1250.00	11	1.40	1705	5.51			
	432.10	32	4.05	2000	1.00			
	482.09	29	3.63	1830	2.26			
	548.59	25	3.19	1775	2.53			
	583.33	24	3.00	1750	2.60	XH57	90	12
	784.75	18	2.23	1625	2.99			
	1100.63	13	1.59	1480	3.41			
	1335.88	10	1.31	1440	4.04			
2.2 (3HP)	1.06	16980	1648	88200	1.06			
	1.17	15350	1490	88200	1.17			
	1.44	12527	1216	88200	1.44			

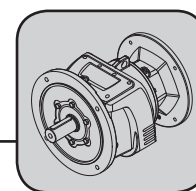


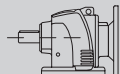
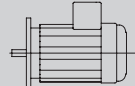
Helical Gear Units

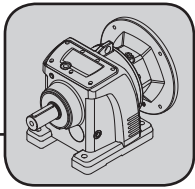
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
2.2 (3HP)	1.70	10638	1032	88200	1.69	MH167 R97	609
	1.88	9616	933	88200	1.87	MV167 R97	608
	2.12	8496	825	88200	2.12		
	2.35	7680	745	88200	2.34		
	2.65	6792	659	88200	2.65		
	3.40	5309	515	62700	2.45		
	3.96	4558	442	62700	2.85	MH147 R87	385
	4.34	4157	403	62700	3.13	MV147 R87	376
	4.80	3756	365	62700	3.46	MW147 R87	361
	5.23	3447	335	62700	3.77		
	1.47	12258	1190	62700	1.06		
	1.74	10344	1004	62700	1.26		
	2.09	8645	839	62700	1.50	MH147 R77	406
	2.45	7374	716	62700	1.76	MV147 R77	398
	2.78	6497	630	62700	2.00	MW147 R77	382
	3.37	5354	520	62700	2.43		
	4.08	4422	429	62700	2.94		
	2.58	6987	678	37500	1.00	MH137 R77	266
	3.13	5770	560	37500	1.21	MV137 R77	277
						MW137 R77	261
	3.20	5807	547	37500	1.21		
	3.48	5339	503	37500	1.31		
	4.13	4504	424	37500	1.55	MH137 R77	255
	4.49	4141	390	37500	1.69	MV137 R77	266
	5.03	3695	348	37500	1.89	MW137 R77	250
	5.65	3291	310	37500	2.13		
	6.14	3026	285	37500	2.31		
	5.02	3592	349	29500	1.20	MH107 R77	184
	5.83	3095	300	29500	1.39	MV107 R77	187
	6.90	2612	253	29500	1.65	MW107 R77	177
	8.19	2201	214	29500	1.95		
	5.22	3560	335	29500	1.21	MH107 R77	173
						MV107 R77	177
						MW107 R77	166
	8.44	2136	207	18100	1.40	LH97 R57	114
						LV97 R57	121
						LW97 R57	110
	8.79	2180	199.06	18100	1.38		
	9.67	1983	181.06	18100	1.51		
	10.52	1822	166.33	18100	1.65		
	12.11	1583	144.53	18100	1.90		
	13.71	1398	127.61	18100	2.15		
	15.71	1220	111.42	18100	2.46		
	17.90	1071	97.76	18100	2.80		
	18.50	1036	94.59	18100	2.90	LH97	99
	20.50	935	85.35	18100	3.21	LV97	106
	21.19	904	82.59	18100	3.32	LW97	114
	22.52	851	77.70	18100	3.53		
	24.15	794	72.46	18100	3.78		
	26.23	731	66.71	18100	4.11		
	27.66	693	63.27	18100	4.33		
	29.40	652	59.52	18100	4.60		
	34.25	560	51.10	18100	5.36		
	39.27	488	44.57	18100	5.84		
	14.32	1338	122.17	16900	1.16		
	15.55	1232	112.52	16900	1.26		
	20.05	956	87.27	16900	1.62		
	24.44	784	71.60	16900	1.89		



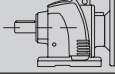
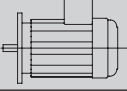
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
2.2 (3HP)	27.44	698	63.77	16900	2.05	LH87 LV87 LW87	100	66 70 64
	28.44	674	61.54	16900	2.10			
	31.93	600	54.81	16900	2.26			
	35.60	538	49.16	16900	2.43			
	38.66	496	45.27	16770	2.57			
	45.82	418	38.20	15980	2.88			
	55.15	348	31.73	14995	2.73			
	72.05	266	24.29	13880	3.27			
87.23	220	20.06	13115	3.71				
76.67	258	22.83	13715	3.94	LH87 LV87 LW87	100	63 68 62	
88.24	224	19.83	13145	4.32				
99.93	198	17.51	12655	4.70				
114.45	173	15.29	12140	5.14				
134.82	147	12.98	11540	5.74				
23.96	800	73.05	7195	0.94	LH77 LV77 LW77	100	37 41 37	
30.31	632	57.73	6985	1.19				
32.87	583	53.24	6900	1.29				
37.31	514	46.90	6755	1.46				
44.52	430	39.31	6335	1.55				
47.25	406	37.04	6265	1.61				
54.73	350	31.97	6095	1.78				
69.26	277	25.27	5805	2.08				
75.08	263	23.31	5795	2.51	LH77 LV77 LW77	100	35 41 37	
96.80	204	18.08	5440	2.97				
117.98	167	14.83	5165	3.39				
132.47	149	13.21	5005	3.67				
147.67	134	11.85	4860	3.94				
160.39	123	10.91	4750	4.16				
190.07	104	9.21	4525	4.66				
302.63	65	5.78	3920	5.39				
38.15	502	45.87	5600	1.19	LH67 LV67 LW67	100	31 29 27	
42.46	451	41.22	5225	1.11				
45.16	424	38.75	5195	1.16				
54.65	351	32.02	5310	1.59				
60.82	315	28.77	5005	1.41				
76.43	251	22.90	4980	1.98	LH67 LV67 LW67	100	30 28 26	
72.49	273	24.14	5005	1.86				
82.03	241	21.33	4875	2.02				
93.12	212	18.79	4745	2.20				
113.58	174	15.41	4530	2.51				
139.63	142	12.53	4305	2.88				
176.68	112	9.90	4050	3.36				
288.63	68	6.06	3485	3.86				
334.35	59	5.23	3345	4.26				
423.08	47	4.14	3130	4.98				
54.13	354	32.33	4220	1.03	LH57 LV57 LW57	100	25 28 26	
63.37	302	27.61	4170	1.14				
68.90	278	25.40	4130	1.21				
76.73	250	22.81	4075	1.30				
69.24	285	25.27	4320	1.34	LH57 LV57 LW57	100	24 25 23	
74.30	266	23.55	4270	1.40				
83.47	237	20.96	4185	1.52				
93.09	212	18.80	4100	1.63				
112.69	175	15.53	3945	1.85				
151.79	130	11.53	3685	2.26				
212.28	93	8.24	3390	2.83				
253.85	78	6.89	3170	2.79				
355.01	56	4.93	2900	3.49				



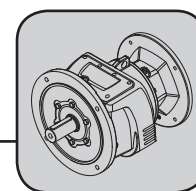
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

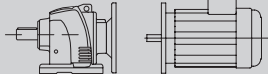
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
2.2 (3HP)	431.48	46	4.06	2750	3.97			
	54.98	349	31.83	4200	0.86	LH47		23
	64.36	298	27.19	4145	1.01	LV47	100	21
	69.98	274	25.01	4110	1.10	LW47		21
	77.93	246	22.46	4055	1.22			
	70.85	279	24.70	4285	1.08			
	76.03	260	23.02	4235	1.15			
	85.41	231	20.49	4150	1.30			
	95.26	207	18.37	4065	1.45			
	115.31	171	15.18	3910	1.75	LH47		22
	155.32	127	11.27	3655	2.25	LV47	100	21
	217.21	91	8.06	3365	2.81	LW47		20
	257.81	77	6.79	3155	2.78			
	360.56	55	4.85	2885	3.48			
	438.22	45	3.99	2735	3.96			
	111.13	178	15.75	2310	1.06			
	133.93	148	13.07	2265	1.23			
	149.15	132	11.73	2235	1.32			
	174.61	113	10.02	2185	1.46	LH37		14
	205.97	96	8.50	2125	1.63	LV37	100	14
	259.77	76	6.74	2000	1.75	LW37		14
	304.12	65	5.75	1935	1.94			
	358.72	55	4.88	1870	2.17			
	437.50	45	4.00	1785	2.48			
	369.20	55	4.74	4150	2.22			
	384.62	53	4.55	4160	2.51			
	417.66	49	4.19	4050	2.93			
	466.67	44	3.75	3960	3.50			
	538.46	38	3.25	3880	4.46	XH77	100	23
	655.43	31	2.67	3560	4.26			
	735.29	28	2.38	3495	4.87			
	821.60	25	2.13	3395	5.26			
	892.86	23	1.96	3275	5.04			
	1054.22	19	1.66	3110	5.35			
	497.16	41	3.52	2040	2.12			
	605.54	34	2.89	2030	2.86			
	643.38	32	2.72	1970	2.81			
	744.68	27	2.35	1895	2.99	XH67	100	17
	940.86	22	1.86	1805	3.42			
	1080.25	19	1.62	1720	3.50			
	1250.00	16	1.40	1660	3.76			
	548.59	37	3.19	1315	1.72			
	583.33	35	3.00	1335	1.78			
	784.75	26	2.23	1395	2.04	XH57	100	15
	1100.63	19	1.59	1375	2.32			
	1335.88	15	1.31	1395	2.75			
	1.44	17082	1216	88200	1.05			
	1.70	14506	1032	88200	1.24			
	1.88	13113	933	88200	1.37	MH167 R97		609
	2.12	11586	825	88200	1.55	MV167 R97	100	608
	2.35	10473	745	88200	1.72			
	2.65	9262	659	88200	1.94			
	3.18	7744	551	88200	2.32			
	3.40	7240	515	62700	1.80			
	3.96	6215	442	62700	2.09	MH147 R87		385
	4.34	5669	403	62700	2.29	MV147 R87	100	376
	4.80	5122	365	62700	2.54	MW147 R87		361
	5.23	4701	335	62700	2.77			

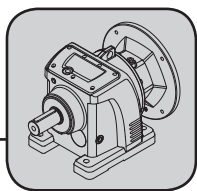
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

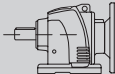
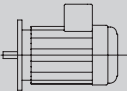
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
3 (4HP)	6.09	4036	287	62700	3.22		
	3.37	7301	520	62700	1.78	MH147 R77	406
	4.08	6030	429	62700	2.16	MV147 R77 MW147 R77	398 382
	3.70	6640	473	37500	1.05		
	4.03	6104	434	37500	1.15	MH137 R77	266
	4.74	5189	369	37500	1.35	MV137 R77	277
	5.49	4477	319	37500	1.56	MW137 R77	261
	6.17	3984	284	37500	1.76		
	7.34	3349	238	37500	2.09		
	4.49	5646	390	37500	1.24	MH137 R77 MV137 R77 MW137 R77	255 266 250
	6.90	3562	253	29500	1.21	MH107 R77	184
	8.19	3001	214	29500	1.43	MV107 R77	187
	9.27	2652	189	29500	1.62	MW107 R77	177
	7.37	3440	237	29500	1.25	MH107 R77 MV107 R77 MW107 R77	173 177 166
	8.79	2973	199.06	18100	1.01		
	9.67	2704	181.06	18100	1.11		
	10.52	2484	166.33	18100	1.21		
	12.11	2158	144.53	18100	1.39		
	13.71	1906	127.61	18100	1.57		
	15.71	1664	111.42	18100	1.80		
	17.90	1460	97.76	18100	2.05		
	18.50	1413	94.59	18100	2.12		
	20.50	1275	85.35	18100	2.35	LH97	99
	21.19	1233	82.59	18100	2.43	LV97	106
	22.52	1160	77.70	18100	2.59	LW97	114
	24.15	1082	72.46	18100	2.77		
	26.23	996	66.71	18100	3.01		
	27.66	945	63.27	18100	3.18		
	29.40	889	59.52	18100	3.37		
	34.25	763	51.10	18100	3.93		
	39.27	666	44.57	18100	4.28		
	46.25	565	37.84	18100	4.88		
	60.38	433	28.98	18100	5.83		
	14.32	1825	122.17	16900	0.85		
	15.55	1680	112.52	16900	0.92		
	20.05	1303	87.27	16900	1.19		
	24.44	1069	71.60	16900	1.39		
	27.44	952	63.77	16900	1.50		
	28.44	919	61.54	16900	1.54	LH87	66
	31.93	819	54.81	16900	1.66	LV87	70
	35.60	734	49.16	16630	1.78	LW87	64
	38.66	676	45.27	16285	1.89		
	45.82	570	38.20	15570	2.11		
	55.15	474	31.73	14605	2.00		
	72.05	363	24.29	13580	2.40		
	87.23	300	20.06	12865	2.72		
	76.67	351	22.83	13460	2.89		
	88.24	305	19.83	12925	3.17		
	99.93	270	17.51	12465	3.45		
	114.45	235	15.29	11970	3.77	LH87	63
	134.82	200	12.98	11400	4.21	LV87	68
	154.41	174	11.33	10940	4.61	LW87	62
	164.12	164	10.66	10735	4.80		

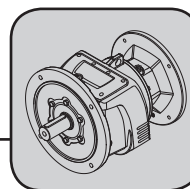


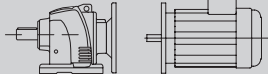
Helical Gear Units

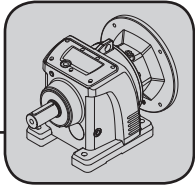
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
3 (4HP)	164.12	164	10.66	10735	4.80			
	191.18	141	9.15	10245	5.31			
	258.26	104	6.78	9285	5.44			
	30.31	862	57.73	6275	0.87			
	32.87	795	53.24	6245	0.94			
	37.31	700	46.90	6180	1.07	LH77		37
	44.52	587	39.31	5775	1.14	LV77	100	41
	47.25	553	37.04	5745	1.18	LW77		37
	54.73	478	31.97	5645	1.30			
	69.26	377	25.27	5445	1.53			
	75.08	359	23.31	5500	1.84			
	96.80	278	18.08	5210	2.18			
	117.98	228	14.83	4980	2.49			
	132.47	203	13.21	4840	2.69			
	147.67	182	11.85	4710	2.89	LH77		35
	160.39	168	10.91	4610	3.05	LV77	100	41
	190.07	142	9.21	4410	3.42	LW77		37
	302.63	89	5.78	3835	3.96			
	366.42	74	4.78	3635	4.49			
	434.24	62	4.03	3460	5.03			
	38.15	685	45.87	4935	0.88			
	42.46	616	41.22	4525	0.81			
	45.16	579	38.75	4535	0.85	LH67		31
	54.65	478	32.02	4850	1.16	LV67	100	29
	60.82	430	28.77	4510	1.03	LW67		27
	76.43	342	22.90	4645	1.46			
	72.49	372	24.14	4645	1.36			
	82.03	328	21.33	4560	1.48			
	93.12	289	18.79	4465	1.61			
	113.58	237	15.41	4300	1.84	LH67		30
	139.63	193	12.53	4115	2.11	LV67	100	28
	176.68	152	9.90	3900	2.47	LW67		26
	288.63	93	6.06	3380	2.83			
	334.35	81	5.23	3255	3.12			
	423.08	64	4.14	3055	3.65			
	63.37	412	27.61	3635	0.84	LH57		25
	68.90	379	25.40	3640	0.88	LV57	100	28
	76.73	341	22.81	3635	0.95	LW57		26
	69.24	389	25.27	3900	0.98			
	74.30	363	23.55	3880	1.03			
	83.47	323	20.96	3840	1.11			
	93.09	289	18.80	3790	1.20			
	112.69	239	15.53	3685	1.36	LH57		24
	151.79	178	11.53	3495	1.66	LV57	100	25
	212.28	127	8.24	3255	2.07	LW57		23
	253.85	106	6.89	3035	2.05			
	355.01	76	4.93	2805	2.56			
	431.48	62	4.06	2670	2.91			
	69.98	373	25.01	3620	0.80	LH47		23
	77.93	335	22.46	3615	0.89	LV47	100	21
						LW47		21
	76.03	354	23.02	3845	0.85			
	85.41	315	20.49	3805	0.95			
	95.26	283	18.37	3755	1.06			
	115.31	234	15.18	3655	1.28	LH47		22
	155.32	173	11.27	3465	1.65	LV47	100	21
	217.21	124	8.06	3225	2.06	LW47		20
	257.81	105	6.79	3015	2.04			



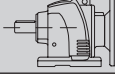
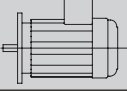
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
3 (4HP)	360.56	75	4.85	2790	2.55	LH37 LV37 LW37	100 14 14
	438.22	61	3.99	2655	2.90		
	133.93	201	13.07	1995	0.90		
	149.15	181	11.73	1995	0.97		
	174.61	154	10.02	1980	1.07		
	205.97	131	8.50	1950	1.20		
	259.77	104	6.74	1850	1.28		
	304.12	89	5.75	1810	1.42		
	358.72	75	4.88	1760	1.59	XH87	100 37
	437.50	62	4.00	1695	1.82		
	318.18	87	5.50	5080	2.43		
	360.82	77	4.85	4910	2.81		
	395.03	70	4.43	4760	4.12	XH77	100 23
	464.19	60	3.77	4620	5.10		
	369.20	75	4.74	3500	1.63		
	384.62	72	4.55	3540	1.84		
	417.66	67	4.19	3510	2.15		
	466.67	60	3.75	3570	2.57	XH67	100 17
	538.46	52	3.25	3710	3.27		
	497.16	56	3.52	1530	1.56		
	605.54	46	2.89	1750	2.10		
	643.38	43	2.72	1690	2.06		
	744.68	37	2.35	1695	2.19	XH57	100 15
	940.86	30	1.86	1715	2.51		
	1080.25	26	1.62	1660	2.56		
	1250.00	22	1.40	1605	2.76		
	548.59	51	3.19	715	1.26		
	583.33	48	3.00	765	1.30		
	784.75	35	2.23	945	1.50	MH167 R97 MV167 R97	112 609 608
	1100.63	25	1.59	1020	1.70		
	1335.88	21	1.31	1160	2.02		
4 (5.4HP)	2.12	15448	825	88200	1.17		
	2.35	13964	745	88200	1.29		
	2.65	12349	659	88200	1.46		
	3.18	10325	551	88200	1.74		
	3.66	8957	478	88200	2.01		
	4.26	7696	411	88200	2.34		
	4.62	7091	378	88200	2.54		
	3.40	9653	515	62700	1.35	MH147 R87 MV147 R87 MW147 R87	112 385 376 361
	3.96	8287	442	62700	1.57		
	4.34	7558	403	62700	1.72		
	4.80	6830	365	62700	1.90		
	5.23	6268	335	62700	2.07		
	6.09	5381	287	62700	2.42		
	7.14	4590	245	62700	2.83		
	8.23	3982	213	62700	3.26		
	9.59	3419	182	62700	3.80		
	10.35	3169	169	62700	4.10		
	3.37	9735	520	62700	1.34	MH147 R77 MV147 R77 MW147 R77	112 406 398 382
	4.08	8040	429	62700	1.62		
	4.74	6918	369	37500	1.01		
	5.49	5969	319	37500	1.17	MH137 R77 MV137 R77 MW137 R77	112 266 277 261
	6.17	5312	284	37500	1.32		
	7.34	4465	238	37500	1.57		
	5.03	6719	348	37500	1.04		
	5.65	5984	310	37500	1.17	MH137 R77 MV137 R77	112 255 266
	6.14	5501	285	37500	1.27		



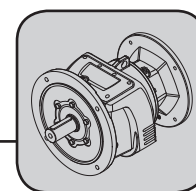
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

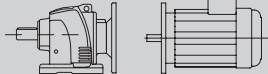
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
4 (5.4HP)	9.27	3536	189	29500	1.22	MH107 R77		184
						MV107 R77	112	187
						MW107 R77		177
	9.21	3669	190	29500	1.17	MH107 R77		173
	10.27	3291	170	29500	1.31	MV107 R77	112	177
						MW107 R77		166
	9.67	3605	181.06	18100	0.83			
	10.52	3312	166.33	18100	0.91			
	12.11	2878	144.53	18100	1.04			
	13.71	2541	127.61	18100	1.18			
	15.71	2219	111.42	18100	1.35			
	17.90	1947	97.76	18100	1.54			
	18.50	1883	94.59	18100	1.59			
	20.50	1700	85.35	18100	1.77			
	21.19	1645	82.59	18100	1.82	LH97		99
	22.52	1547	77.70	18100	1.94	LV97	112	106
	24.15	1443	72.46	18100	2.08	LW97		114
	26.23	1328	66.71	18100	2.26			
	27.66	1260	63.27	18100	2.38			
	29.40	1185	59.52	18100	2.53			
	34.25	1018	51.10	18100	2.95			
	39.27	887	44.57	18100	3.21			
	46.25	753	37.84	18100	3.66			
	60.38	577	28.98	18100	4.38			
	69.15	504	25.31	18100	4.79			
	53.03	677	33.00	18100	4.11	LH97		95
	60.14	597	29.10	18100	4.55	LV97	112	102
	82.43	436	21.23	17600	5.89	LW97		93
	20.05	1738	87.27	16900	0.89			
	24.44	1426	71.60	16900	1.04			
	27.44	1270	63.77	16880	1.13			
	28.44	1225	61.54	16760	1.15			
	31.93	1091	54.81	16360	1.25	LH87		66
	35.60	979	49.16	15975	1.34	LV87	112	70
	38.66	901	45.27	15680	1.41	LW87		64
	45.82	761	38.20	15060	1.58			
	55.15	632	31.73	14115	1.50			
	72.05	484	24.29	13205	1.80			
	87.23	399	20.06	12555	2.04			
	76.67	469	22.83	13145	2.17			
	88.24	407	19.83	12650	2.38			
	99.93	359	17.51	12220	2.58			
	114.45	314	15.29	11760	2.83			
	134.82	266	12.98	11220	3.16			
	154.41	233	11.33	10780	3.45	LH87		63
	164.12	219	10.66	10590	3.60	LV87	112	68
	191.18	188	9.15	10120	3.98	LW87		62
	258.26	139	6.78	9175	4.08			
	304.21	118	5.75	8730	4.55			
	370.33	97	4.73	8220	5.19			
	431.37	83	4.06	7840	5.75			
	37.31	934	46.90	5455	0.80			
	44.52	783	39.31	5080	0.85	LH77		37
	47.25	738	37.04	5085	0.89	LV77	112	41
	54.73	637	31.97	5075	0.98	LW77		37
	69.26	503	25.27	5000	1.14			
	75.08	479	23.31	5130	1.38			
	96.80	371	18.08	4925	1.64			

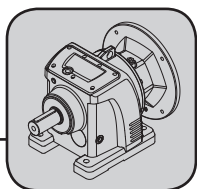
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

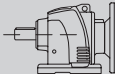
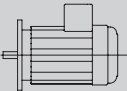
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
117.98	305	14.83	4740	1.87			
132.47	271	13.21	4630	2.02			
147.67	243	11.85	4520	2.17		LH77	35
160.39	224	10.91	4440	2.29		LV77	41
190.07	189	9.21	4265	2.56		LW77	37
302.63	119	5.78	3730	2.97			
366.42	98	4.78	3545	3.37			
434.24	83	4.03	3385	3.77			
54.65	638	32.02	4270	0.87		LH67	31
76.43	456	22.90	4235	1.09		LV67	29
						LW67	27
72.49	496	24.14	4195	1.02			
82.03	438	21.33	4160	1.11			
93.12	386	18.79	4115	1.21			
113.58	316	15.41	4010	1.38		LH67	30
139.63	257	12.53	3885	1.58		LV67	28
176.68	203	9.90	3715	1.85		LW67	26
288.63	124	6.06	3250	2.12			
334.35	107	5.23	3140	2.34			
423.08	85	4.14	2965	2.74			
83.47	430	20.96	3405	0.83			
93.09	386	18.80	3400	0.90			
112.69	319	15.53	3365	1.02		LH57	24
151.79	237	11.53	3255	1.24		LV57	25
212.28	169	8.24	3085	1.56		LW57	23
253.85	142	6.89	2860	1.53			
355.01	101	4.93	2680	1.92			
431.48	83	4.06	2570	2.18			
95.26	377	18.37	3370	0.80			
115.31	312	15.18	3335	0.96			
155.32	231	11.27	3230	1.24		LH47	22
217.21	165	8.06	3055	1.55		LV47	21
257.81	139	6.79	2845	1.53		LW47	20
360.56	100	4.85	2670	1.91			
438.22	82	3.99	2555	2.18			
318.18	116	5.50	4890	1.82			
360.82	103	4.85	4740	2.11		XH87	37
395.03	94	4.43	4600	3.09			
464.19	80	3.77	4510	3.82			
417.66	89	4.19	2780	1.61			
466.67	79	3.75	2940	1.92			
538.46	69	3.25	3200	2.46			
655.43	57	2.67	2900	2.34		XH77	23
735.29	50	2.38	3035	2.68			
821.60	45	2.13	3045	2.89			
892.86	41	1.96	2895	2.77			
1054.22	35	1.66	2825	2.94			
605.54	61	2.89	1260	1.57			
643.38	58	2.72	1200	1.54			
744.68	50	2.35	1260	1.65		XH67	17
940.86	39	1.86	1365	1.88			
1080.25	34	1.62	1335	1.92			
1250.00	30	1.40	1355	2.07			
784.75	47	2.23	385	1.12			
1100.63	34	1.59	575	1.28		XH57	15
1335.88	28	1.31	810	1.51			
5.5 (7.4HP)	2.65	16980	659	88200	1.06		
	3.18	14197	551	88200	1.27		



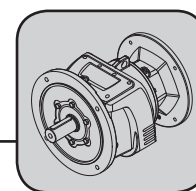
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

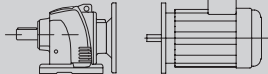
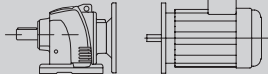
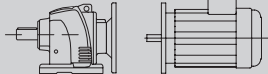
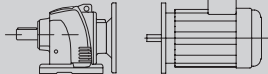
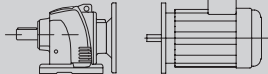
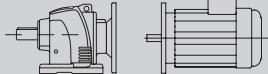
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
5.5 (7.4HP)	3.66	12315	478	88200	1.46	MH167 R97		615
	4.26	10581	411	88200	1.70	MV167 R97	132S	613
	4.62	9750	378	88200	1.85			
	5.33	8459	328	88200	2.13			
	6.09	7400	287	88200	2.43			
	3.96	11394	442	62700	1.14			
	4.34	10393	403	62700	1.25			
	4.80	9391	365	62700	1.38	MH147 R87		391
	5.23	8618	335	62700	1.51	MV147 R87	132S	382
	6.09	7399	287	62700	1.76	MW147 R87		367
	7.14	6311	245	62700	2.06			
	8.23	5476	213	62700	2.37			
	9.59	4701	182	62700	2.77			
	15.15	3162	115.50	29500	1.36			
	16.39	2923	106.76	29500	1.47			
	16.99	2821	103.02	29500	1.52			
	20.23	2368	86.50	29500	1.82			
	21.89	2189	79.95	29500	1.96			
	25.63	1869	68.27	29500	2.30			
	27.82	1722	62.90	29190	2.50	MH107		167
	32.58	1471	53.71	27990	2.92	MV107	132S	182
	33.02	1451	53.00	28065	2.96	MW107		182
	39.33	1218	44.50	26755	3.53			
	44.29	1082	39.52	25995	3.97			
	51.12	937	34.23	24940	4.40			
	59.87	800	29.23	23820	4.75			
	68.57	699	25.52	22970	5.36			
	80.30	597	21.79	21915	5.78			
	71.72	689	24.40	22670	5.51	MH107		161
	80.40	614	21.77	21935	5.94	MV107	132S	176
						MW107		176
	13.71	3494	127.61	18100	0.86			
	15.71	3051	111.42	18100	0.98			
	17.90	2677	97.76	18100	1.12			
	18.50	2590	94.59	18100	1.16			
	20.50	2337	85.35	18100	1.28			
	21.19	2261	82.59	18100	1.33			
	22.52	2127	77.70	18100	1.41			
	24.15	1984	72.46	18100	1.51	LH97		104
	26.23	1826	66.71	18100	1.64	LV97	132S	112
	27.66	1732	63.27	18100	1.73	LW97		103
	29.40	1630	59.52	18100	1.84			
	34.25	1399	51.10	18100	2.14			
	39.27	1220	44.57	18100	2.33			
	46.25	1036	37.84	18100	2.66			
	60.38	794	28.98	18100	3.18			
	69.15	693	25.31	17700	3.48			
	53.03	931	33.00	18100	2.99			
	60.14	821	29.10	18100	3.31	LH97		101
	82.43	599	21.23	17200	4.29	LV97	132S	108
	103.21	479	16.96	16100	5.32	LW97		99
	27.44	1746	63.77	15605	0.82			
	28.44	1685	61.54	15530	0.84			
	31.93	1501	54.81	15260	0.91			
	35.60	1346	49.16	14990	0.97	LH87		71
	38.66	1239	45.27	14775	1.03	LV87	132S	76
	45.82	1046	38.20	14295	1.15	LW87		70
	55.15	869	31.73	13375	1.09			

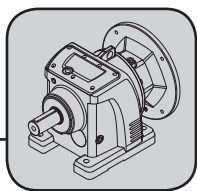
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

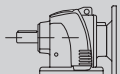
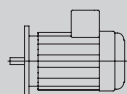
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
5.5 (7.4HP)	72.05	665	24.29	12640	1.31		
	87.23	549	20.06	12090	1.48		
	76.67	644	22.83	12675	1.58		
	88.24	560	19.83	12245	1.73		
	99.93	494	17.51	11860	1.88		
	114.45	432	15.29	11445	2.06		
	134.82	366	12.98	10950	2.29		
	154.41	320	11.33	10550	2.51		
	164.12	301	10.66	10370	2.62		
	191.18	258	9.15	9930	2.90		
	258.26	191	6.78	9015	2.97		
	304.21	162	5.75	8595	3.31		
	370.33	133	4.73	8105	3.78		
	431.37	115	4.06	7740	4.18		
	69.26	692	25.27	4325	0.83		
	75.08	658	23.31	4575	1.00		
	96.80	510	18.08	4495	1.19		
	117.98	419	14.83	4390	1.36		
	132.47	373	13.21	4315	1.47		
	147.67	334	11.85	4240	1.58		
	160.39	308	10.91	4180	1.67		
	190.07	260	9.21	4045	1.87		
	302.63	163	5.78	3570	2.16		
	366.42	135	4.78	3415	2.45		
	434.24	114	4.03	3275	2.74		
	274.29	185	6.38	9240	2.23		
	318.18	160	5.50	8860	2.69		
	357.14	145	4.90	8570	4.80		
	309.73	164	5.65	7840	2.28		
	352.82	144	4.96	7330	2.77		
	395.93	129	4.42	7100	4.08		
	459.32	111	3.81	6980	4.74		
	502.87	101	3.48	6630	5.18		
	570.03	89	3.07	6540	5.88		
	652.99	78	2.68	6140	6.73		
	754.31	68	2.32	5880	7.25		
	777.78	65	2.25	5860	7.10		
	825.47	62	2.12	5720	7.53		
	925.93	55	1.89	5530	7.95		
	1023.39	50	1.71	5430	9.12		
	395.03	129	4.43	4350	2.25		
	464.19	110	3.77	4340	2.78		
	494.35	103	3.54	4190	2.91		
	548.59	93	3.19	4080	3.06		
	618.37	82	2.83	3960	3.24		
	694.44	73	2.52	3850	3.42		
	774.34	66	2.26	3740	3.59		
	817.76	62	2.14	3680	3.68		
	538.46	95	3.25	2430	1.79		
	655.43	78	2.67	2150	1.70		
	735.29	69	2.38	2400	1.95		
	821.60	62	2.13	2480	2.10		
	892.86	57	1.96	2325	2.02		
	1054.22	48	1.66	2315	2.14		
7.5 (10HP)	3.66	16794	478	88200	1.07		
	4.26	14429	411	88200	1.25		



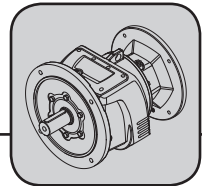
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

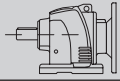
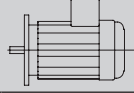
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]		
7.5 (10HP)	4.62	13295	378	88200	1.35	MV167 R97		613		
	5.33	11535	328	88200	1.56					
	6.09	10091	287	88200	1.78					
	5.23	11752	335	62700	1.11	MH147 R87 MV147 R87 MW147 R87	132M	391 382 367		
	6.09	10089	287	62700	1.29					
	7.14	8605	245	62700	1.51					
	8.23	7467	213	62700	1.74					
	9.59	6410	182	62700	2.03					
	10.35	5942	169	62700	2.19					
	15.15	4312	115.50	29500	1.00				MH107 MV107 MW107	132M
16.39	3986	106.76	29500	1.08						
16.99	3846	103.02	29500	1.12						
20.23	3229	86.50	29350	1.33						
21.89	2985	79.95	28965	1.44						
25.63	2549	68.27	27995	1.69						
27.82	2348	62.90	27705	1.83						
32.58	2005	53.71	26690	2.14						
33.02	1979	53.00	26850	2.17						
39.33	1661	44.50	25710	2.59						
44.29	1475	39.52	25085	2.91						
51.12	1278	34.23	24135	3.23						
59.87	1091	29.23	23115	3.48						
68.57	953	25.52	22370	3.93						
80.30	814	21.79	21385	4.24						
133.69	489	13.09	18400	5.32						
71.72	939	24.40	22095	4.04	MH107 MV107 MW107	132M	161 176 176			
80.40	838	21.77	21420	4.36						
121.72	553	14.38	19030	5.59						
17.90	3650	97.76	18100	0.82	LH97 LV97 LW97	132M	104 112 103			
18.50	3532	94.59	18100	0.85						
20.50	3187	85.35	18100	0.94						
21.19	3083	82.59	18100	0.97						
22.52	2901	77.70	18100	1.03						
24.15	2705	72.46	18100	1.11						
26.23	2491	66.71	18100	1.20						
27.66	2362	63.27	18100	1.27						
29.40	2222	59.52	18100	1.35						
34.25	1908	51.10	18100	1.57						
39.27	1664	44.57	18100	1.71						
46.25	1413	37.84	18100	1.95						
60.38	1082	28.98	17500	2.33						
69.15	945	25.31	17000	2.55						
53.03	1270	33.00	18100	2.19	LH97 LV97 LW97	132M	101 108 99			
60.14	1120	29.10	18000	2.43						
82.43	817	21.23	16700	3.14						
103.21	653	16.96	15700	3.90						
129.10	522	13.56	14800	4.55						
175.00	385	10.00	13570	5.58						
206.07	327	8.49	12770	5.10						
258.01	261	6.78	11970	5.93						
45.82	1426	38.20	13275	0.84	LH87 LV87 LW87	132M	71 76 70			
55.15	1185	31.73	12395	0.80						
72.05	907	24.29	11890	0.96						
87.23	749	20.06	11470	1.09						
76.67	879	22.83	12050	1.16						
88.24	763	19.83	11695	1.27						
99.93	674	17.51	11375	1.38						
114.45	589	15.29	11025	1.51						

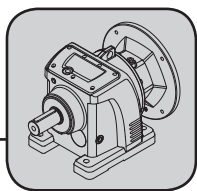
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

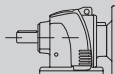
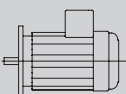
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
7.5 (10HP)	134.82	500	12.98	10595	1.68	LH87 LV87 LW87	132M 73 67
	154.41	436	11.33	10235	1.84		
	164.12	410	10.66	10075	1.92		
	191.18	352	9.15	9675	2.12		
	258.26	261	6.78	8800	2.18		
	304.21	221	5.75	8410	2.43		
	370.33	182	4.73	7955	2.77		
	431.37	156	4.06	7615	3.06		
	96.80	696	18.08	3920	0.87	LH77 LV77 LW77	132M 42 48 44
	117.98	571	14.83	3920	1.00		
	132.47	508	13.21	3900	1.08		
	147.67	456	11.85	3865	1.16		
	160.39	420	10.91	3835	1.22		
	190.07	354	9.21	3755	1.37		
	302.63	223	5.78	3360	1.58		
	366.42	184	4.78	3240	1.80		
	434.24	155	4.03	3130	2.01		
	274.29	255	6.38	8940	1.64	XH107	132M 77
	318.18	220	5.50	8600	1.97		
	357.14	195	4.90	8340	3.52		
	423.73	165	4.13	7960	4.85		
	309.73	224	5.65	7650	1.67	XH97	132M 56
	352.82	197	4.96	7090	2.03		
	395.93	175	4.42	6890	2.99		
	459.32	151	3.81	6850	3.47		
	502.87	138	3.48	6460	3.80		
	570.03	122	3.07	6440	4.31		
	395.03	176	4.43	3380	1.65	XH87	132M 42
	464.19	150	3.77	3760	2.04		
	494.35	140	3.54	3620	2.14		
	548.59	127	3.19	3620	2.25		
	618.37	112	2.83	3630	2.38		
	694.44	100	2.52	3610	2.51		
	774.34	90	2.26	3570	2.63		
	817.76	85	2.14	3525	2.70		
	857.84	81	2.04	3550	2.90		
	1047.90	66	1.67	3310	2.97		
9.2 (12.4HP)	4.62	16309	378	88200	1.10	MH167 R97	615
	5.33	14150	328	88200	1.27	MV167 R97	613
	6.09	12379	287	88200	1.45		
	6.09	12376	287	62700	1.05	MH147 R87 MV147 R87 MW147 R87	132M 391 382 367
	7.14	10556	245	62700	1.23		
	8.23	9159	213	62700	1.42		
	9.59	7863	182	62700	1.65		
	10.35	7289	169	62700	1.78		
	15.15	5290	115.50	28520	0.81	MH107 MV107 MW107	132M 167 182 182
	16.39	4889	106.76	28390	0.88		
	16.99	4718	103.02	28320	0.91		
	20.23	3961	86.50	27615	1.09		
	21.89	3661	79.95	27370	1.17		
	25.63	3126	68.27	26590	1.38		
	27.82	2881	62.90	26445	1.49		
	32.58	2460	53.71	25580	1.75		
	33.02	2427	53.00	25815	1.77		
	39.33	2038	44.50	24820	2.11		
	44.29	1810	39.52	24310	2.38		
	51.12	1568	34.23	23445	2.63		
	59.87	1339	29.23	22515	2.84		

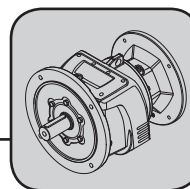


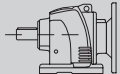
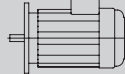
Helical Gear Units

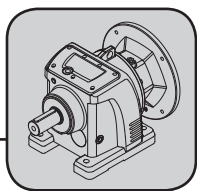
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]					
9.2 (12.4HP)	68.57	1169	25.52	21860	3.20								
	80.30	998	21.79	20935	3.46								
	133.69	600	13.09	18105	4.34								
	71.72	1152	24.40	21600	3.29								
	80.40	1028	21.77	20980	3.55								
	121.72	679	14.38	18735	4.55								
	167.58	493	10.44	17145	5.80								
	21.19	3782	82.59	18100	0.79								
	22.52	3559	77.70	18100	0.84								
	24.15	3319	72.46	18100	0.90								
26.23	3055	66.71	18100	0.98	LH97 LV97 LW97	132M	104 112 103						
27.66	2898	63.27	18100	1.04									
29.40	2726	59.52	18100	1.10									
34.25	2340	51.10	18100	1.28									
39.27	2041	44.57	18000	1.40									
46.25	1733	37.84	17600	1.59									
60.38	1327	28.98	16800	1.90									
69.15	1159	25.31	16400	2.08									
53.03	1558	33.00	17900	1.79				LH97 LV97 LW97	132M	101 108 99			
60.14	1374	29.10	17400	1.98									
82.43	1002	21.23	16200	2.56									
103.21	801	16.96	15400	3.18									
129.10	640	13.56	14500	3.71									
175.00	472	10.00	13360	4.55									
206.07	401	8.49	12560	4.16									
258.01	320	6.78	11800	4.83									
322.75	256	5.42	11070	5.61									
87.23	919	20.06	10945	0.89	LH87 LV87 LW87	132M	71 76 70						
76.67	1078	22.83	11515	0.94									
88.24	936	19.83	11235	1.03									
99.93	827	17.51	10970	1.12									
114.45	722	15.29	10670	1.23									
134.82	613	12.98	10290	1.37									
154.41	535	11.33	9970	1.50									
164.12	503	10.66	9825	1.56									
191.18	432	9.15	9465	1.73									
258.26	320	6.78	8615	1.77									
304.21	272	5.75	8255	1.98	LH87 LV87 LW87	132M	69 73 67						
370.33	223	4.73	7830	2.26									
431.37	192	4.06	7505	2.50									
318.18	270	5.50	8380	1.61				XH107	132M	77			
357.14	240	4.90	8140	2.87									
423.73	200	4.13	7790	3.96									
519.29	165	3.37	7380	4.79									
395.93	215	4.42	6700	2.44							XH97	132M	56
459.32	185	3.81	6740	2.83									
502.87	169	3.48	6310	3.10									
570.03	149	3.07	6360	3.51									
652.99	130	2.68	5890	4.02									
754.31	113	2.32	5660	4.34									
777.78	110	2.25	5660	4.25									
825.47	103	2.12	5520	4.50									
925.93	92	1.89	5340	4.75									
1023.39	83	1.71	5310	5.45									
494.35	172	3.54	2950	1.74									
548.59	155	3.19	3010	1.83									



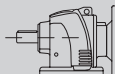
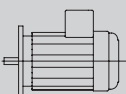
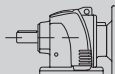
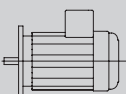
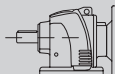
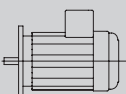
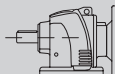
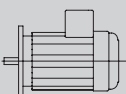
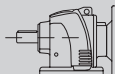
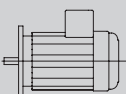
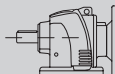
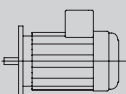
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	618.37	138	2.83	3070	1.94	XH87	132M	42
	694.44	123	2.52	3110	2.05			
	774.34	110	2.26	3120	2.15			
	817.76	104	2.14	3120	2.20			
	857.84	99	2.04	3235	2.37			
	1047.90	81	1.67	3080	2.42			
11 (15HP)	6.01	14991	291	88200	1.20	MH167 R107 MV167 R107	160M	643
	6.43	14031	272	88200	1.28			641
	7.91	11402	221	88200	1.58			
	8.87	10163	197	88200	1.77			
	11.06	8154	158	88200	2.21			
	6.12	15185	286	88200	1.19	MH167 R107 MV167 R107	160M	602
								600
	5.33	16918	328	88200	1.06	MH167 R97 MV167 R97 MW167 R97	160M	626
	6.09	14801	287	88200	1.22			624
	7.14	12621	245	62700	1.03	MH147 R87 MV147 R87 MW147 R87	160M	402
	8.23	10951	213	62700	1.19			393
	9.59	9402	182	62700	1.38			378
	10.35	8715	169	62700	1.49			
	9.82	9756	178.17	88200	1.84	MH167 MV167	160M	604 613
	10.33	9277	169.42	88200	1.94			
	11.05	8672	158.37	88200	2.08			
	12.54	7644	139.60	88200	2.35			
	14.40	6657	121.56	88200	2.70			
	15.93	6017	109.89	88200	2.99			
	17.22	5566	101.64	88200	3.23			
	19.85	4828	88.17	84900	3.73			
	21.72	4413	80.58	82700	4.08			
	25.07	3822	69.80	79200	4.71			
	28.90	3316	60.56	75900	5.43			
	14.92	6423	117.29	62700	2.02	MH147 MV147 MW147	160M	399 394 394
	16.05	5970	109.03	62700	2.18			
	17.60	5445	99.44	62700	2.39			
	19.48	4920	89.86	62700	2.64			
	21.01	4561	83.30	62700	2.85			
	24.72	3877	70.80	62700	3.35			
	28.98	3307	60.38	62700	3.93			
	34.66	2765	50.49	62700	4.70			
	38.91	2463	44.98	62700	5.08			
	41.97	2283	41.70	61820	5.34			
	49.38	1941	35.44	58860	5.95			
	14.93	6420	117.25	41600	1.09	MH137 MV137 MW137	160M	273 307 307
	16.23	5900	107.80	40900	1.19			
	17.56	5460	99.66	40500	1.28			
	19.10	5020	91.63	39800	1.40			
	22.14	4330	79.05	38700	1.62			
	24.88	3850	70.35	37900	1.82			
	29.59	3240	59.14	36500	2.16			
	32.18	2980	54.38	35800	2.35			
	34.91	2750	50.13	34900	2.55			
	39.34	2440	44.49	34100	2.87			
	40.46	2370	43.25	33700	2.96			
	49.45	1940	35.39	32100	3.61			
	53.33	1800	32.81	31500	3.90			
	72.20	1330	24.24	28700	4.71			
	84.63	1130	20.68	27500	5.24			
	20.23	4736	86.50	25780	0.91			

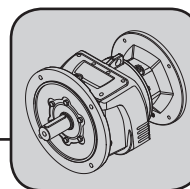


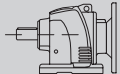
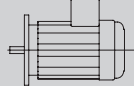
Helical Gear Units

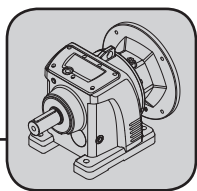
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]		
11 (15HP)	21.89	4378	79.95	25670	0.98					
	25.63	3738	68.27	25105	1.15					
	27.82	3444	62.90	25115	1.25					
	32.58	2941	53.71	24415	1.46					
	33.02	2902	53.00	24720	1.48					
	39.33	2437	44.50	23870	1.76					
	44.29	2164	39.52	23495	1.99					
	51.12	1874	34.23	22725	2.20					
	59.87	1601	29.23	21875	2.38					
	68.57	1398	25.52	21320	2.68					
	80.30	1193	21.79	20465	2.89					
	133.69	717	13.09	17785	3.63					
	71.72	1378	24.40	21080	2.75					
	80.40	1229	21.77	20515	2.97					
	121.72	812	14.38	18415	3.81					
167.58	590	10.44	16920	4.85						
26.23	3653	66.71	18100	0.82						
27.66	3464	63.27	18100	0.87						
29.40	3259	59.52	18100	0.92						
34.25	2798	51.10	18100	1.07						
39.27	2441	44.57	16800	1.17						
46.25	2072	37.84	16600	1.33						
60.38	1587	28.98	16100	1.59						
69.15	1386	25.31	15700	1.74						
53.03	1863	33.00	17200	1.49						
60.14	1643	29.10	16800	1.66						
82.43	1199	21.23	15800	2.14						
103.21	957	16.96	15000	2.66						
129.10	765	13.56	14200	3.10						
175.00	565	10.00	13150	3.80						
206.07	479	8.49	12330	3.48						
258.01	383	6.78	11620	4.04						
322.75	306	5.42	10930	4.69						
437.50	226	4.00	10020	5.75						
88.24	1120	19.83	10740	0.86						
99.93	989	17.51	10535	0.94						
114.45	863	15.29	10290	1.03						
134.82	733	12.98	9970	1.15						
154.41	640	11.33	9690	1.26						
164.12	602	10.66	9560	1.31						
191.18	517	9.15	9235	1.45						
258.26	383	6.78	8420	1.48						
304.21	325	5.75	8090	1.66						
370.33	267	4.73	7695	1.89						
431.37	229	4.06	7390	2.09						
318.18	320	5.50	8140	1.34						
357.14	285	4.90	7930	2.40						
423.73	240	4.13	7610	3.31						
519.29	195	3.37	7230	4.01						
560.90	180	3.12	7200	4.45						
760.87	135	2.30	6600	5.27						
395.93	257	4.42	6500	2.04						
459.32	222	3.81	6620	2.37						
502.87	203	3.48	6150	2.59						
570.03	179	3.07	6270	2.94						
652.99	156	2.68	5760	3.37						
754.31	135	2.32	5550	3.63						
777.78	131	2.25	5560	3.55						
										



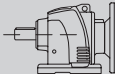
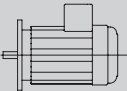
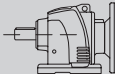
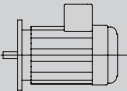
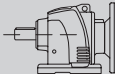
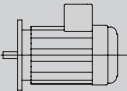
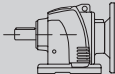
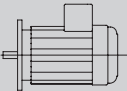
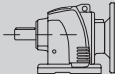
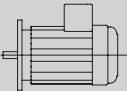
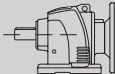
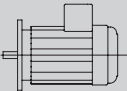
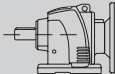
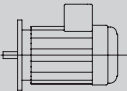
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
11 (15HP)	825.47	123	2.12	5420	3.77	XH87	160M	54
	925.93	110	1.89	5250	3.97			
	1023.39	100	1.71	5250	4.56			
	494.35	206	3.54	2250	1.46			
	548.59	186	3.19	2370	1.53			
	618.37	165	2.83	2490	1.62			
	694.44	147	2.52	2570	1.71			
	774.34	132	2.26	2630	1.79			
	817.76	125	2.14	2650	1.84			
	857.84	119	2.04	2805	1.98			
	1047.90	97	1.67	2685	2.03			
15 (20HP)	7.91	15548	221	88200	1.16	MH167 R107	160L	643
	8.87	13859	197	88200	1.30	MV167 R107		641
	11.06	11119	158	88200	1.62			
	6.12	20707	286	88200	0.87	MH167 R107	160L	602
	7.05	17990	248	88200	1.00			
	8.43	15041	208	88200	1.20			
	10.63	11925	165	88200	1.51	MV167 R107		600
	9.82	13304	178.17	88200	1.35	MH167 MV167	160L	604 613
	10.33	12651	169.42	88200	1.42			
	11.05	11826	158.37	88200	1.52			
	12.54	10424	139.60	88200	1.73			
	14.40	9077	121.56	88200	1.98			
	15.93	8206	109.89	88200	2.19			
	17.22	7589	101.64	86500	2.37			
	19.85	6584	88.17	83200	2.73			
	21.72	6017	80.58	81100	2.99			
	25.07	5212	69.80	77800	3.45			
	28.90	4522	60.56	74700	3.98			
	32.46	4026	53.92	71600	4.47			
	36.06	3623	48.52	69400	4.97			
	39.90	3275	43.86	67400	5.50			
	14.92	8758	117.29	62700	1.48	MH147 MV147 MW147	160L	399 394 394
	16.05	8141	109.03	62700	1.60			
	17.60	7425	99.44	62700	1.75			
	19.48	6710	89.86	62700	1.94			
	21.01	6220	83.30	62700	2.09			
	24.72	5286	70.80	62700	2.46			
	28.98	4509	60.38	62700	2.88			
	34.66	3770	50.49	62700	3.45			
	38.91	3359	44.98	62005	3.72			
	41.97	3113	41.70	60680	3.92			
	49.38	2646	35.44	57895	4.36			
	57.90	2257	30.23	55245	4.85			
	69.24	1887	25.27	52385	5.47			
	14.93	8760	117.25	37200	0.80	MH137 MV137 MW137	160L	273 307 307
	16.23	8050	107.80	36900	0.87			
	17.56	7440	99.66	36900	0.94			
	19.10	6840	91.63	36400	1.02			
	22.14	5900	79.05	35800	1.19			
	24.88	5250	70.35	35400	1.33			
	29.59	4420	59.14	34400	1.58			
	32.18	4060	54.38	33800	1.72			
	34.91	3740	50.13	33000	1.87			
	39.34	3320	44.49	32500	2.11			
	40.46	3230	43.25	32000	2.17			
	49.45	2640	35.39	30700	2.65			
	53.33	2450	32.81	30200	2.86			



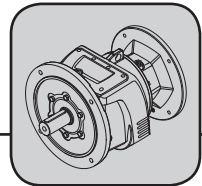
Helical Gear Units

Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

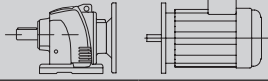
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
15 (20HP)	72.20	1810	24.24	27700	3.46			
	84.63	1540	20.68	26600	3.84			
	119.89	1090	14.60	24300	4.85			
	74.63	1810	23.45	27900	1.54			
	81.17	1660	21.56	27300	1.73			
	102.04	1320	17.15	25600	2.10			
	117.01	1150	14.96	24800	3.77			
	127.27	1060	13.75	24200	4.01			
	172.92	780	10.12	22100	5.74			
	217.39	620	8.05	20700	5.99			
	25.63	5098	68.27	21800	0.84			
	27.82	4697	62.90	22145	0.92			
	32.58	4010	53.71	21815	1.07			
	33.02	3958	53.00	22285	1.09			
	39.33	3323	44.50	21775	1.29			
	44.29	2951	39.52	21680	1.46			
	51.12	2556	34.23	21110	1.62			
	59.87	2183	29.23	20460	1.74			
	68.57	1906	25.52	20115	1.96			
	80.30	1627	21.79	19410	2.12			
	133.69	977	13.09	17085	2.66			
	71.72	1878	24.40	19925	2.02			
	80.40	1675	21.77	19485	2.18			
	121.72	1107	14.38	17715	2.79			
	167.58	804	10.44	16425	3.56			
	389.15	346	4.50	12875	5.26			
	437.01	308	4.00	12455	5.69			
	39.27	3328	44.57	14300	0.86			
	46.25	2825	37.84	14400	0.98			
	60.38	2164	28.98	14400	1.17			
	69.15	1890	25.31	14300	1.28			
	53.03	2540	33.00	15600	1.10			
	60.14	2240	29.10	15400	1.21			
	82.43	1634	21.23	14800	1.57			
	103.21	1305	16.96	14200	1.95			
	129.10	1044	13.56	13600	2.28			
	175.00	770	10.00	12660	2.79			
	206.07	654	8.49	11830	2.55			
	258.01	522	6.78	11220	2.96			
	322.75	417	5.42	10610	3.44			
	437.50	308	4.00	9780	4.21			
	318.18	435	5.50	7620	0.99			
	357.14	390	4.90	7470	1.76			
	423.73	330	4.13	7220	2.43			
	519.29	265	3.37	6900	2.94			
	560.90	250	3.12	6930	3.26			
	760.87	185	2.30	6400	3.86			
	916.23	150	1.91	6080	4.16			
	1258.99	110	1.39	5550	4.62			
	395.93	351	4.42	6070	1.50			
	459.32	302	3.81	6360	1.74			
	502.87	276	3.48	5800	1.90			
	570.03	244	3.07	6060	2.15			
	652.99	213	2.68	5490	2.47			
	754.31	184	2.32	5310	2.66			
	777.78	179	2.25	5350	2.60			
	825.47	168	2.12	5200	2.76			
	925.93	150	1.89	5050	2.91			

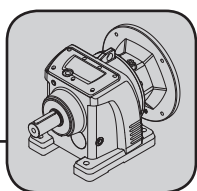
Helical Gear Units



1750 Input Rpm

Selection Tables[kW] L..F/M M..F/..M XH..F/M

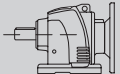
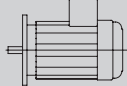
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs		m [kg]
15 (20HP)	1023.39	136	1.71	5120	3.34	XH87	160L 54
	494.35	281	3.54	700	1.07		
	548.59	253	3.19	940	1.12		
	618.37	225	2.83	1190	1.19		
	694.44	200	2.52	1390	1.26		
	774.34	179	2.26	1540	1.32		
	817.76	170	2.14	1605	1.35		
	857.84	162	2.04	1850	1.45		
	1047.90	133	1.67	1815	1.49		
18.5 (25HP)	9.82	16408	178.17	88200	1.10	MH167 MV167	180M 611 632
	10.33	15603	169.42	88200	1.15		
	11.05	14585	158.37	88200	1.23		
	12.54	12856	139.60	88200	1.40		
	14.40	11195	121.56	88200	1.61		
	15.93	10120	109.89	86500	1.78		
	17.22	9360	101.64	84700	1.92		
	19.85	8120	88.17	81600	2.22		
	21.72	7421	80.58	79700	2.43		
	25.07	6428	69.80	76600	2.80		
	28.90	5577	60.56	73600	3.23		
	32.46	4966	53.92	70600	3.62		
	36.06	4469	48.52	68500	4.03		
	39.90	4040	43.86	66500	4.46		
	49.72	3241	35.19	62400	5.55		
	14.92	10802	117.29	62700	1.20	MH147 MV147 MW147	180M 407 403 403
	16.05	10041	109.03	62700	1.29		
	17.60	9158	99.44	62700	1.42		
	19.48	8275	89.86	62700	1.57		
	21.01	7671	83.30	62700	1.69		
	24.72	6520	70.80	62700	1.99		
	28.98	5561	60.38	62700	2.34		
	34.66	4650	50.49	62700	2.79		
	38.91	4142	44.98	60930	3.02		
	41.97	3840	41.70	59685	3.17		
	49.38	3264	35.44	57050	3.54		
	57.90	2784	30.23	54525	3.93		
	69.24	2328	25.27	51770	4.43		
	87.54	1841	19.99	48310	5.18		
	112.06	1483	15.62	44780	5.93	MH147 MV147 MW147	180M 395 390 390
	19.10	8440	91.63	33400	0.83	MH137 MV137 MW137	180M 282 316 316
	22.14	7280	79.05	33200	0.96		
	24.88	6480	70.35	33100	1.08		
	29.59	5450	59.14	32500	1.29		
	32.18	5010	54.38	32000	1.40		
	34.91	4620	50.13	31300	1.52		
	39.34	4100	44.49	31000	1.71		
	40.46	3980	43.25	30600	1.76		
	49.45	3260	35.39	29500	2.15		
	53.33	3020	32.81	29100	2.32		
	72.20	2230	24.24	26800	2.80		
	84.63	1900	20.68	25800	3.11		
	119.89	1340	14.60	23800	3.93		
	74.63	2230	23.45	27100	1.25	MH137	271
	81.17	2050	21.56	26500	1.40		
	102.04	1630	17.15	25000	1.70		
	117.01	1420	14.96	24300	3.05		

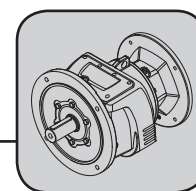


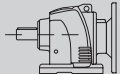
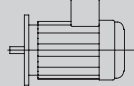
Helical Gear Units

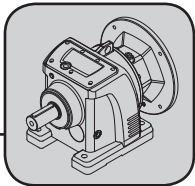
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
18.5 (25HP)	127.27	1310	13.75	23700	3.25	MV137	180M	306
	172.92	960	10.12	21800	4.65	MW137		306
	217.39	760	8.05	20400	4.85			
	359.68	460	4.87	17500	4.90			
	432.73	380	4.04	16600	5.77			
	32.58	4946	53.71	19545	0.87			
	33.02	4881	53.00	20150	0.88			
	39.33	4098	44.50	19945	1.05			
	44.29	3639	39.52	20085	1.18	MH107		187
	51.12	3153	34.23	19700	1.31	MV107	180M	202
	59.87	2692	29.23	19225	1.41	MW107		202
	68.57	2350	25.52	19065	1.59			
	80.30	2007	21.79	18490	1.72			
	133.69	1206	13.09	16475	2.16			
	71.72	2317	24.40	18915	1.64			
	80.40	2066	21.77	18580	1.77			
	121.72	1365	14.38	17110	2.26	MH107		181
	167.58	991	10.44	15990	2.88	MV107	180M	196
	389.15	427	4.50	12660	4.27	MW107		196
	437.01	380	4.00	12260	4.61			
	46.25	3484	37.84	12500	0.79	LH97		123
	60.38	2669	28.98	13000	0.95	LV97	180M	132
	69.15	2331	25.31	13000	1.04	LW97		123
	53.03	3133	33.00	14200	0.89			
	60.14	2763	29.10	14200	0.98			
	82.43	2016	21.23	13900	1.27			
	103.21	1610	16.96	13500	1.58			
	129.10	1287	13.56	13000	1.85	LH97		119
	175.00	949	10.00	12240	2.26	LV97	180M	128
	206.07	806	8.49	11390	2.07	LW97		119
	258.01	644	6.78	10870	2.40			
	322.75	515	5.42	10330	2.79			
	437.50	380	4.00	9580	3.42			
	423.73	405	4.13	6870	1.97			
	519.29	330	3.37	6620	2.38			
	560.90	305	3.12	6700	2.64	XH107	180M	95
	760.87	225	2.30	6220	3.13			
	916.23	185	1.91	5930	3.37			
	1258.99	135	1.39	5430	3.75			
	459.32	373	3.81	6110	1.41			
	502.87	341	3.48	5400	1.54			
	570.03	300	3.07	5890	1.75			
	652.99	262	2.68	5250	2.00			
	754.31	227	2.32	5100	2.16	XH97	180M	74
	777.78	220	2.25	5160	2.11			
	825.47	208	2.12	5000	2.24			
	925.93	185	1.89	4880	2.36			
	1023.39	167	1.71	5000	2.71			
22 (30HP)	9.82	19513	178.17	88200	0.92			
	10.33	18554	169.42	88200	0.97			
	11.05	17345	158.37	88200	1.04			
	12.54	15288	139.60	88200	1.18			
	14.40	13313	121.56	86600	1.35			
	15.93	12035	109.89	84500	1.50			
	17.22	11131	101.64	83000	1.62			
	19.85	9656	88.17	80100	1.86	MH167	180L	611
	21.72	8825	80.58	78300	2.04	MV167		632
	25.07	7644	69.80	75400	2.35			



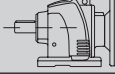
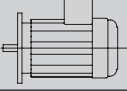
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
22 (30HP)	28.90	6632	60.56	72500	2.71			
	32.46	5905	53.92	69500	3.05			
	36.06	5314	48.52	67500	3.39			
	39.90	4804	43.86	65700	3.75			
	49.72	3854	35.19	61700	4.67			
	62.81	3051	27.86	57700	5.54			
	14.92	12845	117.29	62700	1.01	MH147 MV147 MW147	180L	407 403 403
	16.05	11940	109.03	62700	1.09			
	17.60	10891	99.44	62700	1.19			
	19.48	9841	89.86	62700	1.32			
	21.01	9122	83.30	62700	1.43			
	24.72	7753	70.80	62700	1.68			
	28.98	6613	60.38	62700	1.97			
	34.66	5530	50.49	61645	2.35			
	38.91	4926	44.98	59855	2.54			
	41.97	4566	41.70	58690	2.67			
	49.38	3881	35.44	56200	2.97			
	57.90	3310	30.23	53805	3.31			
	69.24	2768	25.27	51175	3.73			
	87.54	2189	19.99	47830	4.36			
	112.06	1763	15.62	44400	4.98	MH147 MV147 MW147	180L	395 390 390
	131.38	1504	13.32	42335	5.54			
	22.14	8660	79.05	30700	0.81	MH137 MV137 MW137	180L	282 316 316
	24.88	7700	70.35	30800	0.91			
	29.59	6480	59.14	30600	1.08			
	32.18	5960	54.38	30200	1.18			
	34.91	5490	50.13	29600	1.27			
	39.34	4870	44.49	29600	1.44			
	40.46	4740	43.25	29100	1.48			
	49.45	3880	35.39	28300	1.81			
	53.33	3590	32.81	28000	1.95			
	72.20	2650	24.24	25800	2.36			
	84.63	2260	20.68	25100	2.62			
	119.89	1600	14.60	23200	3.30			
	74.63	2650	23.45	26300	1.05	MH137 MV137 MW137	180L	271 306 306
	81.17	2430	21.56	25800	1.18			
	102.04	1940	17.15	24400	1.43			
	117.01	1690	14.96	23800	2.57			
	127.27	1550	13.75	23200	2.74			
	172.92	1140	10.12	21500	3.91			
	217.39	910	8.05	20100	4.08			
	359.68	550	4.87	17300	4.12			
	432.73	460	4.04	16400	4.85			
	39.33	4874	44.50	18105	0.88	MH107 MV107 MW107	180L	187 202 202
	44.29	4328	39.52	18500	0.99			
	51.12	3749	34.23	18285	1.10			
	59.87	3201	29.23	17990	1.19			
	68.57	2795	25.52	18015	1.34			
	80.30	2387	21.79	17565	1.45			
	133.69	1434	13.09	15865	1.81	MH107 MV107 MW107	180L	181 196 196
	71.72	2755	24.40	17900	1.38			
	80.40	2457	21.77	17680	1.49			
	121.72	1623	14.38	16495	1.90			
	167.58	1179	10.44	15560	2.42			
	389.15	508	4.50	12440	3.59			
	437.01	452	4.00	12065	3.88			
	60.38	3174	28.98	11500	0.80			

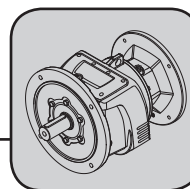


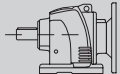
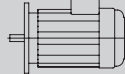
Helical Gear Units

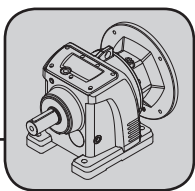
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
22 (30HP)	69.15	2772	25.31	11800	0.87	LH97 LV97 LW97	180L	119
	60.14	3286	29.10	12900	0.83			128
	82.43	2397	21.23	13000	1.07			119
	103.21	1914	16.96	12700	1.33			
	129.10	1530	13.56	12400	1.55			
	175.00	1129	10.00	11810	1.90			
	206.07	959	8.49	10950	1.74			
	258.01	766	6.78	10520	2.02			
	322.75	612	5.42	10050	2.35			
	437.50	452	4.00	9370	2.87			
	423.73	480	4.13	6500	1.65	XH107	180L	95
	519.29	390	3.37	6330	2.00			
	560.90	365	3.12	6470	2.22			
	760.87	270	2.30	6045	2.63			
	916.23	220	1.91	5780	2.83			
	1258.99	160	1.39	5315	3.15			
	459.32	443	3.81	4990	1.18	XH97	180L	74
	502.87	405	3.48	4220	1.30			
	570.03	357	3.07	5320	1.47			
	652.99	312	2.68	4620	1.68			
	754.31	270	2.32	4810	1.81			
	777.78	262	2.25	4650	1.78			
	825.47	247	2.12	4810	1.88			
	925.93	220	1.89	4700	1.99			
	1023.39	199	1.71	4890	2.28			
30 (40HP)	12.54	20848	139.60	83800	0.86	MH167 MV167	200L	611
	14.40	18155	121.56	81700	0.99			632
	15.93	16411	109.89	80200	1.10			
	17.22	15179	101.64	78900	1.19			
	19.85	13167	88.17	76600	1.37			
	21.72	12034	80.58	75100	1.50			
	25.07	10424	69.80	72600	1.73			
	28.90	9044	60.56	70100	1.99			
	32.46	8053	53.92	67100	2.24			
	36.06	7247	48.52	65400	2.48			
	39.90	6551	43.86	63700	2.75			
	49.72	5256	35.19	60100	3.42			
	62.81	4161	27.86	56400	4.06			
	82.58	3165	21.19	52200	4.87			
	73.58	3662	23.78	54300	4.92	MH167 MV167	200L	589
	88.00	3062	19.89	51600	5.68			606
	16.05	16282	109.03	62700	0.80	MH147 MV147 MW147	200L	407
	17.60	14851	99.44	62700	0.88			403
	19.48	13419	89.86	62700	0.97			403
	21.01	12440	83.30	62700	1.05			
	24.72	10573	70.80	62700	1.23			
	28.98	9018	60.38	61115	1.44			
	34.66	7540	50.49	58890	1.72			
	38.91	6717	44.98	57405	1.86			
	41.97	6227	41.70	56410	1.96			
	49.38	5292	35.44	54265	2.18			
	57.90	4514	30.23	52155	2.43			
	69.24	3775	25.27	49790	2.73			
	87.54	2985	19.99	46740	3.20			
	112.06	2404	15.62	43520	3.65	MH147 MV147 MW147	200L	395
	131.38	2051	13.32	41585	4.06			390
	170.94	1576	10.24	38460	4.73			390
	29.59	8830	59.14	26200	0.79			



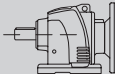
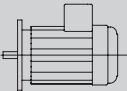
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
30 (40HP)	32.18	8120	54.38	26200	0.86	MH137 MV137 MW137	200L 282 316 316
	34.91	7490	50.13	25700	0.93		
	39.34	6640	44.49	26300	1.05		
	40.46	6460	43.25	25800	1.08		
	49.45	5290	35.39	25600	1.32		
	53.33	4900	32.81	25400	1.43		
	72.20	3620	24.24	23800	1.73		
	84.63	3090	20.68	23300	1.92		
	119.89	2180	14.60	22000	2.42	MH137 MV137 MW137	200L 271 305 305
	81.17	3320	21.56	24200	0.86		
	102.04	2640	17.15	23000	1.05		
	117.01	2300	14.96	22600	1.88		
	127.27	2120	13.75	22200	2.01		
	172.92	1560	10.12	20700	2.87		
	217.39	1240	8.05	19500	2.99		
	359.68	750	4.87	16900	3.02		
	432.73	620	4.04	16000	3.56	MH107 MV107 MW107	200L 187 202 202
	51.12	5112	34.23	15060	0.81		
	59.87	4365	29.23	15160	0.87		
	68.57	3811	25.52	15605	0.98		
	80.30	3255	21.79	15455	1.06		
	133.69	1955	13.09	14460	1.33		
	71.72	3757	24.40	15590	1.01		
	80.40	3351	21.77	15620	1.09		
	121.72	2213	14.38	15100	1.40	MH107 MV107 MW107	200L 181 196 196
	167.58	1608	10.44	14570	1.78		
	389.15	692	4.50	11945	2.63		
	437.01	617	4.00	11625	2.84		
	519.29	535	3.37	4620	1.47		
	560.90	495	3.12	5230	1.63		
	760.87	365	2.30	5525	1.93		
	916.23	305	1.91	5435	2.08		
	1258.99	220	1.39	5045	2.31	XH107	200L 95
	570.03	487	3.07	3200	1.08		
	652.99	425	2.68	2420	1.23		
	754.31	368	2.32	2860	1.33		
	777.78	357	2.25	2670	1.30		
	825.47	336	2.12	3040	1.38		
	925.93	300	1.89	3270	1.46		
	1023.39	271	1.71	3930	1.67		
37 (50HP)	14.40	22391	121.56	77500	0.80	MH167 MV167	225S 620 643
	15.93	20240	109.89	76300	0.89		
	17.22	18720	101.64	75400	0.96		
	19.85	16239	88.17	73500	1.11		
	21.72	14842	80.58	72200	1.21		
	25.07	12856	69.80	70200	1.40		
	28.90	11154	60.56	68000	1.61		
	32.46	9932	53.92	64900	1.81		
	36.06	8938	48.52	63400	2.01		
	39.90	8079	43.86	62000	2.23		
	49.72	6482	35.19	58700	2.78		
	62.81	5132	27.86	55300	3.29		
	82.58	3903	21.19	51400	3.95		
	73.58	4516	23.78	53500	3.99		
	88.00	3776	19.89	50900	4.61	MH167 MV167	225S 598 617
	111.00	2994	15.77	47600	5.38		
	128.15	2593	13.66	45600	5.94		
	21.01	15342	83.30	60755	0.85		

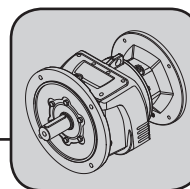


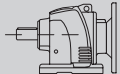
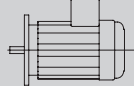
Helical Gear Units

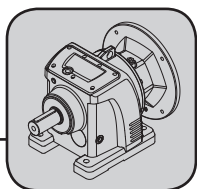
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
37 (50HP)	24.72	13040	70.80	59600	1.00			
	28.98	11122	60.38	58230	1.17			
	34.66	9300	50.49	56470	1.40			
	38.91	8285	44.98	55245	1.51	MH147		416
	41.97	7680	41.70	54420	1.59	MV147	225S	429
	49.38	6527	35.44	52565	1.77	MW147		429
	57.90	5567	30.23	50715	1.97			
	69.24	4655	25.27	48585	2.22			
	87.54	3682	19.99	45785	2.59			
	112.06	2965	15.62	42755	2.96	MH147		404
	131.38	2529	13.32	40935	3.29	MV147	225S	416
	170.94	1944	10.24	37950	3.84	MW147		416
	39.34	8190	44.49	23400	0.85			
	40.46	7970	43.25	22900	0.88			
	49.45	6520	35.39	23200	1.07	MH137		290
	53.33	6040	32.81	23200	1.16	MV137	225S	342
	72.20	4460	24.24	21900	1.40	MW137		342
	84.63	3810	20.68	21700	1.56			
	119.89	2690	14.60	20900	1.96			
	102.04	3260	17.15	21800	0.85			
	117.01	2840	14.96	21600	1.53			
	127.27	2610	13.75	21300	1.63	MH137		279
	172.92	1920	10.12	20000	2.33	MV137	225S	332
	217.39	1530	8.05	18900	2.43	MW137		332
	359.68	920	4.87	16500	2.45			
	432.73	770	4.04	15700	2.89			
45 (60HP)	68.57	4701	25.52	13500	0.80	MH107		194
	80.30	4014	21.79	13610	0.86	MV107	225S	196
	133.69	2411	13.09	13240	1.08	MW107		196
	71.72	4633	24.40	13565	0.82			
	80.40	4133	21.77	13815	0.88			
	121.72	2730	14.38	13880	1.13	MH107		188
	167.58	1983	10.44	13705	1.44	MV107	225S	191
	389.15	854	4.50	11515	2.13	MW107		191
	437.01	760	4.00	11240	2.30			
	519.29	660	3.37	2800	1.19			
	560.90	610	3.12	3630	1.32			
	760.87	450	2.30	4260	1.57	XH107	225S	104
	916.23	375	1.91	4460	1.69			
	1258.99	270	1.39	4525	1.87			
	17.22	22768	101.64	71300	0.79			
	19.85	19751	88.17	70000	0.91			
	21.72	18052	80.58	69000	1.00			
	25.07	15636	69.80	67400	1.15			
	28.90	13566	60.56	65600	1.33	MH167	225M	620
	32.46	12079	53.92	62500	1.49	MV167		643
	36.06	10870	48.52	61300	1.66			
	39.90	9826	43.86	60000	1.83			
	49.72	7884	35.19	57200	2.28			
	62.81	6241	27.86	54100	2.71			
	82.58	4747	21.19	50400	3.24			
	73.58	5493	23.78	52500	3.28			
	88.00	4592	19.89	50000	3.79	MH167		598
	111.00	3641	15.77	46900	4.42	MV167	225M	617
	128.15	3154	13.66	45000	4.88			
	168.48	2399	10.39	41600	5.84			
	24.72	15859	70.80	55735	0.82			
	28.98	13527	60.38	54930	0.96			



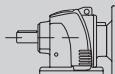
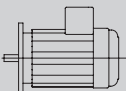
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs	 	m [kg]
45 (60HP)	34.66	11311	50.49	53715	1.15	MH147 MV147 MW147	225M 416 429 429
	38.91	10076	44.98	52795	1.24		
	41.97	9340	41.70	52140	1.31		
	49.38	7939	35.44	50640	1.45		
	57.90	6771	30.23	49060	1.62		
	69.24	5662	25.27	47200	1.82		
	87.54	4478	19.99	44690	2.13		
	112.06	3607	15.62	41875	2.44	MH147 MV147 MW147	225M 404 416 416
	131.38	3076	13.32	40180	2.71		
	170.94	2364	10.24	37360	3.16		
	350.00	1155	5.00	30410	5.09		
	420.98	960	4.16	28770	5.76		
	49.45	7930	35.39	20500	0.88	MH137 MV137 MW137	225M 290 342 342
	53.33	7350	32.81	20700	0.95		
	72.20	5430	24.24	19900	1.15		
	84.63	4630	20.68	19900	1.28		
	119.89	3270	14.60	19600	1.62		
	117.01	3450	14.96	20500	1.26	MH137 MV137 MW137	225M 279 332 332
	127.27	3180	13.75	20200	1.34		
	172.92	2340	10.12	19200	1.91		
	217.39	1860	8.05	18300	2.00		
	359.68	1120	4.87	16100	2.02		
	432.73	930	4.04	15400	2.37	MH107 MV107 MW107	225M 188 191 191
	133.69	2932	13.09	11835	0.89		
	121.72	3320	14.38	12480	0.93		
	167.58	2412	10.44	12715	1.19		
	389.15	1039	4.50	11015	1.75		
	437.01	925	4.00	10800	1.90		
55 (75HP)	21.72	22063	80.58	65000	0.82	MH167 MV167	250M 639 662
	25.07	19110	69.80	63900	0.94		
	28.90	16581	60.56	62600	1.09		
	32.46	14763	53.92	59500	1.22		
	36.06	13286	48.52	58500	1.35		
	39.90	12010	43.86	57500	1.50		
	49.72	9636	35.19	55200	1.87		
	62.81	7628	27.86	52500	2.22		
	82.58	5802	21.19	49200	2.65		
	73.58	6713	23.78	51300	2.68	MH167 MV167	250M 617 637
	88.00	5613	19.89	49000	3.10		
	111.00	4450	15.77	46100	3.62		
	128.15	3855	13.66	44300	4.00		
	168.48	2932	10.39	41100	4.78		
	34.66	13824	50.49	50270	0.94	MH147 MV147 MW147	250M 434 444 444
	38.91	12315	44.98	49720	1.02		
	41.97	11416	41.70	49290	1.07		
	49.38	9703	35.44	48220	1.19		
	57.90	8276	30.23	46995	1.32		
	69.24	6920	25.27	45480	1.49		
	87.54	5473	19.99	43330	1.74		
	112.06	4408	15.62	40770	1.99	MH147 MV147 MW147	250M 421 431 431
	131.38	3760	13.32	39240	2.22		
	170.94	2890	10.24	36625	2.58		
	350.00	1411	5.00	30055	4.16		
	420.98	1173	4.16	28470	4.71		
	72.20	6640	24.24	17200	0.94	MH137 MV137 MW137	250M 308 307 307
	84.63	5660	20.68	17700	1.05		
	119.89	4000	14.60	18000	1.32		
	117.01	4220	14.96	19100	1.03		



Helical Gear Units

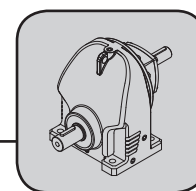
Selection Tables[kW] L..F/M M..F/..M XH..F/M

1750 Input Rpm

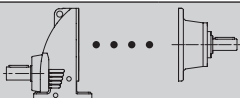
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]		
55 (75HP)	127.27	3880	13.75	18900	1.09	MH137 MV137 MW137	250M	297		
	172.92	2860	10.12	18300	1.57			297		
	217.39	2270	8.05	17500	1.63			297		
	359.68	1370	4.87	15500	1.65					
	432.73	1140	4.04	14900	1.94					
75 (100HP)	28.90	22610	60.56	56600	0.80	MH167 MV167	280S	650		
	32.46	20132	53.92	53400	0.89			674		
	36.06	18117	48.52	53100	0.99					
	39.90	16377	43.86	52600	1.10					
	49.72	13140	35.19	51200	1.37					
	62.81	10402	27.86	49400	1.62	MH167 MV167	280S			
	82.58	7912	21.19	46800	1.95					
	73.58	9155	23.78	48800	1.97					
	88.00	7654	19.89	47000	2.27					
	111.00	6068	15.77	44500	2.65			MH167		629
	128.15	5256	13.66	42900	2.93	MV167		649		
	168.48	3998	10.39	40000	3.50	MH147 MV147 MW147	280S			
	343.35	1962	5.10	32500	4.89					
	444.96	1514	3.93	30100	5.02					
	49.38	13231	35.44	43375	0.87					
	57.90	11285	30.23	42870	0.97					
	69.24	9436	25.27	42025	1.09	MH147 MV147 MW147	280S	449		
	87.54	7464	19.99	40595	1.28			299		
								299		
	112.06	6011	15.62	38575	1.46					
131.38	5127	13.32	37365	1.63	MH147				436	
170.94	3940	10.24	35155	1.89	MV147		285			
350.00	1925	5.00	29335	3.05	MW147		285			
420.98	1600	4.16	27875	3.45						
90 (125HP)	36.06	21740	48.52	49000	0.83	MH167 MV167	280M	650		
	39.90	19653	43.86	48900	0.92			671		
	49.72	15768	35.19	48200	1.14					
	62.81	12483	27.86	47000	1.35					
	82.58	9495	21.19	45100	1.62					
	73.58	10985	23.78	47000	1.64	MH167 MV167	280M			
	88.00	9185	19.89	45400	1.89					
	111.00	7282	15.77	43300	2.21					
	128.15	6308	13.66	41900	2.44					
	168.48	4798	10.39	39200	2.92			MH167		629
	343.35	2354	5.10	32000	4.08	MV167		649		
	444.96	1817	3.93	29800	4.18	MH147 MV147 MW147	280M			
	57.90	13542	30.23	39770	0.81					
	69.24	11324	25.27	39430	0.91					
	87.54	8956	19.99	38550	1.07					
	112.06	7213	15.62	36920	1.22					
	131.38	6152	13.32	35965	1.35	MH147 MV147 MW147	280M	436		
	170.94	4729	10.24	34050	1.58					
	350.00	2309	5.00	28795	2.54					
	420.98	1920	4.16	27425	2.88					
110 (150HP)	49.72	19272	35.19	44300	0.93	MH167 MV167	315S	672		
	62.81	15257	27.86	43900	1.11			687		
	82.58	11604	21.19	42700	1.33					
	73.58	13427	23.78	44600	1.34	MH167 MV167	315S			
	88.00	11226	19.89	43400	1.55					
	111.00	8900	15.77	41700	1.81					
	128.15	7709	13.66	40500	2.00					
	168.48	5864	10.39	38100	2.39					
	343.35	2877	5.10	31400	3.34					
	444.96	2220	3.93	29300	3.42					

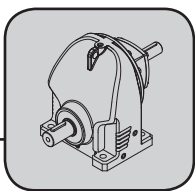
1750 Input Rpm

Helical Gear Units
Selection Tables[kW] L..D M..D XH.D



RX..D

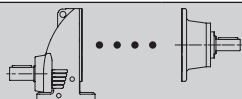
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]	
RX57							65Nm	
5.47	320	37	1.3	2160	650	XHD57	Ø19	9
4.88	359	38	1.5	2040	650			
4.55	385	36	1.5	620	470			
4.05	432	32	1.5	820	490			
3.63	482	65	3.4	265	440			
3.19	549	64	3.8	115	440			
3.00	583	62	3.9	115	440			
2.23	785	53	4.5	105	460			
1.59	1101	43	5.1	80	460	XHD57	Ø24	12
1.31	1336	42	6.0	90	480			
RX67							96Nm	
6.27	279	43	1.3	2700	810	XHD67	Ø19	12
5.47	320	43	1.5	1950	420			
4.95	354	39	1.5	1410	380			
4.53	386	36	1.5	1320	340			
3.52	497	87	4.7	460	230			
2.89	606	96	6.3	140	140			
2.72	643	89	6.2	135	190	XHD67	Ø24	14
2.35	745	82	6.6	130	210			
1.86	941	74	7.5	120	240			
1.62	1080	66	7.7	115	270			
1.40	1250	59	8.3	110	280			
RX77							169Nm	
8.09	216.3	56	1.3	5240	530	XHD77	Ø19	19
7.50	233	54	1.4	5130	550			
6.69	262	53	1.5	3900	440			
6.00	292	48	1.5	3720	440			
5.12	342	41	1.5	3360	430			
4.74	369	122	4.9	1980	1080	XHD77	Ø24	20
4.55	385	133	5.5	1600	1010			
4.19	418	143	6.4	1000	920			
3.75	467	153	7.7	570	840			
3.25	538	169	9.8	230	770	XHD77	Ø38	25
2.67	655	132	9.4	210	900			
2.38	735	135	10.7	205	940			
2.13	822	130	11.6	195	950			
1.96	893	115	11.1	190	990			
1.66	1054	103	11.8	185	1030			



Helical Gear Units

Selection Tables[kW] L..D M..D XH.D

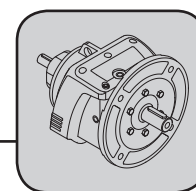
1750 Input Rpm

i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]	
RX87							305Nm	
5.50	318	212	7.3	3390	1300	XHD87	Ø28	33
4.85	361	216	8.4	2930	1240			
4.43	395	289	12.4	1010	1050			
3.77	464	305	15.3	730	960	XHD87	Ø38	38
3.54	494	300	16.0	300	930			
3.19	549	284	16.8	280	950			
2.83	618	267	17.8	270	980			
2.52	694	251	18.8	250	2430	XHD87	Ø42	46
2.26	774	236	19.7	250	2450			
2.14	818	229	20	240	2450			
2.04	858	235	22	235	2450			
1.67	1048	197	22	220	2570			
RX97							525Nm	
5.65	310	375	12.5	7170	870	XHD97	Ø28	47
4.96	353	400	15.2	6130	730	XHD97	Ø38	52
4.42	396	427	18.3	3340	590			
3.81	459	525	26	3710	2040	XHD97	Ø42	60
3.48	503	525	29	2020	1930			
3.07	570	525	32	2580	1970			
2.68	653	525	37	490	2630	XHD97	Ø48	67
2.32	754	490	40	440	2660			
2.25	778	465	39	440	2650			
2.12	825	465	41	430	2690			
1.89	926	437	44	410	2710			
1.71	1023	454	50	400	2730			
RX107							808Nm	
6.38	274	414	12.3	8220	870	XHD107	Ø28	70
5.50	318	430	14.8	7650	1180	XHD107	Ø38	73
4.90	357	685	26	4600	1860	XHD107	Ø42	81
4.13	424	795	36	2050	1550			
3.37	519	786	44	950	2310	XHD107	Ø48	87
3.12	561	808	49	890	2280			
2.30	761	705	58	480	2330			
1.91	916	630	62	470	2380			
1.39	1259	510	69	390	2460			

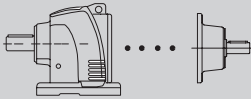
1750 Input Rpm

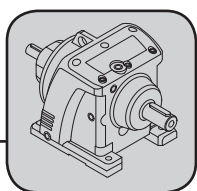
Helical Gear Units

Selection Tables[kW] L..D M..D XH.D



R..D

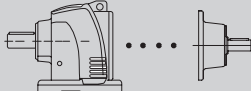
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R17						85Nm	
79.85	22	85	0.21	1770	620	MH17 MV17	Ø16 8 8
68.70	25	85	0.25	1770	610		
59.23	30	85	0.29	1770	600		
49.90	35	85	0.34	1770	580		
45.45	39	85	0.38	1770	590		
39.61	44	85	0.43	1700	580		
35.17	50	85	0.49	1590	560		
29.36	60	85	0.58	1430	540		
24.76	71	85	0.69	1290	510		
19.69	89	85	0.87	1120	460		
15.02	117	71	0.93	1110	240	MH17 MV17	Ø16 8 8
12.65	138	67	1.0	1060	230		
10.04	174	61	1.2	990	260		
7.44	235	54	1.4	910	260		
4.99	351	47	1.8	810	240		
4.05	432	43	2.1	760	260		
R37						200Nm	
138.36	13	200	0.29	4950	540	LH37 LV37 LW37	Ø16 10 11 11
119.28	15	200	0.34	4950	530		
100.51	17	200	0.40	4930	520		
91.53	19	200	0.44	4750	520		
79.77	22	200	0.50	4490	510		
76.66	23	200	0.52	4420	430		
69.81	25	200	0.58	4250	440		
60.84	29	200	0.66	4020	430		
54.03	32	200	0.74	3820	420		
52.24	34	200	0.77	3690	330		
44.01	40	200	0.91	3430	310		
40.08	44	200	1.0	3290	570	LH37 LV37 LW37	Ø19 11 12 11
34.93	50	200	1.2	3090	560		
31.02	56	200	1.3	2930	540		
25.89	68	193	1.5	2690	520		
24.50	71	189	1.5	2720	380	LH37 LV37 LW37	Ø19 10 11 11
22.09	79	170	1.5	2610	410		
19.95	88	154	1.5	2510	370		
17.89	98	138	1.5	2390	390		
15.75	111	189	2.3	2250	330		
13.07	134	181	2.7	2100	320		
11.73	149	175	2.9	2020	330		
10.02	175	166	3.2	1920	360		
8.50	206	157	3.6	1820	290		
6.74	260	133	3.9	1690	260		
5.75	304	126	4.3	1600	230		
4.88	359	119	4.8	1520	160		
4.00	438	112	5.5	1420	120		



Helical Gear Units

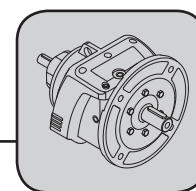
Selection Tables[kW] L..D M..D XH.D

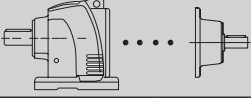
1750 Input Rpm

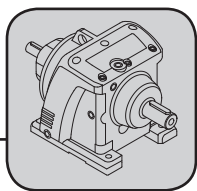
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R47							300Nm
178.83	10	300	0.34	5420	640	LH47 LV47 LW47	Ø16 17 17 17
160.40	11	300	0.38	5420	630		
138.19	13	300	0.44	5420	630		
126.22	14	300	0.48	5420	630		
110.34	16	300	0.55	5420	610		
99.46	18	300	0.61	5420	610		
89.82	19	300	0.67	5420	600		
80.58	22	300	0.75	5420	600		
77.84	22	300	0.77	5420	520		
70.91	25	300	0.85	5420	580		
63.37	28	300	0.95	5420	720	LH47 LV47 LW47	Ø19 17 18 17
58.84	30	300	1.0	5420	740		
52.84	33	300	1.1	5420	740		
45.13	39	300	1.3	5405	740		
41.51	42	300	1.5	5220	700		
37.28	47	278	1.5	4995	700		
31.83	55	300	1.9	4435	670		
27.19	64	300	2.2	4135	670		
25.01	70	300	2.4	3980	600		
22.46	78	300	2.7	3790	590		
24.70	71	300	2.4	4195	520	LH47 LV47 LW47	Ø19 17 17 16
23.02	76	300	2.5	4070	500		
20.49	85	300	2.9	3870	510		
18.37	95	300	3.2	3685	470		
15.18	115	300	3.9	3385	440		
11.27	155	286	5.0	3005	420	LH47 LV47 LW47	Ø24 19 19 18
8.06	217	256	6.2	2685	350		
6.79	258	213	6.1	2485	240		
4.85	361	190	7.7	2225	210		
3.99	438	179	8.7	2085	250		

1750 Input Rpm

Helical Gear Units
Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R57							450Nm
182.99	10	450	0.49	7110	550	LH57 LV57 LW57 Ø16	19 21 19
164.13	11	450	0.55	7110	540		
141.40	12	450	0.64	7110	540		
129.16	14	450	0.70	7110	530		
112.90	16	450	0.80	7110	510		
101.77	17	450	0.89	6890	520		
91.91	19	450	0.98	6600	490		
82.45	21	450	1.1	6300	500		
79.65	22	450	1.1	6210	410		
72.56	24	450	1.3	5960	470	LH57 LV57 LW57 Ø19	19 22 20
64.84	27	450	1.4	5670	660		
60.21	29	450	1.5	5490	690		
54.07	32	404	1.5	5230	690		
46.18	38	345	1.5	4870	690		
42.48	41	317	1.5	4690	630		
38.14	46	285	1.5	4510	630		
32.33	54	363	2.3	4180	640		
27.61	63	345	2.5	3960	650		
25.40	69	335	2.7	3850	570		
22.81	77	324	2.9	3720	580		
25.27	69	382	3.0	3930	440	LH57 LV57 LW57 Ø19	19 21 19
23.55	74	373	3.1	3840	420		
20.96	83	359	3.3	3690	450		
18.80	93	346	3.6	3560	420		
15.53	113	325	4.1	3340	420		
11.53	152	294	5.0	3020	420	LH57 LV57 LW57 Ø24	21 23 21
8.24	212	263	6.2	2700	340		
6.89	254	217	6.1	2500	230		
4.93	355	194	7.7	2230	200		
4.06	431	182	8.7	2090	250		



Helical Gear Units

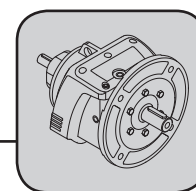
Selection Tables[kW] L..D M..D XH.D

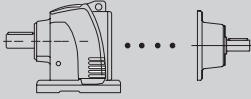
1750 Input Rpm

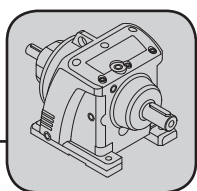
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R67							600Nm
199.88	9	600	0.60	7560	690		LH67 26 LV67 28 LW67 25
169.10	10	600	0.71	7560	740		
151.03	12	600	0.80	7560	790		
140.75	12	600	0.86	7560	810		
125.28	14	600	0.96	7560	860		
112.34	16	600	1.1	7560	860		
98.69	18	600	1.2	7405	880		
92.80	19	600	1.3	7210	900		
78.59	22	600	1.5	6705	500		
68.90	25	514	1.5	6325	910		
63.07	28	471	1.5	5680	500		
58.23	30	435	1.5	5860	560		
52.21	34	390	1.5	5575	540		
45.87	38	600	2.6	5245	550		
41.22	42	501	2.4	5015	650		
38.75	45	490	2.5	4915	690		
32.02	55	556	3.5	4565	630		
28.77	61	444	3.1	4450	760		
22.90	76	498	4.4	4085	640		LH67 28 LV67 29 LW67 27
24.14	72	506	4.1	4155	340		LH67 25
21.33	82	486	4.4	3990	350		LV67 26
18.79	93	466	4.8	3820	370		LW67 24
15.41	114	436	5.5	3580	420		
12.53	140	407	6.3	3340	420		LH67 26
9.90	177	376	7.4	3090	450		LV67 28
6.06	289	264	8.5	2650	220		LW67 25
5.23	334	252	9.4	2520	240		
4.14	423	233	11.0	2330	270		

1750 Input Rpm

Helical Gear Units
Selection Tables[kW] L..D M..D XH.D



i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]	
R77						750Nm		
194.80	9	750	0.77	8620	570	LH77 LV77 LW77 Ø19	34	
170.05	10	750	0.89	8620	630		40	
153.87	11	750	0.98	8620	650		36	
140.70	12	750	1.1	8620	720			
124.34	14	750	1.2	8620	730			
109.54	16	750	1.4	8620	750			
89.80	19	670	1.5	8040	780			
84.62	21	632	1.5	7840	800			
73.05	24	750	2.1	7350	810			
57.73	30	750	2.6	6620	800			
53.24	33	750	2.8	6390	380			
46.90	37	750	3.2	6030	390			
39.31	45	667	3.4	5490	480			
37.04	47	654	3.6	5380	490			
31.97	55	623	3.9	5130	510	LH77 LV77 LW77 Ø24	34	
25.27	69	576	4.6	4740	540		40	
							36	
23.31	75	661	5.5	4570	160	LH77 LV77 LW77 Ø19	32	
18.08	97	607	6.5	4200	250		38	
							34	
14.83	118	568	7.5	3930	240	LH77 LV77 LW77 Ø24	32	
							38	
							34	
13.21	132	547	8.1	3780	1420	LH77 LV77 LW77 Ø38	37	
11.85	148	527	8.7	3640	1450			43
10.91	160	513	9.2	3550	1430			
9.21	190	485	10.3	3350	1440			
5.78	303	352	11.9	2900	1280			
4.78	366	330	13.5	2720	1270			
4.03	434	312	15.1	2570	1280			



Helical Gear Units

Selection Tables[kW] L..D M..D XH.D

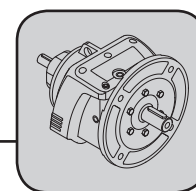
1750 Input Rpm

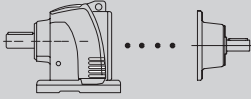
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R87							1550Nm
201.38	9	1504	1.5	16900	510	LH87 LV87 LW87 Ø19	62 65 61
179.70	10	1342	1.5	16900	490		
161.11	11	1203	1.5	16900	500		
137.42	13	1026	1.5	16900	480		
122.17	14	1550	2.6	16900	440		
112.52	16	1550	2.8	16900	420		
87.27	20	1550	3.6	16900	430		
71.60	24	1486	4.2	16900	370	LH87 LV87 LW87 Ø28	63 67 63
63.77	27	1429	4.5	16500	380		
61.54	28	1413	4.6	16300	300		
54.81	32	1359	5.0	15600	330		
49.16	36	1311	5.4	15100	340	LH87 LV87 LW87 Ø38	67 71 67
45.27	39	1275	5.7	14700	1440		
38.20	46	1205	6.3	13900	1430		
31.73	55	950	6.0	13100	1290		
24.29	72	869	7.2	12000	1260		
20.06	87	815	8.2	11300	1230	LH87 LV87 LW87 Ø38	65 69 65
22.83	77	1015	8.7	11700	930		
19.83	88	968	9.5	11100	930		
17.51	100	929	10.3	10700	950	LH87 LV87 LW87 Ø42	73 77 73
15.29	114	888	11.3	10200	2990		
12.98	135	841	12.6	9680	3040		
11.33	154	804	13.8	9250	2990		
10.66	164	787	14.4	9060	3020		
9.15	191	748	15.9	8620	2990		
6.78	258	568	16.3	7850	2370		
5.75	304	538	18.2	7430	2400		
4.73	370	504	21	6960	2380		
4.06	431	479	23	6610	2350		

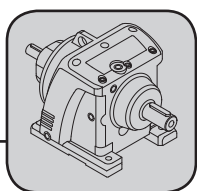
1750 Input Rpm

Helical Gear Units

Selection Tables[kW] L..D M..D XH.D



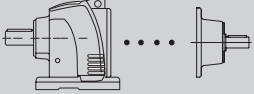
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R97							3000Nm
199.06	9	3000	3.0	18100	520	LH97 LV97 LW97	Ø28 101 108 97
181.06	10	3000	3.3	18100	520		
166.33	11	3000	3.6	18100	480		
144.53	12	3000	4.2	18100	460		
127.61	14	3000	4.7	18100	450		
111.42	16	3000	5.4	18100	440		
97.76	18	3000	6.2	18100	320		
94.59	19	3000	6.4	18100	440		
85.35	21	3000	7.1	18100	1440	LH97 LV97 LW97	Ø38 104 111 100
82.59	21	3000	7.3	18100	1510		
77.70	23	3000	7.8	18100	1510		
72.46	24	3000	8.3	18100	1430		
66.71	26	3000	9.0	18100	1470		
63.27	28	3000	9.5	18100	1380		
59.52	29	3000	10.1	18100	1390		
51.10	34	3000	11.8	17900	1340		
44.57	39	2849	12.8	15600	1060		
37.84	46	2759	14.7	14600	3190	LH97 LV97 LW97	Ø42 113 120 109
28.98	60	2525	17.5	13400	2820		
25.31	69	2413	19.2	12800	2760		
33.00	53	2784	16.4	15000	2250	LH97 LV97 LW97	Ø42 110 114 103
29.10	60	2720	18.2	14300	2250		
21.23	82	2568	24	12500	2230		
16.96	103	2545	29	11300	3010	LH97 LV97 LW97	Ø48 117 121 110
13.56	129	2376	34	10400	3000		
10.00	175	2147	42	9410	2960		
8.49	206	1668	38	8920	2440		
6.78	258	1547	44	8270	2440		
5.42	323	1436	52	7680	2420		
4.00	438	1298	63	6940	2370		
R107							4300Nm
115.50	15	4300	7.5	29500	1450	MH107 MV107 MW107	Ø38 160 163 152
106.76	16	4300	8.1	29500	1410		
103.02	17	4300	8.4	29300	1290		
86.50	20	4300	10.0	26800	1170		
79.95	22	4300	10.8	25900	1110		
68.27	26	4300	12.7	23700	980		
62.90	28	4300	13.7	23100	3640	MH107 MV107 MW107	Ø42 168 171 161
53.71	33	4300	16.1	21100	3390		
53.00	33	4300	16.3	21500	3370		
44.50	39	4300	19.4	19500	4400	MH107 MV107 MW107	Ø48 174 177 167
39.52	44	4300	22	18600	4130		
34.23	51	4128	24	17400	4820		
29.23	60	3803	26	16500	4690		
25.52	69	3743	29	15800	4460		
21.79	80	3449	32	15000	4290		
13.09	134	2601	40	12700	3730		
24.40	72	3793	30	15500	2880	MH107 MV107 MW107	Ø48 164 167 156
21.77	80	3652	33	14900	2520		
14.38	122	3092	42	13000	2800		
10.44	168	2859	53	11700	3100		
4.50	389	1822	79	8910	2620		
4.00	437	1753	85	8580	2290		



Helical Gear Units

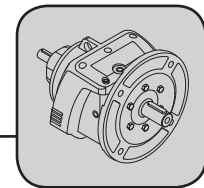
Selection Tables[kW] L..D M..D XH.D

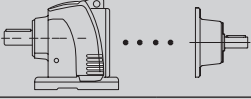
1750 Input Rpm

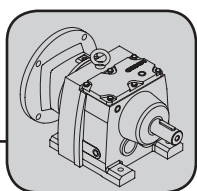
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R137							7000Nm
117.25	15	7000	12.0	37500	3350	MH137 MV137 MW137 Ø42	254
107.80	16	7000	13.0	37500	3200		266
99.66	18	7000	14.1	37500	3050		250
91.63	19	7000	15.4	36100	2860		
79.05	22	7000	17.8	33800	2510		
70.35	25	7000	20	32100	2400		
59.14	30	7000	24	29600	3840	MH137 MV137 MW137 Ø48	260
54.38	32	7000	26	28300	3610		271
50.13	35	7000	28	26700	3360		255
44.49	39	7000	32	25600	3080		
43.25	40	7000	33	24800	3050		
35.39	49	7000	40	22300	2810		
32.81	53	7000	43	21400	5700	MH137 MV137 MW137 Ø55	272
24.24	72	6254	52	18100	5420		284
20.68	85	5932	58	17100	5570		268
14.60	120	5282	73	15300	5180		
23.45	75	2786	23	26100	2270		243
21.56	81	2868	26	25000	2160		255
17.15	102	2771	31	22800	1930	MW137	239
14.96	117	4335	56	18900	5270	MH137 MV137 MW137 Ø55	261
13.75	127	4247	60	18200	5160		272
10.12	173	4472	86	15300	4830		257
8.05	217	3710	90	14700	4740		
4.87	360	2266	91	13600	4720		
4.04	433	2216	107	12600	4590		
R147							13000Nm
117.29	15	13000	22	62700	2490	MH147 MV147 MW147 Ø42	398
109.03	16	13000	24	62700	2470		390
							374
99.44	18	13000	26	62700	3660	MH147 MV147 MW147 Ø48	402
89.86	19	13000	29	62700	3600		394
83.30	21	13000	31	62700	3510		378
70.80	25	13000	37	59700	3380		
60.38	29	13000	43	55700	3270		
50.49	35	12994	52	51400	6010		
44.98	39	12501	56	49500	5390	MH147 MV147 MW147 Ø55	416
41.70	42	12189	59	48200	5390		407
35.44	49	11546	65	45700	5400		392
30.23	58	10950	73	43300	5430		
25.27	69	10316	82	40800	7740		439
19.99	88	9541	96	37700	7730		431
						MW147	415
15.62	112	8787	110	34800	6730	MH147 MV147 MW147 Ø70	439
13.32	131	8333	122	33000	6770		431
10.24	171	7462	142	30200	6360		415
5.00	350	5877	229	23800	6190		
4.16	421	5526	259	22400	6090		

1750 Input Rpm

Helical Gear Units
Selection Tables[kW] L..D M..D XH.D



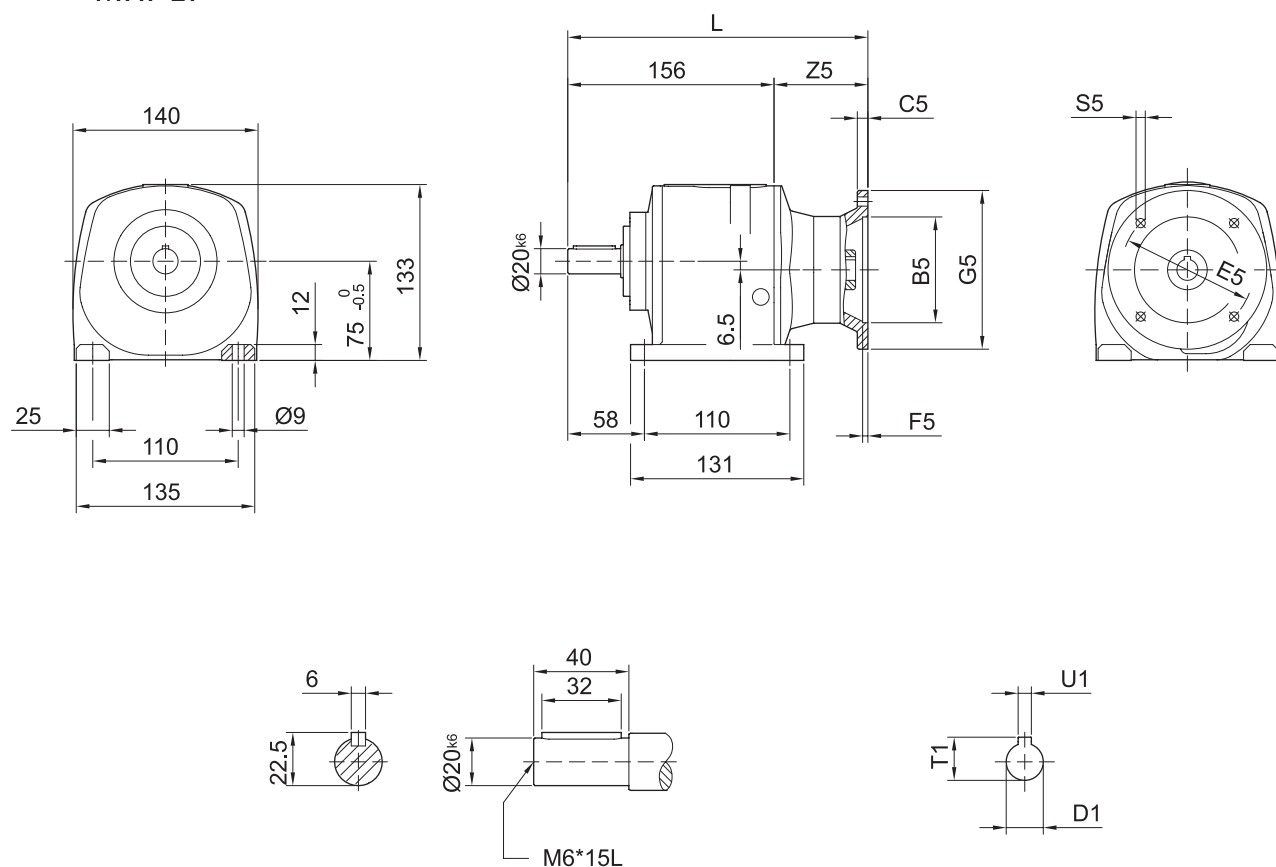
i	na [1/min]	Mamax [Nm]	Pe [kW]	FRa [N]	FRe [N]		m [kg]
R167							18000Nm
178.17	10	18000	20	88200	2500	MH167 MV167	579
169.42	10	18000	21	88200	2510		578
158.37	11	18000	23	88200	2500		578
139.60	13	18000	26	86600	2480		578
121.56	14	18000	30	81900	3610	MH167 MV167	588
109.89	16	18000	33	78600	3630		586
101.64	17	18000	36	76100	3530		586
88.17	20	18000	41	71700	3440		586
80.58	22	18000	45	69100	3350	MH167 MV167	598
69.80	25	18000	52	65000	3230		596
60.56	29	18000	60	61200	6020		596
53.92	32	18000	67	55800	5310		596
48.52	36	18000	75	53200	4880	MH167 MV167	617
43.86	40	18000	82	50800	4910		615
35.19	50	18000	103	45700	7150		615
27.86	63	16900	122	42000	7140		639
21.19	83	15400	146	38400	7110	MH167 MV167	637
23.78	74	18000	147	40000	2760		637
19.89	88	17400	171	37200	5390		658
15.77	111	16100	199	34500	5440		656
13.66	128	15400	220	32800	5470	MH167 MV167	658
10.39	168	14000	263	30000	5430		656
5.10	343	9600	367	23800	3920		656
3.93	445	7600	377	23200	4620		656



Helical Gear Units Dimension Sheets[mm]

3.5 尺寸表 Dimension Sheets R..

MHF 17



For the dimensions concerning the solid input shaft, please refer to the table shown at page 245.

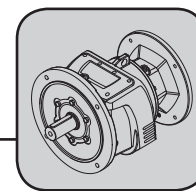
For the dimensions concerning the motor input shaft, please refer to the table shown at page 248.

入力為實心軸之尺寸表・請參閱第 245 頁。

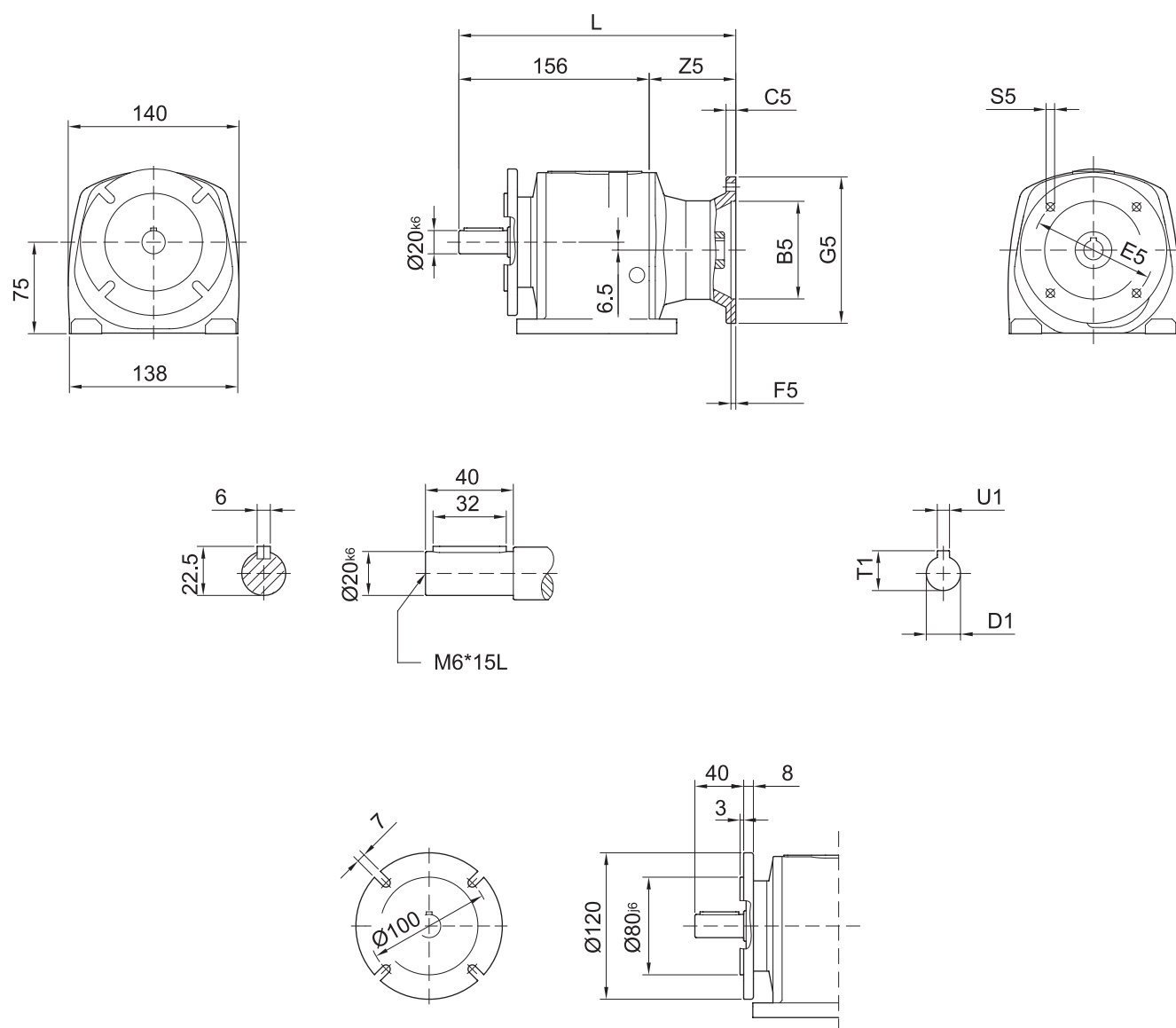
入力為馬達直結型之尺寸表・請參閱第 248 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 56	50	8	65	3	80	212.5	6	56.5	9	10.4	3
IEC 63	60	8	75	3.5	90	212.5	6	56.5	11	12.8	4
IEC 71	70	8	85	3.5	105	212.5	7	56.5	14	16.3	5
IEC 80	80	8	100	4	120	227	7	71	19	21.8	6

MHF 17 型入力法蘭配合馬達 B14 尺寸規格。

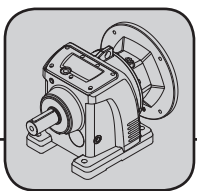


MVF 17



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 56	50	8	65	3	80	212.5	6	56.5	9	10.4	3
IEC 63	60	8	75	3.5	90	212.5	6	56.5	11	12.8	4
IEC 71	70	8	85	3.5	105	212.5	7	56.5	14	16.3	5
IEC 80	80	8	100	4	120	227	7	71	19	21.8	6

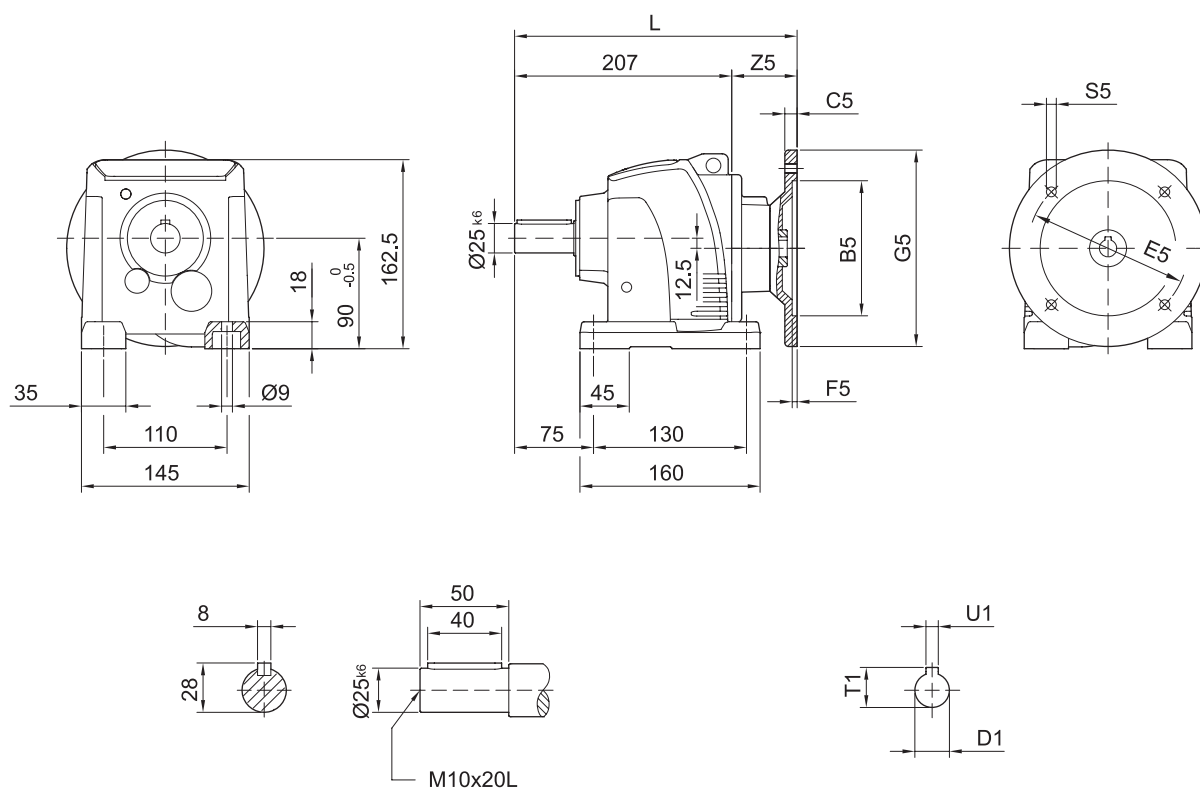
MVF 17 型入力法蘭配合馬達 B14 尺寸規格。



Helical Gear Units

Dimension Sheets[mm]

LHF 37



For the dimensions concerning the solid input shaft, please refer to the table shown at page 244.

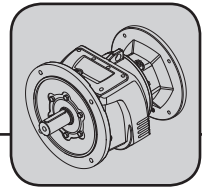
For the dimensions concerning the motor input shaft, please refer to the table shown at page 247.

入力為實心軸之尺寸表・請參閱第 244 頁。

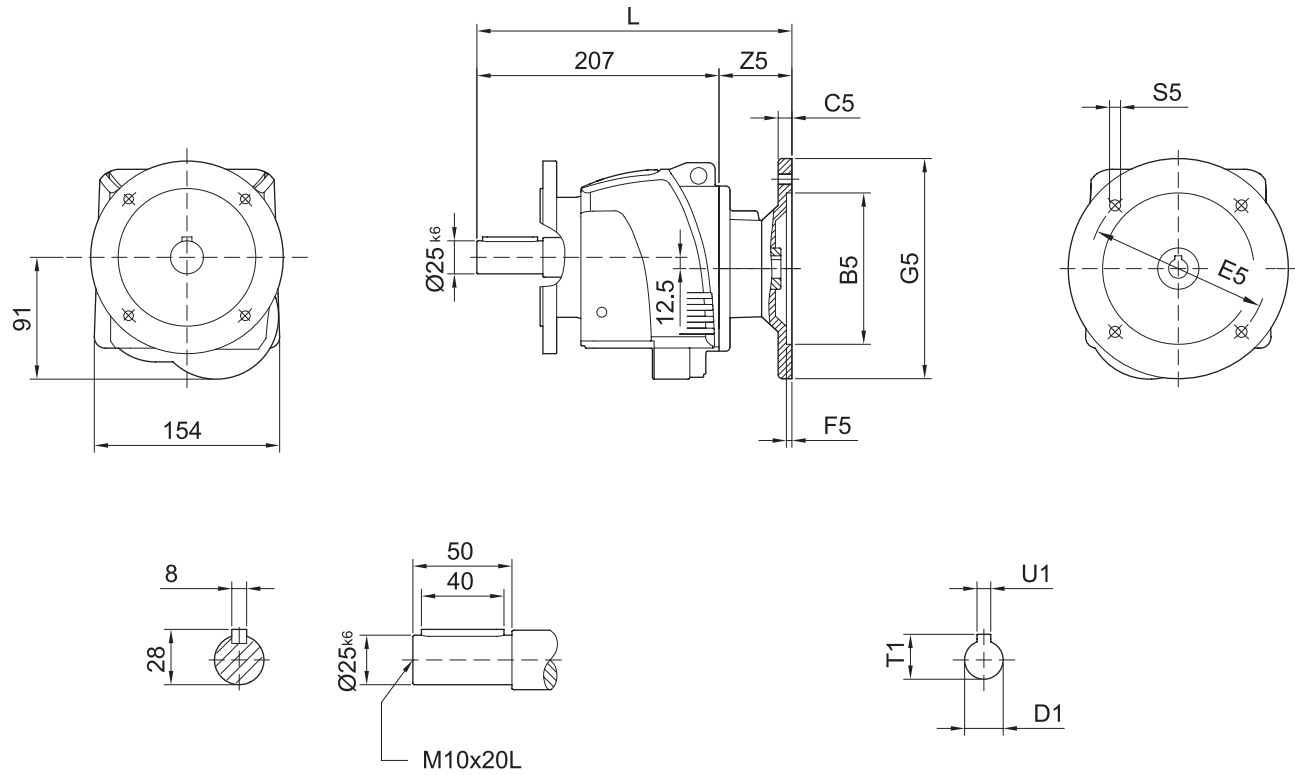
入力為馬達直結型之尺寸表・請參閱第 247 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	260	M8	53	11	12.8	4
IEC 71	110	10	130	4	160	260	M8	56	14	16.3	5
IEC 80	130	12	165	5	200	278	M10	71	19	21.8	6
IEC 90	130	12	165	5	200	278	M10	71	24	27.3	8

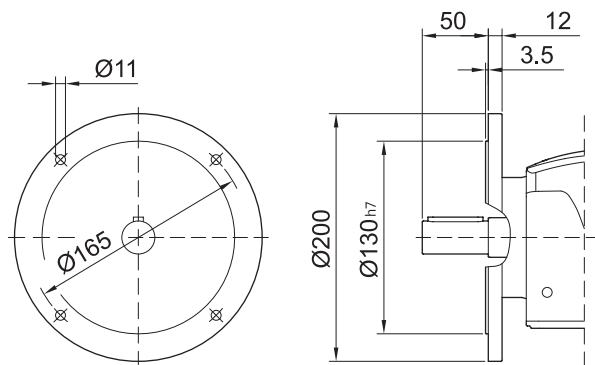
* 台灣東元馬達建議請參閱第 251 頁。



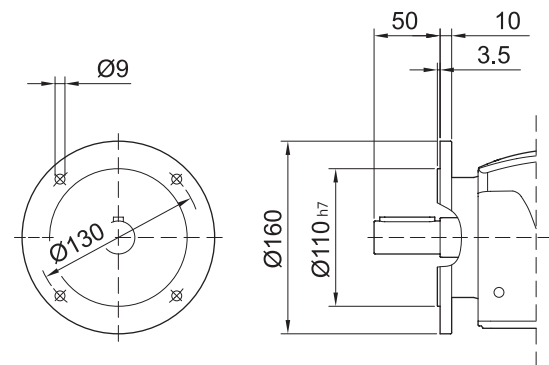
L..F 37



LVF 37

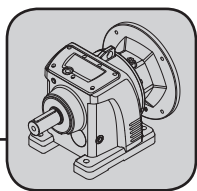


LWF 37



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	260	M8	53	11	12.8	4
IEC 71	110	10	130	4	160	260	M8	56	14	16.3	5
IEC 80	130	12	165	5	200	278	M10	71	19	21.8	6
IEC 90	130	12	165	5	200	278	M10	71	24	27.3	8

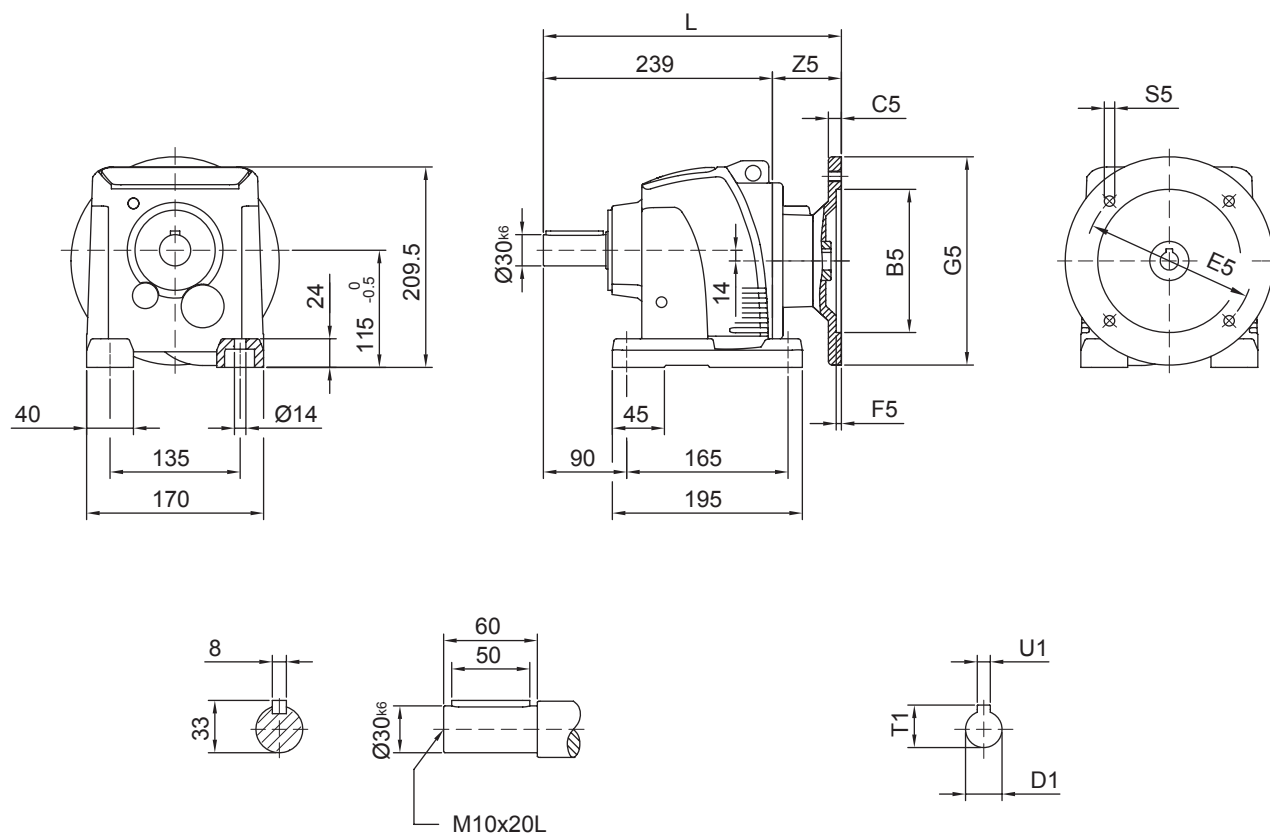
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

LHF 47



For the dimensions concerning the solid input shaft, please refer to the table shown at page 244.

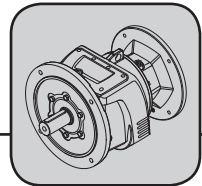
For the dimensions concerning the motor input shaft, please refer to the table shown at page 247.

入力為實心軸之尺寸表・請參閱第 244 頁。

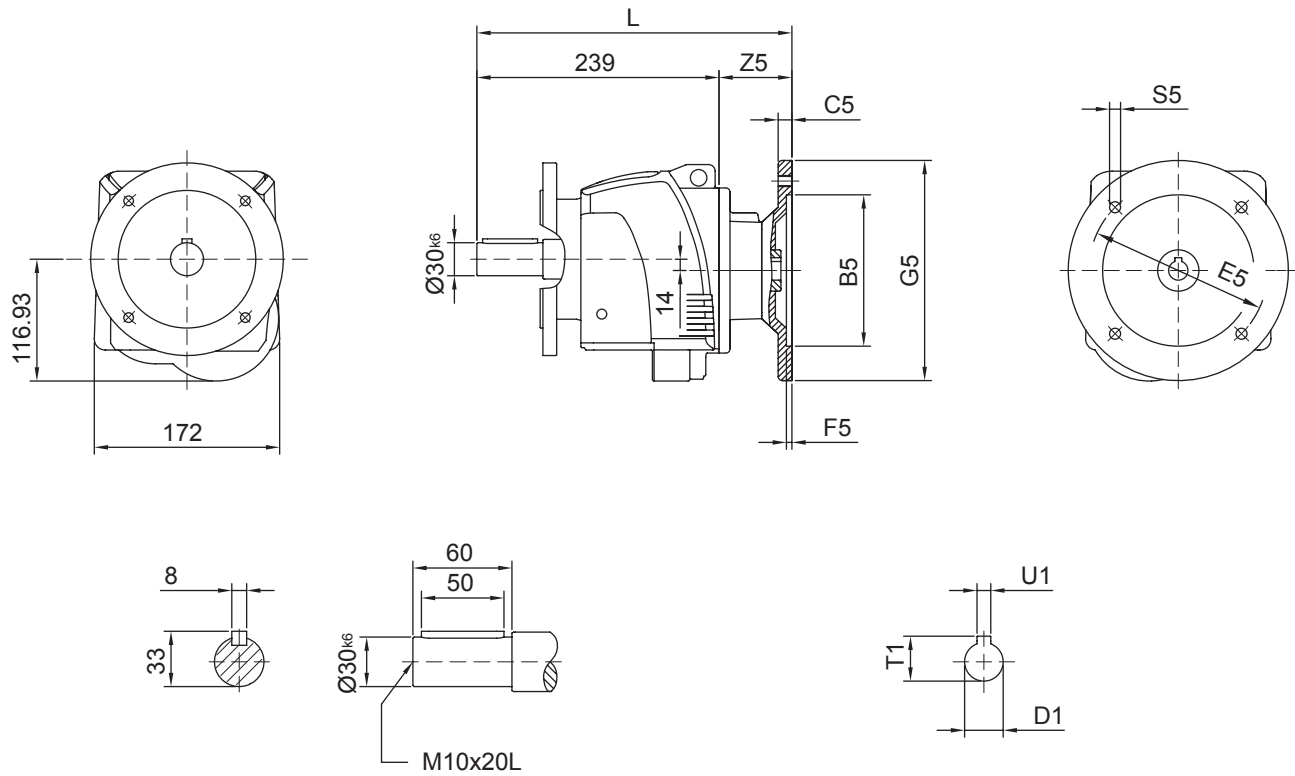
入力為馬達直結型之尺寸表・請參閱第 247 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	287.5	M8	48.5	11	12.8	4
IEC 71	110	10	130	4	160	287.5	M8	48.5	14	16.3	5
IEC 80	130	12	165	5	200	305.5	M10	66.5	19	21.8	6
IEC 90	130	12	165	5	200	305.5	M10	66.5	24	27.3	8
IEC 100	180	15	215	5	250	322	M12	83	28	31.3	8

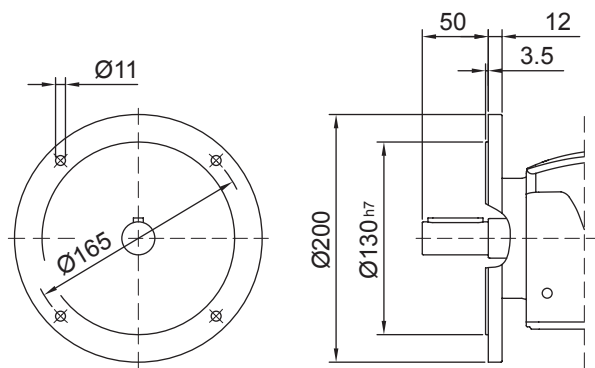
* 台灣東元馬達建議請參閱第 251 頁。



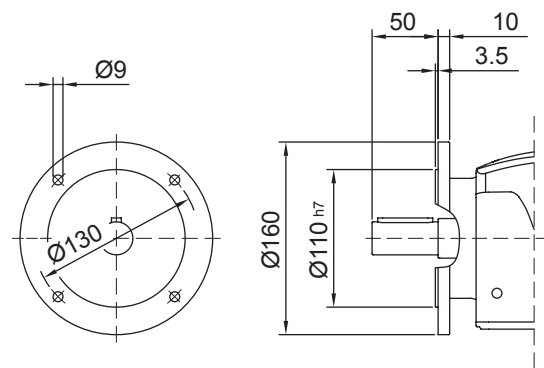
L..F 47



LVF 47

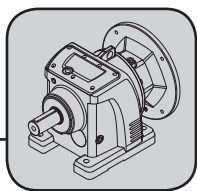


LWF 47



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	287.5	M8	48.5	11	12.8	4
IEC 71	110	10	130	4	160	287.5	M8	48.5	14	16.3	5
IEC 80	130	12	165	5	200	305.5	M10	66.5	19	21.8	6
IEC 90	130	12	165	5	200	305.5	M10	66.5	24	27.3	8
IEC 100	180	15	215	5	250	322	M12	83	28	31.3	8

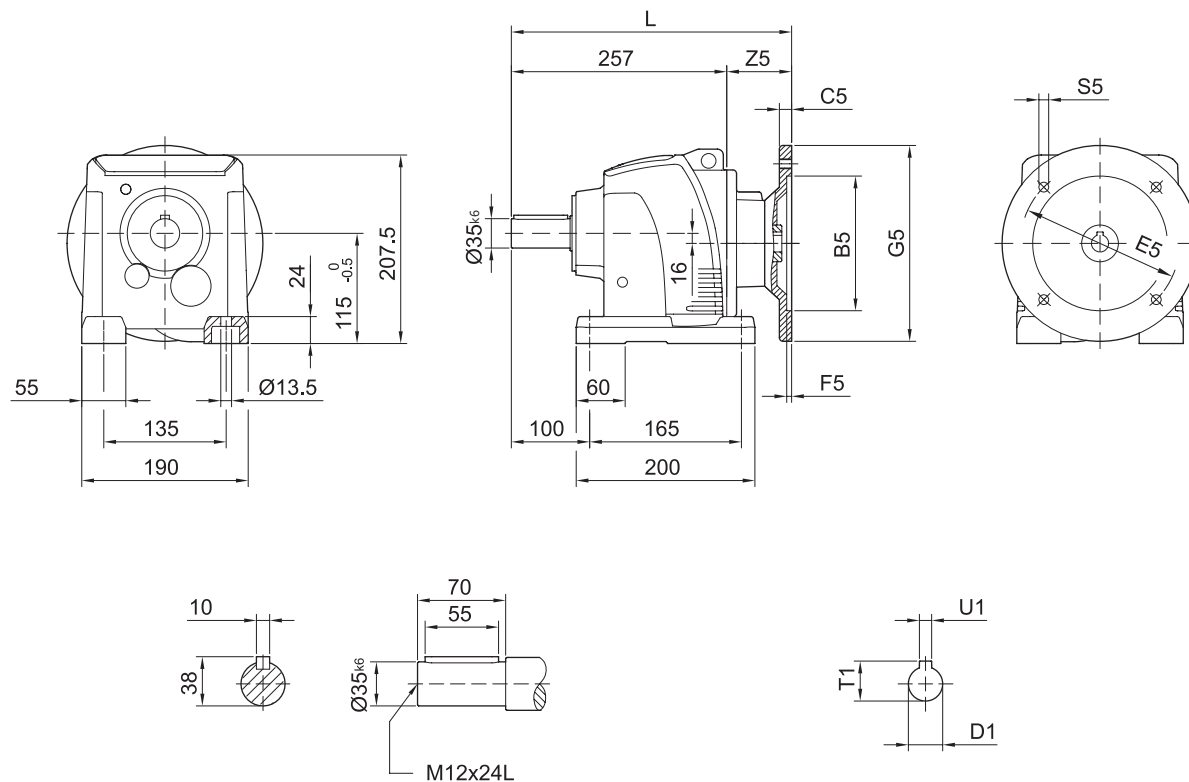
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

LHF 57



For the dimensions concerning the solid input shaft, please refer to the table shown at page 244.

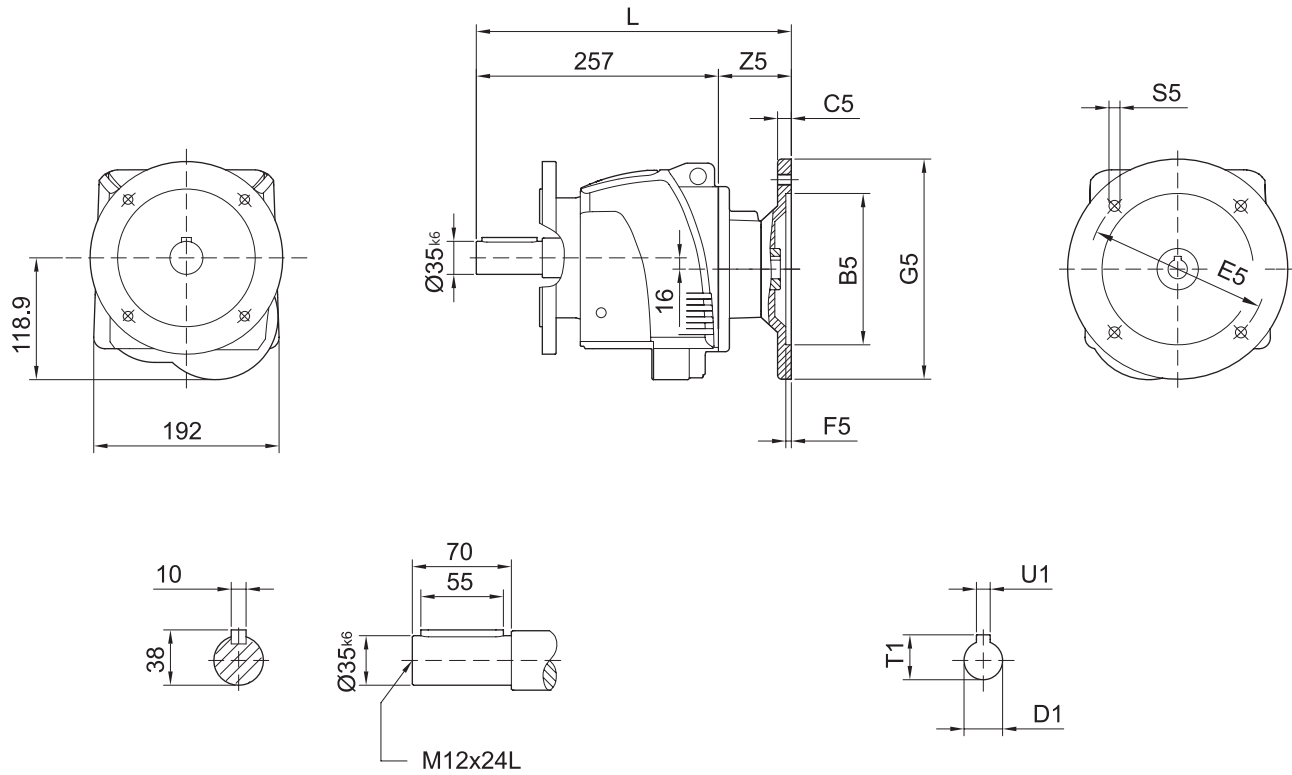
For the dimensions concerning the motor input shaft, please refer to the table shown at page 247.

入力為實心軸之尺寸表，請參閱第 244 頁。

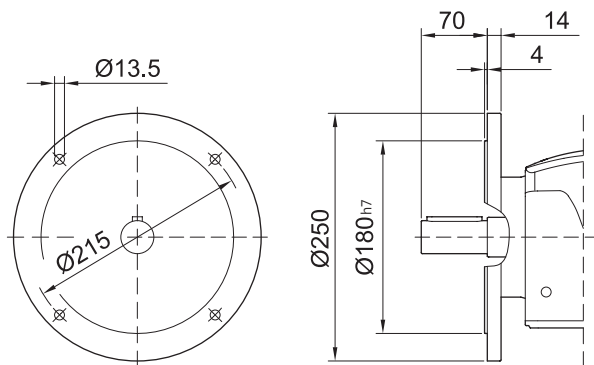
入力為馬達直結型之尺寸表，請參閱第 247 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	287.5	M8	48.5	11	12.8	4
IEC 71	110	10	130	4	160	287.5	M8	48.5	14	16.3	5
IEC 80	130	12	165	5	200	305.5	M10	66.5	19	21.8	6
IEC 90	130	12	165	5	200	305.5	M10	66.5	24	27.3	8
IEC 100	180	15	215	5	250	322	M12	83	28	31.3	8
IEC 112	180	15	215	5	250	322	M12	83	28	31.3	8

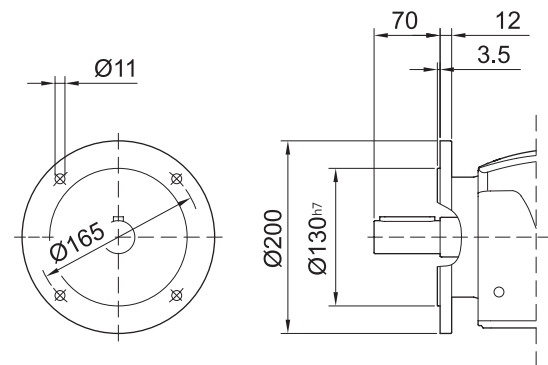
* 台灣東元馬達建議請參閱第 251 頁。



LVF 57

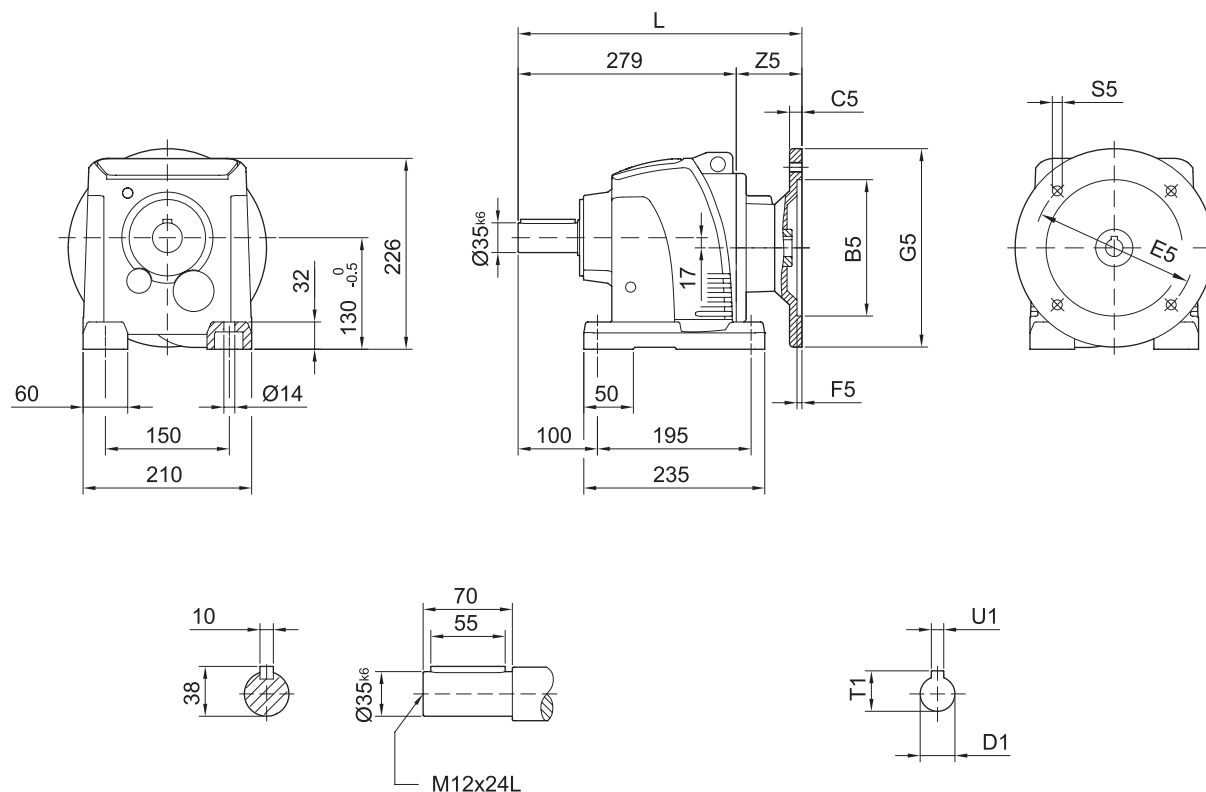


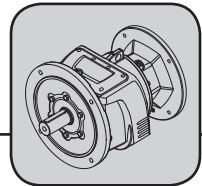
LWF 57



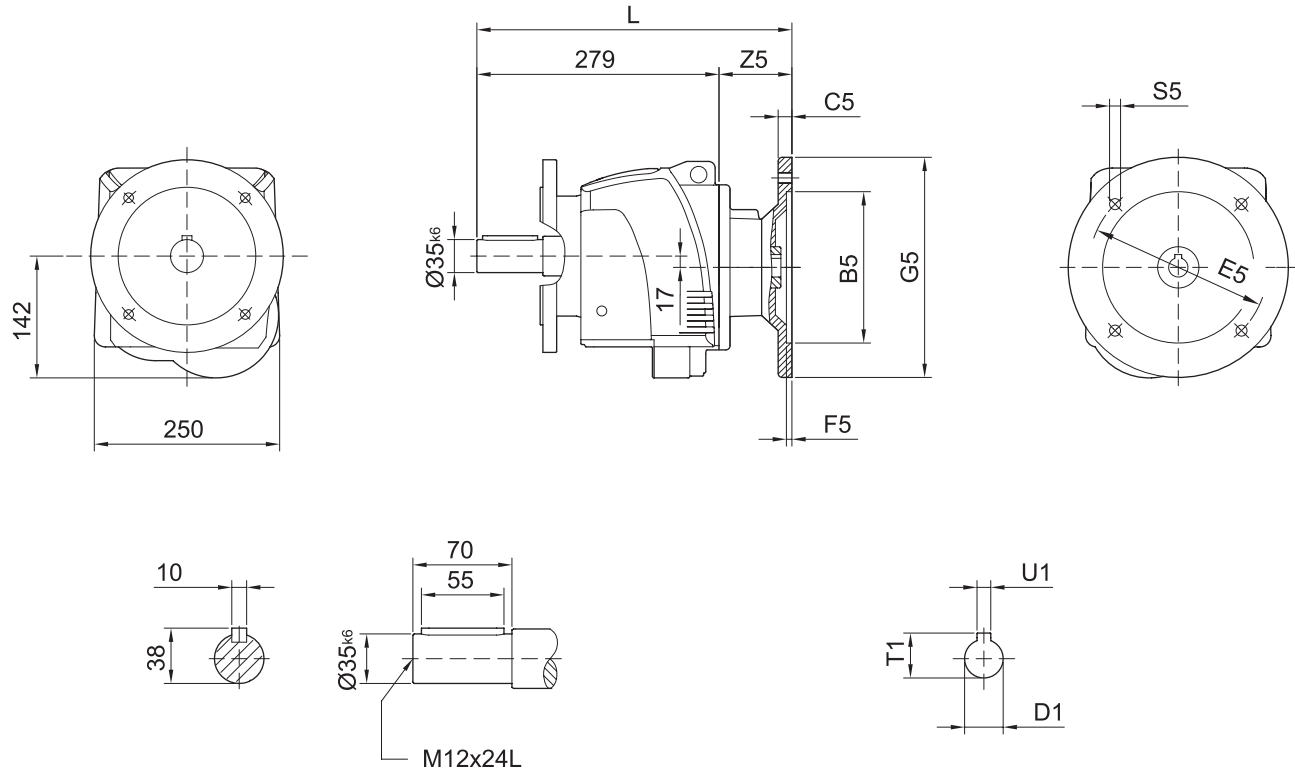
	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	287.5	M8	48.5	11	12.8	4
IEC 71	110	10	130	4	160	287.5	M8	48.5	14	16.3	5
IEC 80	130	12	165	5	200	305.5	M10	66.5	19	21.8	6
IEC 90	130	12	165	5	200	305.5	M10	66.5	24	27.3	8
IEC 100	180	15	215	5	250	322	M12	83	28	31.3	8
IEC 112	180	15	215	5	250	322	M12	83	28	31.3	8

* 台灣東元馬達建議請參閱第 251 頁。

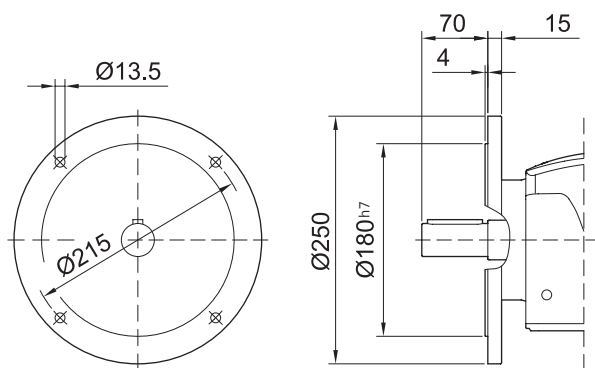




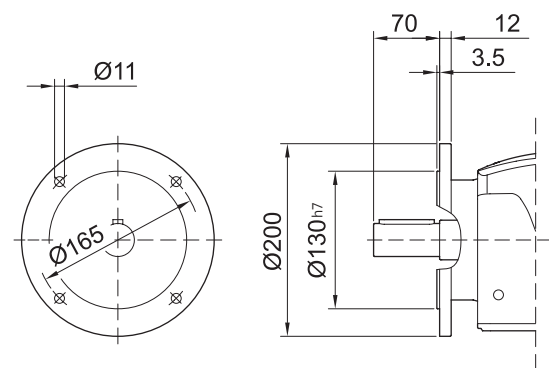
L..F 67



LVF 67

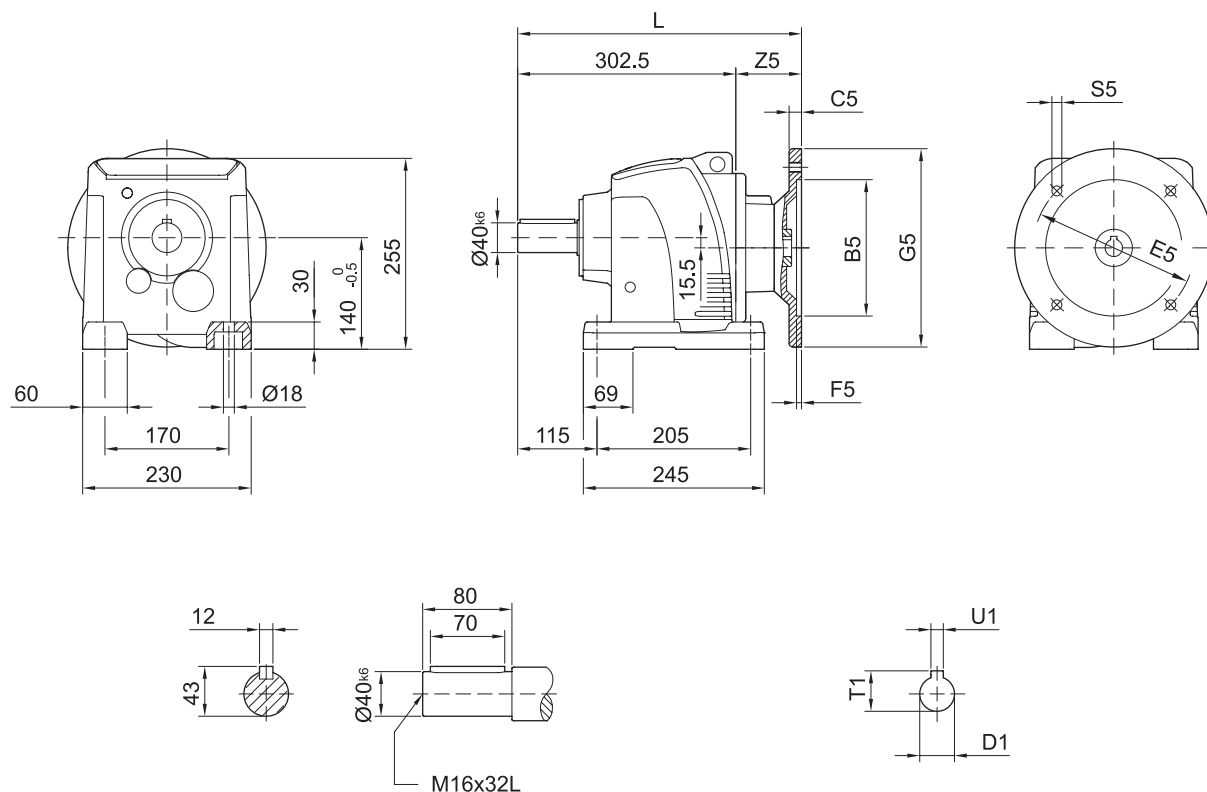


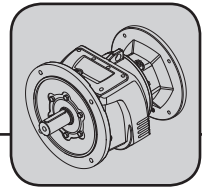
LWF 67



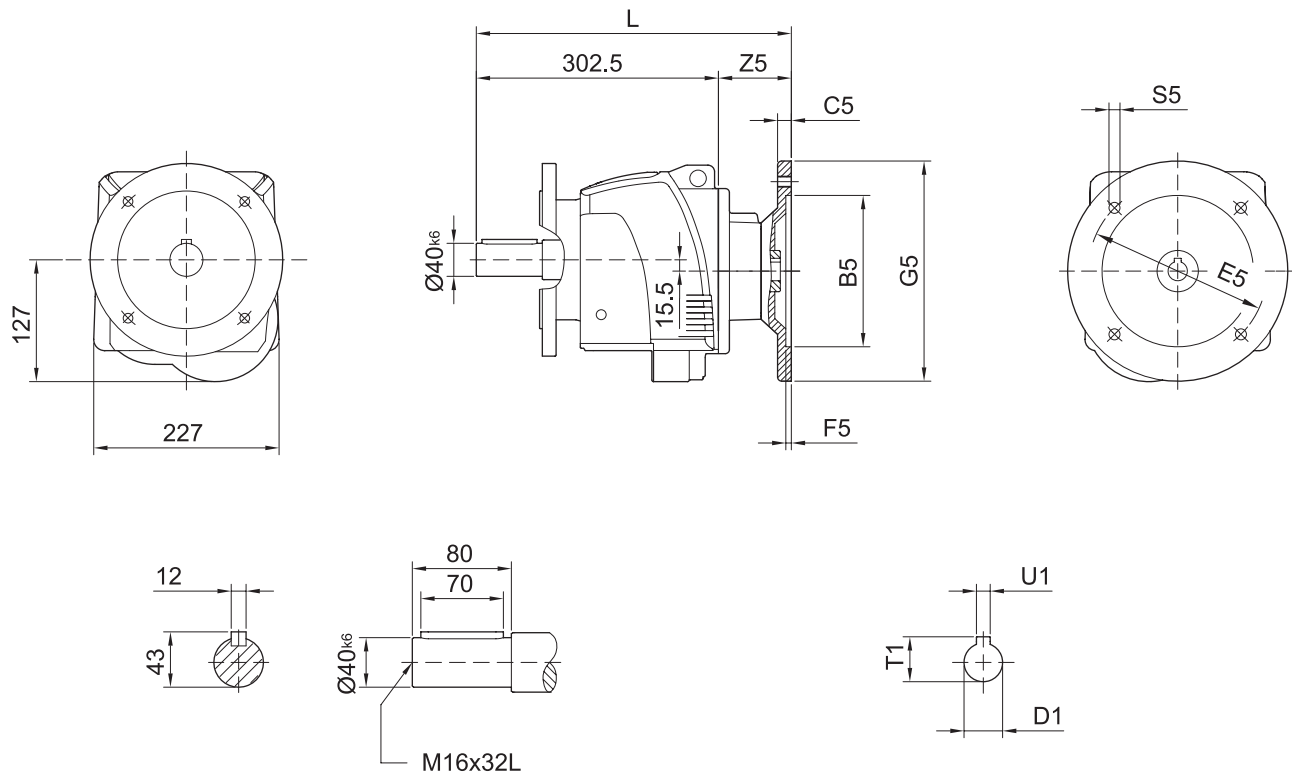
	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63*	95	10	115	4	140	325.5	M8	46.5	11	12.8	4
IEC 71	110	10	130	4	160	325.5	M8	46.5	14	16.3	5
IEC 80	130	12	165	5	200	343.5	M10	64.5	19	21.8	6
IEC 90	130	12	165	5	200	343.5	M10	64.5	24	27.3	8
IEC 100	180	15	215	5	250	360	M12	81	28	31.3	8
IEC 112	180	15	215	5	250	360	M12	81	28	31.3	8

* 台灣東元馬達建議請參閱第 251 頁。

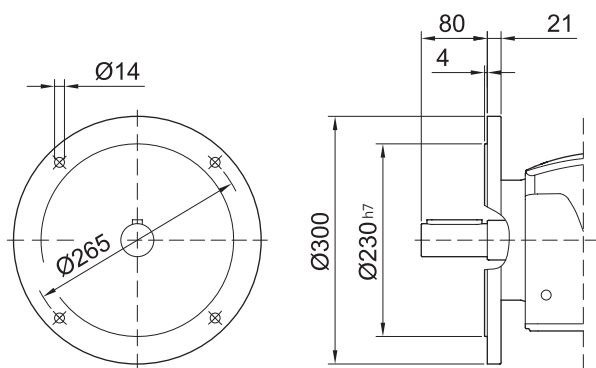




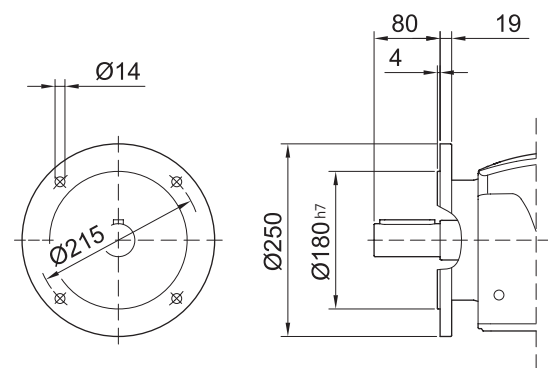
L..F 77



LVF 77

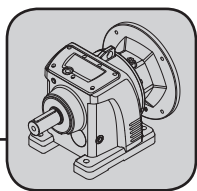


LWF 77



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 71	110	10	130	4	160	353.5	M8	51	14	16.3	5
IEC 80	130	12	165	5	200	361.5	M10	59	19	21.8	6
IEC 90	130	12	165	5	200	361.5	M10	59	24	27.3	8
IEC 100	180	15	215	5	250	378	M12	75.5	28	31.3	8
IEC 112	180	15	215	5	250	378	M12	75.5	28	31.3	8
IEC 132	230	16	265	6	300	425	M12	124	38	41.3	10

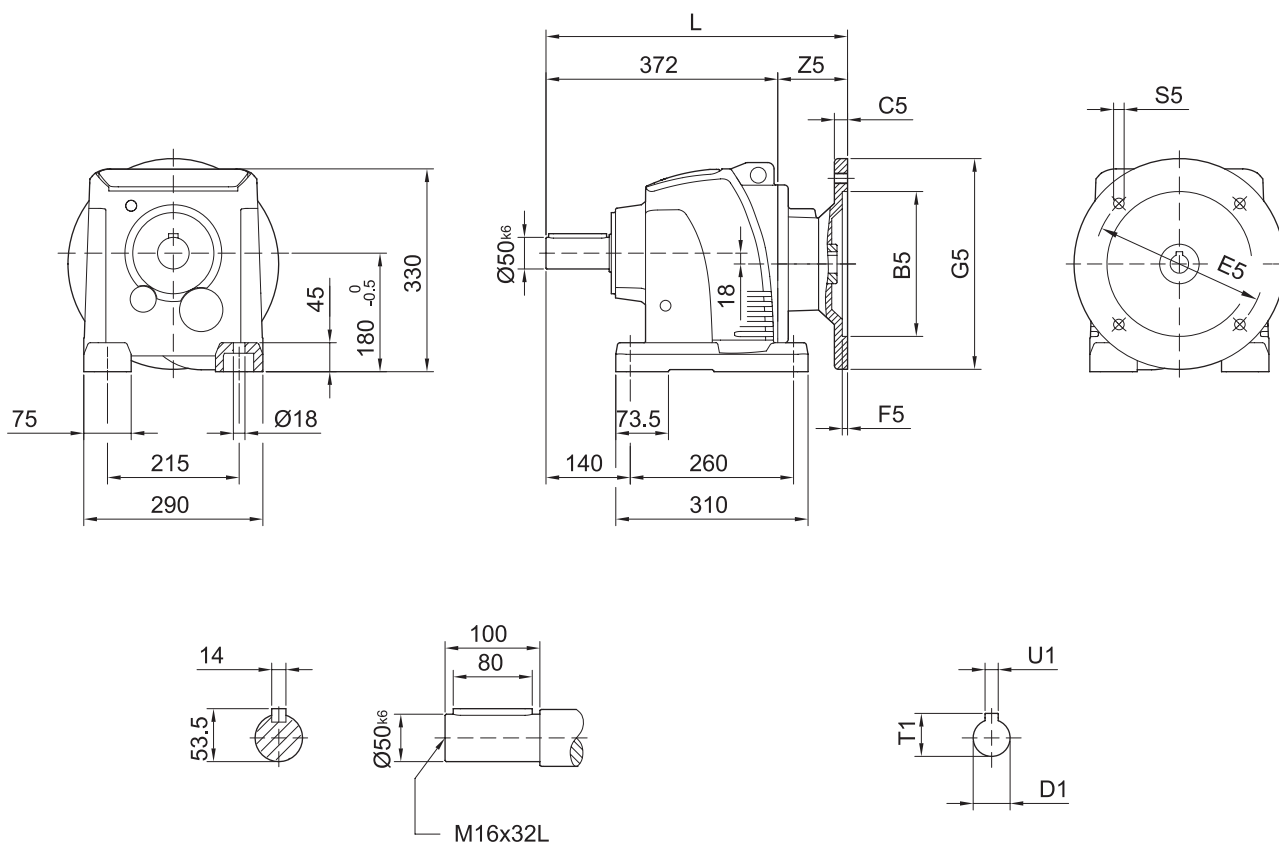
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

LHF 87



3

For the dimensions concerning the solid input shaft, please refer to the table shown at page 244.

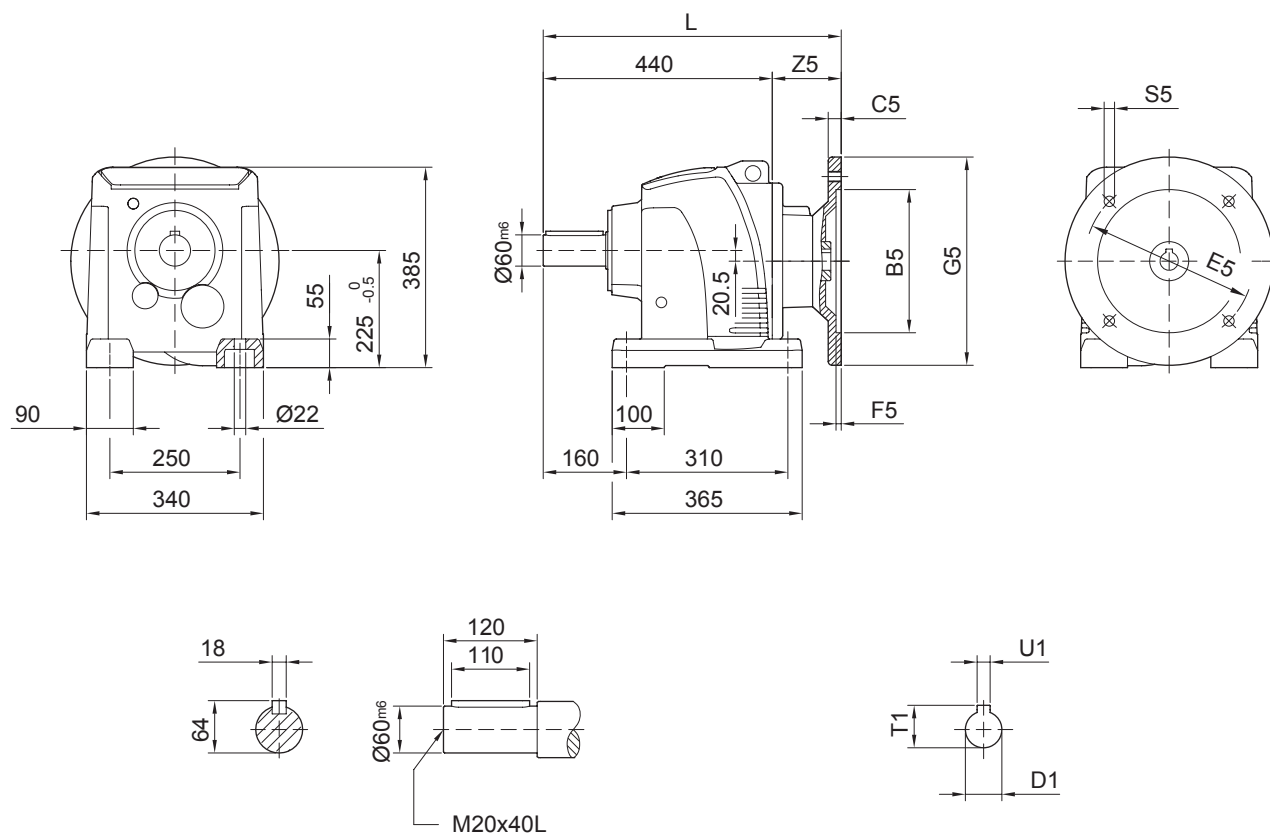
For the dimensions concerning the motor input shaft, please refer to the table shown at page 247.

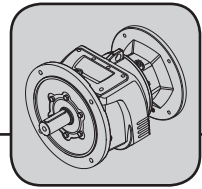
入力為實心軸之尺寸表，請參閱第 244 頁。

入力為馬達直結型之尺寸表，請參閱第 247 頁。

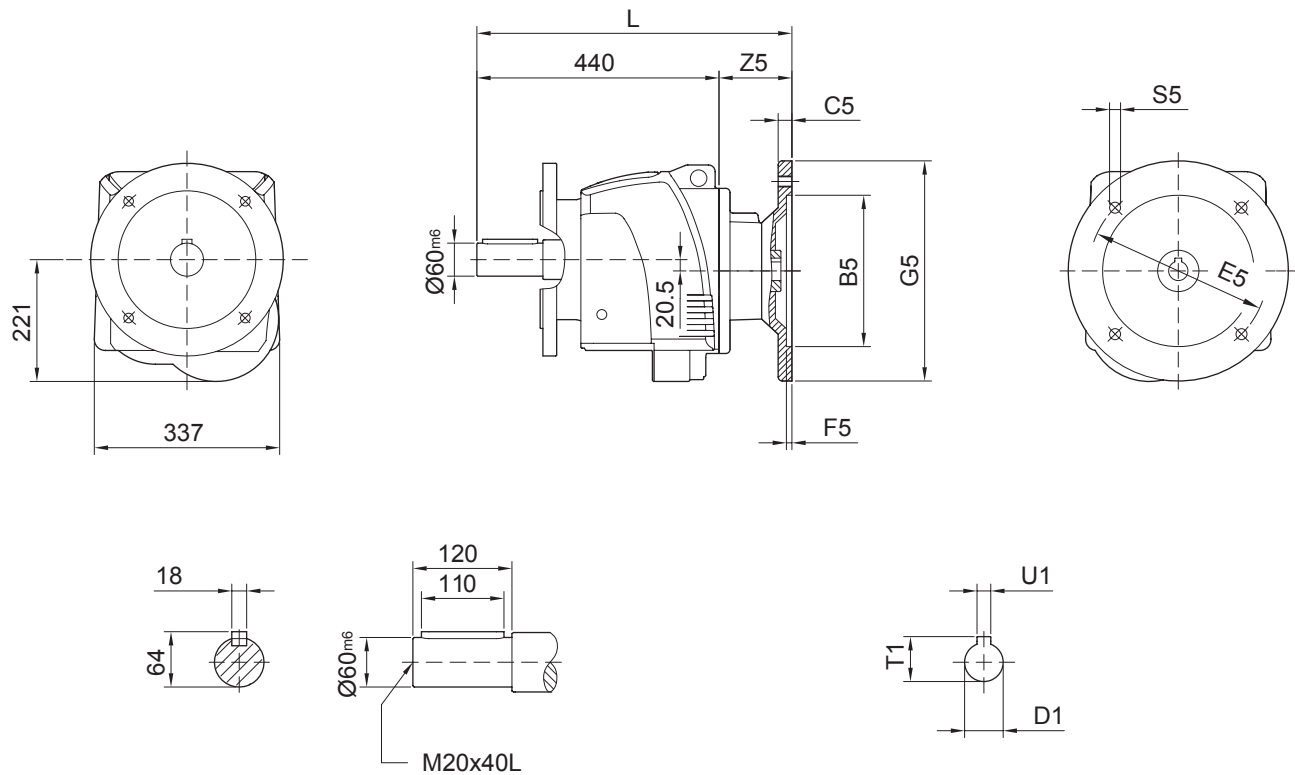
	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 80	130	12	165	5	200	437	M10	65	19	21.8	6
IEC 90	130	12	165	5	200	437	M10	65	24	27.3	8
IEC 100	180	15	215	5	250	438	M12	66	28	31.3	8
IEC 112	180	15	215	5	250	438	M12	66	28	31.3	8
IEC 132	230	16	265	6	300	486.5	M12	114.5	38	41.3	10
IEC 160	250	20	300	6	350	522.5	M16	150.5	42	45.3	12

* 台灣東元馬達建議請參閱第 251 頁。

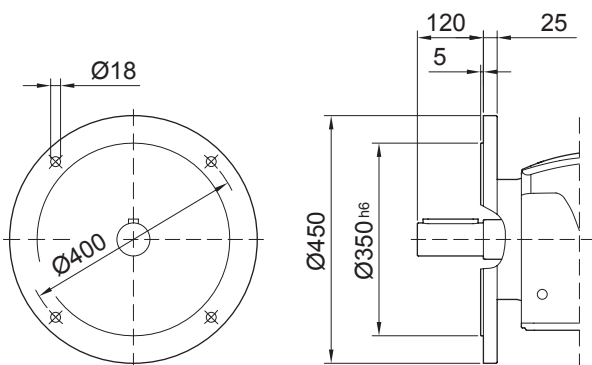




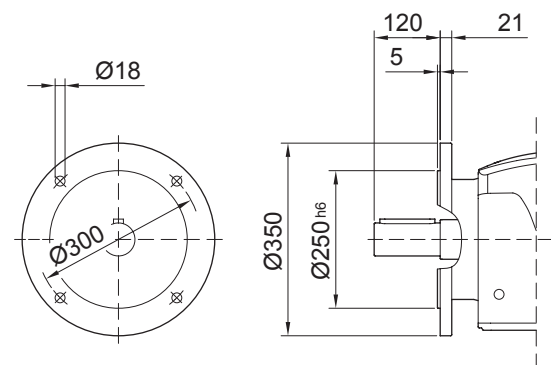
L..F 97



LVF 97

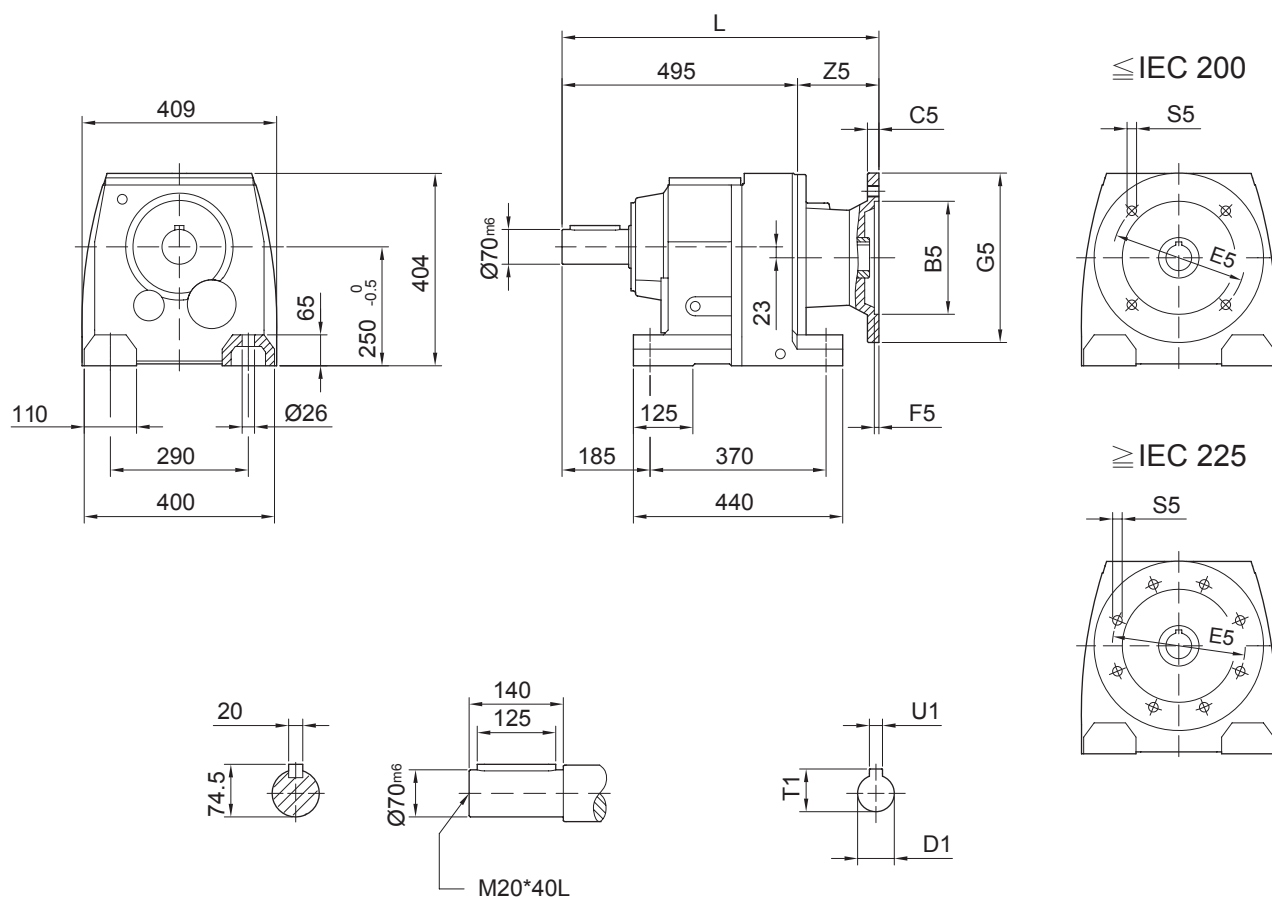


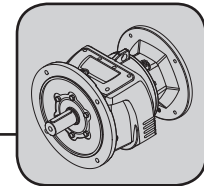
LWF 97



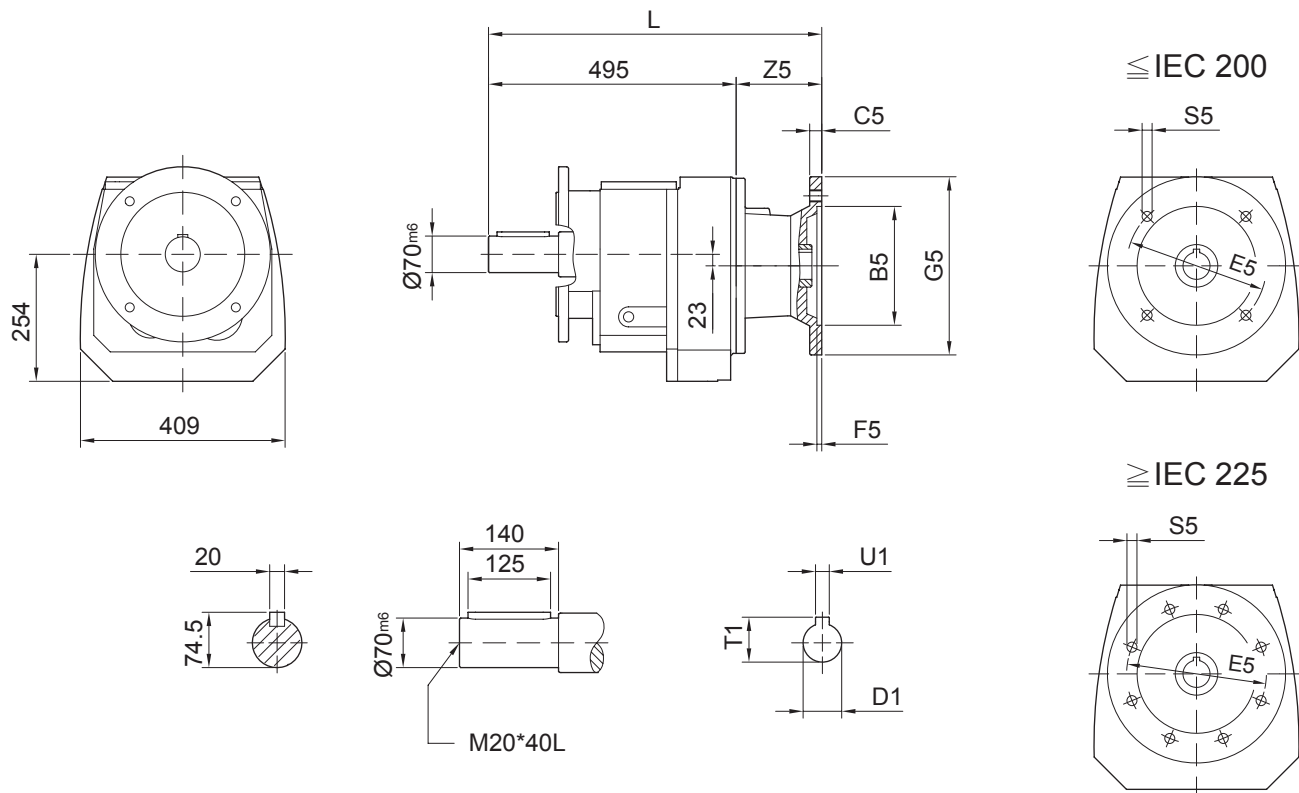
	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 180	180	15	215	5	250	502	M12	62	28	31.3	8
IEC 112	180	15	215	5	250	502	M12	62	28	31.3	8
IEC 132	230	16	265	6	300	546.5	M12	106.5	38	41.3	10
IEC 160	250	20	300	6	350	582.5	M16	142.5	42	45.3	12
IEC 180*	250	20	300	6	350	591.5	M16	151.5	48	51.8	14

* 台灣東元馬達建議請參閱第 251 頁。

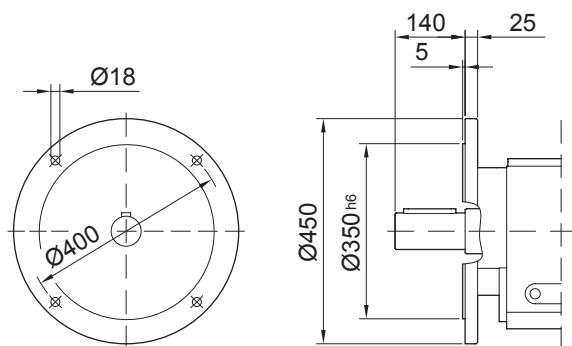




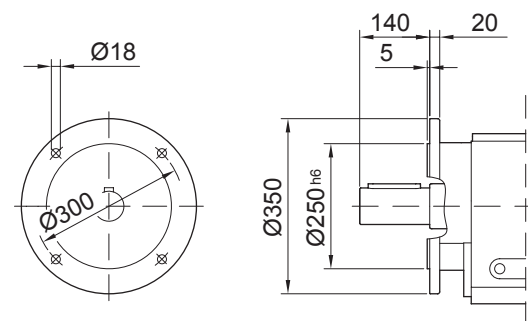
M..F 107



MVF 107

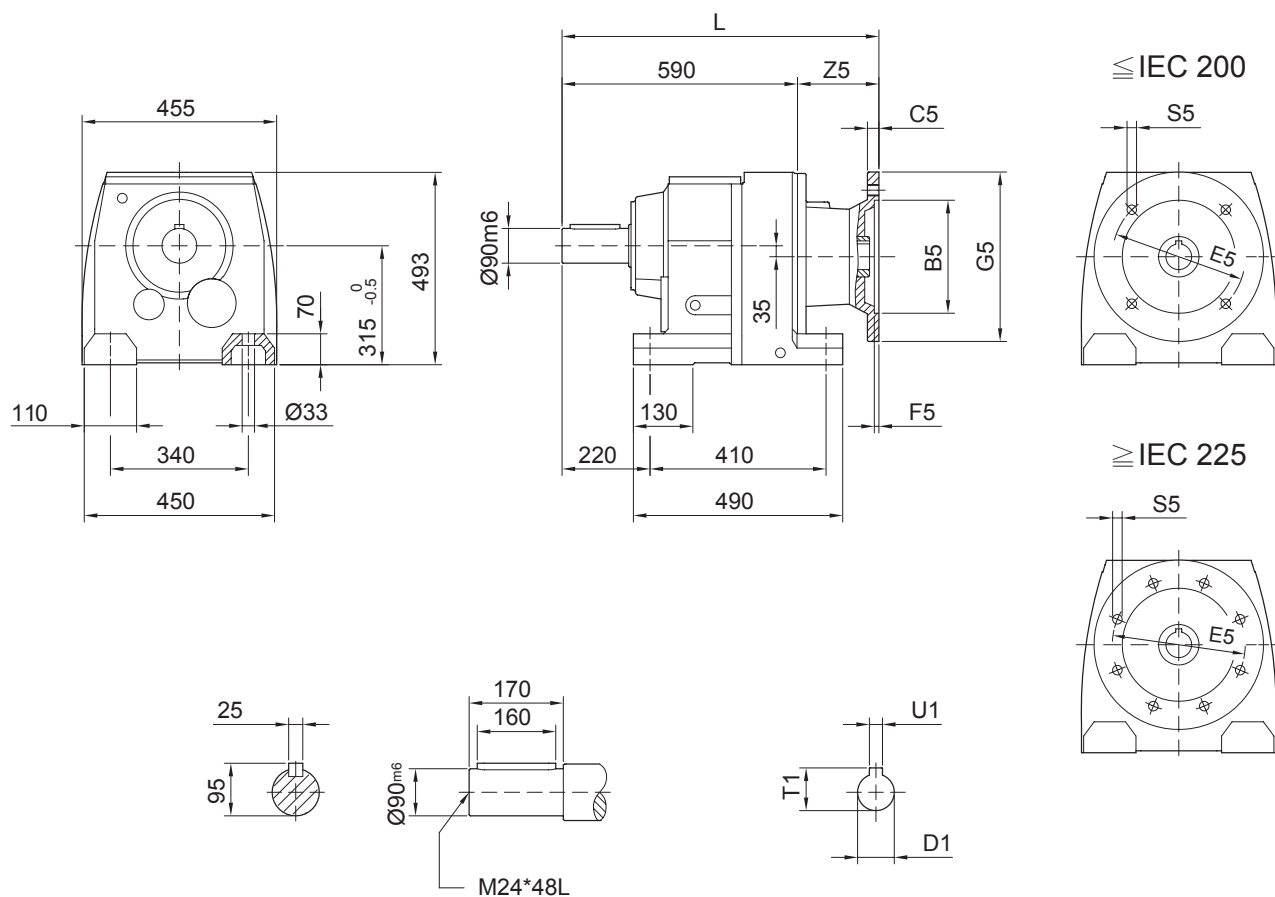


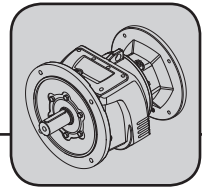
MWF 107



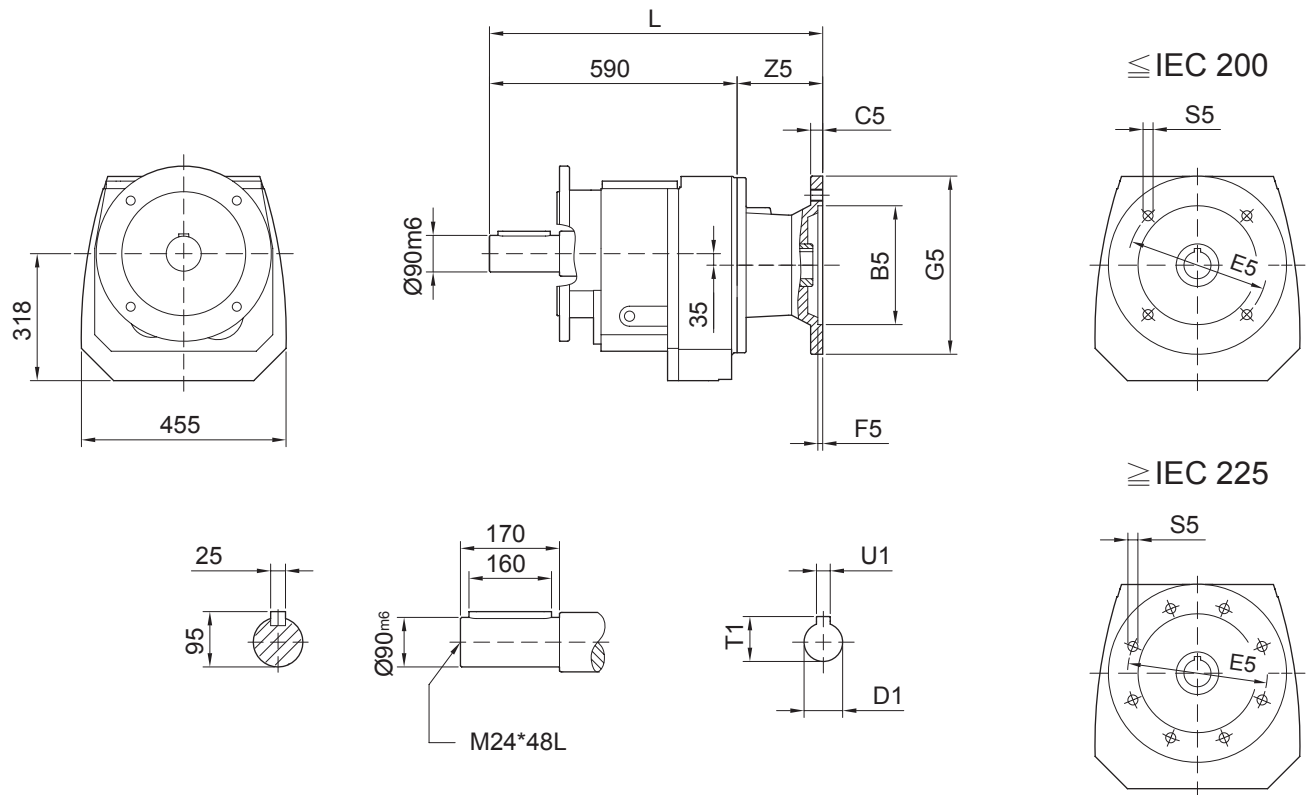
	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 132	230	16	265	6	300	592	M12	97	38	41.3	10
IEC 160	250	20	300	6	350	628	M16	133	42	45.3	12
IEC 180*	250	20	300	6	350	637	M16	142	48	51.8	14
IEC 200*	300	20	350	6	400	637	M16	142	55	59.3	16
IEC 225*	350	20	400	6	450	668	M16	173	60	64.4	18

* 台灣東元馬達建議請參閱第 251 頁。

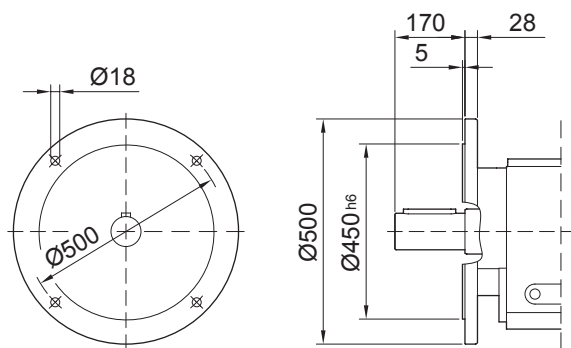




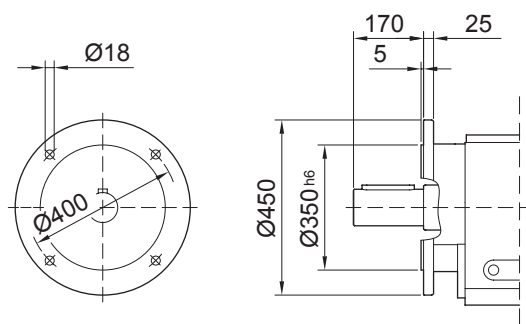
M..F 137



MVF 137

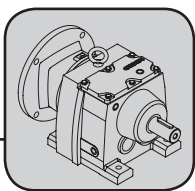


MWF 137



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 160	250	20	300	6	350	713	M16	123	42	45.3	12
IEC 180*	250	20	300	6	350	721	M16	131	48	51.8	14
IEC 200*	300	20	350	6	400	721	M16	131	55	59.3	16
IEC 225*	350	20	400	6	450	752	M16	162	60	64.4	18
IEC 250*	450	22	500	6	550	769	M16	179	65	69.4	18

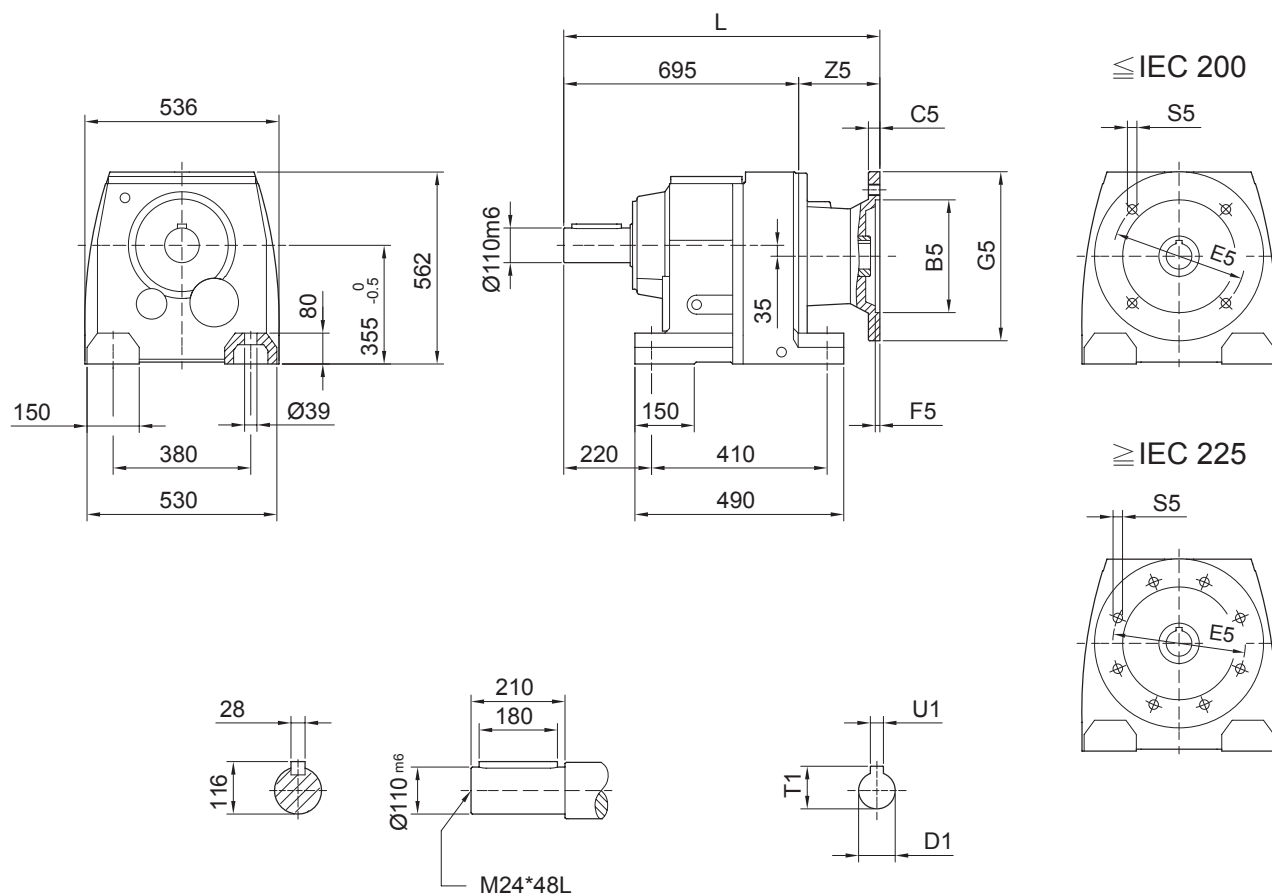
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

MHF 147



3

For the dimensions concerning the solid input shaft, please refer to the table shown at page 245.

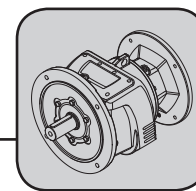
For the dimensions concerning the motor input shaft, please refer to the table shown at page 248.

入力為實心軸之尺寸表・請參閱第 245 頁。

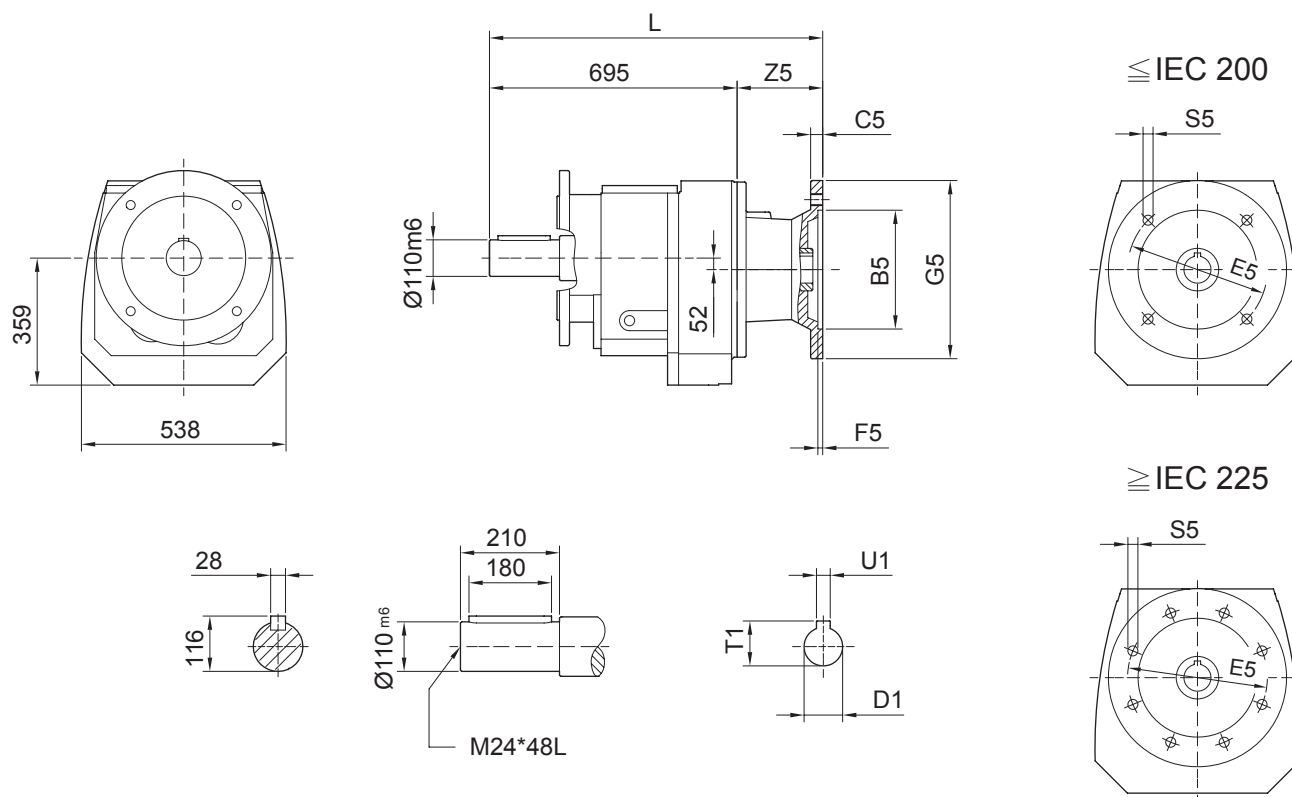
入力為馬達直結型之尺寸表・請參閱第 248 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 160	250	20	300	6	350	812	M16	115	42	45.3	12
IEC 180*	250	20	300	6	350	820	M16	123	48	51.8	14
IEC 200*	300	20	350	6	400	818	M16	123	55	59.3	16
IEC 225*	350	20	400	6	450	855	M16	158	60	64.4	18
IEC 250*	450	22	500	6	550	872	M16	175	65	69.4	18
IEC 280*	450	22	500	6	550	872	M16	175	75	79.9	20

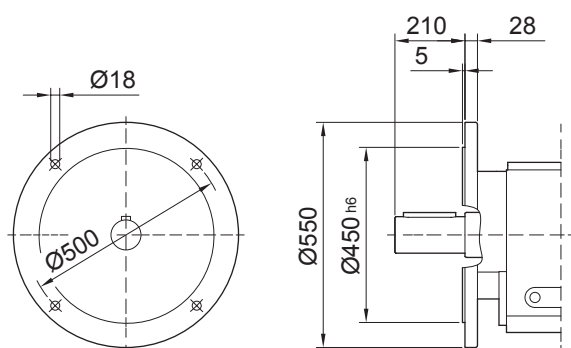
* 台灣東元馬達建議請參閱第 251 頁。



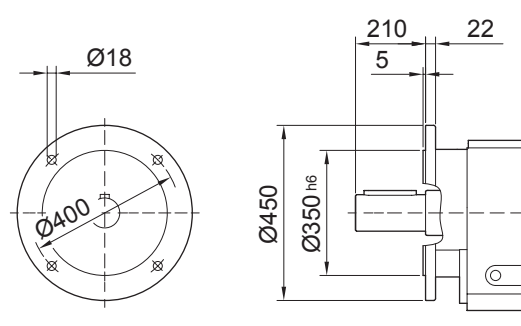
M..F 147



MVF 147

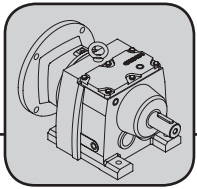


MWF 147



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 160	250	20	300	6	350	812	M16	115	42	45.3	12
IEC 180*	250	20	300	6	350	820	M16	123	48	51.8	14
IEC 200*	300	20	350	6	400	818	M16	123	55	59.3	16
IEC 225*	350	20	400	6	450	855	M16	158	60	64.4	18
IEC 250*	450	22	500	6	550	872	M16	175	65	69.4	18
IEC 280*	450	22	500	6	550	872	M16	175	75	79.9	20

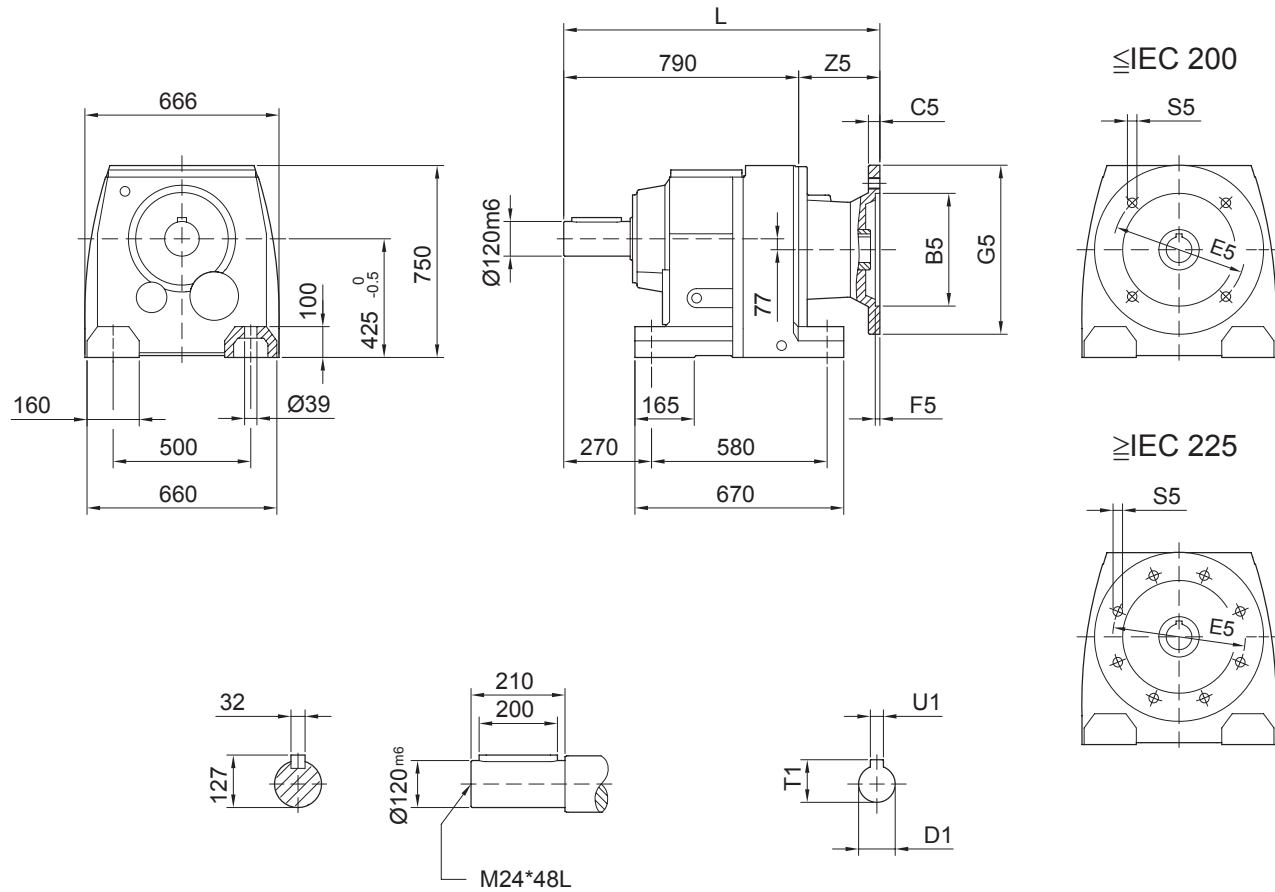
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

MHF 167



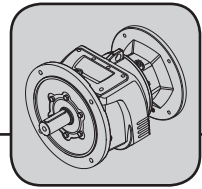
3

For the dimensions concerning the solid input shaft, please refer to the table shown at page 245.
For the dimensions concerning the motor input shaft, please refer to the table shown at page 248.

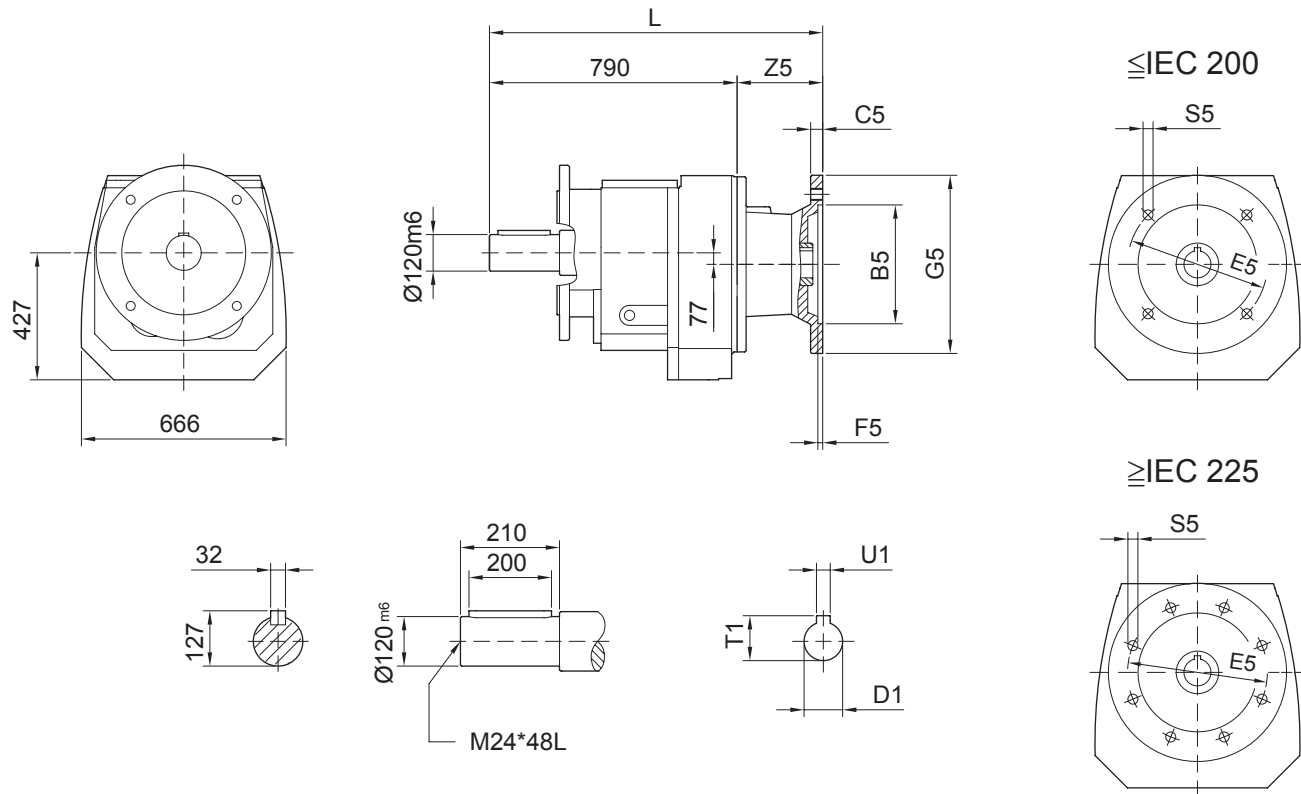
入力為實心軸之尺寸表，請參閱第 245 頁。
入力為馬達直結型之尺寸表，請參閱第 248 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 160	250	20	300	6	350	904	M16	114	42	45.3	12
IEC 180*	250	20	300	6	350	913	M16	123	48	51.8	14
IEC 200*	300	20	350	6	400	913	M16	123	55	59.4	16
IEC 225*	350	20	400	6	450	939	M16	149	60	64.4	18
IEC 250*	450	22	500	6	550	956	M16	166	65	69.5	18
IEC 280*	450	22	500	6	550	996	M16	206	75	80.0	20
IEC 315*	550	22	600	6	660	1010	Ø24	220	85	90.4	22

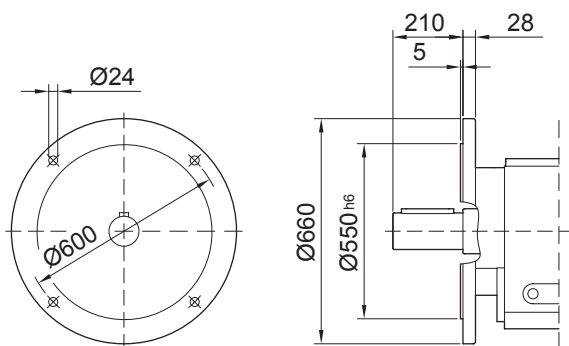
* 台灣東元馬達建議請參閱第 251 頁。



M..F 167



MVF 167



	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 160	250	20	300	6	350	904	M16	114	42	45.3	12
IEC 180*	250	20	300	6	350	913	M16	123	48	51.8	14
IEC 200*	300	20	350	6	400	913	M16	123	55	59.4	16
IEC 225*	350	20	400	6	450	939	M16	149	60	64.4	18
IEC 250*	450	22	500	6	550	956	M16	166	65	69.5	18
IEC 280*	450	22	500	6	550	996	M16	206	75	80.0	20
IEC 315*	550	22	600	6	660	1010	Ø24	220	85	90.4	22

* 台灣東元馬達建議請參閱第 251 頁。



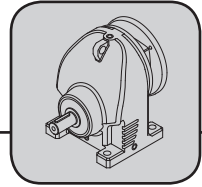
XHF 57



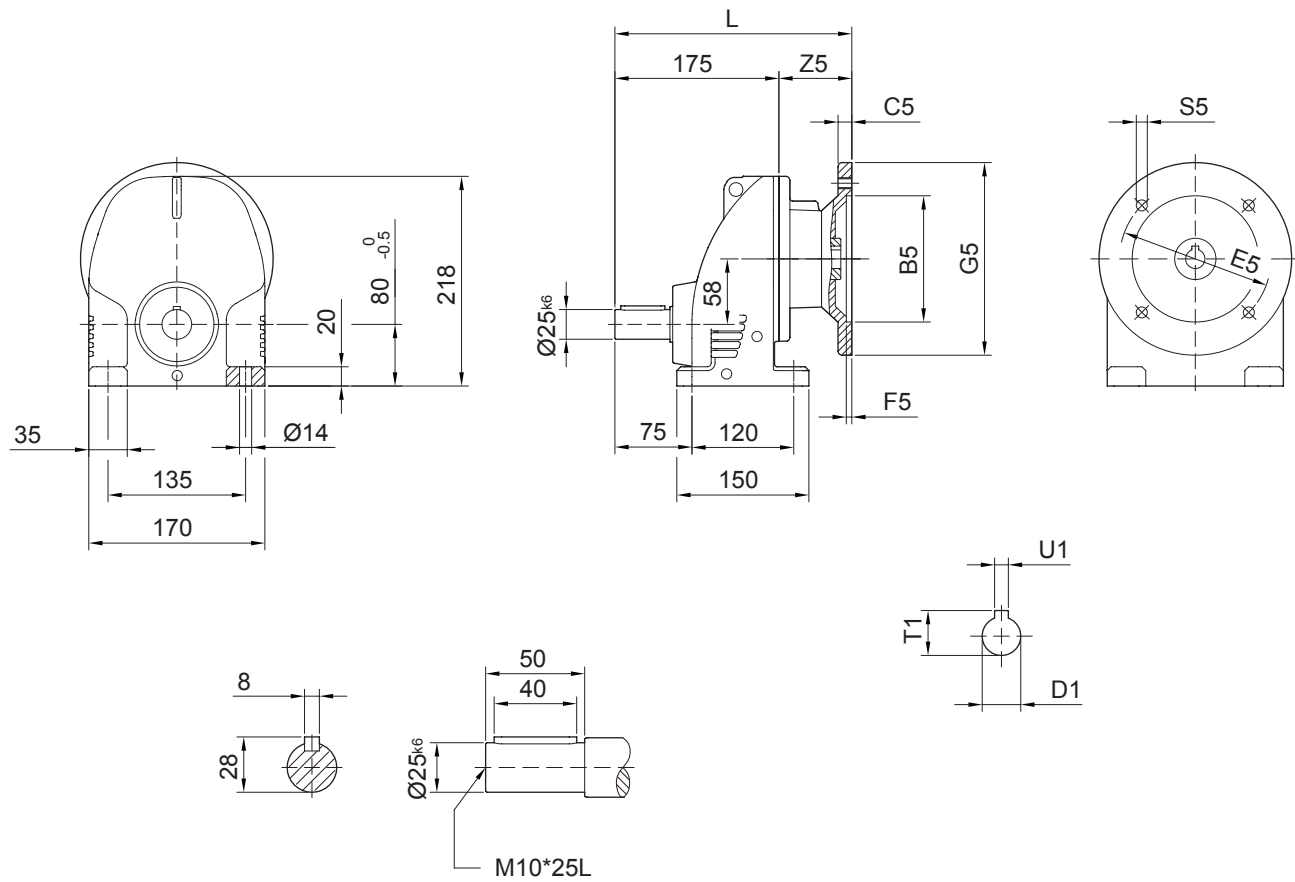
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為馬達直結型之尺寸表，請參閱第 249 頁。

* 台灣東元馬達建議請參閱第 251 頁。



XHF 67



For the dimensions concerning the solid input shaft, please refer to the table shown at page 246.

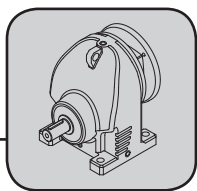
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為實心軸之尺寸表，請參閱第 246 頁。

入力為馬達直結型之尺寸表，請參閱第 249 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 63 *	95	10	115	4	140	221.5	M8	46.5	11	12.8	4
IEC 71	110	10	130	4	160	221.5	M8	46.5	14	16.3	5
IEC 80	130	12	165	5	200	239.5	M10	64.5	19	21.8	6
IEC 90	130	12	165	5	200	239.5	M10	64.5	24	27.3	8
IEC 100	180	15	215	5	250	256	M12	81	28	31.3	8
IEC 112	180	15	215	5	250	256	M12	81	28	31.3	8

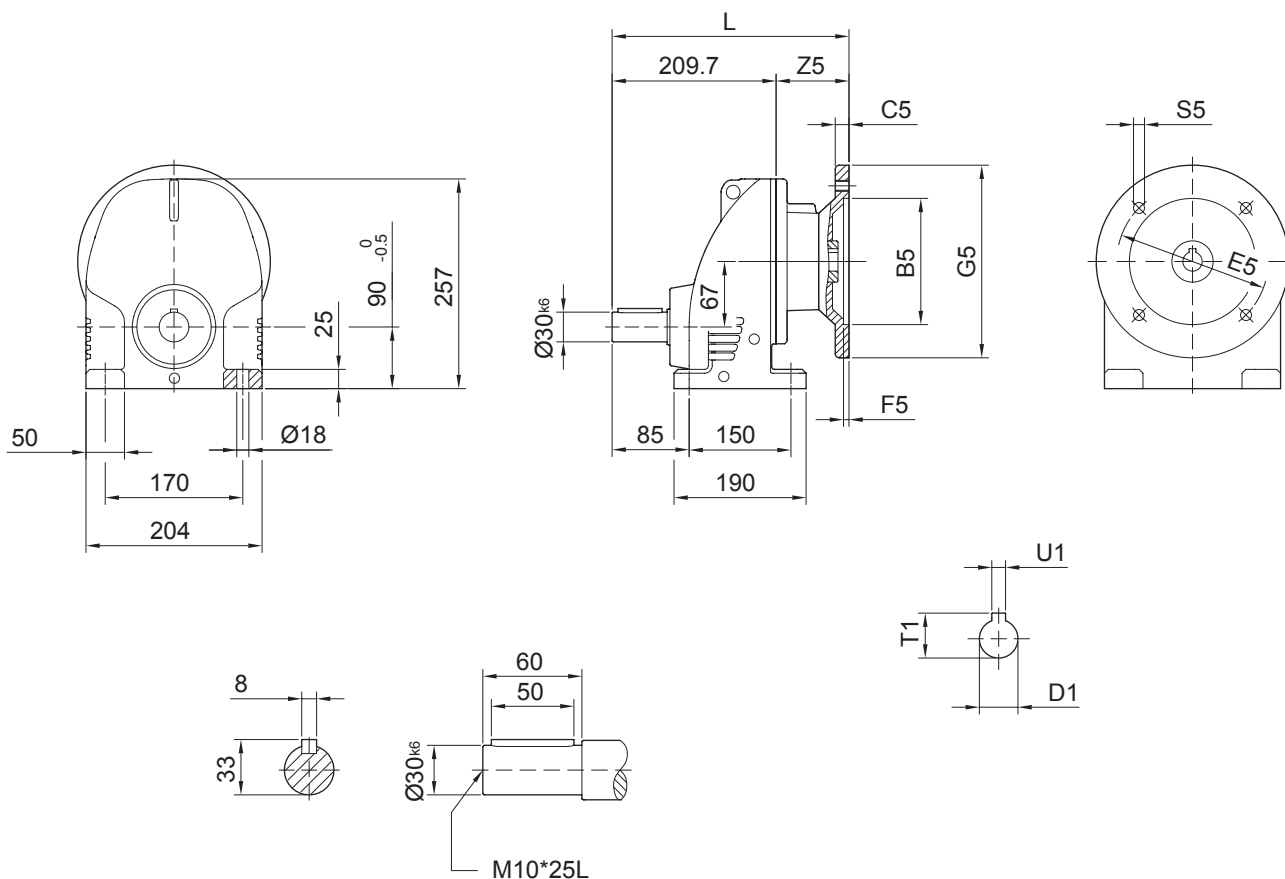
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

XHF 77



For the dimensions concerning the solid input shaft, please refer to the table shown at page 246.

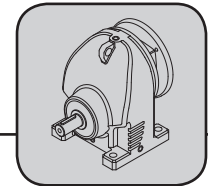
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為實心軸之尺寸表・請參閱第 246 頁。

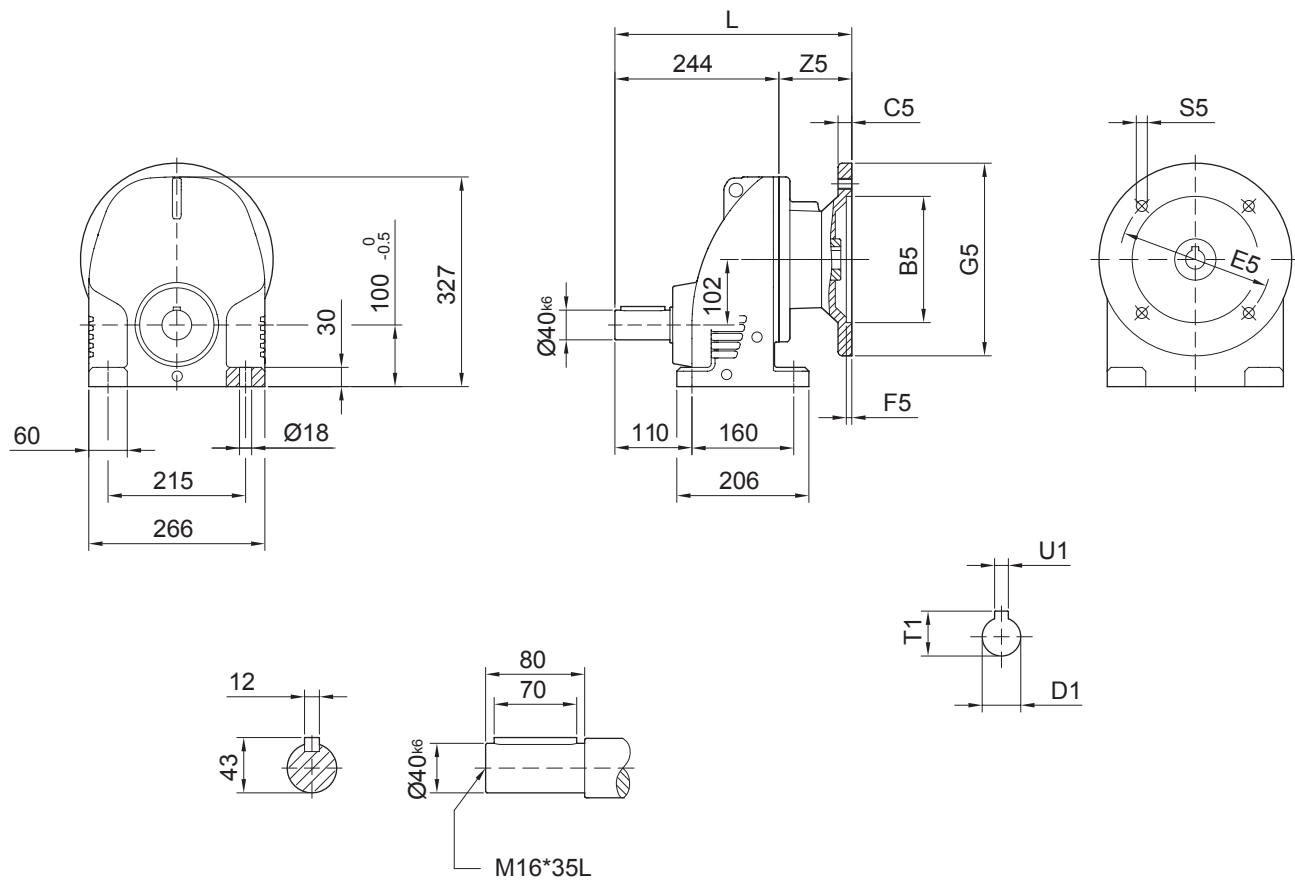
入力為馬達直結型之尺寸表・請參閱第 249 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 80	130	12	165	5	200	268.7	M10	59	19	21.8	6
IEC 90	130	12	165	5	200	268.7	M10	59	24	27.3	8
IEC 100	180	15	215	5	250	285.2	M12	75.5	28	31.3	8
IEC 112	180	15	215	5	250	285.2	M12	75.5	28	31.3	8
IEC 132	230	16	265	6	300	333.7	M12	124	38	41.3	10

* 台灣東元馬達建議請參閱第 251 頁。



XHF 87



For the dimensions concerning the solid input shaft, please refer to the table shown at page 246.

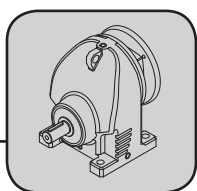
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為實心軸之尺寸表・請參閱第 246 頁。

入力為馬達直結型之尺寸表・請參閱第 249 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 100	180	15	215	5	250	310	M12	66	28	31.3	8
IEC 112	180	15	215	5	250	310	M12	66	28	31.3	8
IEC 132	230	16	265	6	300	358.5	M12	114.5	38	41.3	10
IEC 160	250	20	300	6	350	394.5	M16	150.5	42	45.3	12

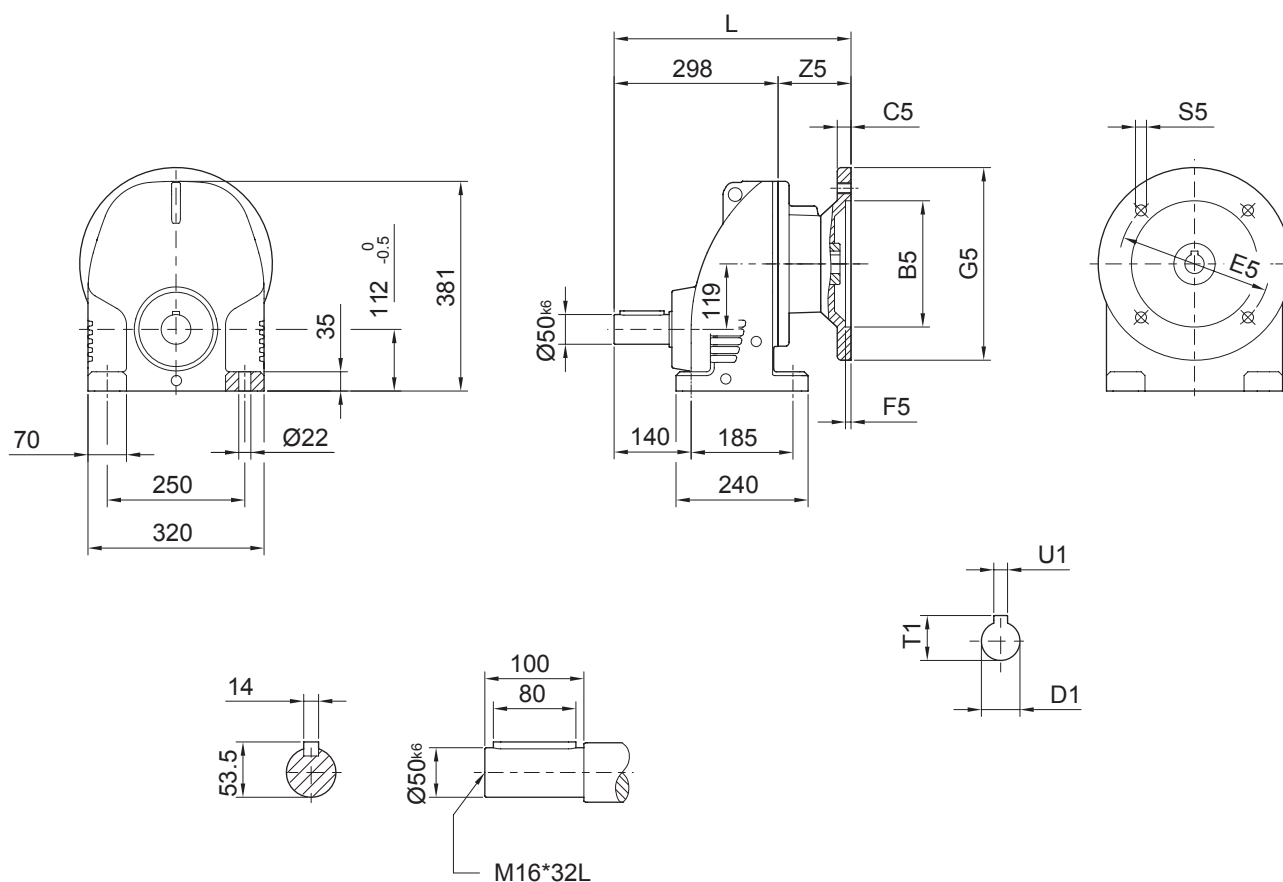
* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

XHF 97



For the dimensions concerning the solid input shaft, please refer to the table shown at page 246.

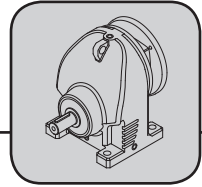
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為實心軸之尺寸表・請參閱第 246 頁。

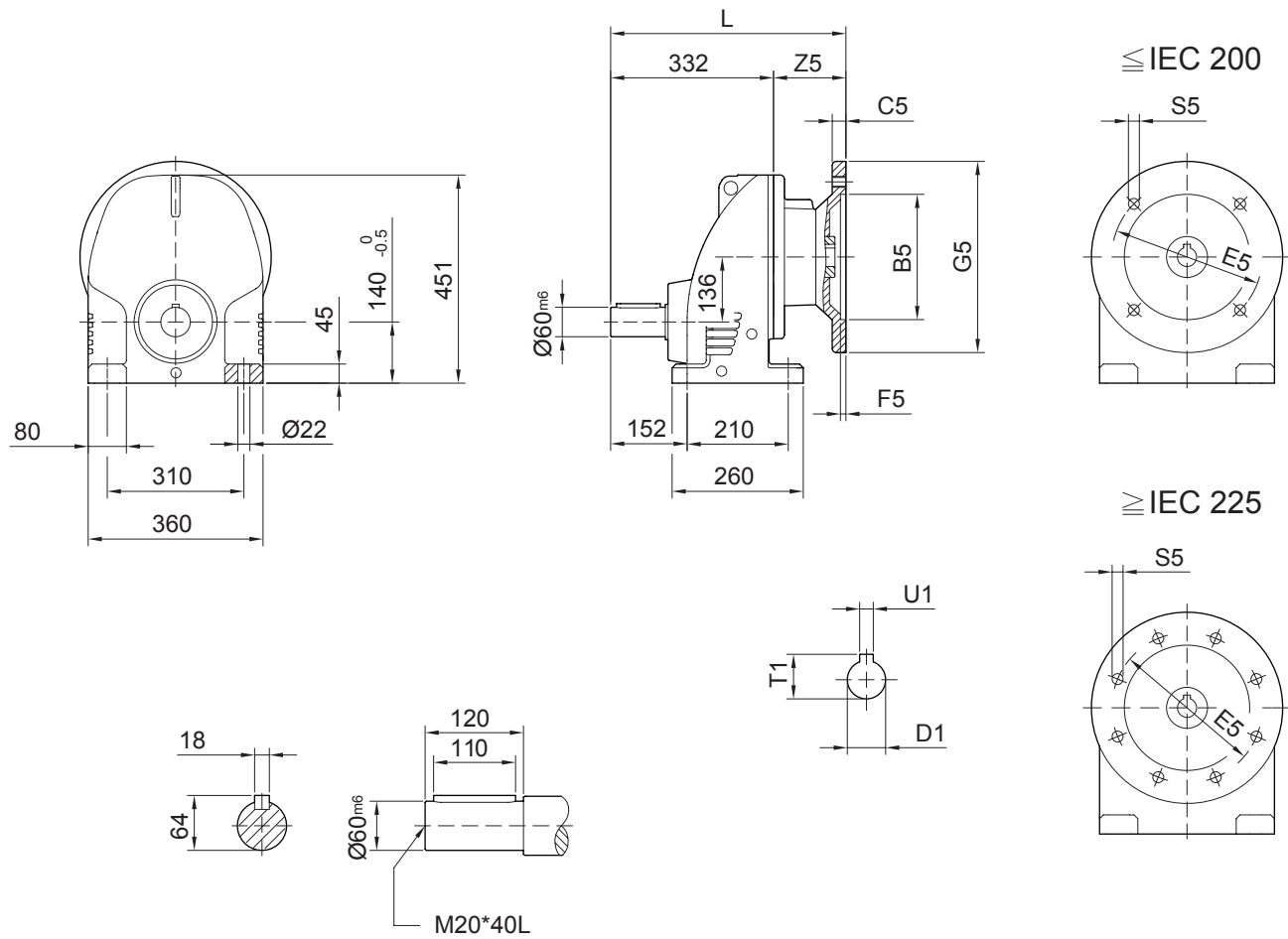
入力為馬達直結型之尺寸表・請參閱第 249 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 100	180	15	215	5	250	360	M12	62	28	31.3	8
IEC 112	180	15	215	5	250	360	M12	62	28	31.3	8
IEC 132	230	16	265	6	300	404.5	M12	106.5	38	41.3	10
IEC 160	250	20	300	6	350	440.5	M16	142.5	42	45.5	12
IEC 180 *	250	20	300	6	350	449.5	M16	151.5	48	51.8	14

* 台灣東元馬達建議請參閱第 251 頁。



XHF 107



For the dimensions concerning the solid input shaft, please refer to the table shown at page 246.

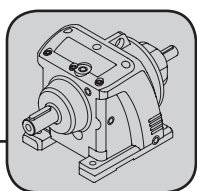
For the dimensions concerning the motor input shaft, please refer to the table shown at page 249.

入力為實心軸之尺寸表，請參閱第 246 頁。

入力為馬達直結型之尺寸表，請參閱第 249 頁。

	B5	C5	E5	F5	G5	L	S5	Z5	D1	T1	U1
IEC 100	180	15	215	5	250	394	M12	62	28	31.3	8
IEC 112	180	15	215	5	250	394	M12	62	28	31.3	8
IEC 132	230	16	265	6	300	429	M12	97	38	41.3	10
IEC 160	250	20	300	6	350	465	M16	133	42	45.5	12
IEC 180 *	250	20	300	6	350	474	M16	142	48	51.8	14
IEC 200 *	300	20	350	6	400	474	M16	142	55	59.3	16
IEC 225 *	350	20	400	6	450	505	M16	173	60	64.4	18

* 台灣東元馬達建議請參閱第 251 頁。



Helical Gear Units

Dimension Sheets[mm]

實心入力
Solid Input Shaft

L..D

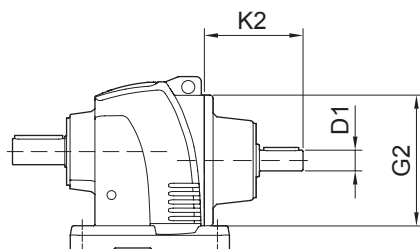


FIG 1

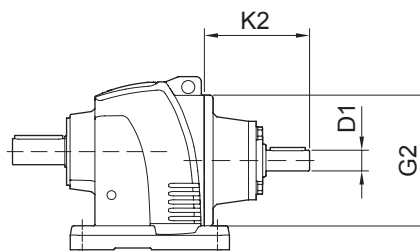
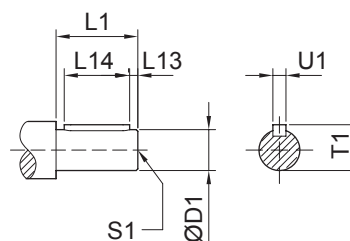
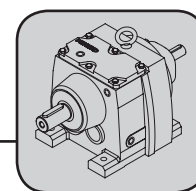


FIG 2

	D1	L1	L13	L14	T1	U1	S1	K2	G2	FIG
L..37	16 k6	40	4	32	18	5	M5*10L	88	120	1
	19 k6	40	4	32	21.5	6	M6*12L	90.5	120	1
L..47	16 k6	40	4	32	18	5	M5*10L	83.5	160	1
	19 k6	40	4	32	21.5	6	M6*12L	86	160	1
	24 k6	50	5	40	27	8	M8*16L	96	160	1
L..57	16 k6	40	4	32	18	5	M5*10L	83.5	160	1
	19 k6	40	4	32	21.5	6	M6*12L	86	160	1
	24 k6	50	5	40	27	8	M8*16L	96	160	1
L..67	19 k6	40	4	32	21.5	6	M6*12L	95	160	2
	24 k6	50	5	40	27	8	M8*16L	119.5	160	2
L..77	19 k6	40	4	32	21.5	6	M6*12L	89.5	200	2
	19 k6	40	4	32	21.5	6	M6*12L	106	200	2
	24 k6	50	5	40	27	8	M8*16L	114	200	2
	38 k6	80	5	70	41	10	M12*24L	177	200	2
L..87	19 k6	40	4	32	21.5	6	M6*12L	95.5	250	2
	28 k6	60	5	50	31	8	M8*16L	114.5	250	2
	38 k6	80	5	70	41	10	M12*24L	167.5	250	2
	42 k6	110	10	70	45	12	M16*32L	240.5	250	2
L..97	28 k6	60	5	50	31	8	M8*16L	110.5	300	2
	38 k6	80	5	70	41	10	M12*24L	159.5	300	2
	42 k6	110	10	70	45	12	M16*32L	232.5	300	2
	48 k6	110	10	80	51.5	14	M16*32L	237.5	300	2



實心入力
Solid Input Shaft

M..D

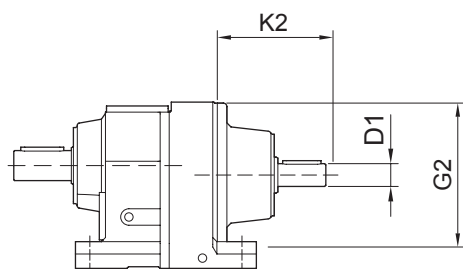


FIG 1

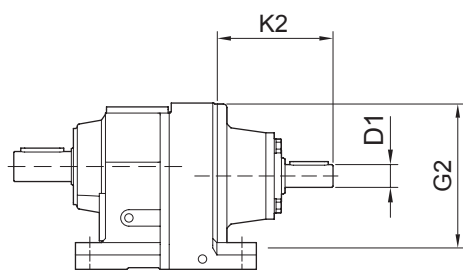
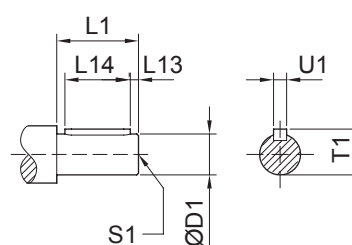
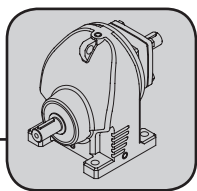


FIG 2



	D1	L1	L13	L14	T1	U1	S1	K2	G2	FIG
M..17	16 _{k6}	40	4	32	18	5	M5*10L	99	120	1
M..107	28 _{k6}	60	5	50	31	8	M8*16L	110.5	350	2
	38 _{k6}	80	5	70	41	10	M12*24L	150	350	2
	42 _{k6}	110	10	70	45	12	M16*32L	223	350	2
	48 _{k6}	110	10	80	51.5	14	M16*32L	228	350	2
M..137	42 _{k6}	110	10	70	45	12	M16*32L	223	350	2
	48 _{k6}	110	10	80	51.5	14	M16*32L	217	350	2
	55 _{m6}	110	10	90	59	16	M20*40L	259	400	2
M..147	42 _{k6}	110	10	70	45	12	M16*32L	205	350	2
	48 _{k6}	110	10	80	51.5	14	M16*32L	209	350	2
	55 _{m6}	110	10	90	59	16	M20*40L	255	450	2
	70 _{m6}	140	15	110	74.5	20	M20*40L	322	450	2
M..167	42 _{k6}	110	10	70	45	12	M16*32L	204	550	2
	48 _{k6}	110	10	80	51.5	14	M16*32L	209	550	2
	55 _{m6}	110	10	90	59	16	M20*40L	246	550	2
	70 _{m6}	140	15	110	74.5	20	M20*40L	315.5	550	2

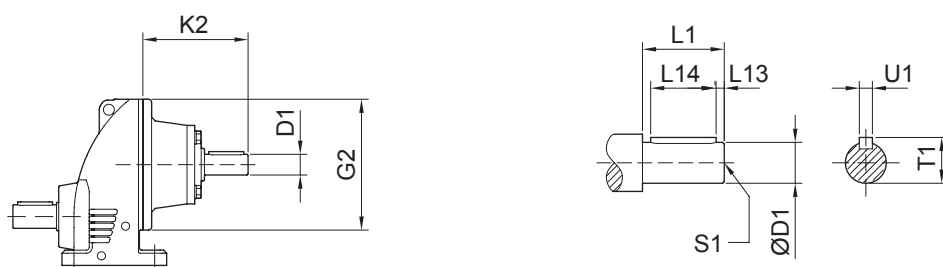


Helical Gear Units

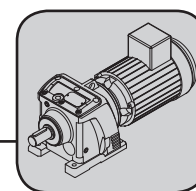
Dimension Sheets[mm]

實心入力
Solid Input Shaft

X..D

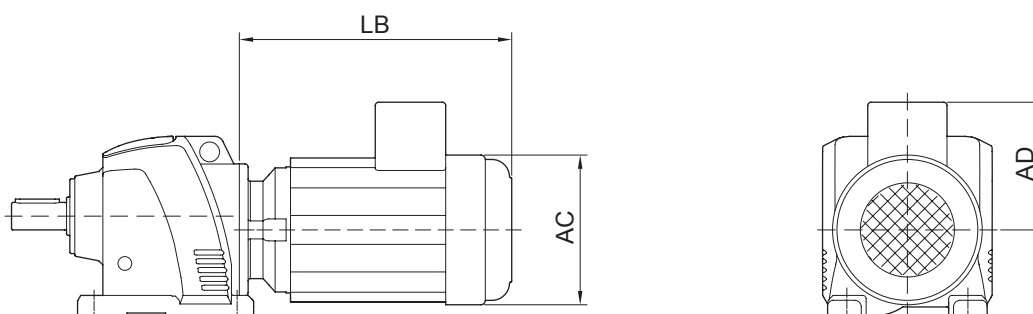


	D1	L1	L13	L14	T1	U1	S1	K2	G2
X..57	19 _{k6}	40	4	32	21.5	6	M6*12L	86	160
	24 _{k6}	50	5	40	27	8	M8*16L	96	160
X..67	19 _{k6}	40	4	32	21.5	6	M6*12L	115.5	160
	24 _{k6}	50	5	40	27	8	M8*16L	119.5	160
X..77	19 _{k6}	40	4	32	21.5	6	M6*12L	89.5	200
	19 _{k6}	40	4	32	21.5	6	M6*12L	106	200
	24 _{k6}	50	5	40	27	8	M8*16L	114	200
	38 _{k6}	80	5	70	41	10	M12*24L	177	200
X..87	19 _{k6}	40	4	32	21.5	6	M6*12L	95.5	250
	28 _{k6}	60	5	50	31	8	M8*16L	114.5	250
	38 _{k6}	80	5	70	41	10	M12*24L	167.5	250
	42 _{k6}	110	10	70	45	12	M16*32L	240.5	250
X..97	28 _{k6}	60	5	50	31	8	M8*16L	110.5	300
	38 _{k6}	80	5	70	41	10	M12*24L	159.5	300
	42 _{k6}	110	10	70	45	12	M16*32L	232.5	300
	48 _{k6}	110	10	80	51.5	14	M16*32L	237.5	300
X..107	28 _{k6}	60	5	50	31	8	M8*16L	110.5	350
	38 _{k6}	80	5	70	41	10	M12*24L	150	350
	42 _{k6}	110	10	70	45	12	M16*32L	223	350
	48 _{k6}	110	10	80	51.5	14	M16*32L	228	350



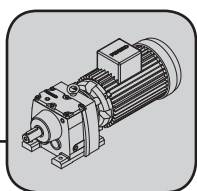
馬達入力
Couple With Motor

L..M



	MOTOR	AC	AD	LB
L..37	63	120	108	231.5
	71	136	116	247.5
	80	160	127	309
	90	176	139	354.5
L..47	63	120	108	227
	71	136	116	243
	80	160	127	304.5
	90	176	139	350
	100	198	149	398
L..57	112	220	167	410
	63	120	108	227
	71	136	116	243
	80	160	127	304.5
	90	176	139	350
L..67	100	198	149	398
	112	220	167	410
	63	120	108	225
	71	136	116	241
	80	160	127	302.5
L..77	90	176	139	348
	100	198	149	396
	112	220	167	408
	71	136	116	239
	80	160	127	297
L..77	90	176	139	342.5
	100	198	149	390.5
	112	220	167	402.5
	132	258	184.5	441

	MOTOR	AC	AD	LB
L..87	80	160	127	287.5
	90	176	139	333
	100	198	149	381
	112	220	167	393
	132S	258	184.5	431.5
	132M	258	184.5	469.5
L..97	160M	343	286	550
	100	198	149	377
	112	220	167	389
	132S	258	184.5	423.5
	132M	258	184.5	461.5
	160M	334	286	542
L..97	160L	334	286	586
	180M	382	305	607.5

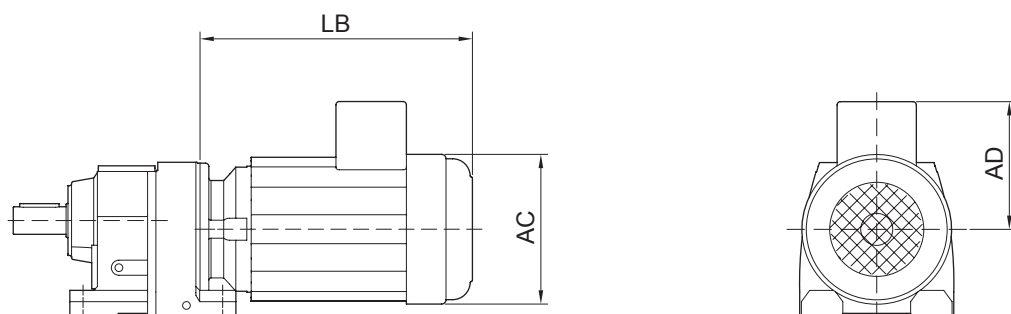


Helical Gear Units

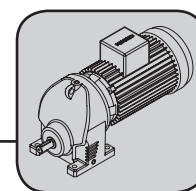
Dimension Sheets[mm]

馬達入力
Couple With Motor

M..M

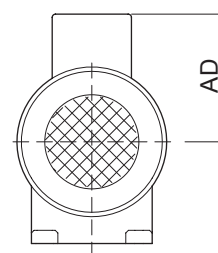
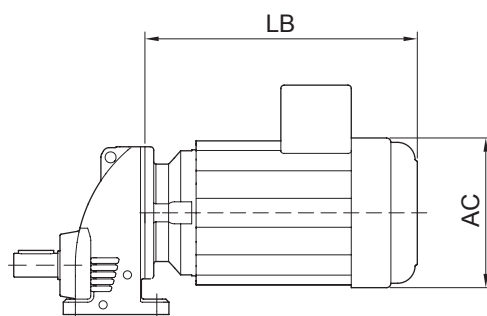


	MOTOR	AC	AD	LB
M..17	63	108	108	249
	71	136	116	265
	80	160	127	362.5
M..107	132S	258	184.5	414
	132M	258	184.5	452
	160M	334	286	532.5
	160L	334	286	576.5
	180M	382	350	598
	180L	382	350	598
	220L	382	350	636
	225S	458	362	713
	225M	458	362	713
M..137	160M	334	286	521.5
	160L	334	286	565.5
	180M	382	350	587
	180L	382	350	587
	220L	382	350	625
	225S	458	362	702
	225M	458	362	702



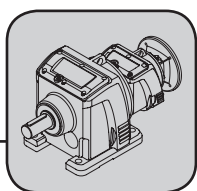
馬達入力
Couple With Motor

X..M



	MOTOR	AC	AD	LB
X..57	63	120	108	225
	71	136	116	241
	80	160	127	302.5
	90	176	139	348
	100	198	149	396
	112	220	167	408
X..67	63	120	108	225
	71	136	116	241
	80	160	127	302.5
	90	176	139	348
	100	198	149	396
	112	220	167	408
X..77	71	160	127	297
	80	176	139	342.5
	90	198	149	390.5
	100	220	167	402.5
	112	258	184.5	441
	132S	258	184.5	441
X..87	80	160	127	287.5
	90	176	139	333
	100	198	149	381
	112	220	167	393
	132S	258	184.5	431.5
	132M	258	184.5	469.5
	160M	343	263	550

	MOTOR	AC	AD	LB
X..97	100	198	149	377
	112	220	167	389
	132S	258	184.5	423.5
	132M	258	184.5	461.5
	160M	334	263	542
	160L	334	286	586
	180M	382	305	607.5
	180L	382	305	607.5
X..107	132S	258	184.5	414
	132M	258	184.5	452
	160M	334	286	532.5
	160L	334	286	576.5
	180M	382	350	598
	180L	382	350	598
	220L	382	350	636
	225S	458	362	713
	225M	458	362	713

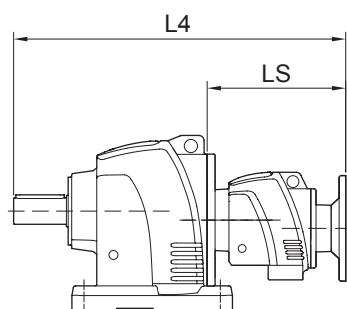


Helical Gear Units

Dimension Sheets[mm]

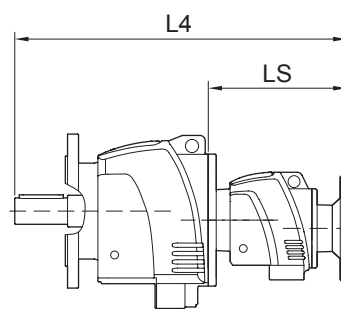
雙連體多段 Double Reduction

LNF/MNF

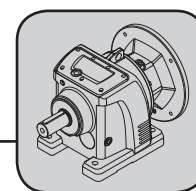


		LS	L4
L..47-37	IEC 63	219	458
	IEC 71	219	458
	IEC 80	237	476
	IEC 90L	237	476
L..57-37	IEC 63	219	476
	IEC 71	219	476
	IEC 80	237	494
	IEC 90L	237	494
L..67-37	IEC 63	217	496
	IEC 71	217	496
	IEC 80	235	514
	IEC 90L	235	514
L..77-37	IEC 63	211.5	514
	IEC 71	211.5	514
	IEC 80	229.5	532
	IEC 90L	229.5	532
L..87-57	IEC 63	249.5	621.5
	IEC 71	249.5	621.5
	IEC 80	267.5	639.5
	IEC 90L	267.5	639.5
	IEC 100L	284	656
	IEC 112M	284	656
L..97-57	IEC 63	241.5	681.5
	IEC 71	241.5	681.5
	IEC 80	259.5	699.5
	IEC 90L	259.5	699.5
	IEC 100L	276	716
	IEC 112M	276	716
M..107-77	IEC 71	290.5	785.5
	IEC 80	298.5	793.5
	IEC 90L	298.5	793.5
	IEC 100L	315	810
	IEC 112M	315	810
	IEC 132S	363.5	858.5

LXF/MXF



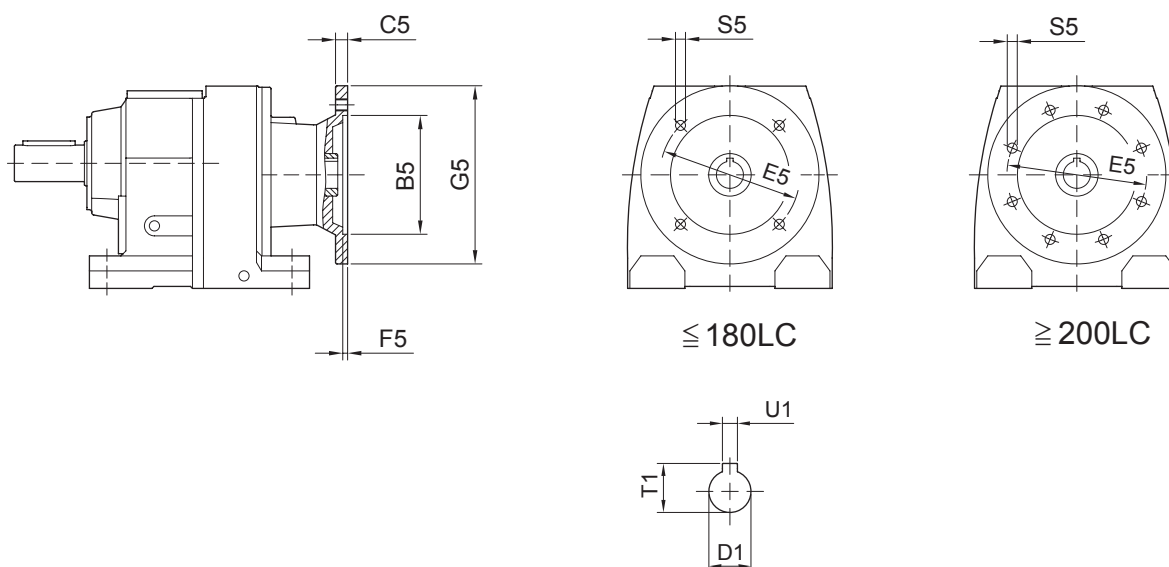
		LS	L4
M..137-77	IEC 71	279.5	869.5
	IEC 80	287.5	877.5
	IEC 90L	287.5	877.5
	IEC 100L	304	894
	IEC 112M	304	894
	IEC 132S	352.5	942.5
M..147-77	IEC 71	279.5	974.5
	IEC 80	287.5	982.5
	IEC 90L	287.5	982.5
	IEC 100L	304	999
	IEC 112M	304	999
	IEC 132S	352.5	1047.5
M..147-87	IEC 80	343	1038
	IEC 90L	343	1038
	IEC 100L	344	1039
	IEC 112M	344	1039
	IEC 132S	392.5	1087.5
	IEC 132M	392.5	1087.5
	IEC 160M	428.5	1123.5
M..167-97	IEC 100L	387	1177
	IEC 112M	387	1177
	IEC 132S	431.5	1221.5
	IEC 132M	431.5	1221.5
	IEC 160M	467.5	1257.5
	IEC 160L	467.5	1257.5
M..167-107	IEC 180M	476	1266
	IEC 100L	427	1217
	IEC 112M	427	1217
	IEC 132S	462	1252
	IEC 132M	462	1252
	IEC 160M	498	1288
	IEC 160L	498	1288
	IEC 180M	507	1297



法蘭入力
Input Flange

L..F

M..F



輸入馬力 HP - 4P	TECO Frame	B5	C5	E5	F5	G5	S5	D1	T1	U1
0.25	63	110	10	130	4	160	M8	11	12.84	4
0.5	71	110	10	130	4	160	M8	14	16.3	5
1	80	130	12	165	5	200	M10	19	21.8	6
2	90L	130	12	165	5	200	M10	24	27.3	8
3	100L	180	15	215	5	250	M12	28	31.3	8
5	112M	180	15	215	5	250	M12	28	31.3	8
7.5	132S	230	16	265	6	300	M12	38	41.3	10
10	132M	230	16	265	6	300	M123	8	41.3	10
15	160M	250	20	300	6	350	M16	42	45.3	12
20	160L	250	20	300	6	350	M164	2	45.3	12
25 / 30	180MC	300	20	350	6	400	M164	8	51.8	14
40	180LC	300	20	350	6	400	M16	55	59.3	16
50 / 60	200LC	350	20	400	6	450	M16	60	64.4	18
75	225SC	450	22	500	6	550	M16	65	69.5	18
100	250SC	450	22	500	6	550	M16	75	79.9	20
150	280S	550	22	550	6	660	24	85	90.4	22

This dimensional table is with specific frame sizes for TECO motor.

For international IEC motor dimensions please refer to the specification on each page of dimension sheet.

本表適用於台灣東元馬達 (4P)，如使用國際 IEC 馬達，請參照各型號尺寸圖下方表格。













