



ALUMINUM HOUSING/
HOLLOW OUTPUT/
WORM GEAR REDUCERS



成大鋁殼中空軸蝸輪減速機



鋁合金外殼和義大利型式相容

COMPARABLE TO ITALIAN MODEL



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鋁殼蝸輪減速機H系列 Aluminum Worm Gear Unit H Series

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1.1 公司介紹

- 1.1960 年本公司董事長陳茂正先生創設”成大機器廠”于高雄市自強二路，工廠取名”成大”乃本于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，當時為南臺灣之翹楚，由于技術精良服務親切，開業後旋即聞名遐邇，生意蓬勃。
- 3.1971 年本于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 120 名，產品以自有之 CHENTA 品牌行銷全球。主要市場為臺灣、亞洲、北美洲及中東，至今已執臺灣業界之牛耳。并在海外設立美國分公司及中國蘇州分公司。
4. 建廠以來，本公司即本着”結合一流人才，研發製造高質量的產品”為信念。產品政策以”質量保證” ”交貨準確” ”價格競爭” ”生產合理”及”營銷國際”為追求目標。
5. 累積 40 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，生產高質量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
CHNTA PRECISION MACHINERY IND.INC.
成立：民國 60 年（1971 年）
職工人數：117 名
廠房面積：仁武廠 7000m²
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 technique cooperation between CHENTA and Japan reducer manufacturer began. From then on, CHENTA started manufacturing her own brand, ”CHENTA GEAR REDUCER” . Now the company has about 90 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 America and in Suzhou (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 Marketing” .
5. With more than 40 years of experience in mechanical manufacturing and honest operation, a fine culture has naturally grown inside the cooperation. 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 benefit.
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: CHNTA PRECISION MACHINERY IND.INC.
Established: 1971
Employee: 117 persons
Plant Sizes: Jen Wu Plant 7000m²
Suzhou Plant:30000 m²

1.2 鋁殼中空軸減速機

產品特點說明

- 1> 採用鋁合金外殼材質輕,110 型以上為鑄鐵
- 2> 小巧結構設計節省安裝空間
- 3> 高精準度
- 4> 可正逆轉傳動運轉
- 5> 傳動平穩低噪音
- 6> 多種附件可供選擇且安裝容易
- 7> 減重設計可直接加掛於設備上而不致增加設備負擔
- 8> 散熱面積加大設計，使機器更耐用
- 9> 全方位安裝設計，適用於各種方向配置
- 10> 採用高強度中空輸出軸;比一般鑄鐵承載力更高
- 11> 蝸桿採用鉻鋁合金鋼，經滲碳熱處理之後，牙部研磨，強度大幅提高
- 12> 本體表面粉體烤漆處理美觀不生銹，外型安裝尺寸與義大利型式相容

1.2 Product Overview

- High accuracy.
- Enlarged facial area for a better heat radiating and durability promoting.
- Light duty and compact design.
- Less expenses on maintaining.
- Oil change is an optional.
- Capability of back-drivable.
- Higher strength design on hollow output shaft.
- Enhanced input shaft made of Cr-Mo alloy steel under carburized heat treatment.
- Numerous accessories with a wider collocation.
- Transmission of power with minimized vibration and noise level.
- Aluminum alloy casting for size #30-#90 and cast-iron casting for size #110-#150.
- General design on dimensions for a higher compatibility.
- Extensive applicability.
- Available for universal mounting positions.
- Rusting free from power coating casting parts.

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.為延長減速機壽命，建議運轉 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 P16. 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. For an extension on life cycle of gearbox, 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 before the next oil change 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 MobilubeHD80W-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 (overhungloading) 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°C
- * 通暢的通風環境。
- * 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. 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°C
- * 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. Before installation, please check the input horse power 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 蝸輪減速機可能發生之異常狀況及改善方法

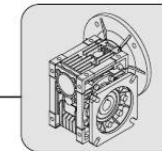
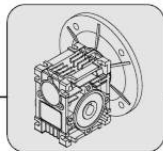
以下所列為一般性故障，如有特殊異常情形發生時，請與本公司聯絡，我們將提供正確之服務。

| 異常情況 | 原因 | 改善方法 |
|-------------------|---|--|
| 一、機體發熱 | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 1. 調整至正常負荷 2. 潤滑油應依安裝位參考用油量表調整油量 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 | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 1. 蝸輪磨損 2. 異物掉入 3. 軸承磨耗或受損 4. 螺絲鬆動 | <ol style="list-style-type: none"> 1. 更換蝸輪 2. 除去異物，更換新潤滑油 3. 更換軸承 4. 鎖緊螺絲 |
| 四、漏油 | <ol style="list-style-type: none"> 1. 油封損傷 2. 墊片破損 3. 蓋類或法蘭螺絲鬆脫 | <ol style="list-style-type: none"> 1. 更換油封 2. 更換墊片 3. 鎖緊螺絲 |
| 五、入力軸及出力軸無法轉動 | <ol style="list-style-type: none"> 1. 蝸輪嚙合面因高熱而黏合 2. 軸承已損壞 3. 有固形物（硬物）嚙入蝸輪接合面 | <ol style="list-style-type: none"> 1. 依程度而判斷可調整或更換蝸輪 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 | <ol style="list-style-type: none"> 1. 蝸輪已磨耗 2. 蝸輪與出力軸之配合鍵破損 3. 入力軸折斷 4. 出力軸折斷 | <ol style="list-style-type: none"> 1. 更換蝸輪 2. 更換鍵 3. 更換入力軸 4. 更換出力軸 |
| 七、齒輪磨耗較大 | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 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

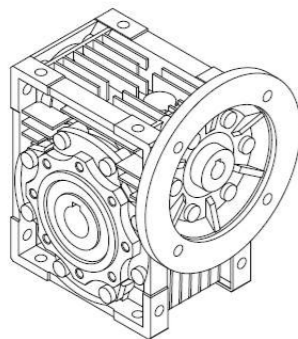
The following lists are general problem situations. In case other problems happen, please contact directly with us to get more information.

| CAUSE | REASON | IMPROVEMENT |
|--|--|--|
| 1、Overheat | <ol style="list-style-type: none"> 1. Overload 2. Lubricant oil overfill or shortage 3. Improper lubricant oil 4. Extra friction on oil seal(lack of lubricant) | <ol style="list-style-type: none"> 1. Adjust to proper loading 2. Please refer to oil volume table and mounting position indication for a correct oil filling. 3. Change proper lubricant oil 4. Lip lubricant at oil seal |
| 2、Noise | <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 1. { Repair gears; Replace bearing 2. { Replace bearing; Fill in lubricant oil 3. { Remove debris & replace lubricant oil; Replace bearing |
| 3、Vibration | <ol style="list-style-type: none"> 1. Worm gear wear 2. Debris inside 3. Bearing worn-out or damaged 4. Bolt loose | <ol style="list-style-type: none"> 1. Replace worm gear 2. Remove debris & replace lubricant oil 3. Replace bearing 4. Tighten bolt |
| 4、Oil Leakage | <ol style="list-style-type: none"> 1. Oil seal damage 2. Gasket damage 3. Loose covers or flange | <ol style="list-style-type: none"> 1. Replace oil seal 2. Replace gasket 3. Tighten the bolts |
| 5、Input and Output Shaft Fail | <ol style="list-style-type: none"> 1. Worm gear-bound caused by overheat 2. Bearing damage 3. Debris between gears | <ol style="list-style-type: none"> 1. Adjust or replace gears 2. Replace bearing 3. Remove debris; clean inside then replace lubricant oil |
| 6、Input shaft fail to drive output shaft | <ol style="list-style-type: none"> 1. Worm gear wear 2. Damage to key connecting gear and output shaft 3. Input shaft rupture 4. Output shaft rupture | <ol style="list-style-type: none"> 1. Replace gears 2. Replace key 3. Replace input shaft 4. Replace output shaft |
| 7、Gear Worn-out | <ol style="list-style-type: none"> 1. Overload 2. Improper lubricant oil 3. Lubricant oil shortage 4. Excessive ambient temperature | <ol style="list-style-type: none"> 1. Adjust to proper loading 2. Change proper lubricant oil 3. Refill lubricant oil 4. Ventilation improvement |

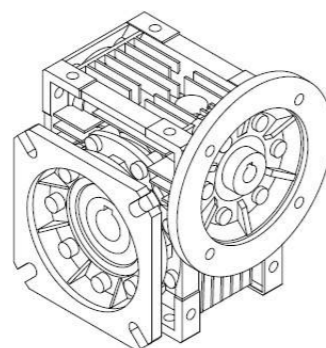


2.1 產品型式 Variants

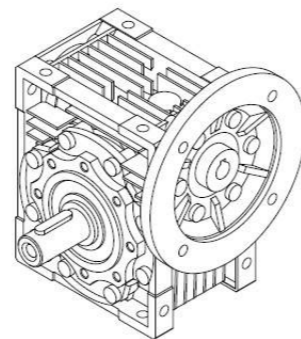
法蘭入力型 Input Flange



HHM...

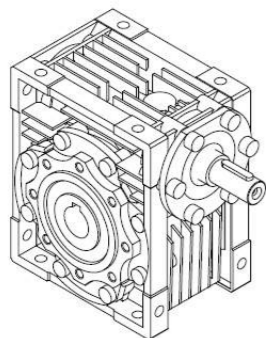


HMM...

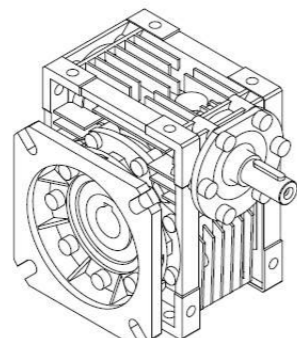


HSM...

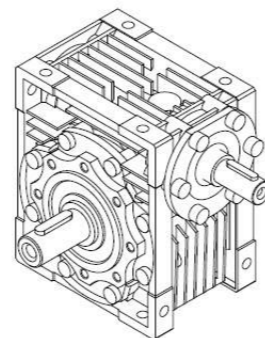
實心入力型 Solid Input Shaft



HHS...

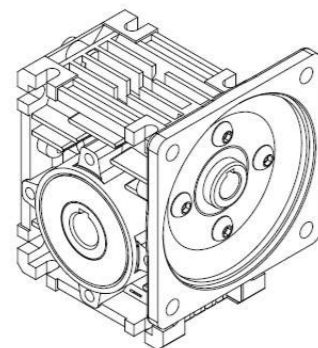


HMS...

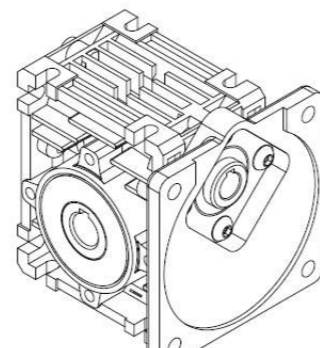


HSS...

微型馬達專用型 Small Motor Coupling

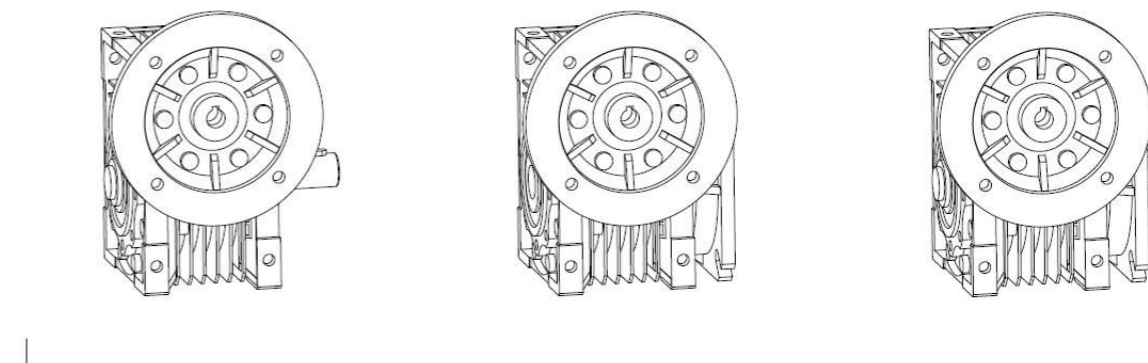


HHF...

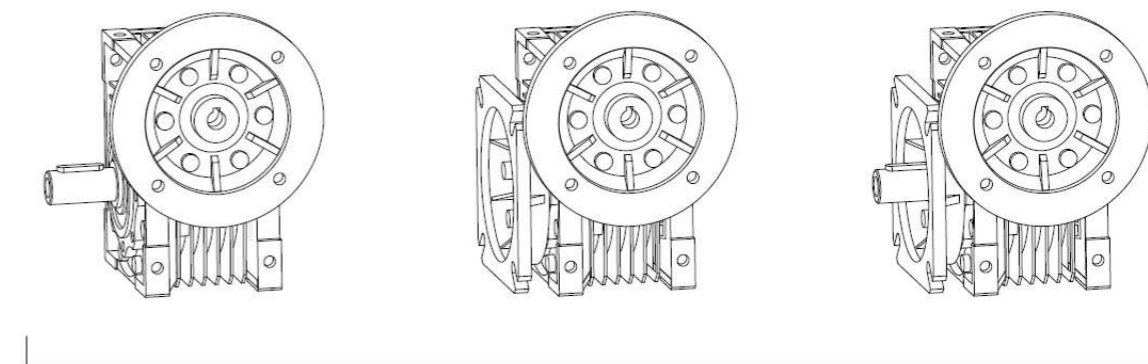


HHG...

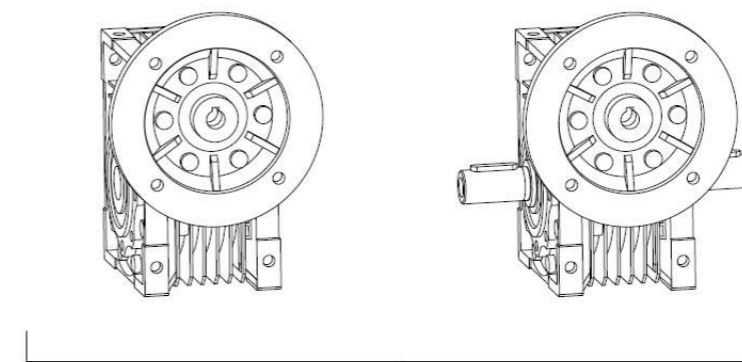
2.2 軸向 Direction of shaft



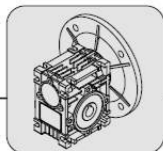
A



B

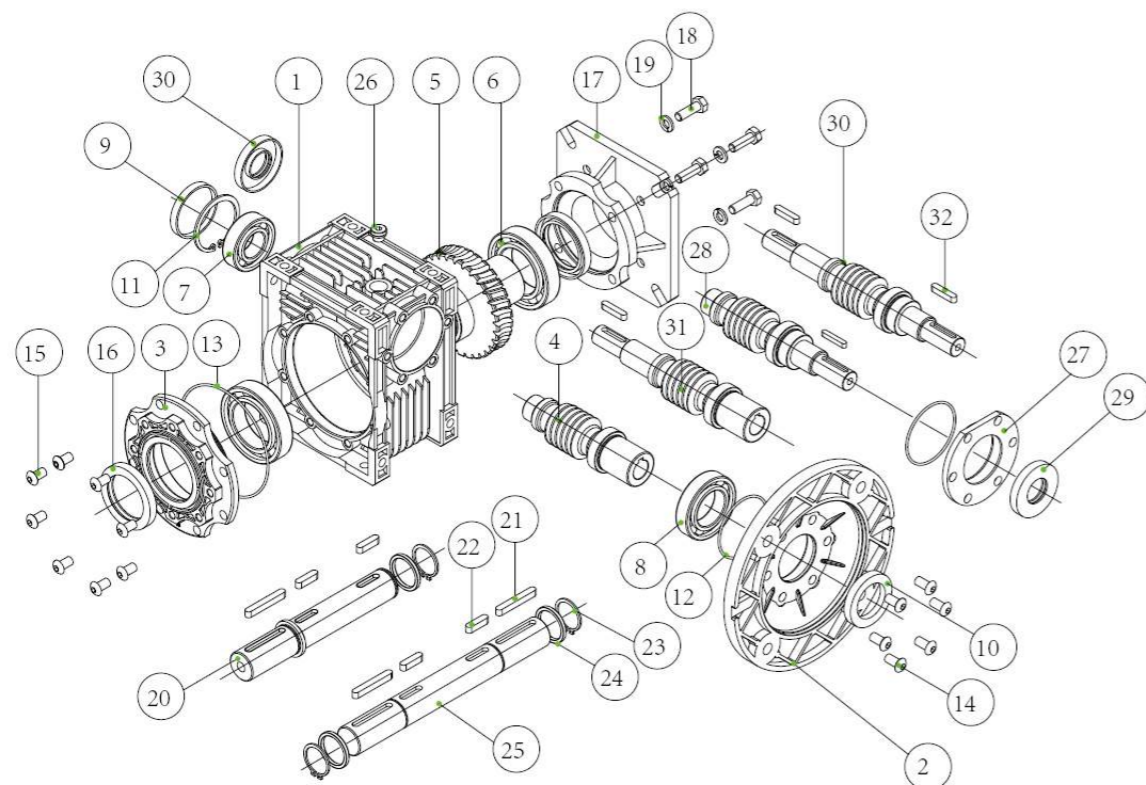


C

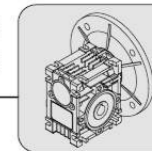


2.3 零件分解圖

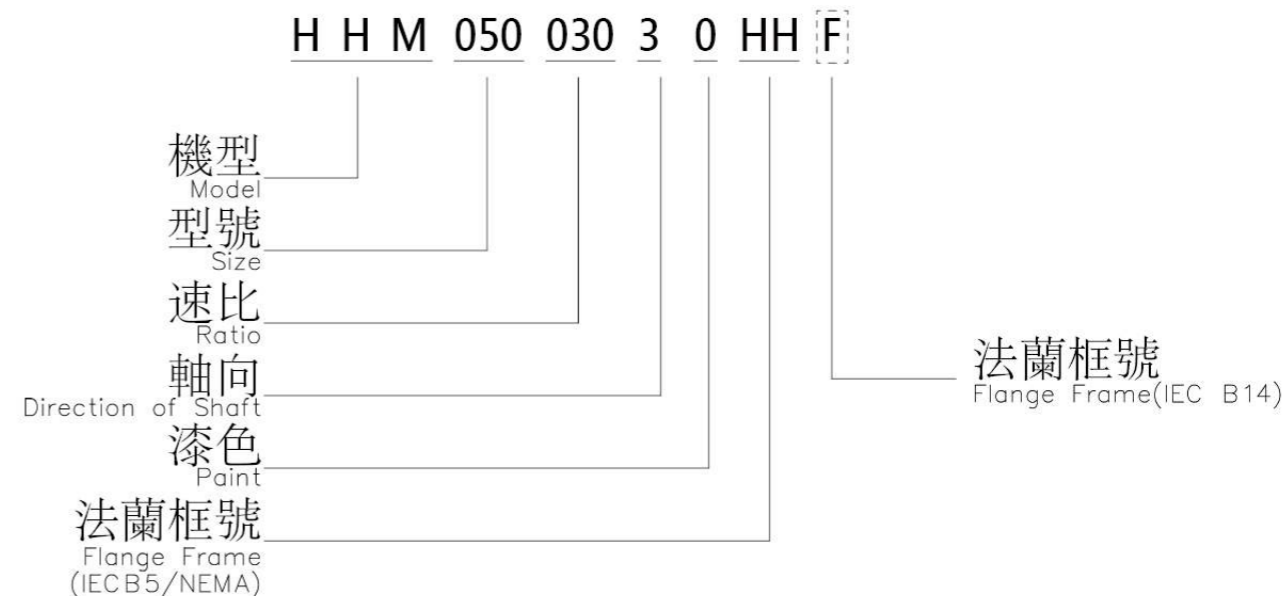
Exploded Views & Parts Lists



| 編號 Item | 名稱 Part Name | 編號 Item | 名稱 Part Name |
|---------|------------------|---------|-------------------|
| 1 | 本體Housing | 17 | 出力法蘭Output flange |
| 2 | 入力法蘭Input flange | 18 | 螺絲Screw |
| 3 | 出力蓋Cover | 19 | 華司Washer |
| 4 | 入力軸Input shaft | 20 | 出力軸Output shaft |
| 5 | 蝸輪Worm gear | 21 | 鍵Key |
| 6 | 軸承Bearing | 22 | 鍵Key |
| 7 | 軸承Bearing | 23 | 扣環C-ring |
| 8 | 軸承Bearing | 24 | 隔環Spacer |
| 9 | 全密油封Oil cover | 25 | 出力軸Output shaft |
| 10 | 油封Oil seal | 26 | 塞頭Filler |
| 11 | 扣環C-ring | 27 | 入力蓋Input cover |
| 12 | 止油環O-ring | 28 | 入力軸Input shaft |
| 13 | 止油環O-ring | 29 | 油封Oil seal |
| 14 | 螺絲Screw | 30 | 入力軸Input shaft |
| 15 | 螺絲Screw | 31 | 入力軸Input shaft |
| 16 | 油封Oil seal | 32 | 鍵Key |



2.4 編碼說明 / Order Code



機型 Model

HHM...(030-150)
HMM...(030-150)
HSM...(030-150)
HHS...(030-150)
HMS...(030-150)
HHF...(030-040)
HHG...(030-040)

型號 Size

030: 30 090: 90
040: 40 110: 110
050: 50 130: 130
063: 63 150: 150
075: 75

速比 Ratio

05: 1/5
1
100: 1/100

法蘭框號 Flange Frame

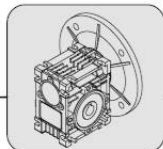
| | |
|-----------------------------|-----------------------|
| 公制框號 IEC Standard 4-Pole | 英制框號 NEMA Standard |
| QQ: 1/4HP | 01: 56C |
| HH: 1/2HP | 02: 143T |
| 01: 1HP | 04: 182/184T |
| 02: 2HP | 06: 213/215T |
| 03: 3HP | 08: 254/256T |
| 05: 5HP | |
| 07: 7.5HP | |
| 10: 10HP | |
| 15: 15HP | |

軸向 Direction of shaft

A、B、C

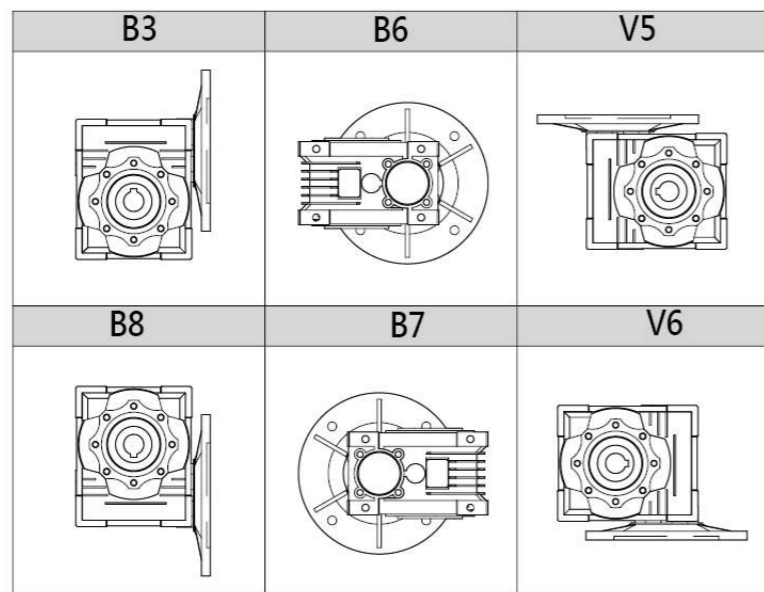
漆色 Paint

0: 鋁殼藍漆
Blue

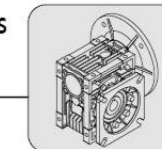
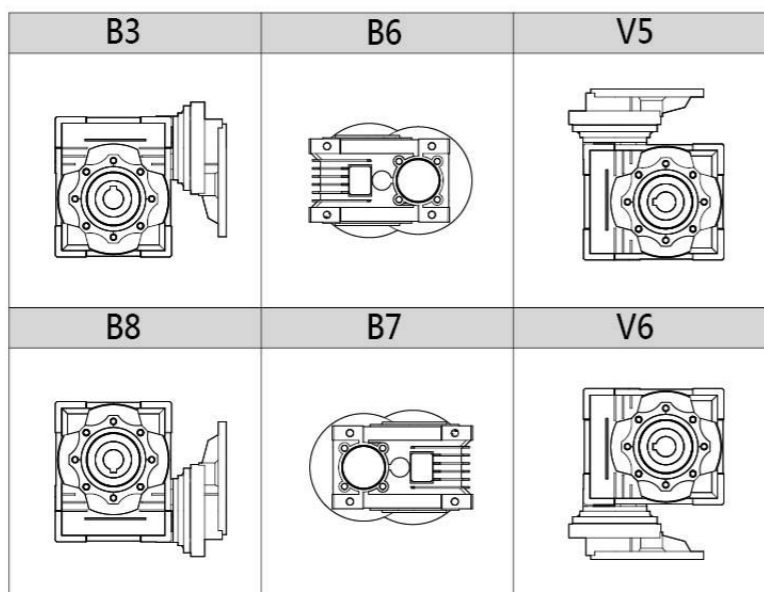


2.5 安裝位置 Mounting Positions

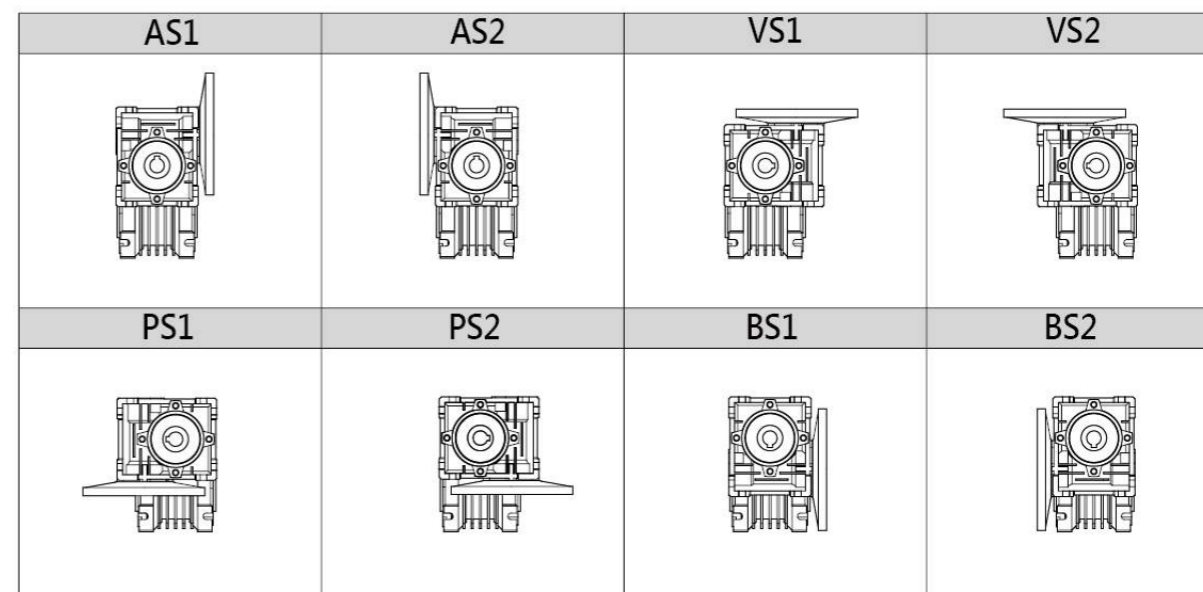
HH...



HH+PC...



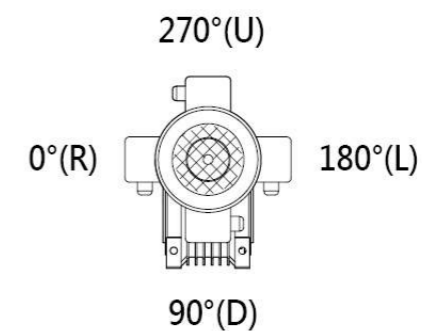
HHX

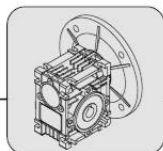


若馬達有垂直安裝或特殊要求，請洽公司客服
While motor mounting position is vertically or have any other specific requests, please contact with sales representative.

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





2.6 油量表 Lubricants Volume

潤滑油用量&潤滑油選定表 Lubricant Volume & Lubricant Selection

| Size | 環境溫度 Ambient Temperature | |
|---------|---|---|
| | 礦物油 Mineral 黏度 ISO/ VG/Mobil/Omala 320 | 合成油 Synthetic 黏度 ISO/ VG/Mobil/Omala 320 |
| 30-90 | x | -25°C~50°C |
| 110-150 | -5°C~40°C | -25°C~50°C |

HH..

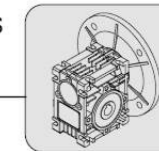
| 用油量參照表 單位:毫升 Lubricant Volume(ml) | | | | | | |
|--------------------------------------|------|------|------|------|------|------|
| Size | B3 | B6 | B7 | B8 | V5 | V6 |
| 30 | 40 | 35 | 35 | 30 | 50 | 50 |
| 40 | 80 | 70 | 70 | 60 | 100 | 100 |
| 50 | 100 | 85 | 85 | 75 | 125 | 125 |
| 63 | 250 | 220 | 220 | 190 | 310 | 310 |
| 75 | 500 | 430 | 430 | 370 | 620 | 620 |
| 90 | 800 | 700 | 700 | 600 | 1000 | 1000 |
| 110 | 3000 | 2500 | 2200 | 2500 | 3000 | 2200 |
| 130 | 4500 | 3500 | 3100 | 3500 | 4500 | 3300 |
| 150 | 7000 | 5400 | 5100 | 5400 | 7000 | 5100 |

PC..

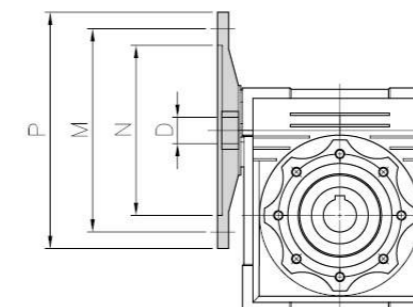
| 用油量參照表 單位:毫升 Lubricant Volume(ml) | | | | | | |
|--------------------------------------|----|----|-----|----|----|----|
| Size | B3 | B6 | B7 | B8 | V5 | V6 |
| PC63 | | | 50 | | | |
| PC71 | | | 70 | | | |
| PC80 | | | 150 | | | |
| PC90 | | | 160 | | | |

以上數據僅供參考

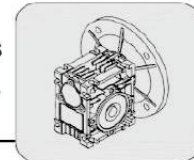
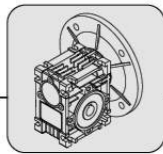
RECOMMENDATIONS



2.7 基本配置 / Predisposition


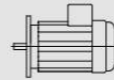


| Size | IEC | N | M | P | I | | | | | | | | | | | | | | | | | |
|------|------------|-----|-----|-----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|
| | | | | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | | | | | | |
| 30 | 63B5 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 63B14 | 60 | 75 | 90 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 56B5 | 80 | 100 | 120 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | 56B14 | 50 | 65 | 80 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 40 | 71B5 | 110 | 130 | 160 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | 71B14 | 70 | 85 | 105 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 63B5 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 63B14 | 60 | 75 | 90 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 50 | 80B5 | 130 | 165 | 200 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | 80B14 | 80 | 100 | 120 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 71B5 | 110 | 130 | 160 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | 71B14 | 70 | 85 | 105 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 63 | 63B5 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 90B5 | 130 | 165 | 200 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | 90B14 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 80B5 | 130 | 165 | 200 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 75 | 80B14 | 80 | 100 | 120 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 71B5 | 110 | 130 | 160 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| | 71B14 | 70 | 85 | 105 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 100/112B5 | 180 | 215 | 250 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 90 | 100/112B14 | 110 | 130 | 160 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 90B5 | 130 | 165 | 200 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | 90B14 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 80B5 | 130 | 165 | 200 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 110 | 80B14 | 80 | 100 | 120 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 132B5 | 230 | 265 | 300 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| | 132B14 | 130 | 165 | 200 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 100/112B5 | 180 | 215 | 250 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 130 | 100/112B14 | 110 | 130 | 160 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 90B5 | 130 | 165 | 200 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| | 90B14 | 95 | 115 | 140 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 80B5 | 130 | 165 | 200 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 150 | 132B5 | 230 | 265 | 300 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| | 132B14 | 130 | 165 | 200 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | 100/112B5 | 180 | 215 | 250 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| | 100/112B14 | 110 | 130 | 160 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |





2.8 選型表表格說明 Information of Selection Tables

HHM/HHX/HH..+PC...

| 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


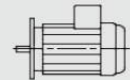
- [6] 操作係數
Service factor
- [7] 減速機規格
Gear unit size
- [8] 馬達型號
Motor type
- [9] 重量
Weight

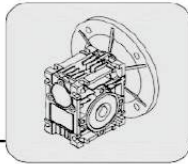
| i | na [1/min] | Mamax [Nm] | Pe [kW] | FRa [N] | FRe [N] |  |  | m [kg] |
|-----|---------------|---------------|------------|------------|------------|---|---|-----------|
| 30 | | | | | | | | 20Nm |
| [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] |


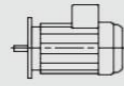
- [1] 減速機-減速比
Gear unit reduction ratio
- [2] 輸出轉速
Output speed
- [3] 最大許可輸出扭矩
Maximum permitted output torque
- [4] 減速機許可入力功率
Calculated drive power of the gear unit
- [5] 最大輸出扭矩時，許可的徑向負載 (OHL)
Permitted overhung load at maximum output torque

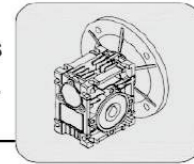
- [6] 入力端許可的徑向負載 (OHL)
Permitted overhung load on the input side
- [7] 減速機規格
Gear unit size
- [8] 入力端軸徑
Input shaft diameter
- [9] 重量
Weight


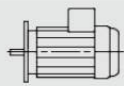
3.1 H,M+Motor 選型表 Input Flange Type (Single Reduction)

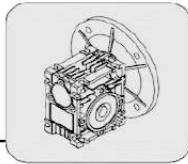
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|------------------|---------------|------------|------|------------|------|---|---|-----------|----|----|-----|
| 0.06 (0.08HP) | 350 | 1.4 | 5 | 554 | 12.7 | 30 | 56 | 1.2 | | | |
| | 233 | 2.1 | 7.5 | 634 | 8.7 | | | | | | |
| | 175 | 2.7 | 10 | 698 | 6.7 | | | | | | |
| | 117 | 3.9 | 15 | 799 | 4.7 | | | | | | |
| | 88 | 4.9 | 20 | 880 | 3.5 | | | | | | |
| | 70 | 5.7 | 25 | 948 | 3.7 | | | | | | |
| | 58 | 6.3 | 30 | 1007 | 3.2 | | | | | | |
| | 44 | 7.7 | 40 | 1108 | 2.3 | | | | | | |
| | 35 | 9.3 | 50 | 1194 | 1.8 | | | | | | |
| | 29 | 10 | 60 | 1269 | 1.5 | | | | | | |
| | 22 | 12 | 80 | 1396 | 1.0 | | | | | | |
| | 35 | 10 | 50 | 2298 | 3.8 | | | | 40 | 56 | 2.3 |
| 29 | 11 | 60 | 2442 | 3.2 | | | | | | | |
| 22 | 13 | 80 | 2687 | 2.3 | | | | | | | |
| 18 | 15 | 100 | 2895 | 1.8 | | | | | | | |
| 0.09 (0.12HP) | 350 | 2.1 | 5 | 554 | 8.4 | 30 | 56 | 1.2 | | | |
| | 233 | 3.1 | 7.5 | 634 | 5.8 | | | | | | |
| | 175 | 4.1 | 10 | 698 | 4.4 | | | | | | |
| | 117 | 5.8 | 15 | 799 | 3.1 | | | | | | |
| | 88 | 7.3 | 20 | 880 | 2.3 | | | | | | |
| | 70 | 8.6 | 25 | 948 | 2.4 | | | | | | |
| | 58 | 9.5 | 30 | 1007 | 2.1 | | | | | | |
| | 44 | 12 | 40 | 1108 | 1.6 | | | | | | |
| | 35 | 14 | 50 | 1194 | 1.2 | | | | | | |
| | 29 | 15 | 60 | 1269 | 1.0 | | | | | | |
| | 35 | 16 | 50 | 2298 | 2.6 | | | | 40 | 56 | 2.3 |
| | 29 | 17 | 60 | 2442 | 2.1 | | | | | | |
| 22 | 20 | 80 | 2687 | 1.6 | | | | | | | |
| 18 | 23 | 100 | 2895 | 1.2 | | | | | | | |
| 0.12 (0.16HP) | 350 | 2.8 | 5 | 554 | 6.3 | 30 | 63 | 1.2 | | | |
| | 233 | 4.2 | 7.5 | 634 | 4.3 | | | | | | |
| | 175 | 5.4 | 10 | 698 | 3.3 | | | | | | |
| | 117 | 7.7 | 15 | 799 | 2.3 | | | | | | |
| | 88 | 9.7 | 20 | 880 | 1.8 | | | | | | |
| | 70 | 11 | 25 | 948 | 1.8 | | | | | | |
| | 58 | 13 | 30 | 1007 | 1.6 | | | | | | |
| | 44 | 15 | 40 | 1108 | 1.2 | | | | | | |
| | 35 | 19 | 50 | 1194 | 0.9 | | | | | | |
| | 88 | 10 | 20 | 1693 | 3.9 | | | | 40 | 63 | 2.3 |
| | 70 | 12 | 25 | 1824 | 3.0 | | | | | | |
| | 58 | 14 | 30 | 1938 | 3.3 | | | | | | |
| 44 | 17 | 40 | 2133 | 2.5 | | | | | | | |
| 35 | 21 | 50 | 2298 | 1.9 | 50 | 63 | 3.5 | | | | |
| 29 | 23 | 60 | 2442 | 1.6 | | | | | | | |
| 22 | 27 | 80 | 2687 | 1.2 | | | | | | | |
| 18 | 31 | 100 | 2895 | 0.9 | | | | | | | |
| 35 | 21 | 50 | 3153 | 3.5 | 30 | 63 | 1.2 | | | | |
| 29 | 23 | 60 | 3351 | 2.9 | | | | | | | |
| 22 | 29 | 80 | 3688 | 2.2 | | | | | | | |
| 18 | 33 | 100 | 3973 | 1.6 | | | | | | | |
| 0.18 (0.25HP) | 350 | 4.3 | 5 | 554 | 4.2 | 30 | 63 | 1.2 | | | |
| | 233 | 6.2 | 7.5 | 634 | 2.9 | | | | | | |
| | 175 | 8.1 | 10 | 698 | 2.2 | | | | | | |
| | 117 | 12 | 15 | 799 | 1.6 | | | | | | |



| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------|------------|---------|-----|---------|-----|--|---|--------|
| | 88 | 15 | 20 | 880 | 1.2 | | | |
| | 70 | 17 | 25 | 948 | 1.2 | | | |
| | 58 | 19 | 30 | 1007 | 1.1 | | | |
| | 117 | 12 | 15 | 1538 | 3.4 | | | |
| | 88 | 16 | 20 | 1693 | 2.6 | | | |
| | 70 | 19 | 25 | 1824 | 2.0 | | | |
| | 58 | 21 | 30 | 1938 | 2.2 | | | |
| | 44 | 26 | 40 | 2133 | 1.7 | | | |
| | 35 | 31 | 50 | 2298 | 1.3 | | | |
| | 29 | 34 | 60 | 2442 | 1.1 | | | |
| | 44 | 27 | 40 | 2927 | 2.9 | | | |
| | 35 | 31 | 50 | 3153 | 2.3 | | | |
| | 29 | 35 | 60 | 3351 | 1.9 | | | |
| | 22 | 43 | 80 | 3688 | 1.4 | | | |
| | 18 | 49 | 100 | 3973 | 1.1 | | | |
| 0.25 (0.34HP) | 350 | 6 | 5 | 1066 | 5.6 | | | |
| | 233 | 8.9 | 7.5 | 1221 | 4.5 | | | |
| | 175 | 12 | 10 | 1344 | 3.6 | | | |
| | 117 | 17 | 15 | 1538 | 2.5 | | | |
| | 88 | 22 | 20 | 1693 | 1.9 | | | |
| | 70 | 26 | 25 | 1824 | 1.4 | | | |
| | 58 | 29 | 30 | 1938 | 1.6 | | | |
| | 44 | 36 | 40 | 2133 | 1.2 | | | |
| | 88 | 22 | 20 | 2324 | 3.4 | | | |
| | 70 | 26 | 25 | 2503 | 2.6 | | | |
| | 58 | 30 | 30 | 2660 | 2.8 | | | |
| | 44 | 38 | 40 | 2927 | 2.1 | | | |
| | 35 | 43 | 50 | 3153 | 1.7 | | | |
| | 29 | 49 | 60 | 3351 | 1.4 | | | |
| | 22 | 60 | 80 | 3688 | 1.0 | | | |
| | 44 | 39 | 40 | 3827 | 3.6 | | | |
| | 35 | 47 | 50 | 4122 | 2.9 | | | |
| | 29 | 52 | 60 | 4380 | 2.4 | | | |
| | 22 | 64 | 80 | 4821 | 1.8 | | | |
| | 18 | 74 | 100 | 5193 | 1.5 | | | |
| | 29 | 55 | 60 | 5170 | 3.6 | | | |
| | 22 | 68 | 80 | 5691 | 2.7 | | | |
| | 18 | 78 | 100 | 6130 | 2.2 | | | |
| 0.37 (0.5HP) | 350 | 8.9 | 5 | 1066 | 3.8 | | | |
| | 233 | 13 | 7.5 | 1221 | 3.0 | | | |
| | 175 | 17 | 10 | 1344 | 2.4 | | | |
| | 117 | 25 | 15 | 1538 | 1.7 | | | |
| | 88 | 32 | 20 | 1693 | 1.3 | | | |
| | 70 | 38 | 25 | 1824 | 1.0 | | | |
| | 58 | 44 | 30 | 1938 | 1.1 | | | |
| | 175 | 18 | 10 | 1844 | 4.3 | | | |
| | 117 | 25 | 15 | 2111 | 3.1 | | | |
| | 88 | 32 | 20 | 2324 | 2.3 | | | |
| | 70 | 39 | 25 | 2503 | 1.7 | | | |
| | 58 | 44 | 30 | 2660 | 1.9 | | | |
| | 44 | 56 | 40 | 2927 | 1.4 | | | |
| | 35 | 64 | 50 | 3153 | 1.1 | | | |
| | 29 | 72 | 60 | 3351 | 0.9 | | | |
| | 70 | 40 | 25 | 3272 | 3.2 | | | |


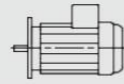


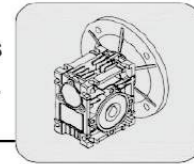
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------|------------|---------|-----|---------|-----|---|---|--------|
| | 58 | 46 | 30 | 3477 | 3.3 | | | |
| | 44 | 58 | 40 | 3827 | 2.5 | | | |
| | 35 | 69 | 50 | 4122 | 2.0 | | | |
| | 29 | 78 | 60 | 4380 | 1.6 | | | |
| | 22 | 95 | 80 | 4821 | 1.2 | | | |
| | 18 | 109 | 100 | 5193 | 1.0 | | | |
| | 44 | 60 | 40 | 4517 | 3.8 | | | |
| | 35 | 71 | 50 | 4865 | 3.0 | | | |
| | 29 | 82 | 60 | 5170 | 2.5 | | | |
| | 22 | 100 | 80 | 5691 | 1.8 | | | |
| | 18 | 115 | 100 | 6130 | 1.5 | | | |
| 0.55 (0.74P) | 350 | 13 | 5 | 1464 | 4.8 | | | |
| | 233 | 20 | 7.5 | 1676 | 3.7 | | | |
| | 175 | 26 | 10 | 1844 | 2.9 | | | |
| | 117 | 37 | 15 | 2111 | 2.1 | | | |
| | 88 | 48 | 20 | 2324 | 1.5 | | | |
| | 70 | 58 | 25 | 2503 | 1.2 | | | |
| | 58 | 66 | 30 | 2660 | 1.3 | | | |
| | 117 | 38 | 15 | 2759 | 3.7 | | | |
| | 88 | 50 | 20 | 3037 | 2.8 | | | |
| | 70 | 60 | 25 | 3272 | 2.1 | | | |
| | 58 | 69 | 30 | 3477 | 2.2 | | | |
| | 44 | 86 | 40 | 3827 | 1.7 | | | |
| | 35 | 102 | 50 | 4122 | 1.3 | | | |
| | 29 | 115 | 60 | 4380 | 1.1 | | | |
| | 22 | 142 | 80 | 4821 | 0.8 | | | |
| | 70 | 61 | 25 | 3862 | 3.3 | | | |
| | 58 | 70 | 30 | 4104 | 3.3 | | | |
| | 44 | 89 | 40 | 4517 | 2.6 | | | |
| | 35 | 106 | 50 | 4865 | 2.0 | | | |
| | 29 | 121 | 60 | 5170 | 1.7 | | | |
| | 22 | 149 | 80 | 5691 | 1.2 | | | |
| | 18 | 171 | 100 | 6130 | 1.0 | | | |
| | 44 | 92 | 40 | 4998 | 4.1 | | | |
| | 35 | 111 | 50 | 5383 | 3.2 | | | |
| | 29 | 128 | 60 | 5721 | 2.6 | | | |
| | 22 | 157 | 80 | 6297 | 1.7 | | | |
| | 18 | 184 | 100 | 6783 | 1.4 | | | |
| | 22 | 166 | 80 | 7956 | 2.9 | | | |
| | 18 | 196 | 100 | 8571 | 2.3 | | | |
| 0.75 (1HP) | 350 | 18 | 5 | 1464 | 3.5 | | | |
| | 233 | 27 | 7.5 | 1676 | 2.7 | | | |
| | 175 | 36 | 10 | 1844 | 2.1 | | | |
| | 117 | 51 | 15 | 2111 | 1.5 | | | |
| | 88 | 65 | 20 | 2324 | 1.1 | | | |
| | 70 | 79 | 25 | 2503 | 0.9 | | | |
| | 58 | 90 | 30 | 2660 | 0.9 | | | |
| | 175 | 36 | 10 | 2411 | 3.5 | | | |
| | 117 | 52 | 15 | 2759 | 2.7 | | | |
| | 88 | 68 | 20 | 3037 | 2.0 | | | |
| | 70 | 81 | 25 | 3272 | 1.6 | | | |
| | 58 | 93 | 30 | 3477 | 1.6 | | | |
| | 44 | 117 | 40 | 3827 | 1.2 | | | |
| | 35 | 140 | 50 | 4122 | 1.0 | | | |



Aluminum Worm Gear Units
Selection Tables [kW] HH....


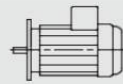
1750 Input Rpm

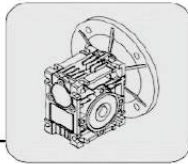
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-------------|------------|---------|-----|---------|-----|--|---|--------|
| | 117 | 53 | 15 | 3257 | 4.0 | 75 | 80 | 9 |
| | 88 | 68 | 20 | 3585 | 3.2 | | | |
| | 70 | 84 | 25 | 3862 | 2.4 | | | |
| | 58 | 95 | 30 | 4104 | 2.4 | | | |
| | 44 | 121 | 40 | 4517 | 1.9 | | | |
| | 35 | 145 | 50 | 4865 | 1.5 | | | |
| | 29 | 166 | 60 | 5170 | 1.2 | | | |
| | 22 | 203 | 80 | 5691 | 0.9 | | | |
| | 44 | 126 | 40 | 4998 | 3.0 | 90 | 80 | 13 |
| | 35 | 151 | 50 | 5383 | 2.3 | | | |
| | 29 | 174 | 60 | 5721 | 1.9 | | | |
| | 22 | 214 | 80 | 6297 | 1.3 | | | |
| | 18 | 250 | 100 | 6783 | 1.0 | | | |
| | 35 | 157 | 50 | 6803 | 4.0 | 110 | 80 | 21 |
| | 29 | 184 | 60 | 7229 | 3.2 | | | |
| | 22 | 226 | 80 | 7956 | 2.2 | | | |
| | 18 | 267 | 100 | 8571 | 1.7 | | | |
| 1.1 (1.5HP) | 350 | 27 | 5 | 1833 | 3.7 | | | |
| | 233 | 40 | 7.5 | 2190 | 3.0 | | | |
| | 175 | 52 | 10 | 2411 | 2.4 | | | |
| | 117 | 76 | 15 | 2759 | 1.8 | | | |
| | 88 | 99 | 20 | 3037 | 1.4 | | | |
| | 70 | 119 | 25 | 3272 | 1.1 | | | |
| | 58 | 137 | 30 | 3477 | 1.1 | | | |
| | 175 | 53 | 10 | 2845 | 3.5 | 75 | 90 | 9 |
| | 117 | 78 | 15 | 3257 | 2.8 | | | |
| | 88 | 100 | 20 | 3585 | 2.2 | | | |
| | 70 | 123 | 25 | 3862 | 1.6 | | | |
| | 58 | 140 | 30 | 4104 | 1.6 | | | |
| | 44 | 177 | 40 | 4517 | 1.3 | | | |
| | 35 | 212 | 50 | 4865 | 1.0 | | | |
| | 29 | 243 | 60 | 5170 | 0.8 | | | |
| | 88 | 103 | 20 | 3967 | 3.6 | 90 | 90 | 13 |
| | 70 | 126 | 25 | 4273 | 2.8 | | | |
| | 58 | 144 | 30 | 4541 | 2.9 | | | |
| | 44 | 185 | 40 | 4998 | 2.0 | | | |
| | 35 | 222 | 50 | 5383 | 1.6 | | | |
| | 29 | 255 | 60 | 5721 | 1.3 | | | |
| | 22 | 314 | 80 | 6297 | 0.9 | | | |
| | 44 | 192 | 40 | 6315 | 3.5 | | | |
| | 35 | 231 | 50 | 6803 | 2.7 | 110 | 90 | 21 |
| | 29 | 269 | 60 | 7229 | 2.2 | | | |
| | 22 | 332 | 80 | 7956 | 1.5 | | | |
| | 18 | 391 | 100 | 8571 | 1.2 | | | |
| | 22 | 331 | 80 | 10406 | 2.4 | | | |
| | 18 | 391 | 100 | 11210 | 1.8 | | | |
| 1.5 (2HP) | 350 | 37 | 5 | 1833 | 2.7 | 63 | 90 | 6.2 |
| | 233 | 55 | 7.5 | 2190 | 2.2 | | | |
| | 175 | 71 | 10 | 2411 | 1.8 | | | |
| | 117 | 104 | 15 | 2759 | 1.3 | | | |
| | 88 | 135 | 20 | 3037 | 1.0 | | | |
| | 233 | 55 | 7.5 | 2585 | 3.2 | | | |
| | 175 | 72 | 10 | 2845 | 2.6 | | | |
| | 117 | 106 | 15 | 3257 | 2.0 | | | |



Aluminum Worm Gear Units
Selection Tables [kW] HH....


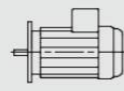
1750 Input Rpm

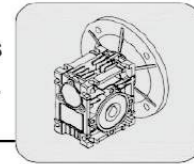
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-----------|------------|---------|-----|---------|-----|---|---|--------|
| | 88 | 137 | 20 | 3585 | 1.6 | 75 | 90 | 9 |
| | 70 | 167 | 25 | 3862 | 1.2 | | | |
| | 58 | 191 | 30 | 4104 | 1.2 | | | |
| | 44 | 242 | 40 | 4517 | 0.9 | | | |
| | 117 | 107 | 15 | 3604 | 3.5 | | | |
| | 88 | 140 | 20 | 3967 | 2.6 | 90 | 90 | 13 |
| | 70 | 171 | 25 | 4273 | 2.1 | | | |
| | 58 | 196 | 30 | 4541 | 2.1 | | | |
| | 44 | 252 | 40 | 4998 | 1.5 | | | |
| | 35 | 303 | 50 | 5383 | 1.2 | | | |
| | 29 | 348 | 60 | 5721 | 1.0 | | | |
| | 70 | 175 | 25 | 5399 | 3.7 | 110 | 90 | 21 |
| | 58 | 199 | 30 | 5737 | 3.5 | | | |
| | 44 | 261 | 40 | 6315 | 2.6 | | | |
| | 35 | 315 | 50 | 6803 | 2.0 | | | |
| | 29 | 367 | 60 | 7229 | 1.6 | | | |
| | 22 | 453 | 80 | 7956 | 1.1 | | | |
| | 18 | 534 | 100 | 8571 | 0.9 | | | |
| 2.2 (3HP) | 233 | 81 | 7.5 | 2585 | 2.2 | 75 | 100 | 9 |
| | 175 | 106 | 10 | 2845 | 1.8 | | | |
| | 117 | 156 | 15 | 3257 | 1.4 | | | |
| | 88 | 201 | 20 | 3585 | 1.1 | | | |
| | 70 | 246 | 25 | 3862 | 0.8 | | | |
| | 58 | 280 | 30 | 4104 | 0.8 | | | |
| | 233 | 81 | 7.5 | 2860 | 3.7 | 90 | 100 | 13 |
| | 175 | 107 | 10 | 3148 | 3.0 | | | |
| | 117 | 157 | 15 | 3604 | 2.4 | | | |
| | 88 | 206 | 20 | 3967 | 1.8 | | | |
| | 70 | 251 | 25 | 4273 | 1.4 | | | |
| | 58 | 287 | 30 | 4541 | 1.4 | | | |
| | 44 | 369 | 40 | 4998 | 1.0 | | | |
| | 117 | 158 | 15 | 4554 | 4.0 | | | |
| | 88 | 208 | 20 | 5012 | 2.9 | 110 | 100 | 21 |
| | 70 | 257 | 25 | 5399 | 2.5 | | | |
| | 58 | 292 | 30 | 5737 | 2.4 | | | |
| | 44 | 383 | 40 | 6315 | 1.7 | | | |
| | 35 | 461 | 50 | 6803 | 1.4 | | | |
| | 29 | 538 | 60 | 7229 | 1.1 | | | |
| | 70 | 255 | 25 | 7062 | 3.5 | 130 | 100 | 43.5 |
| | 58 | 292 | 30 | 7504 | 3.4 | | | |
| | 44 | 380 | 40 | 8260 | 2.6 | | | |
| | 35 | 456 | 50 | 8897 | 2.0 | | | |
| | 29 | 525 | 60 | 9455 | 1.6 | | | |
| | 22 | 662 | 80 | 10406 | 1.2 | | | |
| | 18 | 781 | 100 | 11210 | 0.9 | | | |
| | 35 | 462 | 50 | 12163 | 2.9 | | | |
| | 29 | 533 | 60 | 12926 | 2.2 | 150 | 100 | 77 |
| | 22 | 662 | 80 | 14226 | 1.7 | | | |
| | 18 | 780 | 100 | 15325 | 1.2 | | | |
| | 233 | 110 | 7.5 | 2585 | 1.6 | | | |
| 3 (4HP) | 233 | 110 | 7.5 | 2585 | 1.6 | 75 | 100 | 9 |
| | 175 | 145 | 10 | 2845 | 1.3 | | | |
| | 117 | 213 | 15 | 3257 | 1.0 | | | |
| | 233 | 111 | 7.5 | 2860 | 2.7 | | | |
| | 175 | 146 | 10 | 3148 | 2.2 | | | |



Aluminum Worm Gear Units
Selection Tables [kW] HH....


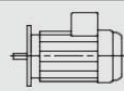
1750 Input Rpm

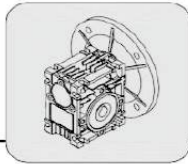
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|------------------|------------|---------|-----|---------|-------|--|---|-------------|
| | 117 | 214 | 15 | 3604 | 1.8 | 90 | 100 | 13 |
| | 88 | 280 | 20 | 3967 | 1.3 | | | |
| | 70 | 342 | 25 | 4273 | 1.0 | | | |
| | 58 | 392 | 30 | 4541 | 1.0 | | | |
| | 175 | 146 | 10 | 3978 | 3.9 | 110 | 100 | 21 |
| | 117 | 215 | 15 | 4554 | 2.9 | | | |
| | 88 | 284 | 20 | 5012 | 2.2 | | | |
| | 70 | 351 | 25 | 5399 | 1.8 | | | |
| | 58 | 398 | 30 | 5737 | 1.7 | | | |
| | 44 | 522 | 40 | 6315 | 1.3 | | | |
| | 35 | 629 | 50 | 6803 | 1.0 | | | |
| | | 70 | 348 | 25 | 7062 | | | |
| | 58 | 398 | 30 | 7504 | 2.5 | 130 | 100 | 43.5 |
| | 44 | 518 | 40 | 8260 | 1.9 | | | |
| | 35 | 622 | 50 | 8897 | 1.5 | | | |
| | 29 | 716 | 60 | 9455 | 1.2 | | | |
| | 22 | 903 | 80 | 10406 | 0.9 | | | |
| | | 35 | 630 | 50 | 12163 | | | |
| | 29 | 727 | 60 | 12926 | 1.6 | 150 | 100 | 77 |
| | 22 | 903 | 80 | 14226 | 1.2 | | | |
| | 18 | 1063 | 100 | 15325 | 0.9 | | | |
| | | | | | | | | |
| 4 (5.4HP) | 233 | 147 | 7.5 | 2585 | 1.2 | 75 | 112 | 9 |
| | 175 | 193 | 10 | 2845 | 1.0 | | | |
| | 233 | 148 | 7.5 | 2860 | 2.0 | | | |
| | 175 | 195 | 10 | 3148 | 1.7 | | | |
| | 117 | 286 | 15 | 3604 | 1.3 | | | |
| | 88 | 374 | 20 | 3967 | 1.0 | 90 | 112 | 13 |
| | 233 | 148 | 7.5 | 3614 | 3.5 | | | |
| | 175 | 195 | 10 | 3978 | 2.9 | | | |
| | 117 | 287 | 15 | 4554 | 2.2 | | | |
| | 88 | 378 | 20 | 5012 | 1.6 | | | |
| | 70 | 467 | 25 | 5399 | 1.4 | | | |
| | 58 | 530 | 30 | 5737 | 1.3 | | | |
| | 44 | 697 | 40 | 6315 | 1.0 | | | |
| | 70 | 464 | 25 | 7062 | 1.9 | 110 | 112 | 21 |
| | 58 | 530 | 30 | 7504 | 1.9 | | | |
| | 44 | 691 | 40 | 8260 | 1.4 | | | |
| | 35 | 829 | 50 | 8897 | 1.1 | | | |
| | 29 | 955 | 60 | 9455 | 0.9 | | | |
| | | 35 | 840 | 50 | 12163 | | | |
| | 29 | 969 | 60 | 12926 | 1.2 | 130 | 112 | 43.5 |
| | 22 | 1204 | 80 | 14226 | 0.9 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | 35 | 840 | 50 | 12163 | 1.6 | 130 | 112 | 43.5 |
| | 29 | 969 | 60 | 12926 | 1.2 | | | |
| | 22 | 1204 | 80 | 14226 | 0.9 | | | |
| | | | | | | | | |
| | 29 | 969 | 60 | 12926 | 1.2 | 150 | 112 | 77 |
| | 22 | 1204 | 80 | 14226 | 0.9 | | | |
| | | | | | | | | |
| | | | | | | | | |


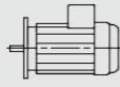


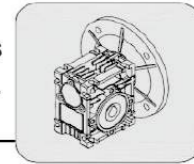
Aluminum Worm Gear Units
Selection Tables [kW] HH....

1750 Input Rpm



| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------|------------|---------|-----|---------|-----|---|---|-------------|
| 5.5 (7.4HP) | 233 | 203 | 7.5 | 3614 | 2.6 | 110 | 132S | 21 |
| | 175 | 268 | 10 | 3978 | 2.1 | | | |
| | 117 | 394 | 15 | 4554 | 1.6 | | | |
| | 88 | 520 | 20 | 5012 | 1.2 | | | |
| | 70 | 643 | 25 | 5399 | 1.0 | | | |
| | 58 | 729 | 30 | 5737 | 0.9 | | | |
| | 175 | 267 | 10 | 5203 | 2.9 | 130 | 132S | 43.5 |
| | 117 | 392 | 15 | 5956 | 2.2 | | | |
| | 88 | 522 | 20 | 6556 | 1.7 | | | |
| | 70 | 637 | 25 | 7062 | 1.4 | | | |
| | 58 | 729 | 30 | 7504 | 1.4 | | | |
| | 44 | 950 | 40 | 8260 | 1.1 | | | |
| | 88 | 522 | 20 | 8962 | 2.4 | | | |
| | 70 | 638 | 25 | 9654 | 1.8 | | | |
| | 58 | 756 | 30 | 10259 | 1.5 | | | |
| | 44 | 949 | 40 | 11292 | 1.6 | | | |
| | 35 | 1156 | 50 | 12163 | 1.2 | 150 | 132S | 77 |
| | 29 | 1333 | 60 | 12926 | 0.9 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 7.5 (10HP) | 233 | 277 | 7.5 | 3614 | 1.9 | 110 | 132M | 21 |
| | 175 | 366 | 10 | 3978 | 1.6 | | | |
| | 117 | 538 | 15 | 4554 | 1.2 | | | |
| | 88 | 709 | 20 | 5012 | 0.9 | | | |
| | 233 | 279 | 7.5 | 4727 | 2.6 | | | |
| | 175 | 364 | 10 | 5203 | 2.1 | | | |
| | 117 | 534 | 15 | 5956 | 1.6 | 130 | 132M | 43.5 |
| | 88 | 712 | 20 | 6556 | 1.2 | | | |
| | 70 | 869 | 25 | 7062 | 1.0 | | | |
| | 58 | 995 | 30 | 7504 | 1.0 | | | |
| | 44 | 1295 | 40 | 8260 | 0.8 | | | |
| | 88 | 712 | 20 | 8962 | 1.7 | | | |
| | 70 | 870 | 25 | 9654 | 1.3 | | | |
| | 58 | 1031 | 30 | 10259 | 1.1 | | | |
| | 44 | 1294 | 40 | 11292 | 1.1 | | | |
| | 35 | 1576 | 50 | 12163 | 0.8 | | | |
| | 58 | 1031 | 30 | 10259 | 1.1 | 150 | 132M | 77 |
| | 44 | 1294 | 40 | 11292 | 1.1 | | | |
| | 35 | 1576 | 50 | 12163 | 0.8 | | | |
| | | | | | | | | |

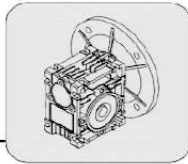




| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------------|------------|---------|-----|---------|-----|--|---|-----------|
| 11 (15HP) | 233 | 410 | 7.5 | 6463 | 2.8 | 150 | 160M | 77 |
| | 175 | 540 | 10 | 7113 | 2.2 | | | |
| | 117 | 792 | 15 | 8143 | 1.5 | | | |
| | 88 | 1044 | 20 | 8962 | 1.2 | | | |
| | 70 | 1276 | 25 | 9654 | 0.9 | | | |
| 15 (20HP) | 233 | 559 | 7.5 | 6463 | 2.0 | 150 | 160L | 77 |
| | 175 | 737 | 10 | 7113 | 1.6 | | | |
| | 117 | 1080 | 15 | 8143 | 1.1 | | | |
| | 88 | 1424 | 20 | 8962 | 0.9 | | | |

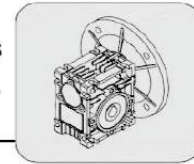




3.1.2 H+PC 選型表 Input Flange+PC Type

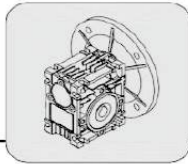
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-------------------------|-------------|---------|-------|---------|-----|---|---|------------|
| 0.12 (0.16HP) | 25.6 | 34 | 68.25 | 2630 | 1.4 | 40 | PC063 | 3.4 |
| | 21.4 | 37 | 81.9 | 2796 | 1.4 | | | |
| | 16 | 46 | 109.2 | 3077 | 1.1 | | | |
| | 12.8 | 53 | 136.5 | 3240 | 0.8 | | | |
| | 10.7 | 59 | 163.8 | 3240 | 0.7 | | | |
| | 12.8 | 55 | 136.5 | 4494 | 1.6 | | | |
| | 10.7 | 60 | 163.8 | 4494 | 1.3 | | | |
| | 8 | 70 | 218.4 | 4494 | 1.0 | | | |
| | 6.4 | 78 | 273 | 4494 | 0.8 | | | |
| | 8 | 74 | 218.4 | 5822 | 1.8 | | | |
| 6.4 | 82 | 273 | 5822 | 1.4 | | | | |
| 0.18 (0.25HP) | 25.6 | 51 | 68.25 | 2630 | 1.0 | 40 | PC063 | 3.4 |
| | 21.4 | 56 | 81.9 | 2796 | 1.0 | | | |
| | 16 | 68 | 109.2 | 3077 | 0.7 | | | |
| | 25.6 | 51 | 68.25 | 3611 | 1.7 | | | |
| | 21.4 | 57 | 81.9 | 3837 | 1.8 | | | |
| | 16 | 70 | 109.2 | 4223 | 1.3 | | | |
| | 12.8 | 81 | 136.5 | 4494 | 1.1 | | | |
| | 10.7 | 90 | 163.8 | 4494 | 0.8 | | | |
| | 8 | 106 | 218.4 | 4494 | 0.7 | | | |
| | 12.8 | 83 | 136.5 | 5822 | 2.0 | | | |
| 10.7 | 93 | 163.8 | 5822 | 1.7 | | | | |
| 8 | 111 | 218.4 | 5822 | 1.2 | | | | |
| 6.4 | 124 | 273 | 5822 | 1.0 | | | | |
| 0.22 (0.3HP) | 25.6 | 62 | 68.25 | 3611 | 1.4 | 50 | PC063 | 4.6 |
| | 21.4 | 69 | 81.9 | 3837 | 1.4 | | | |
| | 16 | 85 | 109.2 | 4223 | 1.1 | | | |
| | 12.8 | 101 | 136.5 | 5822 | 1.7 | | | |
| | 10.7 | 114 | 163.8 | 5822 | 1.3 | | | |
| | 6.4 | 124 | 273 | 5822 | 1.0 | | | |
| 0.25 (0.34HP) | 25.6 | 70 | 68.25 | 3611 | 1.2 | 50 | PC071 | 5.1 |
| | 21.4 | 78 | 81.9 | 3837 | 1.3 | | | |
| | 16 | 97 | 109.2 | 4223 | 1.0 | | | |
| | 25.6 | 73 | 68.25 | 4720 | 2.2 | | | |





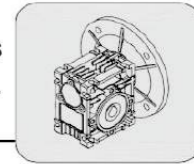
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------------|------------|---------|-------|---------|-----|--|---|-------------|
| | 21.4 | 80 | 81.9 | 5015 | 2.4 | 63 | PC071 | 7.8 |
| | 16 | 100 | 109.2 | 5520 | 1.8 | | | |
| | 12.8 | 115 | 136.5 | 5822 | 1.4 | | | |
| | 10.7 | 129 | 163.8 | 5822 | 1.2 | | | |
| | 8 | 154 | 218.4 | 5822 | 0.8 | | | |
| | 6.4 | 171 | 273 | 5822 | 0.7 | | | |
| | 12.8 | 122 | 136.5 | 6852 | 2.0 | 75 | PC071 | 10.6 |
| | 10.7 | 137 | 163.8 | 6852 | 1.7 | | | |
| | 8 | 161 | 218.4 | 6852 | 1.3 | | | |
| | 6.4 | 183 | 273 | 6852 | 1.1 | | | |
| | 12.8 | 122 | 136.5 | 6852 | 2.0 | | | |
| 0.37 (0.5HP) | 25.6 | 107 | 68.25 | 4720 | 1.4 | 63 | PC071 | 7.8 |
| | 21.4 | 118 | 81.9 | 5015 | 1.7 | | | |
| | 16 | 148 | 109.2 | 5520 | 1.2 | | | |
| | 12.8 | 171 | 136.5 | 5822 | 1.0 | | | |
| | 25.6 | 111 | 68.25 | 5571 | 2.2 | | | |
| | 21.4 | 123 | 81.9 | 5919 | 2.3 | | | |
| | 16 | 153 | 109.2 | 6515 | 1.8 | 75 | PC071 | 10.6 |
| | 12.8 | 179 | 136.5 | 6852 | 1.3 | | | |
| | 10.7 | 202 | 163.8 | 6852 | 1.1 | | | |
| | 10.7 | 213 | 163.8 | 7595 | 1.8 | | | |
| | 8 | 257 | 218.4 | 7595 | 1.3 | | | |
| | 6.4 | 296 | 273 | 7595 | 1.1 | | | |
| 0.55 (0.75HP) | 25.6 | 160 | 68.25 | 4720 | 1.0 | 63 | PC071 | 7.8 |
| | 21.4 | 175 | 81.9 | 5015 | 1.1 | | | |
| | 25.6 | 164 | 68.25 | 5571 | 1.4 | 75 | PC071 | 10.6 |
| | 21.4 | 184 | 81.9 | 5919 | 1.6 | | | |
| | 16 | 227 | 109.2 | 6515 | 1.2 | | | |
| | 25 | 164 | 70 | 5571 | 1.4 | | | |
| | 20.8 | 185 | 84 | 5919 | 1.6 | 75 | PC080 | 12.4 |
| | 15.6 | 228 | 112 | 6515 | 1.2 | | | |
| | 12.5 | 266 | 140 | 6852 | 1.0 | | | |
| | 20.8 | 193 | 84 | 6550 | 2.8 | | | |
| | 15.6 | 238 | 112 | 7209 | 1.9 | | | |





| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------------|------------|---------|-------|---------|-----|---|---|-------------|
| | 12.5 | 284 | 140 | 7595 | 1.6 | 90 | PC080 | 16.4 |
| | 10.4 | 318 | 168 | 7595 | 1.2 | | | |
| | 10.4 | 339 | 168 | 9582 | 2.2 | | | |
| | 7.8 | 414 | 224 | 9582 | 1.6 | 110 | PC080 | 38.4 |
| | 6.3 | 474 | 280 | 9582 | 1.2 | | | |
| 0.75 (1HP) | 25 | 224 | 70 | 5571 | 1.1 | 75 | PC080 | 12.4 |
| | 20.8 | 251 | 84 | 5919 | 1.2 | | | |
| | 20.8 | 263 | 84 | 6550 | 2.0 | 90 | PC080 | 16.4 |
| | 15.6 | 325 | 112 | 7209 | 1.4 | | | |
| | 12.5 | 386 | 140 | 7595 | 1.1 | | | |
| | 10.4 | 433 | 168 | 7595 | 0.8 | | | |
| | 15.6 | 345 | 112 | 9110 | 2.6 | | | |
| | 12.5 | 405 | 140 | 9582 | 2.0 | 110 | PC080 | 38.4 |
| | 10.4 | 463 | 168 | 9582 | 1.6 | | | |
| | 7.8 | 565 | 224 | 9582 | 1.1 | | | |
| | 7.8 | 575 | 224 | 12535 | 1.7 | 130 | PC080 | 51.4 |
| | 6.3 | 645 | 280 | 12535 | 1.3 | | | |
| 0.92 (1.24HP) | 25 | 275 | 70 | 5571 | 0.8 | 75 | PC080 | 12.4 |
| | 20.8 | 308 | 84 | 5919 | 1.0 | | | |
| | 20.8 | 322 | 84 | 6550 | 1.7 | 90 | PC080 | 16.4 |
| | 15.6 | 398 | 112 | 7209 | 1.2 | | | |
| | 12.5 | 474 | 140 | 7595 | 1.0 | | | |
| | 25 | 294 | 70 | 7788 | 3.0 | | | |
| | 15.6 | 422 | 112 | 9110 | 2.2 | | | |
| | 12.5 | 497 | 140 | 9582 | 1.7 | 110 | PC080 | 38.4 |
| | 10.4 | 568 | 168 | 9582 | 1.3 | | | |
| | 10.4 | 568 | 168 | 12535 | 1.8 | | | |
| | 7.8 | 706 | 224 | 12535 | 1.3 | 130 | PC080 | 51.4 |
| | 6.3 | 792 | 280 | 12535 | 1.1 | | | |
| 1.1 (1.5HP) | 23.8 | 313 | 73.5 | 7705 | 3.0 | 110 | PC090 | 38.4 |
| | 17.9 | 406 | 98 | 8480 | 2.2 | | | |
| | 14.3 | 478 | 122.5 | 9135 | 1.8 | | | |
| | 11.9 | 548 | 147 | 9582 | 1.3 | | | |

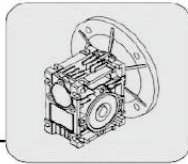


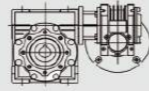
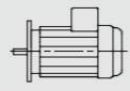
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|------------------|------------|---------|-------|---------|-----|--|---|--------|
| 8.9 | 661 | 196 | 9582 | 1.0 | | | | |
| 23.8 | 318 | 73.5 | 10077 | 4.2 | | | | |
| 17.9 | 406 | 98 | 11091 | 3.1 | | | | |
| 14.3 | 485 | 122.5 | 11948 | 2.4 | | | | |
| 11.9 | 548 | 147 | 12535 | 1.9 | | 130 | PC090 | 51.4 |
| 8.9 | 673 | 196 | 12535 | 1.4 | | | | |
| 7.1 | 772 | 245 | 12535 | 1.1 | | | | |
| 1.5 (2HP) | 23.8 | 427 | 73.5 | 7705 | 2.3 | | | |
| 17.9 | 554 | 98 | 8480 | 1.6 | | 110 | PC090 | 38.4 |
| 14.3 | 651 | 122.5 | 9135 | 1.3 | | | | |
| 11.9 | 747 | 147 | 9582 | 1.0 | | | | |
| 23.8 | 433 | 73.5 | 10077 | 3.1 | | | | |
| 17.9 | 554 | 98 | 11091 | 2.3 | | | | |
| 14.3 | 662 | 122.5 | 11948 | 1.8 | | 130 | PC090 | 51.4 |
| 11.9 | 747 | 147 | 12535 | 1.3 | | | | |
| 8.9 | 917 | 196 | 12535 | 1.0 | | | | |
| 1.84 (2.48HP) | 23.8 | 524 | 73.5 | 7705 | 1.8 | | | |
| 17.9 | 679 | 98 | 8480 | 1.3 | | 110 | PC090 | 38.4 |
| 14.3 | 799 | 122.5 | 9135 | 1.1 | | | | |
| 23.8 | 531 | 73.5 | 10077 | 2.5 | | | | |
| 17.9 | 679 | 98 | 11091 | 1.8 | | 130 | PC090 | 51.4 |
| 14.3 | 812 | 122.5 | 11948 | 1.4 | | | | |
| 11.9 | 916 | 147 | 12535 | 1.1 | | | | |

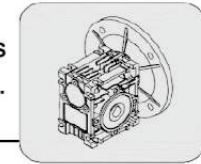


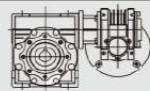
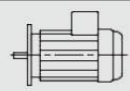
3.1.3 Double Reduction+Motor 選型表 Input Flange Type(Double Reduction)

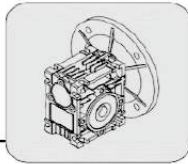
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|------------------|------------|---------|------|---------|-----|---|---|--------|
| 0.06 (0.08HP) | 17.5 | 21 | 100 | 2769 | 3.3 | | | |
| 11.7 | 29 | 150 | 3169 | 2.5 | | | | |
| 8.8 | 39 | 200 | 3488 | 1.7 | | | | |
| 7 | 42 | 250 | 3490 | 1.3 | | 30-40 | 56 | 3.5 |
| 5.8 | 51 | 300 | 3490 | 1.5 | | | | |
| 4.4 | 62 | 400 | 3490 | 1.2 | | | | |
| 8.8 | 38 | 200 | 4788 | 3.2 | | | | |
| 7 | 44 | 250 | 4840 | 2.5 | | | | |
| 5.8 | 50 | 300 | 4840 | 3.0 | | | | |
| 4.4 | 59 | 400 | 4840 | 2.2 | | | | |
| 3.5 | 72 | 500 | 4840 | 1.8 | | 30-50 | 56 | 4.7 |
| 2.9 | 86 | 600 | 4840 | 1.7 | | | | |
| 2.3 | 103 | 750 | 4840 | 1.5 | | | | |
| 1.9 | 122 | 900 | 4840 | 1.2 | | | | |
| 1.5 | 139 | 1200 | 4840 | 1.0 | | | | |
| 1.2 | 163 | 1500 | 4840 | 0.8 | | | | |
| 4.4 | 61 | 400 | 6270 | 4.2 | | | | |
| 3.5 | 71 | 500 | 6270 | 3.3 | | | | |
| 2.9 | 86 | 600 | 6270 | 3.0 | | | | |
| 2.3 | 103 | 750 | 6270 | 2.7 | | | | |
| 1.9 | 124 | 900 | 6270 | 2.3 | | | | |
| 1.5 | 145 | 1200 | 6270 | 1.8 | | 30-63 | 56 | 7.4 |
| 1.2 | 152 | 1500 | 6270 | 1.7 | | | | |
| 1 | 186 | 1800 | 6270 | 1.5 | | | | |
| 0.7 | 262 | 2400 | 6270 | 1.2 | | | | |
| 0.6 | 295 | 3000 | 6270 | 0.8 | | | | |
| 3.5 | 82 | 500 | 3800 | 1.7 | | | | |
| 2.9 | 99 | 600 | 4840 | 1.5 | | | | |
| 2.3 | 120 | 750 | 4840 | 1.3 | | 40-50 | 56 | 5.8 |
| 1.9 | 136 | 900 | 4350 | 1.0 | | | | |
| 1.2 | 174 | 1500 | 6270 | 1.5 | | | | |
| 1 | 217 | 1800 | 6270 | 1.3 | | 40-63 | 56 | 8.5 |
| 0.7 | 262 | 2400 | 6270 | 1.0 | | | | |
| 1.2 | 182 | 1500 | 7380 | 2.2 | | | | |
| 1 | 213 | 1800 | 7380 | 2.0 | | | | |
| 0.7 | 304 | 2400 | 7380 | 1.5 | | | | |
| 0.6 | 307 | 3000 | 7380 | 1.2 | | 40-75 | 56 | 11.3 |
| 0.4 | 442 | 4000 | 7380 | 1.0 | | | | |
| 0.4 | 414 | 5000 | 7380 | 0.8 | | | | |
| 1.2 | 197 | 1500 | 8180 | 3.3 | | | | |

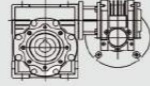
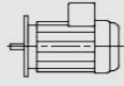


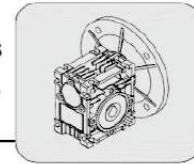
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------|------------|---------|------|---------|-----|--|---|-------------|
| | 1 | 240 | 1800 | 8180 | 3.0 | | | |
| | 0.7 | 314 | 2400 | 8180 | 2.2 | 40-90 | 56 | 15.3 |
| | 0.6 | 350 | 3000 | 8180 | 1.7 | | | |
| | 0.4 | 480 | 4000 | 8180 | 1.3 | | | |
| | 0.4 | 420 | 5000 | 8180 | 1.2 | | | |
| | 0.4 | 420 | 5000 | 8180 | 1.2 | | | |
| 0.09 (0.12HP) | 17.5 | 32 | 100 | 2769 | 2.2 | 30-40 | 56 | 3.5 |
| | 11.7 | 43 | 150 | 3169 | 1.7 | | | |
| | 8.8 | 58 | 200 | 3488 | 1.1 | | | |
| | 7 | 63 | 250 | 3490 | 0.9 | | | |
| | 5.8 | 76 | 300 | 3490 | 1.0 | | | |
| | 17.5 | 32 | 100 | 3800 | 4.2 | 30-50 | 56 | 4.7 |
| | 11.7 | 44 | 150 | 4350 | 3.0 | | | |
| | 8.8 | 57 | 200 | 4788 | 2.1 | | | |
| | 7 | 66 | 250 | 4840 | 1.7 | | | |
| | 5.8 | 76 | 300 | 4840 | 2.0 | | | |
| | 4.4 | 89 | 400 | 4840 | 1.4 | | | |
| | 3.5 | 108 | 500 | 4840 | 1.2 | | | |
| | 2.9 | 129 | 600 | 4840 | 1.1 | | | |
| | 2.3 | 154 | 750 | 4840 | 1.0 | | | |
| | 1.9 | 183 | 900 | 4840 | 0.8 | | | |
| | 7 | 69 | 250 | 6270 | 3.3 | 30-63 | 56 | 7.4 |
| | 5.8 | 72 | 300 | 6270 | 3.7 | | | |
| | 4.4 | 91 | 400 | 6270 | 2.8 | | | |
| | 3.5 | 106 | 500 | 6270 | 2.2 | | | |
| | 2.9 | 129 | 600 | 6270 | 2.0 | | | |
| | 2.3 | 155 | 750 | 6270 | 1.8 | | | |
| | 1.9 | 187 | 900 | 6270 | 1.6 | | | |
| | 1.5 | 217 | 1200 | 6270 | 1.2 | | | |
| | 1.2 | 229 | 1500 | 6270 | 1.1 | | | |
| | 1 | 279 | 1800 | 6270 | 1.0 | | | |
| | 3.5 | 123 | 500 | 3800 | 1.1 | | | |
| | 1.2 | 261 | 1500 | 6270 | 1.0 | 40-63 | 56 | 8.5 |
| | 1.2 | 272 | 1500 | 7380 | 1.4 | 40-75 | 56 | 11.3 |
| | 1 | 320 | 1800 | 7380 | 1.3 | | | |
| | 0.7 | 456 | 2400 | 7380 | 1.0 | | | |
| | 0.6 | 525 | 3000 | 8180 | 1.1 | 40-90 | 56 | 15.3 |
| | 0.4 | 720 | 4000 | 8180 | 0.9 | | | |
| | 0.4 | 720 | 4000 | 8180 | 0.9 | | | |
| 0.12 (0.16HP) | 17.5 | 42 | 100 | 3800 | 3.2 | | | |
| | 11.7 | 59 | 150 | 4350 | 2.3 | | | |
| | 8.8 | 76 | 200 | 4788 | 1.6 | | | |

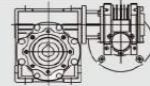
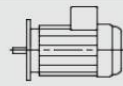


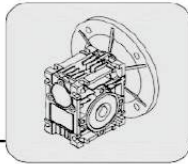
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|---------|------------|---------|------|---------|-----|---|---|-------------|--------------|-----------|------------|
| | 7 | 88 | 250 | 4840 | 1.3 | 30-50 | 63 | 4.7 | | | |
| | 5.8 | 101 | 300 | 4840 | 1.5 | | | | | | |
| | 4.4 | 118 | 400 | 4840 | 1.1 | | | | | | |
| | 3.5 | 144 | 500 | 4840 | 0.9 | | | | | | |
| | 3.5 | 144 | 500 | 4840 | 0.9 | | | | | | |
| | 17.5 | 42 | 100 | 4967 | 3.3 | 30-63 | 63 | 7.4 | | | |
| | 11.7 | 59 | 150 | 5686 | 3.3 | | | | | | |
| | 8.8 | 75 | 200 | 6259 | 3.3 | | | | | | |
| | 7 | 92 | 250 | 6270 | 2.5 | | | | | | |
| | 5.8 | 95 | 300 | 6270 | 2.8 | | | | | | |
| | 4.4 | 122 | 400 | 6270 | 2.1 | | | | | | |
| | 3.5 | 142 | 500 | 6270 | 1.7 | | | | | | |
| | 2.9 | 172 | 600 | 6270 | 1.5 | | | | | | |
| | 2.3 | 207 | 750 | 6270 | 1.3 | | | | | | |
| | 1.9 | 249 | 900 | 6270 | 1.2 | | | | | | |
| | 1.5 | 289 | 1200 | 6270 | 0.9 | | | | | | |
| | 17.5 | 44 | 100 | 3800 | 3.1 | 40-50 | 63 | 5.8 | | | |
| | 11.7 | 61 | 150 | 4350 | 2.3 | | | | | | |
| | 8.8 | 76 | 200 | 4788 | 1.6 | | | | | | |
| | 7 | 88 | 250 | 4840 | 1.3 | | | | | | |
| | 5.8 | 101 | 300 | 4840 | 1.4 | | | | | | |
| | 4.4 | 118 | 400 | 4840 | 1.0 | | | | | | |
| | 11.7 | 62 | 150 | 5686 | 4.2 | | | | 40-63 | 63 | 8.5 |
| | 8.8 | 78 | 200 | 6259 | 3.3 | | | | | | |
| | 7 | 92 | 250 | 6270 | 2.5 | | | | | | |
| | 5.8 | 101 | 300 | 6270 | 2.7 | | | | | | |
| | 4.4 | 122 | 400 | 6270 | 2.1 | | | | | | |
| | 3.5 | 171 | 500 | 6270 | 1.3 | | | | | | |
| | 2.9 | 184 | 600 | 6270 | 1.4 | | | | | | |
| | 2.3 | 244 | 750 | 6270 | 1.2 | | | | | | |
| | 1.9 | 274 | 900 | 6270 | 1.1 | | | | | | |
| | 7 | 96 | 250 | 7380 | 3.9 | 40-75 | 63 | 11.3 | | | |
| | 5.8 | 108 | 300 | 7380 | 4.2 | | | | | | |
| | 4.4 | 132 | 400 | 7380 | 3.2 | | | | | | |
| | 3.5 | 147 | 500 | 7380 | 2.4 | | | | | | |
| | 2.9 | 201 | 600 | 7380 | 2.3 | | | | | | |
| | 2.3 | 245 | 750 | 7380 | 1.8 | | | | | | |
| | 1.9 | 280 | 900 | 7380 | 1.7 | | | | | | |
| | 1.5 | 328 | 1200 | 7380 | 1.3 | | | | | | |
| | 1.2 | 363 | 1500 | 7380 | 1.1 | | | | | | |
| | 1 | 426 | 1800 | 7380 | 1.0 | | | | | | |

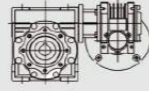
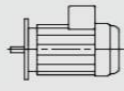


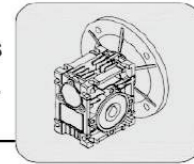
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|-----------------|------------|---------|------|---------|-----|--|---|-------------|--------------|-----------|------------|
| | 3.5 | 163 | 500 | 8180 | 3.5 | 40-90 | 63 | 15.3 | | | |
| | 2.9 | 208 | 600 | 8180 | 3.3 | | | | | | |
| | 2.3 | 257 | 750 | 8180 | 2.8 | | | | | | |
| | 1.9 | 295 | 900 | 8180 | 2.5 | | | | | | |
| | 1.5 | 354 | 1200 | 8180 | 2.0 | | | | | | |
| | 1.2 | 394 | 1500 | 8180 | 1.7 | | | | | | |
| | 1 | 480 | 1800 | 8180 | 1.5 | | | | | | |
| | 0.7 | 627 | 2400 | 8180 | 1.1 | | | | | | |
| | 1.5 | 354 | 1200 | 8180 | 1.9 | 50-90 | 63 | 16.5 | | | |
| | 1.2 | 394 | 1500 | 8180 | 1.7 | | | | | | |
| | 1 | 480 | 1800 | 8180 | 1.5 | | | | | | |
| | 0.7 | 627 | 2400 | 8180 | 1.1 | 50-110 | 63 | 38.5 | | | |
| | 1.5 | 357 | 1200 | 10320 | 3.5 | | | | | | |
| | 1.2 | 393 | 1500 | 10320 | 3.0 | | | | | | |
| | 1 | 467 | 1800 | 10320 | 2.7 | | | | | | |
| | 0.7 | 642 | 2400 | 10320 | 1.9 | | | | | | |
| | 0.6 | 786 | 3000 | 10320 | 1.5 | | | | | | |
| | 0.4 | 1100 | 4000 | 10320 | 1.3 | | | | | | |
| | 0.4 | 990 | 5000 | 10320 | 1.1 | 30-40 | 63 | 3.5 | | | |
| 0.18 | 17.5 | 64 | 100 | 2769 | 1.1 | | | | | | |
| (0.25HP) | 17.5 | 64 | 100 | 3800 | 2.1 | | | | | | |
| | 11.7 | 88 | 150 | 4350 | 1.5 | | | | 30-50 | 63 | 4.7 |
| | 8.8 | 115 | 200 | 4788 | 1.1 | | | | | | |
| | 7 | 132 | 250 | 4840 | 0.8 | | | | | | |
| | 5.8 | 151 | 300 | 4840 | 1.0 | | | | | | |
| | 17.5 | 64 | 100 | 4967 | 2.2 | | | | 30-63 | 63 | 7.4 |
| | 11.7 | 89 | 150 | 5686 | 2.2 | | | | | | |
| | 8.8 | 113 | 200 | 6259 | 2.2 | | | | | | |
| | 7 | 139 | 250 | 6270 | 1.7 | | | | | | |
| | 5.8 | 143 | 300 | 6270 | 1.8 | | | | | | |
| | 4.4 | 183 | 400 | 6270 | 1.4 | | | | | | |
| | 3.5 | 212 | 500 | 6270 | 1.1 | | | | | | |
| | 2.9 | 258 | 600 | 6270 | 1.0 | 40-50 | 63 | 5.8 | | | |
| | 17.5 | 66 | 100 | 3800 | 2.1 | | | | | | |
| | 11.7 | 92 | 150 | 4350 | 1.5 | | | | | | |
| | 8.8 | 115 | 200 | 4788 | 1.1 | | | | | | |
| | 7 | 132 | 250 | 4840 | 0.8 | | | | | | |
| | 5.8 | 151 | 300 | 4840 | 0.9 | 40-90 | 63 | 15.3 | | | |
| | 17.5 | 66 | 100 | 4967 | 3.9 | | | | | | |
| | 11.7 | 93 | 150 | 5686 | 2.8 | | | | | | |

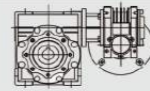
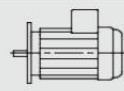


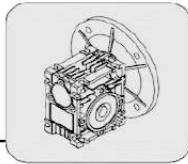
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|-----------------|------------|---------|------|---------|-----|---|---|-------------|---------------|-----------|-------------|
| | 8.8 | 117 | 200 | 6259 | 2.2 | 40-63 | 63 | 8.5 | | | |
| | 7 | 139 | 250 | 6270 | 1.7 | | | | | | |
| | 5.8 | 152 | 300 | 6270 | 1.8 | | | | | | |
| | 4.4 | 183 | 400 | 6270 | 1.4 | | | | | | |
| | 3.5 | 256 | 500 | 6270 | 0.9 | | | | | | |
| | 2.9 | 276 | 600 | 6270 | 0.9 | | | | | | |
| | 8.8 | 120 | 200 | 7380 | 3.5 | | | | 40-75 | 63 | 11.3 |
| | 7 | 144 | 250 | 7380 | 2.6 | | | | | | |
| | 5.8 | 162 | 300 | 7380 | 2.8 | | | | | | |
| | 4.4 | 198 | 400 | 7380 | 2.1 | | | | | | |
| | 3.5 | 221 | 500 | 7380 | 1.6 | | | | | | |
| | 2.9 | 302 | 600 | 7380 | 1.5 | | | | | | |
| | 2.3 | 367 | 750 | 7380 | 1.2 | | | | | | |
| | 1.9 | 421 | 900 | 7380 | 1.1 | | | | | | |
| | 1.5 | 492 | 1200 | 7380 | 0.9 | 40-90 | 63 | 15.3 | | | |
| | 7 | 149 | 250 | 8180 | 3.8 | | | | | | |
| | 5.8 | 170 | 300 | 8180 | 4.2 | | | | | | |
| | 4.4 | 208 | 400 | 8180 | 2.9 | | | | | | |
| | 3.5 | 244 | 500 | 8180 | 2.3 | | | | | | |
| | 2.9 | 312 | 600 | 8180 | 2.2 | | | | | | |
| | 2.3 | 386 | 750 | 8180 | 1.9 | | | | | | |
| | 1.9 | 442 | 900 | 8180 | 1.7 | | | | | | |
| | 1.5 | 531 | 1200 | 8180 | 1.3 | | | | | | |
| | 1.2 | 591 | 1500 | 8180 | 1.1 | | | | | | |
| | 1 | 720 | 1800 | 8180 | 1.0 | 50-90 | 63 | 16.5 | | | |
| | 1.5 | 531 | 1200 | 8180 | 1.3 | | | | | | |
| | 1.2 | 591 | 1500 | 8180 | 1.1 | | | | | | |
| | 1 | 720 | 1800 | 8180 | 1.0 | | | | 50-110 | 63 | 38.5 |
| | 1.5 | 536 | 1200 | 10320 | 2.3 | | | | | | |
| | 1.2 | 589 | 1500 | 10320 | 2.0 | | | | | | |
| | 1 | 701 | 1800 | 10320 | 1.8 | | | | | | |
| | 0.7 | 962 | 2400 | 10320 | 1.3 | | | | | | |
| | 0.6 | 1179 | 3000 | 10320 | 1.0 | 40-50 | 71 | 5.8 | | | |
| 0.25 | 17.5 | 91 | 100 | 3800 | 1.5 | | | | | | |
| (0.34HP) | 11.7 | 128 | 150 | 4350 | 1.1 | | | | | | |
| | 17.5 | 92 | 100 | 4967 | 2.8 | | | | 40-63 | 71 | 8.5 |
| | 11.7 | 129 | 150 | 5686 | 2.0 | | | | | | |
| | 8.8 | 162 | 200 | 6259 | 1.6 | | | | | | |
| | 7 | 193 | 250 | 6270 | 1.2 | | | | | | |
| | 5.8 | 211 | 300 | 6270 | 1.3 | | | | | | |

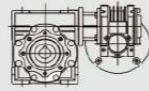
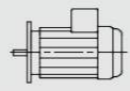


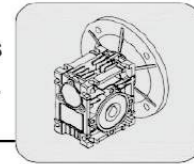
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------|---------|-------|---------|----|--|---|--------|
| 4.4 | 254 | 400 | 6270 | 1.0 | | | | |
| 17.5 | 93 | 100 | 5863 | 3.6 | | | | |
| 11.7 | 132 | 150 | 6712 | 3.2 | | | | |
| 8.8 | 167 | 200 | 7380 | 2.5 | | | | |
| 7 | 200 | 250 | 7380 | 1.9 | | | | |
| 5.8 | 225 | 300 | 7380 | 2.0 | | 40-75 | 71 | 11.3 |
| 4.4 | 274 | 400 | 7380 | 1.5 | | | | |
| 3.5 | 307 | 500 | 7380 | 1.2 | | | | |
| 2.9 | 419 | 600 | 7380 | 1.1 | | | | |
| 2.3 | 509 | 750 | 7380 | 0.9 | | | | |
| 17.5 | 95 | 100 | 6487 | 3.6 | | | | |
| 11.7 | 135 | 150 | 7426 | 3.6 | | | | |
| 8.8 | 173 | 200 | 8174 | 3.5 | | | | |
| 7 | 207 | 250 | 8180 | 2.7 | | | | |
| 5.8 | 236 | 300 | 8180 | 3.0 | | | | |
| 4.4 | 289 | 400 | 8180 | 2.1 | | 40-90 | 71 | 15.3 |
| 3.5 | 339 | 500 | 8180 | 1.7 | | | | |
| 2.9 | 434 | 600 | 8180 | 1.6 | | | | |
| 2.3 | 535 | 750 | 8180 | 1.4 | | | | |
| 1.9 | 614 | 900 | 8180 | 1.2 | | | | |
| 1.5 | 737 | 1200 | 8180 | 1.0 | | | | |
| 8.8 | 176 | 200 | 8174 | 3.4 | | | | |
| 7 | 215 | 250 | 8180 | 2.7 | | | | |
| 5.8 | 240 | 300 | 8180 | 2.9 | | | | |
| 4.4 | 296 | 400 | 8180 | 2.1 | | | | |
| 3.5 | 393 | 500 | 8180 | 1.4 | | 50-90 | 71 | 16.5 |
| 2.9 | 434 | 600 | 8180 | 1.6 | | | | |
| 2.3 | 535 | 750 | 8180 | 1.3 | | | | |
| 1.9 | 641 | 900 | 8180 | 1.2 | | | | |
| 1.5 | 737 | 1200 | 8180 | 0.9 | | | | |
| 4.4 | 306 | 400 | 10320 | 3.8 | | | | |
| 3.5 | 412 | 500 | 10320 | 2.9 | | | | |
| 2.9 | 432 | 600 | 10320 | 2.9 | | | | |
| 2.3 | 544 | 750 | 10320 | 2.4 | | | | |
| 1.9 | 634 | 900 | 10320 | 2.1 | | 50-110 | 71 | 38.5 |
| 1.5 | 744 | 1200 | 10320 | 1.7 | | | | |
| 1.2 | 818 | 1500 | 10320 | 1.4 | | | | |
| 1 | 973 | 1800 | 10320 | 1.3 | | | | |
| 0.7 | 1336 | 2400 | 10320 | 0.9 | | | | |
| 4.4 | 306 | 400 | 10320 | 3.8 | | | | |

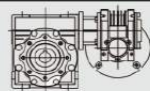
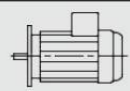


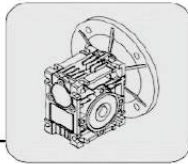
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------|---------|-------|---------|-----|---|---|--------|
| 3.5 | 419 | 500 | 10320 | 2.8 | | | | |
| 2.9 | 448 | 600 | 10320 | 2.8 | | | | |
| 2.3 | 556 | 750 | 10320 | 2.3 | | | | |
| 1.9 | 650 | 900 | 10320 | 2.0 | | 63-110 | 71 | 41.2 |
| 1.5 | 791 | 1200 | 10320 | 1.6 | | | | |
| 1.2 | 847 | 1500 | 10320 | 1.4 | | | | |
| 1 | 1054 | 1800 | 10320 | 1.2 | | | | |
| 0.7 | 1411 | 2400 | 10320 | 0.9 | | | | |
| 3.5 | 369 | 500 | 13500 | 4.2 | | | | |
| 2.9 | 453 | 600 | 13500 | 3.8 | | | | |
| 2.3 | 568 | 750 | 13500 | 3.2 | | | | |
| 1.9 | 662 | 900 | 13500 | 2.8 | | | | |
| 1.5 | 782 | 1200 | 13500 | 2.2 | | | | |
| 1.2 | 868 | 1500 | 13500 | 1.8 | | 63-130 | 71 | 54.2 |
| 1 | 1067 | 1800 | 13500 | 1.6 | | | | |
| 0.7 | 1414 | 2400 | 13500 | 1.2 | | | | |
| 0.6 | 1700 | 3000 | 13500 | 1.0 | | | | |
| 0.4 | 2422 | 4000 | 13500 | 0.8 | | | | |
| 0.4 | 2076 | 5000 | 13500 | 0.7 | | | | |
| 2.3 | 553 | 750 | 18000 | 4.3 | | | | |
| 1.9 | 713 | 900 | 18000 | 3.1 | | | | |
| 1.5 | 809 | 1200 | 18000 | 3.2 | | | | |
| 1.2 | 892 | 1500 | 18000 | 2.4 | | | | |
| 1 | 1135 | 1800 | 18000 | 1.8 | | 63-150 | 71 | 90.2 |
| 0.7 | 1467 | 2400 | 18000 | 1.9 | | | | |
| 0.6 | 1674 | 3000 | 18000 | 1.4 | | | | |
| 0.4 | 2427 | 4000 | 18000 | 1.2 | | | | |
| 0.4 | 2080 | 5000 | 18000 | 1.0 | | | | |
| 0.37 | 17.5 | 135 | 100 | 3800 | 1.0 | 40-50 | 71 | 5.8 |
| (0.5HP) | 17.5 | 136 | 100 | 4967 | 1.9 | | | |
| 11.7 | 191 | 150 | 5686 | 1.4 | | 40-63 | 71 | 8.5 |
| 8.8 | 240 | 200 | 6259 | 1.1 | | | | |
| 17.5 | 137 | 100 | 5863 | 2.4 | | | | |
| 11.7 | 195 | 150 | 6712 | 2.2 | | | | |
| 8.8 | 247 | 200 | 7380 | 1.7 | | | | |
| 7 | 296 | 250 | 7380 | 1.3 | | 40-75 | 71 | 11.3 |
| 5.8 | 333 | 300 | 7380 | 1.4 | | | | |
| 4.4 | 406 | 400 | 7380 | 1.0 | | | | |
| 17.5 | 141 | 100 | 6487 | 2.4 | | | | |
| 11.7 | 199 | 150 | 7426 | 2.4 | | | | |

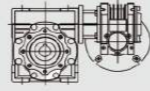
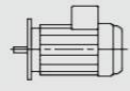


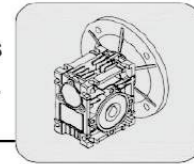
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | |
|---------|------------|---------|-------|---------|---------------|--|---|---------------|-----------|-------------|
| 8.8 | 256 | 200 | 8174 | 2.4 | 40-90 | 71 | 15.3 | | | |
| 7 | 307 | 250 | 8180 | 1.8 | | | | | | |
| 5.8 | 350 | 300 | 8180 | 2.0 | | | | | | |
| 4.4 | 427 | 400 | 8180 | 1.4 | | | | | | |
| 3.5 | 502 | 500 | 8180 | 1.1 | | | | | | |
| 2.9 | 642 | 600 | 8180 | 1.1 | | | | | | |
| 17.5 | 144 | 100 | 6487 | 4.1 | 50-90 | 71 | 16.5 | | | |
| 11.7 | 204 | 150 | 7426 | 3.2 | | | | | | |
| 8.8 | 260 | 200 | 8174 | 2.3 | | | | | | |
| 7 | 318 | 250 | 8180 | 1.8 | | | | | | |
| 5.8 | 356 | 300 | 8180 | 2.0 | | | | | | |
| 4.4 | 438 | 400 | 8180 | 1.4 | | | | | | |
| 3.5 | 582 | 500 | 8180 | 1.0 | | | | | | |
| 2.9 | 642 | 600 | 8180 | 1.1 | | | | | | |
| 2.3 | 792 | 750 | 8180 | 0.9 | | | | | | |
| 8.8 | 268 | 200 | 10320 | 4.2 | | | | 50-110 | 71 | 38.5 |
| 7 | 331 | 250 | 10320 | 3.6 | | | | | | |
| 5.8 | 358 | 300 | 10320 | 3.6 | | | | | | |
| 4.4 | 453 | 400 | 10320 | 2.6 | | | | | | |
| 3.5 | 609 | 500 | 10320 | 1.9 | | | | | | |
| 2.9 | 640 | 600 | 10320 | 1.9 | | | | | | |
| 2.3 | 806 | 750 | 10320 | 1.6 | | | | | | |
| 1.9 | 938 | 900 | 10320 | 1.4 | | | | | | |
| 1.5 | 1101 | 1200 | 10320 | 1.1 | | | | | | |
| 1.2 | 1210 | 1500 | 10320 | 1.0 | | | | | | |
| 8.8 | 268 | 200 | 10320 | 4.2 | 63-110 | 71 | 41.2 | | | |
| 7 | 331 | 250 | 10320 | 3.5 | | | | | | |
| 5.8 | 358 | 300 | 10320 | 3.6 | | | | | | |
| 4.4 | 453 | 400 | 10320 | 2.6 | | | | | | |
| 3.5 | 620 | 500 | 10320 | 1.9 | | | | | | |
| 2.9 | 663 | 600 | 10320 | 1.9 | | | | | | |
| 2.3 | 823 | 750 | 10320 | 1.6 | | | | | | |
| 1.9 | 961 | 900 | 10320 | 1.4 | | | | | | |
| 1.5 | 1170 | 1200 | 10320 | 1.1 | | | | | | |
| 1.2 | 1254 | 1500 | 10320 | 0.9 | | | | | | |
| 4.4 | 454 | 400 | 13500 | 3.6 | 63-130 | 71 | 54.2 | | | |
| 3.5 | 546 | 500 | 13500 | 2.8 | | | | | | |
| 2.9 | 671 | 600 | 13500 | 2.6 | | | | | | |
| 2.3 | 841 | 750 | 13500 | 2.1 | | | | | | |
| 1.9 | 979 | 900 | 13500 | 1.9 | | | | | | |

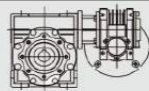
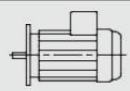


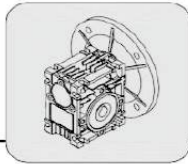
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------|------------|---------|-------|---------|---------------|---|---|-------------|
| 1.5 | 1158 | 1200 | 13500 | 1.5 | 63-150 | 71 | 90.2 | |
| 1.2 | 1285 | 1500 | 13500 | 1.2 | | | | |
| 1 | 1579 | 1800 | 13500 | 1.1 | | | | |
| 3.5 | 543 | 500 | 18000 | 4.3 | | | | |
| 2.9 | 664 | 600 | 18000 | 3.9 | | | | |
| 2.3 | 819 | 750 | 18000 | 2.9 | | | | |
| 1.9 | 1055 | 900 | 18000 | 2.1 | | | | |
| 1.5 | 1197 | 1200 | 18000 | 2.2 | | | | |
| 1.2 | 1320 | 1500 | 18000 | 1.6 | | | | |
| 1 | 1680 | 1800 | 18000 | 1.2 | | | | |
| 0.7 | 2171 | 2400 | 18000 | 1.3 | | | | |
| 0.6 | 2477 | 3000 | 18000 | 1.0 | | | | |
| 0.55 (0.74HP) | 17.5 | 215 | 100 | 6487 | 2.8 | 50-90 | 80 | 16.5 |
| 11.7 | 304 | 150 | 7426 | 2.2 | | | | |
| 8.8 | 387 | 200 | 8174 | 1.6 | | | | |
| 7 | 473 | 250 | 8180 | 1.2 | | | | |
| 5.8 | 529 | 300 | 8180 | 1.3 | | | | |
| 4.4 | 651 | 400 | 8180 | 0.9 | | | | |
| 17.5 | 214 | 100 | 8198 | 2.9 | 50-110 | 80 | 38.5 | |
| 11.7 | 308 | 150 | 9384 | 2.9 | | | | |
| 8.8 | 399 | 200 | 10320 | 2.8 | | | | |
| 7 | 492 | 250 | 10320 | 2.4 | | | | |
| 5.8 | 532 | 300 | 10320 | 2.4 | | | | |
| 4.4 | 673 | 400 | 10320 | 1.7 | | | | |
| 3.5 | 905 | 500 | 10320 | 1.3 | | | | |
| 2.9 | 951 | 600 | 10320 | 1.3 | | | | |
| 2.3 | 1197 | 750 | 10320 | 1.1 | | | | |
| 1.9 | 1395 | 900 | 10320 | 1.0 | | | | |
| 11.7 | 308 | 150 | 9384 | 3.9 | 63-110 | 80 | 41.2 | |
| 8.8 | 399 | 200 | 10320 | 2.8 | | | | |
| 7 | 492 | 250 | 10320 | 2.4 | | | | |
| 5.8 | 532 | 300 | 10320 | 2.4 | | | | |
| 4.4 | 673 | 400 | 10320 | 1.7 | | | | |
| 3.5 | 922 | 500 | 10320 | 1.3 | | | | |
| 2.9 | 985 | 600 | 10320 | 1.3 | | | | |
| 2.3 | 1223 | 750 | 10320 | 1.1 | | | | |
| 1.9 | 1429 | 900 | 10320 | 0.9 | | | | |
| 8.8 | 400 | 200 | 13500 | 4.0 | | | | |
| 7 | 491 | 250 | 13500 | 3.1 | | | | |
| 5.8 | 541 | 300 | 13500 | 3.3 | | | | |

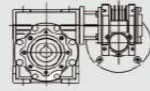
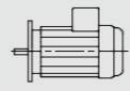
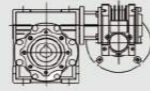
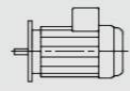
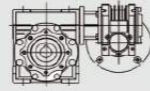
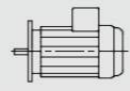
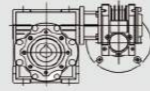
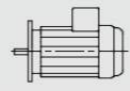


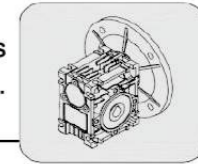
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-----------------------------|------------|---------|-------|---------|---------------|--|---|-------------|
| 4.4 | 675 | 400 | 13500 | 2.4 | 63-130 | 80 | 54.2 | |
| 3.5 | 812 | 500 | 13500 | 1.9 | | | | |
| 2.9 | 997 | 600 | 13500 | 1.7 | | | | |
| 2.3 | 1249 | 750 | 13500 | 1.4 | | | | |
| 1.9 | 1456 | 900 | 13500 | 1.3 | | | | |
| 1.5 | 1721 | 1200 | 13500 | 1.0 | | | | |
| 7 | 490 | 250 | 18000 | 4.2 | 63-150 | 80 | 90.2 | |
| 5.8 | 589 | 300 | 18000 | 3.7 | | | | |
| 4.4 | 687 | 400 | 18000 | 3.9 | | | | |
| 3.5 | 807 | 500 | 18000 | 2.9 | | | | |
| 2.9 | 987 | 600 | 18000 | 2.7 | | | | |
| 2.3 | 1217 | 750 | 18000 | 2.0 | | | | |
| 1.9 | 1569 | 900 | 18000 | 1.4 | | | | |
| 1.5 | 1780 | 1200 | 18000 | 1.5 | | | | |
| 1.2 | 1961 | 1500 | 18000 | 1.1 | | | | |
| 1 | 2497 | 1800 | 18000 | 0.8 | | | | |
| 0.7 | 3227 | 2400 | 18000 | 0.9 | | | | |
| 0.75 (1HP) | 17.5 | 293 | 100 | 6487 | 2.0 | 50-90 | 80 | 16.5 |
| | 11.7 | 414 | 150 | 7426 | 1.6 | | | |
| | 8.8 | 527 | 200 | 8174 | 1.1 | | | |
| | 7 | 645 | 250 | 8180 | 0.9 | | | |
| | 5.8 | 721 | 300 | 8180 | 1.0 | | | |
| 17.5 | 292 | 100 | 8198 | 2.1 | 50-110 | 80 | 38.5 | |
| 11.7 | 420 | 150 | 9384 | 2.1 | | | | |
| 8.8 | 544 | 200 | 10320 | 2.1 | | | | |
| 7 | 670 | 250 | 10320 | 1.8 | | | | |
| 5.8 | 725 | 300 | 10320 | 1.8 | | | | |
| 4.4 | 918 | 400 | 10320 | 1.3 | | | | |
| 3.5 | 1235 | 500 | 10320 | 1.0 | | | | |
| 2.9 | 1297 | 600 | 10320 | 1.0 | | | | |
| 17.5 | 292 | 100 | 8198 | 3.5 | 63-110 | 80 | 41.2 | |
| 11.7 | 419 | 150 | 9384 | 2.8 | | | | |
| 8.8 | 544 | 200 | 10320 | 2.1 | | | | |
| 7 | 670 | 250 | 10320 | 1.7 | | | | |
| 5.8 | 725 | 300 | 10320 | 1.8 | | | | |
| 4.4 | 918 | 400 | 10320 | 1.3 | | | | |
| 3.5 | 1257 | 500 | 10320 | 0.9 | | | | |
| 2.9 | 1344 | 600 | 10320 | 0.9 | | | | |
| 17.5 | 296 | 100 | 10722 | 3.5 | | | | |
| 11.7 | 414 | 150 | 12274 | 3.5 | | | | |















| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | |
|----------------|------------|---------|-------|---------|---------------|---|---|---------------|--------------|-------------|
| 8.8 | 545 | 200 | 13500 | 2.9 | 63-130 | 80 | 54.2 | | | |
| 7 | 670 | 250 | 13500 | 2.3 | | | | | | |
| 5.8 | 738 | 300 | 13500 | 2.4 | | | | | | |
| 4.4 | 920 | 400 | 13500 | 1.8 | | | | | | |
| 3.5 | 1107 | 500 | 13500 | 1.4 | | | | | | |
| 2.9 | 1360 | 600 | 13500 | 1.3 | | | | | | |
| 2.3 | 1704 | 750 | 13500 | 1.1 | | | | | | |
| 1.9 | 1985 | 900 | 13500 | 0.9 | | | | | | |
| 8.8 | 545 | 200 | 18000 | 3.5 | | | | 63-150 | 80 | 90.2 |
| 7 | 668 | 250 | 18000 | 3.1 | | | | | | |
| 5.8 | 803 | 300 | 18000 | 2.7 | | | | | | |
| 4.4 | 937 | 400 | 18000 | 2.8 | | | | | | |
| 3.5 | 1101 | 500 | 18000 | 2.1 | | | | | | |
| 2.9 | 1346 | 600 | 18000 | 1.9 | | | | | | |
| 2.3 | 1659 | 750 | 18000 | 1.4 | | | | | | |
| 1.9 | 2139 | 900 | 18000 | 1.0 | | | | | | |
| 1.5 | 2427 | 1200 | 18000 | 1.1 | | | | | | |
| 1.1 | 17.5 | 428 | 100 | 8198 | 2.4 | 63-110 | 90 | | | |
| (1.5HP) | 11.7 | 615 | 150 | 9384 | 1.9 | | | | | |
| | 8.8 | 797 | 200 | 10320 | 1.4 | | | | | |
| | 7 | 983 | 250 | 10320 | 1.2 | | | | | |
| | 5.8 | 1064 | 300 | 10320 | 1.2 | | | | | |
| 17.5 | 433 | 100 | 10722 | 2.4 | 63-130 | 90 | 54.2 | | | |
| 11.7 | 607 | 150 | 12274 | 2.4 | | | | | | |
| 8.8 | 800 | 200 | 13500 | 2.0 | | | | | | |
| 7 | 983 | 250 | 13500 | 1.6 | | | | | | |
| 5.8 | 1082 | 300 | 13500 | 1.6 | | | | | | |
| 4.4 | 1349 | 400 | 13500 | 1.2 | | | | | | |
| 3.5 | 1624 | 500 | 13500 | 1.0 | | | | | | |
| 2.9 | 1994 | 600 | 13500 | 0.9 | | | | | | |
| 11.7 | 613 | 150 | 18000 | 3.0 | 63-150 | 90 | 90.2 | | | |
| 8.8 | 800 | 200 | 18000 | 2.4 | | | | | | |
| 7 | 980 | 250 | 18000 | 2.1 | | | | | | |
| 5.8 | 1178 | 300 | 18000 | 1.8 | | | | | | |
| 4.4 | 1374 | 400 | 18000 | 1.9 | | | | | | |
| 3.5 | 1614 | 500 | 18000 | 1.4 | | | | | | |
| 2.9 | 1974 | 600 | 18000 | 1.3 | | | | | | |
| 2.3 | 2434 | 750 | 18000 | 1.0 | | | | | | |
| 1.5 | 17.5 | 584 | 100 | 8198 | | | | 1.8 | (2HP) | |
| | 11.7 | 839 | 150 | 9384 | 1.4 | | | | | |

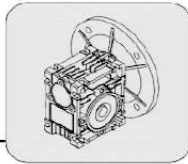




| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | |
|---------|------------|---------|-------|---------|--|---|---|--------|------|
| 8.8 | 1087 | 200 | 10320 | 1.0 |  |  | 63-110 | 90 | 41.2 |
| 7 | 1341 | 250 | 10320 | 0.9 | | | | | |
| 5.8 | 1451 | 300 | 10320 | 0.9 | | | | | |
| 17.5 | 591 | 100 | 10722 | 1.8 |  |  | 63-130 | 90 | 54.2 |
| 11.7 | 828 | 150 | 12274 | 1.8 | | | | | |
| 8.8 | 1091 | 200 | 13500 | 1.5 | | | | | |
| 7 | 1340 | 250 | 13500 | 1.1 | | | | | |
| 5.8 | 1475 | 300 | 13500 | 1.2 | | | | | |
| 4.4 | 1840 | 400 | 13500 | 0.9 | | | | | |
| 3.5 | 2214 | 500 | 13500 | 0.7 | | | | | |
| 11.7 | 836 | 150 | 18000 | 2.2 |  |  | 63-150 | 90 | 90.2 |
| 8.8 | 1091 | 200 | 18000 | 1.8 | | | | | |
| 7 | 1337 | 250 | 18000 | 1.5 | | | | | |
| 5.8 | 1606 | 300 | 18000 | 1.3 | | | | | |
| 4.4 | 1874 | 400 | 18000 | 1.4 | | | | | |
| 3.5 | 2202 | 500 | 18000 | 1.1 | | | | | |
| 2.9 | 2692 | 600 | 18000 | 1.0 | | | | | |

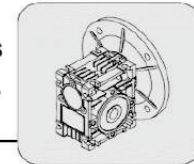


3.1.4 H+Input Shaft 選型表 Solid Input Type



| i | na [1/min] | Ma max [Nm] | Pe [kW] | FRa [N] | FRe [N] |  |  | m [kg] |
|------------------|------------|-------------|---------|---------|---------|---|---|--------|
| 30 21 Nm | | | | | | | | |
| 5 | 350 | 18 | 0.8 | 554 | 150 |  |  | 1 |
| 7.5 | 233 | 18 | 0.5 | 634 | 150 | | | |
| 10 | 175 | 18 | 0.4 | 698 | 169 | | | |
| 15 | 117 | 18 | 0.3 | 799 | 169 | | | |
| 20 | 88 | 17 | 0.2 | 880 | 179 | | | |
| 25 | 70 | 21 | 0.2 | 948 | 210 | | | |
| 30 | 58 | 20 | 0.2 | 1007 | 210 | | | |
| 40 | 44 | 18 | 0.1 | 1108 | 210 | | | |
| 50 | 35 | 17 | 0.1 | 1194 | 210 | | | |
| 60 | 29 | 15 | 0.1 | 1269 | 210 | | | |
| 80 | 22 | 12 | 0.1 | 1396 | 210 | | | |
| 40 46 Nm | | | | | | | | |
| 5 | 350 | 34 | 1.4 | 1066 | 250 |  |  | 2 |
| 7.5 | 233 | 40 | 1.1 | 1221 | 291 | | | |
| 10 | 175 | 42 | 0.9 | 1344 | 343 | | | |
| 15 | 117 | 42 | 0.6 | 1538 | 343 | | | |
| 20 | 88 | 41 | 0.5 | 1693 | 350 | | | |
| 25 | 70 | 37 | 0.4 | 1824 | 350 | | | |
| 30 | 58 | 46 | 0.4 | 1938 | 350 | | | |
| 40 | 44 | 43 | 0.3 | 2133 | 350 | | | |
| 50 | 35 | 40 | 0.2 | 2298 | 350 | | | |
| 60 | 29 | 36 | 0.2 | 2442 | 350 | | | |
| 80 | 22 | 31 | 0.1 | 2687 | 350 | | | |
| 100 | 18 | 28 | 0.1 | 2895 | 350 | | | |
| 50 84Nm | | | | | | | | |
| 5 | 350 | 65 | 2.7 | 1464 | 350 |  |  | 3.3 |
| 7.5 | 233 | 73 | 2.0 | 1676 | 396 | | | |
| 10 | 175 | 75 | 1.6 | 1844 | 490 | | | |
| 15 | 117 | 77 | 1.1 | 2111 | 490 | | | |
| 20 | 88 | 74 | 0.9 | 2324 | 490 | | | |
| 25 | 70 | 67 | 0.6 | 2503 | 490 | | | |
| 30 | 58 | 84 | 0.7 | 2660 | 490 | | | |
| 40 | 44 | 78 | 0.5 | 2927 | 490 | | | |
| 50 | 35 | 73 | 0.4 | 3153 | 490 | | | |
| 60 | 29 | 68 | 0.4 | 3351 | 490 | | | |
| 80 | 22 | 62 | 0.3 | 3688 | 490 | | | |
| 100 | 18 | 52 | 0.2 | 3973 | 490 | | | |
| 63 152 Nm | | | | | | | | |
| 5 | 350 | 101 | 4.1 | 1833 | 430 |  |  | 5.8 |
| 7.5 | 233 | 122 | 3.3 | 2190 | 500 | | | |
| 10 | 175 | 125 | 2.6 | 2411 | 579 | | | |
| 15 | 117 | 140 | 2.0 | 2759 | 646 | | | |
| 20 | 88 | 138 | 1.5 | 3037 | 700 | | | |
| 25 | 70 | 127 | 1.2 | 3272 | 700 | | | |
| 30 | 58 | 152 | 1.2 | 3477 | 700 | | | |
| 40 | 44 | 142 | 0.9 | 3827 | 700 | | | |
| 50 | 35 | 136 | 0.7 | 4122 | 700 | | | |
| 60 | 29 | 128 | 0.6 | 4380 | 700 | | | |
| 80 | 22 | 116 | 0.5 | 4821 | 700 | | | |
| 100 | 18 | 112 | 0.4 | 5193 | 700 | | | |
| 75 229 Nm | | | | | | | | |
| 7.5 | 233 | 176 | 4.8 | 2585 | 700 |  |  | 8.8 |
| 10 | 175 | 187 | 3.9 | 2845 | 839 | | | |
| 15 | 117 | 215 | 3 | 3257 | 962 | | | |
| 20 | 88 | 221 | 2 | 3585 | 980 | | | |
| 25 | 70 | 202 | 2 | 3862 | 980 | | | |
| 30 | 58 | 229 | 2 | 4104 | 980 | | | |

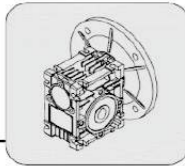



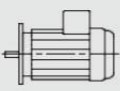
| i | na [1/min] | Ma max [Nm] | Pe [kW] | FRa [N] | FRe [N] |  |  | m [kg] |
|------------|---------------|----------------|------------|------------|------------|--|---|----------------|
| 40 | 44 | 229 | 1 | 4517 | 980 | | | |
| 50 | 35 | 212 | 1 | 4865 | 980 | | | |
| 60 | 29 | 201 | 1 | 5170 | 980 | | | |
| 80 | 22 | 184 | 1 | 5691 | 980 | | | |
| 100 | 18 | 171 | 1 | 6130 | 980 | | | |
| 90 | | | | | | | | 410Nm |
| 7.5 | 233 | 303 | 8.2 | 2860 | 900 | | | |
| 10 | 175 | 324 | 6.7 | 3148 | 1082 | | | |
| 15 | 117 | 376 | 5 | 3604 | 1257 | | | |
| 20 | 88 | 371 | 4 | 3967 | 1270 | | | |
| 25 | 70 | 355 | 3 | 4273 | 1270 | | | |
| 30 | 58 | 410 | 3 | 4541 | 1270 | | | |
| 40 | 44 | 376 | 2 | 4998 | 1270 | 90 | Ø24 | 13 |
| 50 | 35 | 355 | 2 | 5383 | 1270 | | | |
| 60 | 29 | 334 | 1 | 5721 | 1270 | | | |
| 80 | 22 | 271 | 1 | 6297 | 1270 | | | |
| 100 | 18 | 257 | 1 | 6783 | 1270 | | | |
| 110 | | | | | | | | 689 Nm |
| 7.5 | 233 | 524 | 14.17 | 3614 | 1200 | | | |
| 10 | 175 | 568 | 11.64 | 3978 | 1463 | | | |
| 15 | 117 | 623 | 8.69 | 4554 | 1604 | | | |
| 20 | 88 | 612 | 6.47 | 5012 | 1700 | | | |
| 25 | 70 | 645 | 5.52 | 5399 | 1700 | | | |
| 30 | 58 | 689 | 5.20 | 5737 | 1700 | | | |
| 40 | 44 | 667 | 3.83 | 6315 | 1700 | 110 | Ø28 | 21 |
| 50 | 35 | 627 | 2.99 | 6803 | 1700 | | | |
| 60 | 29 | 585 | 2.4 | 7229 | 1700 | | | |
| 80 | 22 | 489 | 1.6 | 7956 | 1700 | | | |
| 100 | 18 | 459 | 1.3 | 8571 | 1700 | | | |
| 130 | | | | | | | | 998 Nm |
| 7.5 | 233 | 712 | 19.13 | 4727 | 1500 | | | |
| 10 | 175 | 779 | 16.04 | 5203 | 1845 | | | |
| 15 | 117 | 874 | 12.27 | 5956 | 2070 | | | |
| 20 | 88 | 864 | 9.10 | 6556 | 2100 | | | |
| 25 | 70 | 883 | 7.62 | 7062 | 2100 | | | |
| 30 | 58 | 988 | 7.45 | 7504 | 2100 | | | |
| 40 | 44 | 998 | 5.78 | 8260 | 2100 | 130 | Ø30 | 43.5 |
| 50 | 35 | 931 | 4.49 | 8897 | 2100 | | | |
| 60 | 29 | 855 | 3.58 | 9455 | 2100 | | | |
| 80 | 22 | 798 | 2.65 | 10406 | 2100 | | | |
| 100 | 18 | 703 | 1.98 | 11210 | 2100 | | | |
| 150 | | | | | | | | 1473 Nm |
| 7.5 | 233 | 1140 | 30.61 | 6463 | 1950 | | | |
| 10 | 175 | 1178 | 23.98 | 7113 | 2267 | | | |
| 15 | 117 | 1187 | 16.49 | 8143 | 2285 | | | |
| 20 | 88 | 1235 | 13.01 | 8962 | 2673 | | | |
| 25 | 70 | 1140 | 9.83 | 9654 | 2800 | | | |
| 30 | 58 | 1140 | 8.29 | 10259 | 2800 | | | |
| 40 | 44 | 1473 | 8.54 | 11292 | 2800 | 150 | Ø30 | 77 |
| 50 | 35 | 1330 | 6.33 | 12163 | 2800 | | | |
| 60 | 29 | 1197 | 4.94 | 12926 | 2800 | | | |
| 80 | 22 | 1093 | 3.63 | 14226 | 2800 | | | |
| 100 | 18 | 950 | 2.68 | 15325 | 2800 | | | |

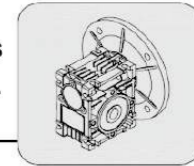



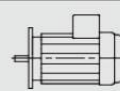
3.2.1 H,M+Motor選型表 Input Flange Type(Single Reduction)

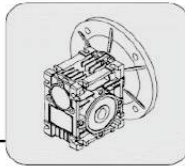
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-------------------------|---------------|------------|------|------------|------|---|---|-----------|
| 0.06 (0.08HP) | 280 | 1.8 | 5 | 597 | 10.7 | | | |
| | 186.7 | 2.6 | 7.5 | 683 | 7.3 | | | |
| | 140 | 3.4 | 10 | 752 | 5.7 | | | |
| | 93.3 | 4.8 | 15 | 861 | 4.0 | | | |
| | 70 | 6 | 20 | 948 | 3.0 | | | |
| | 56 | 6.9 | 25 | 1021 | 3.2 | 30 | 56 | 1.2 |
| | 46.7 | 7.9 | 30 | 1085 | 2.7 | | | |
| | 35 | 9.5 | 40 | 1194 | 2.0 | | | |
| | 28 | 12 | 50 | 1286 | 1.5 | | | |
| | 23.3 | 12 | 60 | 1367 | 1.3 | | | |
| 17.5 | 16 | 80 | 1504 | 0.8 | | | | |
| 28 | 13 | 50 | 2475 | 3.3 | | | | |
| 23.3 | 15 | 60 | 2630 | 2.7 | | | | |
| 17.5 | 18 | 80 | 2895 | 1.8 | | 40 | 56 | 2.3 |
| 14 | 19 | 100 | 3118 | 1.5 | | | | |
| 0.09 (0.12HP) | 280 | 2.7 | 5 | 597 | 7.1 | | | |
| | 186.7 | 3.9 | 7.5 | 683 | 4.9 | | | |
| | 140 | 5 | 10 | 752 | 3.8 | | | |
| | 93.3 | 7.1 | 15 | 861 | 2.7 | | | |
| | 70 | 9 | 20 | 948 | 2.0 | | | |
| | 56 | 10 | 25 | 1021 | 2.1 | 30 | 56 | 1.2 |
| | 46.7 | 12 | 30 | 1085 | 1.8 | | | |
| | 35 | 14 | 40 | 1194 | 1.3 | | | |
| | 28 | 18 | 50 | 1286 | 1.0 | | | |
| | 23.3 | 18 | 60 | 1367 | 0.9 | | | |
| 28 | 19 | 50 | 2475 | 2.2 | | | | |
| 23.3 | 22 | 60 | 2630 | 1.8 | | | | |
| 17.5 | 27 | 80 | 2895 | 1.2 | | 40 | 56 | 2.3 |
| 14 | 29 | 100 | 3118 | 1.0 | | | | |
| 0.12 (0.16HP) | 280 | 3.6 | 5 | 597 | 5.3 | | | |
| | 186.7 | 5.2 | 7.5 | 683 | 3.7 | | | |
| | 140 | 6.7 | 10 | 752 | 2.8 | | | |
| | 93.3 | 9.5 | 15 | 861 | 2.0 | 30 | 63 | 1.2 |
| | 70 | 12 | 20 | 948 | 1.5 | | | |
| | 56 | 14 | 25 | 1021 | 1.6 | | | |
| 46.7 | 16 | 30 | 1085 | 1.3 | | | | |


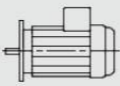


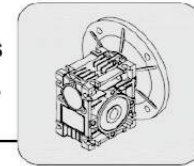
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------------|------------|---------|-----|---------|-----|--|---|------------|
| | 35 | 19 | 40 | 1194 | 1.0 | | | |
| | 28 | 24 | 50 | 1286 | 0.8 | | | |
| | 70 | 13 | 20 | 1824 | 3.3 | | | |
| | 56 | 16 | 25 | 1964 | 2.5 | | | |
| | 46.7 | 17 | 30 | 2087 | 2.8 | | | |
| | 35 | 22 | 40 | 2298 | 2.1 | 40 | 63 | 2.3 |
| | 28 | 25 | 50 | 2475 | 1.7 | | | |
| | 23.3 | 29 | 60 | 2630 | 1.3 | | | |
| | 17.5 | 36 | 80 | 2895 | 0.9 | | | |
| | 14 | 39 | 100 | 3118 | 0.8 | | | |
| | 28 | 26 | 50 | 3397 | 2.9 | | | |
| | 23.3 | 30 | 60 | 3610 | 2.4 | 50 | 63 | 3.5 |
| | 17.5 | 35 | 80 | 3973 | 1.8 | | | |
| | 14 | 41 | 100 | 4280 | 1.3 | | | |
| 0.18 (0.25HP) | 280 | 5.3 | 5 | 597 | 3.6 | | | |
| | 186.7 | 7.8 | 7.5 | 683 | 2.4 | | | |
| | 140 | 10 | 10 | 752 | 1.9 | | | |
| | 93.3 | 14 | 15 | 861 | 1.3 | 30 | 63 | 1.2 |
| | 70 | 18 | 20 | 948 | 1.0 | | | |
| | 56 | 21 | 25 | 1021 | 1.1 | | | |
| | 46.7 | 24 | 30 | 1085 | 0.9 | | | |
| | 93.3 | 15 | 15 | 1657 | 2.9 | | | |
| | 70 | 19 | 20 | 1824 | 2.2 | | | |
| | 56 | 23 | 25 | 1964 | 1.7 | | | |
| | 46.7 | 26 | 30 | 2087 | 1.8 | 40 | 63 | 2.3 |
| | 35 | 32 | 40 | 2298 | 1.4 | | | |
| | 28 | 38 | 50 | 2475 | 1.1 | | | |
| | 23.3 | 44 | 60 | 2630 | 0.9 | | | |
| | 35 | 34 | 40 | 3153 | 2.4 | | | |
| | 28 | 40 | 50 | 3397 | 1.9 | 50 | 63 | 3.5 |
| | 23.3 | 45 | 60 | 3610 | 1.6 | | | |
| | 17.5 | 53 | 80 | 3973 | 1.2 | | | |
| | 14 | 62 | 100 | 4280 | 0.9 | | | |
| 0.25 (0.34HP) | 280 | 7.6 | 5 | 1149 | 4.8 | | | |
| | 186.7 | 11 | 7.5 | 1315 | 3.8 | | | |
| | 140 | 14 | 10 | 1447 | 3.0 | | | |


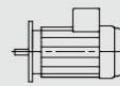


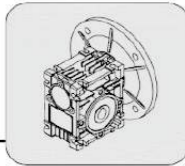
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-------------------------------|------------|---------|-----|---------|-----|---|---|------------|
| | 93.3 | 21 | 15 | 1657 | 2.1 | 40 | 71 | 2.3 |
| | 70 | 27 | 20 | 1824 | 1.6 | | | |
| | 56 | 33 | 25 | 1964 | 1.2 | | | |
| | 46.7 | 36 | 30 | 2087 | 1.3 | | | |
| | 35 | 45 | 40 | 2298 | 1.0 | | | |
| | 70 | 27 | 20 | 2503 | 2.8 | | | |
| | 56 | 33 | 25 | 2696 | 2.2 | 50 | 71 | 3.5 |
| | 46.7 | 37 | 30 | 2865 | 2.4 | | | |
| | 35 | 47 | 40 | 3153 | 1.8 | | | |
| | 28 | 55 | 50 | 3397 | 1.4 | | | |
| | 23.3 | 62 | 60 | 3610 | 1.2 | | | |
| | 17.5 | 74 | 80 | 3973 | 0.9 | | | |
| | 35 | 48 | 40 | 4122 | 3.0 | 63 | 71 | 6.2 |
| | 28 | 57 | 50 | 4440 | 2.4 | | | |
| | 23.3 | 65 | 60 | 4719 | 2.0 | | | |
| | 17.5 | 78 | 80 | 5193 | 1.6 | | | |
| | 14 | 89 | 100 | 5595 | 1.3 | | | |
| | 23.3 | 68 | 60 | 5569 | 3.0 | | | |
| | 17.5 | 83 | 80 | 6130 | 2.3 | 75 | 71 | 9 |
| | 14 | 96 | 100 | 6603 | 1.9 | | | |
| | 35 | 48 | 40 | 4122 | 3.0 | | | |
| 0.37 (0.5HP) | 280 | 11 | 5 | 1149 | 3.2 | | | |
| | 186.7 | 17 | 7.5 | 1315 | 2.5 | | | |
| | 140 | 21 | 10 | 1447 | 2.1 | | | |
| | 93.3 | 31 | 15 | 1657 | 1.4 | 40 | 71 | 2.3 |
| | 70 | 40 | 20 | 1824 | 1.1 | | | |
| | 56 | 48 | 25 | 1964 | 0.8 | | | |
| | 46.7 | 54 | 30 | 2087 | 0.9 | | | |
| | 140 | 22 | 10 | 1987 | 3.6 | | | |
| | 93.3 | 32 | 15 | 2274 | 2.6 | 50 | 71 | 3.5 |
| | 70 | 41 | 20 | 2503 | 1.9 | | | |
| | 56 | 49 | 25 | 2696 | 1.5 | | | |
| | 46.7 | 55 | 30 | 2865 | 1.6 | | | |
| | 35 | 69 | 40 | 3153 | 1.2 | | | |
| | 28 | 81 | 50 | 3397 | 0.9 | | | |
| | 23.3 | 92 | 60 | 3610 | 0.8 | | | |
| | 56 | 50 | 25 | 3524 | 2.6 | | | |


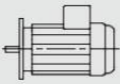


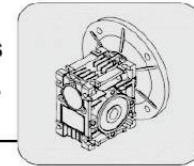
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------------|---------|-----|---------|-----|--|---|------------|
| | 46.7 | 57 | 30 | 3745 | 2.8 | 63 | 71 | 6.2 |
| | 35 | 72 | 40 | 4122 | 2.0 | | | |
| | 28 | 85 | 50 | 4440 | 1.6 | | | |
| | 23.3 | 96 | 60 | 4719 | 1.4 | | | |
| | 17.5 | 116 | 80 | 5193 | 1.1 | | | |
| | 14 | 132 | 100 | 5595 | 0.9 | | | |
| | 35 | 74 | 40 | 4865 | 3.0 | 75 | 71 | 9 |
| | 28 | 88 | 50 | 5241 | 2.4 | | | |
| | 23.3 | 100 | 60 | 5569 | 2.0 | | | |
| | 17.5 | 123 | 80 | 6130 | 1.5 | | | |
| | 14 | 142 | 100 | 6603 | 1.3 | | | |
| | 0.55 (0.75HP) | 280 | 17 | 1577 | 4.1 | | | |
| | 186.7 | 25 | 7.5 | 1805 | 3.1 | | | |
| | 140 | 33 | 10 | 1987 | 2.4 | | | |
| | 93.3 | 47 | 15 | 2274 | 1.7 | | | |
| | 70 | 60 | 20 | 2503 | 1.3 | | | |
| | 56 | 72 | 25 | 2696 | 1.0 | | | |
| | 46.7 | 82 | 30 | 2865 | 1.1 | 63 | 80 | 6.2 |
| | 93.3 | 47 | 15 | 2973 | 3.0 | | | |
| | 70 | 61 | 20 | 3272 | 2.2 | | | |
| | 56 | 74 | 25 | 3524 | 1.7 | | | |
| | 46.7 | 85 | 30 | 3745 | 1.9 | | | |
| | 35 | 106 | 40 | 4122 | 1.4 | | | |
| | 28 | 126 | 50 | 4440 | 1.1 | 75 | 80 | 9 |
| | 23.3 | 143 | 60 | 4719 | 0.9 | | | |
| | 17.5 | 172 | 80 | 5193 | 0.7 | | | |
| | 56 | 76 | 25 | 4160 | 2.6 | | | |
| | 46.7 | 87 | 30 | 4421 | 2.7 | | | |
| | 35 | 110 | 40 | 4865 | 2.0 | | | |
| | 28 | 131 | 50 | 5241 | 1.6 | 90 | 80 | 13 |
| | 23.3 | 149 | 60 | 5569 | 1.3 | | | |
| | 17.5 | 183 | 80 | 6130 | 1.0 | | | |
| | 14 | 211 | 100 | 6603 | 0.9 | | | |
| | 35 | 114 | 40 | 5383 | 3.5 | | | |
| | 28 | 137 | 50 | 5799 | 2.7 | | | |
| | 23.3 | 157 | 60 | 6163 | 2.2 | | | |


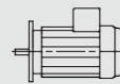


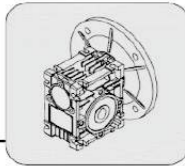
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------|------------|---------|-----|---------|-----|---|---|------------|
| | 17.5 | 191 | 80 | 6783 | 1.5 | 110 | 80 | 21 |
| | 14 | 225 | 100 | 7306 | 1.2 | | | |
| | 17.5 | 204 | 80 | 8571 | 2.5 | | | |
| | 14 | 239 | 100 | 9232 | 2.0 | | | |
| 0.75 (1HP) | 280 | 23 | 5 | 1577 | 3.0 | 50 | 80 | 3.5 |
| | 186.7 | 34 | 7.5 | 1805 | 2.3 | | | |
| | 140 | 45 | 10 | 1987 | 1.8 | | | |
| | 93.3 | 64 | 15 | 2274 | 1.3 | | | |
| | 70 | 82 | 20 | 2503 | 0.9 | | | |
| | 56 | 99 | 25 | 2696 | 0.7 | | | |
| | 46.7 | 112 | 30 | 2865 | 0.8 | 63 | 80 | 6.2 |
| | 140 | 45 | 10 | 2597 | 2.9 | | | |
| | 93.3 | 64 | 15 | 2973 | 2.2 | | | |
| | 70 | 84 | 20 | 3272 | 1.6 | | | |
| | 56 | 102 | 25 | 3524 | 1.3 | | | |
| | 46.7 | 115 | 30 | 3745 | 1.4 | | | |
| | 35 | 145 | 40 | 4122 | 1.0 | 75 | 80 | 9 |
| | 28 | 172 | 50 | 4440 | 0.8 | | | |
| | 93.3 | 66 | 15 | 3509 | 3.0 | | | |
| | 70 | 85 | 20 | 3862 | 2.5 | | | |
| | 56 | 103 | 25 | 4160 | 1.9 | | | |
| | 46.7 | 118 | 30 | 4421 | 1.9 | | | |
| | 35 | 150 | 40 | 4865 | 1.5 | 90 | 80 | 13 |
| | 28 | 179 | 50 | 5241 | 1.2 | | | |
| | 23.3 | 203 | 60 | 5569 | 1.0 | | | |
| | 17.5 | 250 | 80 | 6130 | 0.8 | | | |
| | 35 | 155 | 40 | 5383 | 2.5 | | | |
| | 28 | 187 | 50 | 5799 | 2.0 | | | |
| | 23.3 | 215 | 60 | 6163 | 1.6 | 110 | 80 | 21 |
| | 17.5 | 261 | 80 | 6783 | 1.1 | | | |
| | 14 | 307 | 100 | 7306 | 0.9 | | | |
| | 28 | 220 | 50 | 7328 | 3.0 | | | |
| | 23.3 | 226 | 60 | 7787 | 2.7 | 110 | 80 | 21 |
| | 17.5 | 278 | 80 | 8571 | 1.9 | | | |
| | 14 | 326 | 100 | 9232 | 1.5 | | | |
| 1.1 | 280 | 34 | 5 | 1980 | 3.0 | | | |


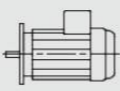


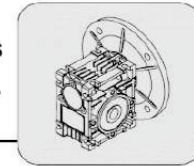
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | | | |
|---------|------------|---------|-------|---------|-------|--|---|------------|-------------|-----|-----------|-----------|------------|
| (1.5HP) | 186.7 | 50 | 7.5 | 2359 | 2.6 | 63 | 90 | 6.2 | | | | | |
| | 140 | 65 | 10 | 2597 | 2.0 | | | | | | | | |
| | 93.3 | 94 | 15 | 2973 | 1.5 | | | | | | | | |
| | 70 | 123 | 20 | 3272 | 1.1 | | | | | | | | |
| | 56 | 149 | 25 | 3524 | 0.9 | | | | | | | | |
| | 46.7 | 169 | 30 | 3745 | 0.9 | | | | | | | | |
| | | 140 | 66 | 10 | 3065 | 3.0 | 75 | 90 | 9 | | | | |
| | | 93.3 | 97 | 15 | 3509 | 2.1 | | | | | | | |
| | | 70 | 125 | 20 | 3862 | 1.7 | | | | | | | |
| | | 56 | 152 | 25 | 4160 | 1.3 | | | | | | | |
| | | 46.7 | 173 | 30 | 4421 | 1.3 | | | | | | | |
| | | 35 | 220 | 40 | 4865 | 1.0 | | | | | | | |
| | | 28 | 263 | 50 | 5241 | 0.8 | 90 | 90 | 13 | | | | |
| | | 23.3 | 297 | 60 | 5569 | 0.7 | | | | | | | |
| | | 70 | 128 | 20 | 4273 | 3.1 | | | | | | | |
| | | 56 | 156 | 25 | 4603 | 2.4 | | | | | | | |
| | | 46.7 | 178 | 30 | 4891 | 2.4 | | | | | | | |
| | | 35 | 228 | 40 | 5383 | 1.7 | | | | | | | |
| | | 28 | 274 | 50 | 5799 | 1.4 | 110 | 90 | 21 | | | | |
| | | 23.3 | 315 | 60 | 6163 | 1.1 | | | | | | | |
| | | 17.5 | 382 | 80 | 6783 | 0.7 | | | | | | | |
| | | 35 | 237 | 40 | 6803 | 3.0 | | | | | | | |
| | | 28 | 323 | 50 | 7328 | 2.0 | | | | | | | |
| | | 23.3 | 332 | 60 | 7787 | 1.9 | | | | | | | |
| | | 17.5 | 408 | 80 | 8571 | 1.3 | 130 | 90 | 43.5 | | | | |
| | | 14 | 479 | 100 | 9232 | 1.0 | | | | | | | |
| | | 17.5 | 414 | 80 | 11210 | 2.0 | | | | | | | |
| | | 14 | 487 | 100 | 12076 | 1.5 | | | | | | | |
| | | 1.5 | 280 | 46 | 5 | 1980 | | | | 2.2 | 63 | 90 | 6.2 |
| | | (2HP) | 186.7 | 68 | 7.5 | 2359 | | | | 1.9 | | | |
| | 140 | 89 | 10 | 2597 | 1.5 | | | | | | | | |
| | 93.3 | 129 | 15 | 2973 | 1.1 | | | | | | | | |
| | 70 | 167 | 20 | 3272 | 0.8 | | | | | | | | |
| | 186.7 | 68 | 7.5 | 2785 | 2.7 | | | | | | | | |
| | 140 | 90 | 10 | 3065 | 2.2 | | | | | | | | |
| | 93.3 | 132 | 15 | 3509 | 1.5 | | | | | | | | |


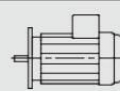


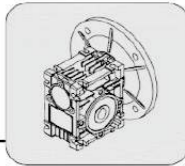
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | |
|---------|--------------|---------|-----|---------|------|---|---|------------|-----------|
| | 70 | 170 | 20 | 3862 | 1.2 | 75 | 90 | 9 | |
| | 56 | 207 | 25 | 4160 | 1.0 | | | | |
| | 46.7 | 236 | 30 | 4421 | 1.0 | | | | |
| | 35 | 300 | 40 | 4865 | 0.7 | | | | |
| | 93.3 | 133 | 15 | 3882 | 3.0 | | | | |
| | 70 | 174 | 20 | 4273 | 2.2 | | | | |
| | | 56 | 213 | 25 | 4603 | 1.8 | 90 | 90 | 13 |
| | | 46.7 | 243 | 30 | 4891 | 1.8 | | | |
| | | 35 | 311 | 40 | 5383 | 1.3 | | | |
| | | 28 | 374 | 50 | 5799 | 1.0 | | | |
| | | 23.3 | 429 | 60 | 6163 | 0.8 | | | |
| | | 56 | 218 | 25 | 5816 | 3.1 | | | |
| | | 46.7 | 245 | 30 | 6181 | 3.0 | 110 | 90 | 21 |
| | | 35 | 323 | 40 | 6803 | 2.2 | | | |
| | | 28 | 440 | 50 | 7328 | 1.5 | | | |
| | | 23.3 | 453 | 60 | 7787 | 1.4 | | | |
| | | 17.5 | 556 | 80 | 8571 | 0.9 | | | |
| | | 14 | 653 | 100 | 9232 | 0.7 | | | |
| | 2.2 (3HP) | 186.7 | 100 | 7.5 | 2785 | 1.8 | 75 | 100 | 9 |
| | | 140 | 132 | 10 | 3065 | 1.5 | | | |
| | | 93.3 | 194 | 15 | 3509 | 1.0 | | | |
| | | 70 | 250 | 20 | 3862 | 0.8 | | | |
| | | 56 | 303 | 25 | 4160 | 0.7 | | | |
| | | 46.7 | 347 | 30 | 4421 | 0.7 | | | |
| | | 186.7 | 101 | 7.5 | 3081 | 3.2 | 90 | 100 | 13 |
| | | 140 | 133 | 10 | 3391 | 2.6 | | | |
| | | 93.3 | 196 | 15 | 3882 | 2.0 | | | |
| | | 70 | 255 | 20 | 4273 | 1.5 | | | |
| | | 56 | 312 | 25 | 4603 | 1.2 | | | |
| | | 46.7 | 356 | 30 | 4891 | 1.2 | | | |
| | | 35 | 456 | 40 | 5383 | 0.9 | 110 | 100 | 21 |
| | | 93.3 | 196 | 15 | 4905 | 3.4 | | | |
| | | 70 | 258 | 20 | 5399 | 2.5 | | | |
| | | 56 | 319 | 25 | 5816 | 2.1 | | | |
| | | 46.7 | 360 | 30 | 6181 | 2.0 | | | |
| | | 35 | 474 | 40 | 6803 | 1.5 | | | |


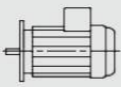


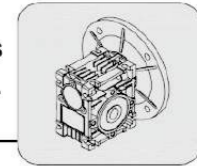
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------|---------|-----|---------|-----|--|---|--------|
| | 28 | 645 | 50 | 7328 | 1.0 | | | |
| | 23.3 | 664 | 60 | 7787 | 0.9 | | | |
| | 56 | 319 | 25 | 7607 | 2.9 | | | |
| | 46.7 | 365 | 30 | 8084 | 2.9 | | | |
| | 35 | 474 | 40 | 8897 | 2.2 | | | |
| | 28 | 570 | 50 | 9584 | 1.7 | 130 | 100 | 43.5 |
| | 23.3 | 658 | 60 | 10185 | 1.4 | | | |
| | 17.5 | 829 | 80 | 11210 | 1.0 | | | |
| | 14 | 975 | 100 | 12076 | 0.8 | | | |
| | 28 | 578 | 50 | 13103 | 2.4 | | | |
| | 23.3 | 666 | 60 | 13924 | 1.9 | 150 | 100 | 77 |
| | 17.5 | 830 | 80 | 15325 | 1.4 | | | |
| | 14 | 973 | 100 | 16508 | 1.0 | | | |
| 3 (4HP) | 186.7 | 137 | 7.5 | 2785 | 1.4 | | | |
| | 140 | 180 | 10 | 3065 | 1.1 | 75 | 100 | 9 |
| | 93.3 | 264 | 15 | 3509 | 0.8 | | | |
| | 186.7 | 138 | 7.5 | 3081 | 2.3 | | | |
| | 140 | 182 | 10 | 3391 | 1.9 | | | |
| | 93.3 | 267 | 15 | 3882 | 1.5 | 90 | 100 | 13 |
| | 70 | 348 | 20 | 4273 | 1.1 | | | |
| | 56 | 425 | 25 | 4603 | 0.9 | | | |
| | 46.7 | 485 | 30 | 4891 | 0.9 | | | |
| | 140 | 182 | 10 | 4285 | 3.3 | | | |
| | 93.3 | 267 | 15 | 4905 | 2.5 | | | |
| | 70 | 352 | 20 | 5399 | 1.8 | | | |
| | 56 | 435 | 25 | 5816 | 1.6 | 110 | 100 | 21 |
| | 46.7 | 491 | 30 | 6181 | 1.5 | | | |
| | 35 | 646 | 40 | 6803 | 1.1 | | | |
| | 28 | 880 | 50 | 7328 | 0.8 | | | |
| | 56 | 435 | 25 | 7607 | 2.1 | | | |
| | 46.7 | 498 | 30 | 8084 | 2.1 | | | |
| | 35 | 647 | 40 | 8897 | 1.6 | | | |
| | 28 | 778 | 50 | 9584 | 1.3 | 130 | 100 | 43.5 |
| | 23.3 | 897 | 60 | 10185 | 1.0 | | | |
| | 17.5 | 1130 | 80 | 11210 | 0.7 | | | |
| | 28 | 788 | 50 | 13103 | 1.8 | | | |





| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|-------------|------------|---------|-----|---------|-----|---|---|--------|
| | 23.3 | 909 | 60 | 13924 | 1.4 | 150 | 100 | 77 |
| | 17.5 | 1131 | 80 | 15325 | 1.0 | | | |
| | 14 | 1327 | 100 | 16508 | 0.8 | | | |
| 4 (5.4HP) | 186.7 | 182 | 7.5 | 2785 | 1.0 | 75 | 112 | 9 |
| | 140 | 240 | 10 | 3065 | 0.8 | | | |
| | 186.7 | 184 | 7.5 | 3081 | 1.7 | | | |
| | 140 | 243 | 10 | 3391 | 1.4 | 90 | 112 | 13 |
| | 93.3 | 356 | 15 | 3882 | 1.1 | | | |
| | 70 | 464 | 20 | 4273 | 0.8 | | | |
| | 186.7 | 184 | 7.5 | 3893 | 3.0 | | | |
| | 140 | 243 | 10 | 4285 | 2.5 | | | |
| | 93.3 | 356 | 15 | 4905 | 1.8 | | | |
| | 70 | 469 | 20 | 5399 | 1.4 | 110 | 112 | 21 |
| | 56 | 580 | 25 | 5816 | 1.2 | | | |
| | 46.7 | 655 | 30 | 6181 | 1.1 | | | |
| | 35 | 861 | 40 | 6803 | 0.8 | | | |
| | 56 | 579 | 25 | 7607 | 1.6 | | | |
| | 46.7 | 663 | 30 | 8084 | 1.6 | | | |
| | 35 | 862 | 40 | 8897 | 1.2 | 130 | 112 | 43.5 |
| | 28 | 1037 | 50 | 9584 | 0.9 | | | |
| | 23.3 | 1196 | 60 | 10185 | 0.8 | | | |
| | 28 | 1051 | 50 | 13103 | 1.3 | | | |
| | 23.3 | 1212 | 60 | 13924 | 1.0 | 150 | 112 | 77 |
| | 17.5 | 1508 | 80 | 15325 | 0.8 | | | |
| 5.5 (7.4HP) | 186.7 | 253 | 7.5 | 3893 | 2.2 | | | |
| | 140 | 334 | 10 | 4285 | 1.8 | | | |
| | 93.3 | 490 | 15 | 4905 | 1.3 | 110 | 132S | 21 |
| | 70 | 645 | 20 | 5399 | 1.0 | | | |
| | 56 | 798 | 25 | 5816 | 0.9 | | | |
| | 46.7 | 900 | 30 | 6181 | 0.8 | | | |
| | 140 | 334 | 10 | 5605 | 2.5 | | | |
| | 93.3 | 490 | 15 | 6416 | 1.9 | | | |
| | 70 | 653 | 20 | 7062 | 1.4 | | | |
| | 56 | 797 | 25 | 7607 | 1.2 | 130 | 132S | 43.5 |
| | 46.7 | 912 | 30 | 8084 | 1.1 | | | |
| | 35 | 1186 | 40 | 8897 | 0.9 | | | |

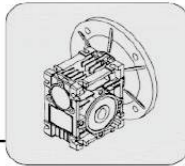




| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|----------------------|--------------|---------|-----|---------|-----|--|---|-------------|
| | 70 | 653 | 20 | 9654 | 2.0 | 150 | 132S | 77 |
| | 56 | 797 | 25 | 10400 | 1.5 | | | |
| | 46.7 | 946 | 30 | 11051 | 1.3 | | | |
| | 35 | 1186 | 40 | 12163 | 1.3 | | | |
| | 28 | 1445 | 50 | 13103 | 1.0 | | | |
| | 23.3 | 1666 | 60 | 13924 | 0.8 | | | |
| 7.5 (10HP) | 186.7 | 345 | 7.5 | 3893 | 1.6 | 110 | 132M | 21 |
| | 140 | 455 | 10 | 4285 | 1.3 | | | |
| | 93.3 | 668 | 15 | 4905 | 1.0 | | | |
| | 70 | 880 | 20 | 5399 | 0.7 | | | |
| | 186.7 | 349 | 7.5 | 5092 | 2.1 | 130 | 132M | 43.5 |
| | 140 | 455 | 10 | 5605 | 1.8 | | | |
| | 93.3 | 668 | 15 | 6416 | 1.4 | | | |
| | 70 | 890 | 20 | 7062 | 1.0 | | | |
| | 56 | 1086 | 25 | 7607 | 0.9 | | | |
| | 46.7 | 1244 | 30 | 8084 | 0.8 | | | |
| | 35 | 1617 | 40 | 8897 | 0.6 | | | |
| | 70 | 890 | 20 | 9654 | 1.5 | 150 | 132M | 77 |
| | 56 | 1087 | 25 | 10400 | 1.1 | | | |
| | 46.7 | 1289 | 30 | 11051 | 0.9 | | | |
| | 35 | 1617 | 40 | 12163 | 1.0 | | | |
| | 28 | 1970 | 50 | 13103 | 0.7 | | | |
| 11 (15HP) | 186.7 | 512 | 7.5 | 6962 | 2.3 | 150 | 160M | 77 |
| | 140 | 675 | 10 | 7663 | 1.8 | | | |
| | 93.3 | 991 | 15 | 8771 | 1.3 | | | |
| | 70 | 1306 | 20 | 9654 | 1.0 | | | |
| | 56 | 1594 | 25 | 10400 | 0.8 | | | |
| 15 (20HP) | 186.7 | 698 | 7.5 | 6962 | 1.7 | 150 | 160L | 77 |
| | 140 | 921 | 10 | 7663 | 1.3 | | | |
| | 93.3 | 1351 | 15 | 8771 | 0.9 | | | |
| | 70 | 1781 | 20 | 9654 | 0.7 | | | |

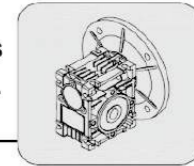




3.2.2 H+PC 選型表 Input Flange+PC Type

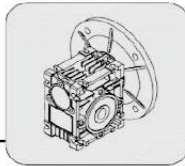
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | | |
|-------------------------|-------------------------|---------|-------|---------|------|---|---|------------|-----------|--------------|--------------|------------|
| 0.12 (0.16HP) | 20.5 | 42 | 68.25 | 2833 | 1.2 | 40 | PC063 | 3.4 | | | | |
| | 17.1 | 46 | 81.9 | 3011 | 1.2 | | | | | | | |
| | 12.8 | 57 | 109.2 | 3314 | 0.9 | | | | | | | |
| | 10.3 | 66 | 136.5 | 3490 | 0.7 | | | | | | | |
| | 8.5 | 74 | 163.8 | 3490 | 0.6 | | | | | | | |
| | 10.3 | 68 | 136.5 | 4840 | 1.3 | 50 | PC063 | 4.6 | | | | |
| | 8.5 | 75 | 163.8 | 4840 | 1.1 | | | | | | | |
| | 6.4 | 88 | 218.4 | 4840 | 0.8 | | | | | | | |
| | 5.1 | 98 | 273 | 4840 | 0.7 | | | | | | | |
| | 6.4 | 92 | 218.4 | 6270 | 1.5 | | | | | | | |
| | 5.1 | 103 | 273 | 6270 | 1.2 | 63 | PC063 | 7.3 | | | | |
| | 0.18 (0.25HP) | 20.5 | 64 | 68.25 | 2833 | | | | 0.8 | 40 | PC063 | 3.4 |
| | | 17.1 | 70 | 81.9 | 3011 | | | | 0.8 | | | |
| | | 12.8 | 85 | 109.2 | 3314 | | | | 0.6 | | | |
| | | 20.5 | 64 | 68.25 | 3889 | | | | 1.4 | | | |
| | 17.1 | 71 | 81.9 | 4132 | 1.5 | | | | | | | |
| | 12.8 | 87 | 109.2 | 4548 | 1.1 | | | | | | | |
| | 10.3 | 101 | 136.5 | 4840 | 0.9 | | | | | | | |
| | 8.5 | 113 | 163.8 | 4840 | 0.7 | | | | | | | |
| | 6.4 | 133 | 218.4 | 4840 | 0.6 | 63 | PC063 | 7.3 | | | | |
| | 10.3 | 103 | 136.5 | 6270 | 1.7 | | | | | | | |
| | 8.5 | 117 | 163.8 | 6270 | 1.4 | | | | | | | |
| | 6.4 | 139 | 218.4 | 6270 | 1.0 | | | | | | | |
| | 5.1 | 155 | 273 | 6270 | 0.8 | | | | | | | |
| 0.22 (0.3HP) | 20.5 | 78 | 68.25 | 3889 | 1.2 | 50 | PC063 | 4.6 | | | | |
| | 17.1 | 86 | 81.9 | 4132 | 1.2 | | | | | | | |
| | 12.8 | 106 | 109.2 | 4548 | 0.9 | | | | | | | |
| | 10.3 | 126 | 136.5 | 6270 | 1.4 | | | | | | | |
| | 8.5 | 143 | 163.8 | 6270 | 1.1 | 63 | PC063 | 7.3 | | | | |
| | 0.25 (0.34HP) | 20.5 | 88 | 68.25 | 3889 | | | | 1.0 | 50 | PC071 | 5.1 |
| | | 17.1 | 98 | 81.9 | 4132 | | | | 1.1 | | | |
| | | 12.8 | 121 | 109.2 | 4548 | | | | 0.8 | | | |
| | 20.5 | 91 | 68.25 | 5083 | 1.8 | 63 | PC071 | 7.8 | | | | |
| | 17.1 | 100 | 81.9 | 5401 | 2.0 | | | | | | | |
| | 12.8 | 125 | 109.2 | 5945 | 1.5 | | | | | | | |
| | 10.3 | 143 | 136.5 | 6270 | 1.2 | | | | | | | |
| | 8.5 | 163 | 163.8 | 6270 | 1.0 | 63 | PC071 | 7.8 | | | | |
| | 6.4 | 192 | 218.4 | 6270 | 0.7 | | | | | | | |
| | 5.1 | 215 | 273 | 6270 | 0.6 | | | | | | | |
| | 10.3 | 151 | 136.5 | 7380 | 1.7 | | | | 75 | PC071 | 10.6 | |
| 8.5 | 172 | 163.8 | 7380 | 1.4 | | | | | | | | |
| 6.4 | 201 | 218.4 | 7380 | 1.1 | | | | | | | | |
| 5.1 | 230 | 273 | 7380 | 0.9 | | | | | | | | |
| 0.37 (0.5HP) | 20.5 | 134 | 68.25 | 5083 | 1.2 | 63 | PC071 | 7.8 | | | | |
| | 17.1 | 148 | 81.9 | 5401 | 1.4 | | | | | | | |
| | 12.8 | 185 | 109.2 | 5945 | 1.0 | | | | | | | |



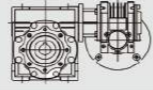
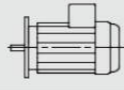
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------|------------|---------|-------|---------|-----|--|---|--------|
| | 10.3 | 212 | 136.5 | 6270 | 0.8 | | | |
| | 20.5 | 138 | 68.25 | 6000 | 1.8 | | | |
| | 17.1 | 154 | 81.9 | 6375 | 1.9 | | | |
| | 12.8 | 191 | 109.2 | 7017 | 1.5 | 75 | PC071 | 10.6 |
| | 10.3 | 223 | 136.5 | 7380 | 1.1 | | | |
| | 8.5 | 254 | 163.8 | 7380 | 0.9 | | | |
| | 8.5 | 268 | 163.8 | 8180 | 1.5 | | | |
| | 6.4 | 321 | 218.4 | 8180 | 1.1 | 90 | PC071 | 14.6 |
| | 5.1 | 371 | 273 | 8180 | 0.9 | | | |
| 0.55 (0.75HP) | 20.5 | 200 | 68.25 | 5083 | 0.8 | | | |
| | 17.1 | 219 | 81.9 | 5401 | 0.9 | 63 | PC071 | 7.8 |
| | 20.5 | 205 | 68.25 | 6000 | 1.2 | | | |
| | 17.1 | 230 | 81.9 | 6375 | 1.3 | 75 | PC071 | 10.6 |
| | 12.8 | 284 | 109.2 | 7017 | 1.0 | | | |
| | 20 | 205 | 70 | 6000 | 1.2 | | | |
| | 16.7 | 230 | 84 | 6375 | 1.3 | 75 | PC080 | 12.4 |
| | 12.5 | 284 | 112 | 7017 | 1.0 | | | |
| | 10 | 332 | 140 | 7380 | 0.8 | | | |
| | 16.7 | 240 | 84 | 7054 | 2.3 | | | |
| | 12.5 | 297 | 112 | 7764 | 1.6 | 90 | PC080 | 16.4 |
| | 10 | 355 | 140 | 8180 | 1.3 | | | |
| | 8.3 | 398 | 168 | 8180 | 1.0 | | | |
| | 8.3 | 425 | 168 | 10320 | 1.8 | | | |
| | 6.3 | 513 | 224 | 10320 | 1.3 | 110 | PC080 | 38.4 |
| | 5 | 597 | 280 | 10320 | 1.0 | | | |
| 0.75 (1HP) | 20 | 280 | 70 | 6000 | 0.9 | | | |
| | 16.7 | 313 | 84 | 6375 | 1.0 | 75 | PC080 | 12.4 |
| | 16.7 | 327 | 84 | 7054 | 1.7 | | | |
| | 12.5 | 405 | 112 | 7764 | 1.2 | 90 | PC080 | 16.4 |
| | 10 | 483 | 140 | 8180 | 0.9 | | | |
| | 8.3 | 543 | 168 | 8180 | 0.7 | | | |
| | 12.5 | 430 | 112 | 9811 | 2.2 | | | |
| | 10 | 506 | 140 | 10320 | 1.7 | 110 | PC080 | 38.4 |
| | 8.3 | 580 | 168 | 10320 | 1.3 | | | |
| | 6.3 | 700 | 224 | 10320 | 0.9 | | | |
| | 6.3 | 712 | 224 | 13500 | 1.4 | 130 | PC080 | 51.4 |
| | 5 | 813 | 280 | 13500 | 1.1 | | | |
| 0.92 (1.24HP) | 20 | 344 | 70 | 6000 | 0.7 | | | |
| | 16.7 | 384 | 84 | 6375 | 0.8 | 75 | PC080 | 12.4 |
| | 16.7 | 401 | 84 | 7054 | 1.4 | | | |
| | 12.5 | 497 | 112 | 7764 | 1.0 | 90 | PC080 | 16.4 |
| | 10 | 593 | 140 | 8180 | 0.8 | | | |
| | 20 | 367 | 70 | 8388 | 2.5 | | | |
| | 12.5 | 527 | 112 | 9811 | 1.8 | 110 | PC080 | 38.4 |
| | 10 | 621 | 140 | 10320 | 1.4 | | | |
| | 8.3 | 712 | 168 | 10320 | 1.1 | | | |

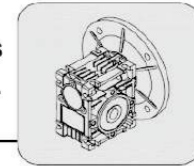


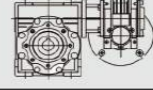
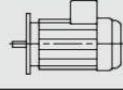
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------------|------------|---------|-------|---------|-----|---|---|--------|
| | 8.3 | 712 | 168 | 13500 | 1.5 | | | |
| | 6.3 | 874 | 224 | 13500 | 1.1 | 130 | PC080 | 51.4 |
| | 5 | 998 | 280 | 13500 | 0.9 | | | |
| 1.1 (1.5HP) | 19 | 392 | 73.5 | 8298 | 2.5 | | | |
| | 14.3 | 508 | 98 | 9133 | 1.8 | | | |
| | 11.4 | 599 | 122.5 | 9838 | 1.5 | 110 | PC090 | 38.4 |
| | 9.5 | 686 | 147 | 10320 | 1.1 | | | |
| | 7.1 | 828 | 196 | 10320 | 0.8 | | | |
| | 19 | 398 | 73.5 | 10853 | 3.5 | | | |
| | 14.3 | 508 | 98 | 11945 | 2.6 | | | |
| | 11.4 | 608 | 122.5 | 12868 | 2.0 | 130 | PC090 | 51.4 |
| | 9.5 | 686 | 147 | 13500 | 1.6 | | | |
| | 7.1 | 843 | 196 | 13500 | 1.2 | | | |
| | 5.7 | 962 | 245 | 13500 | 0.9 | | | |
| 1.5 (2HP) | 19 | 535 | 73.5 | 8298 | 1.9 | | | |
| | 14.3 | 693 | 98 | 9133 | 1.3 | | | |
| | 11.4 | 817 | 122.5 | 9838 | 1.1 | 110 | PC090 | 38.4 |
| | 9.5 | 936 | 147 | 10320 | 0.8 | | | |
| | 19 | 542 | 73.5 | 10853 | 2.6 | | | |
| | 14.3 | 693 | 98 | 11945 | 1.9 | | | |
| | 11.4 | 830 | 122.5 | 12868 | 1.5 | 130 | PC090 | 51.4 |
| | 9.5 | 936 | 147 | 13500 | 1.1 | | | |
| | 7.1 | 1149 | 196 | 13500 | 0.8 | | | |
| 1.84 (2.48HP) | 19 | 656 | 73.5 | 8298 | 1.5 | | | |
| | 14.3 | 850 | 98 | 9133 | 1.1 | 110 | PC090 | 38.4 |
| | 11.4 | 1002 | 122.5 | 9838 | 0.9 | | | |
| | 19 | 665 | 73.5 | 10853 | 2.1 | | | |
| | 14.3 | 850 | 98 | 11945 | 1.5 | | | |
| | 11.4 | 1018 | 122.5 | 12868 | 1.2 | 130 | PC090 | 51.4 |
| | 9.5 | 1148 | 147 | 13500 | 0.9 | | | |

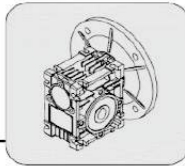


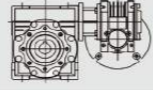
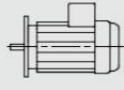
3.2.3 Double Redution+Motor 選型表 Input Flange Type(Double Reduction)

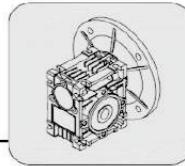
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|------------------|------------|---------|------|---------|-------|--|---|--------|
| 0.06 (0.08HP) | 14 | 27 | 100 | 2769 | 2.7 | 30-40 | 56 | 3.5 |
| | 9.3 | 36 | 150 | 3169 | 2.0 | | | |
| | 7 | 49 | 200 | 3488 | 1.3 | | | |
| | 5.6 | 52 | 250 | 3490 | 1.2 | | | |
| | 4.7 | 63 | 300 | 3490 | 1.2 | | | |
| 3.5 | 78 | 400 | 3490 | 0.8 | | | | |
| 7 | 48 | 200 | 4788 | 2.5 | 30-50 | 56 | 4.7 | |
| 5.6 | 55 | 250 | 4840 | 2.0 | | | | |
| 4.7 | 62 | 300 | 4840 | 2.3 | | | | |
| 3.5 | 74 | 400 | 4840 | 1.7 | | | | |
| 2.8 | 90 | 500 | 4840 | 1.3 | | | | |
| 2.3 | 109 | 600 | 4840 | 1.3 | | | | |
| 1.9 | 124 | 750 | 4840 | 1.2 | | | | |
| 1.6 | 145 | 900 | 4840 | 1.0 | | | | |
| 1.2 | 174 | 1200 | 4840 | 0.8 | | | | |
| 0.9 | 218 | 1500 | 4840 | 0.7 | | | | |
| 3.5 | 77 | 400 | 6270 | 3.3 | 30-63 | 56 | 7.4 | |
| 2.8 | 89 | 500 | 6270 | 2.7 | | | | |
| 2.3 | 108 | 600 | 6270 | 2.5 | | | | |
| 1.9 | 125 | 750 | 6270 | 2.2 | | | | |
| 1.6 | 148 | 900 | 6270 | 1.8 | | | | |
| 1.2 | 181 | 1200 | 6270 | 1.5 | | | | |
| 0.9 | 203 | 1500 | 6270 | 1.3 | | | | |
| 0.8 | 232 | 1800 | 6270 | 1.2 | | | | |
| 0.6 | 306 | 2400 | 6270 | 0.8 | | | | |
| 0.5 | 354 | 3000 | 6270 | 0.7 | | | | |
| 2.8 | 103 | 500 | 3800 | 1.3 | 40-50 | 56 | 5.8 | |
| 2.3 | 124 | 600 | 4840 | 1.2 | | | | |
| 1.9 | 145 | 750 | 4840 | 1.0 | | | | |
| 1.6 | 162 | 900 | 4350 | 0.8 | | | | |
| 0.9 | 232 | 1500 | 6270 | 1.2 | | | | |
| 0.8 | 271 | 1800 | 6270 | 1.0 | 40-63 | 56 | 8.5 | |
| 0.6 | 306 | 2400 | 6270 | 0.8 | | | | |
| 0.9 | 242 | 1500 | 7380 | 1.8 | 40-75 | 56 | 11.3 | |
| 0.8 | 266 | 1800 | 7380 | 1.7 | | | | |
| 0.6 | 355 | 2400 | 7380 | 1.2 | | | | |
| 0.5 | 368 | 3000 | 7380 | 1.0 | | | | |
| 0.4 | 442 | 4000 | 7380 | 0.8 | | | | |
| 0.3 | 552 | 5000 | 7380 | 0.7 | | | | |
| 0.9 | 263 | 1500 | 8180 | 2.7 | | | | |
| 0.8 | 300 | 1800 | 8180 | 2.3 | 40-90 | 56 | 15.3 | |
| 0.6 | 366 | 2400 | 8180 | 1.7 | | | | |
| 0.5 | 420 | 3000 | 8180 | 1.3 | | | | |
| 0.4 | 480 | 4000 | 8180 | 1.2 | | | | |
| 0.3 | 560 | 5000 | 8180 | 1.0 | | | | |
| 0.09 (0.12HP) | 14 | 40 | 100 | 2769 | 1.8 | 30-40 | 56 | 3.5 |
| | 9.3 | 54 | 150 | 3169 | 1.3 | | | |
| | 7 | 73 | 200 | 3488 | 0.9 | | | |
| | 5.6 | 78 | 250 | 3490 | 0.8 | | | |
| | 4.7 | 94 | 300 | 3490 | 0.8 | | | |
| 14 | 40 | 100 | 3800 | 3.4 | | | | |
| 9.3 | 55 | 150 | 4350 | 2.4 | | | | |

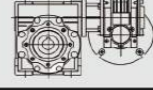
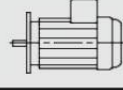


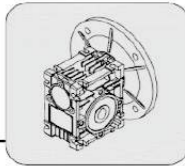
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|------------------|------------|---------|------|---------|-------|---|---|--------|-------|-----|-----|
| 0.12 (0.16HP) | 7 | 72 | 200 | 4788 | 1.7 | 30-50 | 56 | 4.7 | | | |
| | 5.6 | 83 | 250 | 4840 | 1.3 | | | | | | |
| | 4.7 | 93 | 300 | 4840 | 1.6 | | | | | | |
| | 3.5 | 112 | 400 | 4840 | 1.1 | | | | | | |
| | 2.8 | 135 | 500 | 4840 | 0.9 | | | | | | |
| | 2.3 | 163 | 600 | 4840 | 0.9 | | | | | | |
| | 1.9 | 186 | 750 | 4840 | 0.8 | | | | | | |
| | 1.6 | 218 | 900 | 4840 | 0.7 | | | | | | |
| | 5.6 | 87 | 250 | 6270 | 2.7 | | | | 30-63 | 56 | 7.4 |
| | 4.7 | 88 | 300 | 6270 | 2.9 | | | | | | |
| | 3.5 | 115 | 400 | 6270 | 2.2 | | | | | | |
| | 2.8 | 133 | 500 | 6270 | 1.8 | | | | | | |
| | 2.3 | 163 | 600 | 6270 | 1.7 | | | | | | |
| | 1.9 | 188 | 750 | 6270 | 1.4 | | | | | | |
| | 1.6 | 222 | 900 | 6270 | 1.2 | | | | | | |
| 1.2 | 271 | 1200 | 6270 | 1.0 | | | | | | | |
| 0.9 | 305 | 1500 | 6270 | 0.9 | | | | | | | |
| 0.8 | 348 | 1800 | 6270 | 0.8 | | | | | | | |
| 2.8 | 154 | 500 | 3800 | 0.9 | 40-50 | 56 | 5.8 | | | | |
| 0.9 | 348 | 1500 | 6270 | 0.8 | | | | 40-63 | 56 | 8.5 | |
| 0.9 | 363 | 1500 | 7380 | 1.2 | 40-75 | 56 | 11.3 | | | | |
| 0.8 | 400 | 1800 | 7380 | 1.1 | | | | | | | |
| 0.6 | 532 | 2400 | 7380 | 0.8 | | | | | | | |
| 0.5 | 630 | 3000 | 8180 | 0.9 | 40-90 | 56 | 15.3 | | | | |
| 0.4 | 720 | 4000 | 8180 | 0.8 | | | | | | | |
| 0.12 (0.16HP) | 14 | 53 | 100 | 3800 | 2.6 | 30-50 | 63 | 4.7 | | | |
| | 9.3 | 74 | 150 | 4350 | 1.8 | | | | | | |
| | 7 | 96 | 200 | 4788 | 1.3 | | | | | | |
| | 5.6 | 110 | 250 | 4840 | 1.0 | | | | | | |
| | 4.7 | 124 | 300 | 4840 | 1.2 | | | | | | |
| | 3.5 | 149 | 400 | 4840 | 0.8 | | | | | | |
| | 2.8 | 180 | 500 | 4840 | 0.7 | | | | | | |
| | 14 | 53 | 100 | 4967 | 2.8 | | | | 30-63 | 63 | 7.4 |
| | 9.3 | 74 | 150 | 5686 | 2.8 | | | | | | |
| | 7 | 95 | 200 | 6259 | 2.7 | | | | | | |
| | 5.6 | 116 | 250 | 6270 | 2.0 | | | | | | |
| | 4.7 | 118 | 300 | 6270 | 2.2 | | | | | | |
| | 3.5 | 153 | 400 | 6270 | 1.7 | | | | | | |
| | 2.8 | 177 | 500 | 6270 | 1.3 | | | | | | |
| | 2.3 | 217 | 600 | 6270 | 1.3 | | | | | | |
| 1.9 | 250 | 750 | 6270 | 1.1 | | | | | | | |
| 1.6 | 296 | 900 | 6270 | 0.9 | | | | | | | |
| 1.2 | 361 | 1200 | 6270 | 0.8 | | | | | | | |
| 14 | 55 | 100 | 3800 | 2.5 | 40-50 | 63 | 5.8 | | | | |
| 9.3 | 77 | 150 | 4350 | 1.8 | | | | | | | |
| 7 | 96 | 200 | 4788 | 1.3 | | | | | | | |
| 5.6 | 110 | 250 | 4840 | 1.0 | | | | | | | |
| 4.7 | 124 | 300 | 4840 | 1.2 | | | | | | | |
| 3.5 | 149 | 400 | 4840 | 0.8 | | | | | | | |

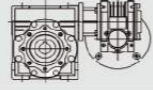
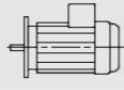
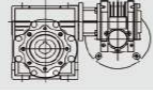
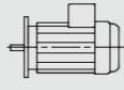


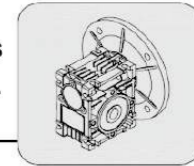
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------------|------------|---------|------|---------|-----|--|---|-------------|
| | 9.3 | 78 | 150 | 5686 | 3.3 | | | |
| | 7 | 98 | 200 | 6259 | 2.6 | | | |
| | 5.6 | 116 | 250 | 6270 | 2.0 | | | |
| | 4.7 | 125 | 300 | 6270 | 2.2 | | | |
| | 3.5 | 153 | 400 | 6270 | 1.7 | 40-63 | 63 | 8.5 |
| | 2.8 | 213 | 500 | 6270 | 1.1 | | | |
| | 2.3 | 232 | 600 | 6270 | 1.2 | | | |
| | 1.9 | 296 | 750 | 6270 | 0.9 | | | |
| | 1.6 | 325 | 900 | 6270 | 0.8 | | | |
| | 5.6 | 120 | 250 | 7380 | 3.2 | | | |
| | 4.7 | 133 | 300 | 7380 | 3.3 | | | |
| | 3.5 | 166 | 400 | 7380 | 2.5 | | | |
| | 2.8 | 184 | 500 | 7380 | 2.0 | | | |
| | 2.3 | 254 | 600 | 7380 | 1.8 | 40-75 | 63 | 11.3 |
| | 1.9 | 296 | 750 | 7380 | 1.5 | | | |
| | 1.6 | 333 | 900 | 7380 | 1.3 | | | |
| | 1.2 | 410 | 1200 | 7380 | 1.1 | | | |
| | 0.9 | 484 | 1500 | 7380 | 0.9 | | | |
| | 0.8 | 533 | 1800 | 7380 | 0.8 | | | |
| | 2.8 | 204 | 500 | 8180 | 2.8 | | | |
| | 2.3 | 263 | 600 | 8180 | 2.7 | | | |
| | 1.9 | 311 | 750 | 8180 | 2.3 | | | |
| | 1.6 | 350 | 900 | 8180 | 2.0 | | | |
| | 1.2 | 442 | 1200 | 8180 | 1.6 | 40-90 | 63 | 15.3 |
| | 0.9 | 525 | 1500 | 8180 | 1.3 | | | |
| | 0.8 | 600 | 1800 | 8180 | 1.2 | | | |
| | 0.6 | 732 | 2400 | 8180 | 0.8 | | | |
| | 1.2 | 442 | 1200 | 8180 | 1.6 | | | |
| | 0.9 | 525 | 1500 | 8180 | 1.3 | 50-90 | 63 | 16.5 |
| | 0.8 | 600 | 1800 | 8180 | 1.2 | | | |
| | 0.6 | 732 | 2400 | 8180 | 0.8 | | | |
| | 1.2 | 446 | 1200 | 10320 | 2.8 | | | |
| | 0.9 | 523 | 1500 | 10320 | 2.4 | | | |
| | 0.8 | 584 | 1800 | 10320 | 2.2 | | | |
| | 0.6 | 748 | 2400 | 10320 | 1.6 | 50-110 | 63 | 38.5 |
| | 0.5 | 943 | 3000 | 10320 | 1.2 | | | |
| | 0.4 | 1100 | 4000 | 10320 | 1.0 | | | |
| | 0.3 | 1320 | 5000 | 10320 | 0.8 | | | |
| 0.18 (0.25HP) | 14 | 80 | 100 | 2769 | 0.9 | 30-40 | 63 | 3.5 |
| | 14 | 80 | 100 | 3800 | 1.7 | | | |
| | 9.3 | 110 | 150 | 4350 | 1.2 | | | |
| | 7 | 144 | 200 | 4788 | 0.8 | 30-50 | 63 | 4.7 |
| | 5.6 | 165 | 250 | 4840 | 0.7 | | | |
| | 4.7 | 186 | 300 | 4840 | 0.8 | | | |
| | 14 | 79 | 100 | 4967 | 1.9 | | | |
| | 9.3 | 112 | 150 | 5686 | 1.9 | | | |
| | 7 | 142 | 200 | 6259 | 1.8 | 30-63 | 63 | 7.4 |
| | 5.6 | 173 | 250 | 6270 | 1.3 | | | |
| | 4.7 | 177 | 300 | 6270 | 1.4 | | | |

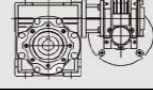
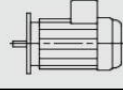
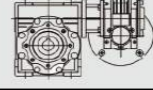
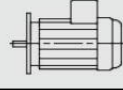


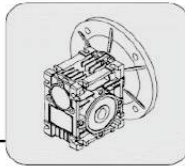
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------------------------|------------|---------|------|---------|-----|---|---|-------------|
| | 3.5 | 230 | 400 | 6270 | 1.1 | | | |
| | 2.8 | 266 | 500 | 6270 | 0.9 | | | |
| | 2.3 | 325 | 600 | 6270 | 0.8 | | | |
| | 14 | 82 | 100 | 3800 | 1.7 | | | |
| | 9.3 | 116 | 150 | 4350 | 1.2 | | | |
| | 7 | 144 | 200 | 4788 | 0.8 | 40-50 | 63 | 5.8 |
| | 5.6 | 165 | 250 | 4840 | 0.7 | | | |
| | 4.7 | 186 | 300 | 4840 | 0.8 | | | |
| | 14 | 83 | 100 | 4967 | 3.1 | | | |
| | 9.3 | 117 | 150 | 5686 | 2.2 | | | |
| | 7 | 147 | 200 | 6259 | 1.7 | | | |
| | 5.6 | 173 | 250 | 6270 | 1.3 | | | |
| | 4.7 | 188 | 300 | 6270 | 1.4 | 40-63 | 63 | 8.5 |
| | 3.5 | 230 | 400 | 6270 | 1.1 | | | |
| | 2.8 | 320 | 500 | 6270 | 0.7 | | | |
| | 2.3 | 348 | 600 | 6270 | 0.8 | | | |
| | 7 | 151 | 200 | 7380 | 2.8 | | | |
| | 5.6 | 180 | 250 | 7380 | 2.1 | | | |
| | 4.7 | 200 | 300 | 7380 | 2.2 | | | |
| | 3.5 | 248 | 400 | 7380 | 1.7 | | | |
| | 2.8 | 276 | 500 | 7380 | 1.3 | 40-75 | 63 | 11.3 |
| | 2.3 | 381 | 600 | 7380 | 1.2 | | | |
| | 1.9 | 444 | 750 | 7380 | 1.0 | | | |
| | 1.6 | 500 | 900 | 7380 | 0.9 | | | |
| | 1.2 | 615 | 1200 | 7380 | 0.7 | | | |
| | 5.6 | 187 | 250 | 8180 | 3.1 | | | |
| | 4.7 | 210 | 300 | 8180 | 3.3 | | | |
| | 3.5 | 261 | 400 | 8180 | 2.3 | | | |
| | 2.8 | 305 | 500 | 8180 | 1.8 | | | |
| | 2.3 | 394 | 600 | 8180 | 1.8 | | | |
| | 1.9 | 467 | 750 | 8180 | 1.5 | 40-90 | 63 | 15.3 |
| | 1.6 | 525 | 900 | 8180 | 1.3 | | | |
| | 1.2 | 663 | 1200 | 8180 | 1.1 | | | |
| | 0.9 | 788 | 1500 | 8180 | 0.9 | | | |
| | 0.8 | 900 | 1800 | 8180 | 0.8 | | | |
| | 1.2 | 663 | 1200 | 8180 | 1.1 | | | |
| | 0.9 | 788 | 1500 | 8180 | 0.9 | 50-90 | 63 | 16.5 |
| | 0.8 | 900 | 1800 | 8180 | 0.8 | | | |
| | 1.2 | 670 | 1200 | 10320 | 1.9 | | | |
| | 0.9 | 785 | 1500 | 10320 | 1.6 | | | |
| | 0.8 | 876 | 1800 | 10320 | 1.4 | 50-110 | 63 | 38.5 |
| | 0.6 | 1123 | 2400 | 10320 | 1.1 | | | |
| | 0.5 | 1414 | 3000 | 10320 | 0.8 | | | |
| 0.25 (0.34HP) | 14 | 114 | 100 | 3800 | 1.2 | 40-50 | 71 | 5.8 |
| | 9.3 | 161 | 150 | 4350 | 0.8 | | | |
| | 14 | 115 | 100 | 4967 | 2.2 | | | |
| | 9.3 | 163 | 150 | 5686 | 1.6 | | | |
| | 7 | 204 | 200 | 6259 | 1.2 | 40-63 | 71 | 8.5 |
| | 5.6 | 241 | 250 | 6270 | 1.0 | | | |

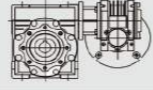
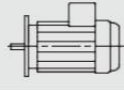


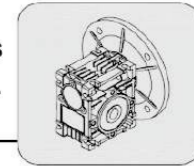
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------|---------|-------|---------|--|---|---|--------|
| 4.7 | 261 | 300 | 6270 | 1.0 |  |  | 71 | 11.3 |
| 3.5 | 319 | 400 | 6270 | 0.8 | | | | |
| 14 | 116 | 100 | 5863 | 3.0 | | | | |
| 9.3 | 166 | 150 | 6712 | 2.6 | | | | |
| 7 | 210 | 200 | 7380 | 2.0 | | | | |
| 5.6 | 250 | 250 | 7380 | 1.5 | | | | |
| 4.7 | 278 | 300 | 7380 | 1.6 | | | | |
| 3.5 | 345 | 400 | 7380 | 1.2 | | | | |
| 2.8 | 383 | 500 | 7380 | 1.0 | | | | |
| 2.3 | 529 | 600 | 7380 | 0.8 | | | | |
| 1.9 | 617 | 750 | 7380 | 0.7 | | | | |
| 14 | 119 | 100 | 6487 | 3.0 | | | | |
| 9.3 | 169 | 150 | 7426 | 3.0 | | | | |
| 7 | 218 | 200 | 8174 | 2.8 | | | | |
| 5.6 | 259 | 250 | 8180 | 2.2 | | | | |
| 4.7 | 292 | 300 | 8180 | 2.4 | | | | |
| 3.5 | 363 | 400 | 8180 | 1.7 | | | | |
| 2.8 | 424 | 500 | 8180 | 1.3 | | | | |
| 2.3 | 547 | 600 | 8180 | 1.3 | | | | |
| 1.9 | 648 | 750 | 8180 | 1.1 | | | | |
| 1.6 | 729 | 900 | 8180 | 1.0 | | | | |
| 1.2 | 921 | 1200 | 8180 | 0.8 | | | | |
| 7 | 221 | 200 | 8174 | 2.8 | | | | |
| 5.6 | 269 | 250 | 8180 | 2.1 | | | | |
| 4.7 | 297 | 300 | 8180 | 2.4 | | | | |
| 3.5 | 372 | 400 | 8180 | 1.6 | | | | |
| 2.8 | 491 | 500 | 8180 | 1.2 | | | | |
| 2.3 | 547 | 600 | 8180 | 1.3 | | | | |
| 1.9 | 648 | 750 | 8180 | 1.1 | | | | |
| 1.6 | 761 | 900 | 8180 | 0.9 | | | | |
| 1.2 | 921 | 1200 | 8180 | 0.8 | | | | |
| 3.5 | 385 | 400 | 10320 | 3.1 | | | | |
| 2.8 | 514 | 500 | 10320 | 2.3 | | | | |
| 2.3 | 545 | 600 | 10320 | 2.3 | | | | |
| 1.9 | 659 | 750 | 10320 | 1.9 | | | | |
| 1.6 | 753 | 900 | 10320 | 1.7 | | | | |
| 1.2 | 930 | 1200 | 10320 | 1.4 | | | | |
| 0.9 | 1091 | 1500 | 10320 | 1.2 | | | | |
| 0.8 | 1216 | 1800 | 10320 | 1.0 | | | | |
| 0.6 | 1559 | 2400 | 10320 | 0.8 | | | | |
| 3.5 | 385 | 400 | 10320 | 3.1 | | | | |
| 2.8 | 524 | 500 | 10320 | 2.2 | | | | |
| 2.3 | 565 | 600 | 10320 | 2.2 | | | | |
| 1.9 | 673 | 750 | 10320 | 1.9 | | | | |
| 1.6 | 771 | 900 | 10320 | 1.6 | | | | |
| 1.2 | 988 | 1200 | 10320 | 1.3 | | | | |
| 0.9 | 1129 | 1500 | 10320 | 1.1 | | | | |
| 0.8 | 1318 | 1800 | 10320 | 1.0 | | | | |
| 0.6 | 1646 | 2400 | 10320 | 0.7 | | | | |

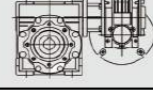
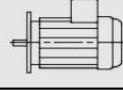


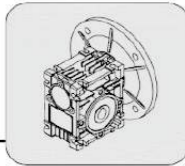
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|--------------|------------|---------|-------|---------|---|---|---|--------|
| 2.8 | 461 | 500 | 13500 | 3.4 |  |  | 71 | 54.2 |
| 2.3 | 571 | 600 | 13500 | 3.1 | | | | |
| 1.9 | 688 | 750 | 13500 | 2.6 | | | | |
| 1.6 | 786 | 900 | 13500 | 2.2 | | | | |
| 1.2 | 978 | 1200 | 13500 | 1.8 | | | | |
| 0.9 | 1158 | 1500 | 13500 | 1.5 | | | | |
| 0.8 | 1333 | 1800 | 13500 | 1.3 | | | | |
| 0.6 | 1650 | 2400 | 13500 | 1.0 | | | | |
| 0.5 | 2039 | 3000 | 13500 | 0.8 | | | | |
| 0.4 | 2422 | 4000 | 13500 | 0.6 | | | | |
| 0.3 | 2768 | 5000 | 13500 | 0.6 | | | | |
| 1.9 | 670 | 750 | 18000 | 3.5 | | | | |
| 1.6 | 847 | 900 | 18000 | 2.5 | | | | |
| 1.2 | 1011 | 1200 | 18000 | 2.6 | | | | |
| 0.9 | 1189 | 1500 | 18000 | 2.0 | | | | |
| 0.8 | 1419 | 1800 | 18000 | 1.5 | | | | |
| 0.6 | 1712 | 2400 | 18000 | 1.6 | | | | |
| 0.5 | 2009 | 3000 | 18000 | 1.2 | | | | |
| 0.4 | 2427 | 4000 | 18000 | 1.0 | | | | |
| 0.3 | 2774 | 5000 | 18000 | 0.8 | | | | |
| 0.37 (0.5HP) | 14 | 169 | 100 | 3800 | 0.8 | | | |
| 14 | 170 | 100 | 4967 | 1.5 | | | | |
| 9.3 | 241 | 150 | 5686 | 1.1 | | | | |
| 7 | 302 | 200 | 6259 | 0.8 | | | | |
| 14 | 171 | 100 | 5863 | 2.1 | | | | |
| 9.3 | 246 | 150 | 6712 | 1.7 | | | | |
| 7 | 311 | 200 | 7380 | 1.4 | | | | |
| 5.6 | 370 | 250 | 7380 | 1.0 | | | | |
| 4.7 | 411 | 300 | 7380 | 1.1 | | | | |
| 3.5 | 511 | 400 | 7380 | 0.8 | | | | |
| 14 | 176 | 100 | 6487 | 2.1 | | | | |
| 9.3 | 251 | 150 | 7426 | 2.1 | | | | |
| 7 | 322 | 200 | 8174 | 1.9 | | | | |
| 5.6 | 383 | 250 | 8180 | 1.5 | | | | |
| 4.7 | 432 | 300 | 8180 | 1.6 | | | | |
| 3.5 | 537 | 400 | 8180 | 1.1 | | | | |
| 2.8 | 628 | 500 | 8180 | 0.9 | | | | |
| 2.3 | 809 | 600 | 8180 | 0.9 | | | | |
| 14 | 180 | 100 | 6487 | 3.3 | | | | |
| 9.3 | 257 | 150 | 7426 | 2.6 | | | | |
| 7 | 327 | 200 | 8174 | 1.9 | | | | |
| 5.6 | 398 | 250 | 8180 | 1.4 | | | | |
| 4.7 | 439 | 300 | 8180 | 1.6 | | | | |
| 3.5 | 550 | 400 | 8180 | 1.1 | | | | |
| 2.8 | 727 | 500 | 8180 | 0.8 | | | | |
| 2.3 | 809 | 600 | 8180 | 0.9 | | | | |
| 1.9 | 959 | 750 | 8180 | 0.7 | | | | |
| 7 | 337 | 200 | 10320 | 3.4 | | | | |
| 5.6 | 413 | 250 | 10320 | 2.8 | | | | |

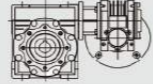
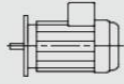


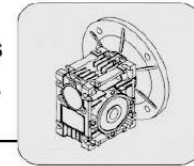
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|----------------------|------------|---------|------|---------|-----|--|---|-------------|
| | 4.7 | 442 | 300 | 10320 | 2.9 | 50-110 | 71 | 38.5 |
| | 3.5 | 569 | 400 | 10320 | 2.1 | | | |
| | 2.8 | 761 | 500 | 10320 | 1.5 | | | |
| | 2.3 | 807 | 600 | 10320 | 1.6 | | | |
| | 1.9 | 975 | 750 | 10320 | 1.3 | | | |
| | 1.6 | 1114 | 900 | 10320 | 1.1 | | | |
| | 1.2 | 1377 | 1200 | 10320 | 0.9 | | | |
| | 0.9 | 1614 | 1500 | 10320 | 0.8 | | | |
| | 7 | 337 | 200 | 10320 | 3.4 | | | |
| | 5.6 | 413 | 250 | 10320 | 2.8 | 63-110 | 71 | 41.2 |
| | 4.7 | 442 | 300 | 10320 | 2.9 | | | |
| | 3.5 | 569 | 400 | 10320 | 2.1 | | | |
| | 2.8 | 775 | 500 | 10320 | 1.5 | | | |
| | 2.3 | 836 | 600 | 10320 | 1.5 | | | |
| | 1.9 | 996 | 750 | 10320 | 1.3 | | | |
| | 1.6 | 1142 | 900 | 10320 | 1.1 | | | |
| | 1.2 | 1463 | 1200 | 10320 | 0.9 | | | |
| | 0.9 | 1672 | 1500 | 10320 | 0.8 | | | |
| | 3.5 | 571 | 400 | 13500 | 2.9 | 63-130 | 71 | 54.2 |
| | 2.8 | 683 | 500 | 13500 | 2.3 | | | |
| | 2.3 | 846 | 600 | 13500 | 2.1 | | | |
| | 1.9 | 1018 | 750 | 13500 | 1.7 | | | |
| | 1.6 | 1163 | 900 | 13500 | 1.5 | | | |
| | 1.2 | 1447 | 1200 | 13500 | 1.2 | | | |
| | 0.9 | 1714 | 1500 | 13500 | 1.0 | | | |
| | 0.8 | 1973 | 1800 | 13500 | 0.9 | | | |
| | 2.8 | 679 | 500 | 18000 | 3.4 | | | |
| | 2.3 | 837 | 600 | 18000 | 3.2 | 63-150 | 71 | 90.2 |
| | 1.9 | 991 | 750 | 18000 | 2.4 | | | |
| | 1.6 | 1253 | 900 | 18000 | 1.7 | | | |
| | 1.2 | 1497 | 1200 | 18000 | 1.8 | | | |
| | 0.9 | 1759 | 1500 | 18000 | 1.3 | | | |
| | 0.8 | 2100 | 1800 | 18000 | 1.0 | | | |
| | 0.6 | 2533 | 2400 | 18000 | 1.1 | | | |
| | 0.5 | 2973 | 3000 | 18000 | 0.8 | | | |
| | 2.8 | 679 | 500 | 18000 | 3.4 | | | |
| 0.55 (0.74HP) | 14 | 268 | 100 | 6487 | 2.2 | 50-90 | 80 | 16.5 |
| | 9.3 | 382 | 150 | 7426 | 1.7 | | | |
| | 7 | 486 | 200 | 8174 | 1.3 | | | |
| | 5.6 | 592 | 250 | 8180 | 1.0 | | | |
| | 4.7 | 653 | 300 | 8180 | 1.1 | | | |
| | 3.5 | 818 | 400 | 8180 | 0.7 | | | |
| | 14 | 268 | 100 | 8198 | 2.4 | 50-110 | 80 | 38.5 |
| | 9.3 | 387 | 150 | 9384 | 2.4 | | | |
| | 7 | 501 | 200 | 10320 | 2.3 | | | |
| | 5.6 | 614 | 250 | 10320 | 1.9 | | | |
| | 4.7 | 656 | 300 | 10320 | 1.9 | | | |
| | 3.5 | 846 | 400 | 10320 | 1.4 | | | |
| | 2.8 | 1132 | 500 | 10320 | 1.0 | | | |
| | 2.3 | 1200 | 600 | 10320 | 1.1 | | | |

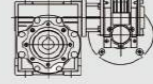
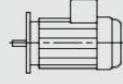


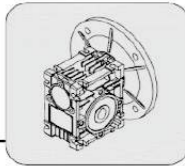
| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] | | | |
|-------------------|------------|---------|------|---------|-----|---|---|-------------|--------------|-----------|-------------|
| | 1.9 | 1449 | 750 | 10320 | 0.9 | 63-110 | 80 | 41.2 | | | |
| | 1.6 | 1657 | 900 | 10320 | 0.8 | | | | | | |
| | 9.3 | 387 | 150 | 9384 | 3.1 | | | | | | |
| | 7 | 501 | 200 | 10320 | 2.3 | | | | | | |
| | 5.6 | 614 | 250 | 10320 | 1.9 | | | | | | |
| | 4.7 | 656 | 300 | 10320 | 1.9 | | | | | | |
| | 3.5 | 846 | 400 | 10320 | 1.4 | | | | | | |
| | 2.8 | 1152 | 500 | 10320 | 1.0 | | | | | | |
| | 2.3 | 1242 | 600 | 10320 | 1.0 | | | | | | |
| | 1.9 | 1480 | 750 | 10320 | 0.9 | | | | | | |
| | 1.6 | 1697 | 900 | 10320 | 0.7 | | | | | | |
| | 7 | 503 | 200 | 13500 | 3.2 | | | | | | |
| | 5.6 | 614 | 250 | 13500 | 2.5 | | | | | | |
| | 4.7 | 668 | 300 | 13500 | 2.6 | | | | | | |
| | 3.5 | 848 | 400 | 13500 | 1.9 | | | | | | |
| | 2.8 | 1015 | 500 | 13500 | 1.5 | | | | | | |
| | 2.3 | 1257 | 600 | 13500 | 1.4 | | | | | | |
| | 1.9 | 1513 | 750 | 13500 | 1.2 | | | | | | |
| | 1.6 | 1729 | 900 | 13500 | 1.0 | | | | | | |
| | 1.2 | 2151 | 1200 | 13500 | 0.8 | | | | | | |
| | 5.6 | 613 | 250 | 18000 | 3.3 | 63-150 | 80 | 90.2 | | | |
| | 4.7 | 727 | 300 | 18000 | 3.2 | | | | | | |
| | 3.5 | 864 | 400 | 18000 | 3.1 | | | | | | |
| | 2.8 | 1009 | 500 | 18000 | 2.3 | | | | | | |
| | 2.3 | 1244 | 600 | 18000 | 2.1 | | | | | | |
| | 1.9 | 1473 | 750 | 18000 | 1.6 | | | | | | |
| | 1.6 | 1863 | 900 | 18000 | 1.1 | | | | | | |
| | 1.2 | 2225 | 1200 | 18000 | 1.2 | | | | | | |
| | 0.9 | 2615 | 1500 | 18000 | 0.9 | | | | | | |
| | 0.8 | 3122 | 1800 | 18000 | 0.7 | | | | | | |
| | 0.6 | 3765 | 2400 | 18000 | 0.7 | | | | | | |
| 0.75 (1HP) | 14 | 366 | 100 | 6487 | 1.6 | | | | 50-90 | 80 | 16.5 |
| | 9.3 | 521 | 150 | 7426 | 1.3 | | | | | | |
| | 7 | 663 | 200 | 8174 | 0.9 | | | | | | |
| | 5.6 | 807 | 250 | 8180 | 0.7 | | | | | | |
| | 4.7 | 890 | 300 | 8180 | 0.8 | | | | | | |
| | 14 | 365 | 100 | 8198 | 1.8 | 50-110 | 80 | 38.5 | | | |
| | 9.3 | 528 | 150 | 9384 | 1.8 | | | | | | |
| | 7 | 683 | 200 | 10320 | 1.7 | | | | | | |
| | 5.6 | 838 | 250 | 10320 | 1.4 | | | | | | |
| | 4.7 | 895 | 300 | 10320 | 1.4 | | | | | | |
| | 3.5 | 1154 | 400 | 10320 | 1.0 | | | | | | |
| | 2.8 | 1543 | 500 | 10320 | 0.8 | | | | | | |
| | 2.3 | 1636 | 600 | 10320 | 0.8 | | | | | | |
| | 14 | 365 | 100 | 8198 | 3.0 | | | | | | |
| | 9.3 | 528 | 150 | 9384 | 2.3 | | | | | | |
| | 7 | 683 | 200 | 10320 | 1.7 | | | | | | |
| | 5.6 | 838 | 250 | 10320 | 1.4 | | | | | | |
| | 4.7 | 895 | 300 | 10320 | 1.4 | | | | | | |
| | 14 | 365 | 100 | 8198 | 3.0 | 63-110 | 80 | 41.2 | | | |
| | 9.3 | 528 | 150 | 9384 | 2.3 | | | | | | |
| | 7 | 683 | 200 | 10320 | 1.7 | | | | | | |
| | 5.6 | 838 | 250 | 10320 | 1.4 | | | | | | |
| | 4.7 | 895 | 300 | 10320 | 1.4 | | | | | | |















| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|----------------|------------|---------|------|---------|-----|--|---|--------|
| | 3.5 | 1154 | 400 | 10320 | 1.0 | | | |
| | 2.8 | 1571 | 500 | 10320 | 0.7 | | | |
| | 2.3 | 1694 | 600 | 10320 | 0.7 | | | |
| | 14 | 369 | 100 | 10722 | 3.0 | | | |
| | 9.3 | 521 | 150 | 12274 | 3.0 | | | |
| | 7 | 686 | 200 | 13500 | 2.3 | | | |
| | 5.6 | 838 | 250 | 13500 | 1.8 | | | |
| | 4.7 | 910 | 300 | 13500 | 1.9 | | | |
| | 3.5 | 1157 | 400 | 13500 | 1.4 | 63-130 | 80 | 54.2 |
| | 2.8 | 1384 | 500 | 13500 | 1.1 | | | |
| | 2.3 | 1714 | 600 | 13500 | 1.0 | | | |
| | 1.9 | 2063 | 750 | 13500 | 0.9 | | | |
| | 1.6 | 2357 | 900 | 13500 | 0.7 | | | |
| | 7 | 686 | 200 | 18000 | 3.0 | | | |
| | 5.6 | 836 | 250 | 18000 | 2.5 | | | |
| | 4.7 | 991 | 300 | 18000 | 2.3 | | | |
| | 3.5 | 1178 | 400 | 18000 | 2.3 | | | |
| | 2.8 | 1376 | 500 | 18000 | 1.7 | 63-150 | 80 | 90.2 |
| | 2.3 | 1697 | 600 | 18000 | 1.6 | | | |
| | 1.9 | 2009 | 750 | 18000 | 1.2 | | | |
| | 1.6 | 2540 | 900 | 18000 | 0.8 | | | |
| | 1.2 | 3034 | 1200 | 18000 | 0.9 | | | |
| 1.1 (1.5HP) | 14 | 536 | 100 | 8198 | 2.1 | | | |
| | 9.3 | 774 | 150 | 9384 | 1.5 | | | |
| | 7 | 1002 | 200 | 10320 | 1.1 | 63-110 | 90 | 41.2 |
| | 5.6 | 1229 | 250 | 10320 | 1.0 | | | |
| | 4.7 | 1313 | 300 | 10320 | 1.0 | | | |
| | 14 | 542 | 100 | 10722 | 2.1 | | | |
| | 9.3 | 764 | 150 | 12274 | 2.1 | | | |
| | 7 | 1006 | 200 | 13500 | 1.6 | | | |
| | 5.6 | 1228 | 250 | 13500 | 1.2 | 63-130 | 90 | 54.2 |
| | 4.7 | 1335 | 300 | 13500 | 1.3 | | | |
| | 3.5 | 1696 | 400 | 13500 | 1.0 | | | |
| | 2.8 | 2030 | 500 | 13500 | 0.8 | | | |
| | 2.3 | 2514 | 600 | 13500 | 0.7 | | | |
| | 9.3 | 772 | 150 | 18000 | 2.6 | | | |
| | 7 | 1005 | 200 | 18000 | 2.1 | | | |
| | 5.6 | 1226 | 250 | 18000 | 1.7 | | | |
| | 4.7 | 1453 | 300 | 18000 | 1.6 | | | |
| | 3.5 | 1728 | 400 | 18000 | 1.5 | 63-150 | 90 | 90.2 |
| | 2.8 | 2018 | 500 | 18000 | 1.2 | | | |
| | 2.3 | 2489 | 600 | 18000 | 1.1 | | | |
| | 1.9 | 2946 | 750 | 18000 | 0.8 | | | |
| 1.5 (2HP) | 14 | 730 | 100 | 8198 | 1.5 | | | |
| | 9.3 | 1055 | 150 | 9384 | 1.1 | | | |
| | 7 | 1367 | 200 | 10320 | 0.8 | 63-110 | 90 | 41.2 |
| | 5.6 | 1676 | 250 | 10320 | 0.7 | | | |
| | 4.7 | 1790 | 300 | 10320 | 0.7 | | | |
| | 14 | 739 | 100 | 10722 | 1.5 | | | |

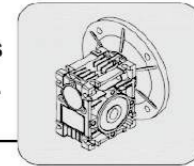














| Pm [kW] | na [1/min] | Ma [Nm] | i | FRa [N] | fs |  |  | m [kg] |
|---------|------------|---------|-----|---------|-----|---|---|--------|
| | 9.3 | 1042 | 150 | 12274 | 1.5 | | | |
| | 7 | 1371 | 200 | 13500 | 1.2 | | | |
| | 5.6 | 1675 | 250 | 13500 | 0.9 | 63-130 | 90 | 54.2 |
| | 4.7 | 1821 | 300 | 13500 | 1.0 | | | |
| | 3.5 | 2313 | 400 | 13500 | 0.7 | | | |
| | 2.8 | 2768 | 500 | 13500 | 0.6 | | | |
| | 9.3 | 1052 | 150 | 18000 | 1.9 | | | |
| | 7 | 1371 | 200 | 18000 | 1.5 | | | |
| | 5.6 | 1671 | 250 | 18000 | 1.2 | | | |
| | 4.7 | 1982 | 300 | 18000 | 1.2 | 63-150 | 90 | 90.2 |
| | 3.5 | 2356 | 400 | 18000 | 1.1 | | | |
| | 2.8 | 2752 | 500 | 18000 | 0.8 | | | |
| | 2.3 | 3394 | 600 | 18000 | 0.8 | | | |

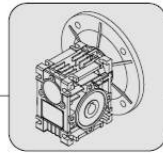


3.2.4 H+Input Shaft 選型表 Solid Input Type

| i | na [1/min] | Ma max [Nm] | Pe [kW] | FRa [N] | FRe [N] |  |  | m [kg] |
|------------------|---------------|----------------|------------|------------|------------|--|---|-----------|
| 30 22 Nm | | | | | | | | |
| 5 | 280 | 19 | 0.6 | 597 | 150 |  |  | 1 |
| 7.5 | 187 | 19 | 0.4 | 683 | 150 | | | |
| 10 | 140 | 19 | 0.3 | 752 | 169 | | | |
| 15 | 93 | 19 | 0.2 | 861 | 169 | | | |
| 20 | 70 | 18 | 0.2 | 948 | 180 | | | |
| 25 | 56 | 22 | 0.2 | 1021 | 210 | | | |
| 30 | 47 | 21 | 0.2 | 1085 | 210 | | | |
| 40 | 35 | 19 | 0.1 | 1194 | 210 | | | |
| 50 | 28 | 18 | 0.1 | 1286 | 210 | | | |
| 60 | 23 | 16 | 0.1 | 1367 | 210 | | | |
| 80 | 18 | 13 | 0.1 | 1504 | 210 | | | |
| 40 48 Nm | | | | | | | | |
| 5 | 280 | 36 | 1.2 | 1149 | 250 |  |  | 2 |
| 7.5 | 187 | 42 | 0.9 | 1315 | 292 | | | |
| 10 | 140 | 44 | 0.8 | 1447 | 344 | | | |
| 15 | 93 | 44 | 0.5 | 1657 | 344 | | | |
| 20 | 70 | 43 | 0.4 | 1824 | 350 | | | |
| 25 | 56 | 39 | 0.3 | 1964 | 350 | | | |
| 30 | 47 | 48 | 0.3 | 2087 | 350 | | | |
| 40 | 35 | 45 | 0.3 | 2298 | 350 | | | |
| 50 | 28 | 42 | 0.2 | 2475 | 350 | | | |
| 60 | 23 | 39 | 0.2 | 2630 | 350 | | | |
| 80 | 18 | 33 | 0.1 | 2895 | 350 | | | |
| 100 | 14 | 29 | 0.1 | 3118 | 350 | | | |
| 50 88 Nm | | | | | | | | |
| 5 | 280 | 68 | 2.2 | 1577 | 350 |  |  | 3.3 |
| 7.5 | 187 | 77 | 1.7 | 1805 | 396 | | | |
| 10 | 140 | 79 | 1.3 | 1987 | 490 | | | |
| 15 | 93 | 81 | 1.0 | 2274 | 490 | | | |
| 20 | 70 | 78 | 0.7 | 2503 | 490 | | | |
| 25 | 56 | 71 | 0.5 | 2696 | 490 | | | |
| 30 | 47 | 88 | 0.6 | 2865 | 490 | | | |
| 40 | 35 | 82 | 0.4 | 3153 | 490 | | | |
| 50 | 28 | 77 | 0.4 | 3397 | 490 | | | |
| 60 | 23 | 72 | 0.3 | 3610 | 490 | | | |
| 80 | 18 | 65 | 0.2 | 3973 | 490 | | | |
| 100 | 14 | 55 | 0.2 | 4280 | 490 | | | |
| 63 160 Nm | | | | | | | | |
| 5 | 280 | 102 | 3.3 | 1980 | 430 |  |  | 5.8 |
| 7.5 | 187 | 128 | 2.8 | 2359 | 500 | | | |
| 10 | 140 | 130 | 2.2 | 2597 | 571 | | | |
| 15 | 93 | 140 | 1.6 | 2973 | 615 | | | |
| 20 | 70 | 135 | 1.2 | 3272 | 667 | | | |
| 25 | 56 | 130 | 1.0 | 3524 | 700 | | | |
| 30 | 47 | 160 | 1.0 | 3745 | 700 | | | |
| 40 | 35 | 145 | 0.8 | 4122 | 700 | | | |
| 50 | 28 | 135 | 0.6 | 4440 | 700 | | | |
| 60 | 23 | 130 | 0.5 | 4719 | 700 | | | |
| 80 | 18 | 122 | 0.4 | 5193 | 700 | | | |
| 100 | 14 | 118 | 0.3 | 5595 | 700 | | | |
| 75 230 Nm | | | | | | | | |
| 7.5 | 187 | 185 | 4.1 | 2785 | 700 |  |  | |
| 10 | 140 | 195 | 3.3 | 3065 | 830 | | | |
| 15 | 93 | 200 | 2 | 3509 | 851 | | | |
| 20 | 70 | 210 | 2 | 3862 | 980 | | | |

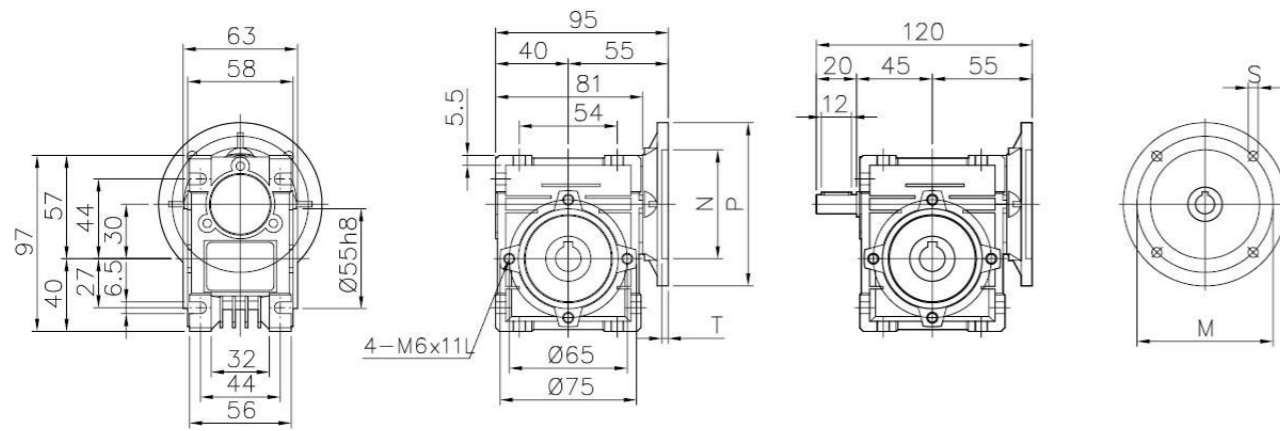


| i | na [1/min] | Ma max [Nm] | Pe [kW] | FRa [N] | FRe [N] |  |  | m [kg] |
|--------------------|---------------|----------------|------------|------------|------------|---|---|-----------|
| 25 | 56 | 200 | 1 | 4160 | 980 |  |  | 8.8 |
| 30 | 47 | 230 | 1 | 4421 | 980 | | | |
| 40 | 35 | 220 | 1 | 4865 | 980 | | | |
| 50 | 28 | 210 | 1 | 5241 | 980 | | | |
| 60 | 23 | 200 | 1 | 5569 | 980 | | | |
| 80 | 18 | 190 | 1 | 6130 | 980 | | | |
| 100 | 14 | 180 | 0 | 6603 | 980 | | | |
| 90 432 Nm | | | | | | | | |
| 7.5 | 187 | 319 | 6.9 | 3081 | 900 |  |  | 13 |
| 10 | 140 | 341 | 5.6 | 3391 | 1082 | | | |
| 15 | 93 | 396 | 4 | 3882 | 1257 | | | |
| 20 | 70 | 391 | 3 | 4273 | 1270 | | | |
| 25 | 56 | 374 | 3 | 4603 | 1270 | | | |
| 30 | 47 | 432 | 3 | 4891 | 1270 | | | |
| 40 | 35 | 396 | 2 | 5383 | 1270 | | | |
| 50 | 28 | 374 | 2 | 5799 | 1270 | | | |
| 60 | 23 | 352 | 1 | 6163 | 1270 | | | |
| 80 | 18 | 285 | 1 | 6783 | 1270 | | | |
| 100 | 14 | 270 | 1 | 7306 | 1270 | | | |
| 110 725 Nm | | | | | | | | |
| 7.5 | 187 | 552 | 11.99 | 3893 | 1200 |  |  | 21 |
| 10 | 140 | 598 | 9.85 | 4285 | 1463 | | | |
| 15 | 93 | 656 | 7.37 | 4905 | 1604 | | | |
| 20 | 70 | 644 | 5.49 | 5399 | 1700 | | | |
| 25 | 56 | 679 | 4.68 | 5816 | 1700 | | | |
| 30 | 47 | 725 | 4.43 | 6181 | 1700 | | | |
| 40 | 35 | 702 | 3.26 | 6803 | 1700 | | | |
| 50 | 28 | 660 | 2.25 | 7328 | 1700 | | | |
| 60 | 23 | 616 | 2.0 | 7787 | 1700 | | | |
| 80 | 18 | 515 | 1.4 | 8571 | 1700 | | | |
| 100 | 14 | 483 | 1.1 | 9232 | 1700 | | | |
| 130 1050 Nm | | | | | | | | |
| 7.5 | 187 | 750 | 16.11 | 5092 | 1500 |  |  | 43.5 |
| 10 | 140 | 820 | 13.51 | 5605 | 1845 | | | |
| 15 | 93 | 920 | 10.33 | 6416 | 2070 | | | |
| 20 | 70 | 910 | 7.67 | 7062 | 2100 | | | |
| 25 | 56 | 930 | 6.42 | 7607 | 2100 | | | |
| 30 | 47 | 1040 | 6.27 | 8084 | 2100 | | | |
| 40 | 35 | 1050 | 4.87 | 8897 | 2100 | | | |
| 50 | 28 | 980 | 3.78 | 9584 | 2100 | | | |
| 60 | 23 | 900 | 3.01 | 10185 | 2100 | | | |
| 80 | 18 | 840 | 2.23 | 11210 | 2100 | | | |
| 100 | 14 | 740 | 1.67 | 12076 | 2100 | | | |
| 150 1550 Nm | | | | | | | | |
| 7.5 | 187 | 1200 | 25.78 | 6962 | 1950 |  |  | 77 |
| 10 | 140 | 1240 | 20.20 | 7663 | 2267 | | | |
| 15 | 93 | 1250 | 13.88 | 8771 | 2285 | | | |
| 20 | 70 | 1300 | 10.95 | 9654 | 2674 | | | |
| 25 | 56 | 1200 | 8.28 | 10400 | 2800 | | | |
| 30 | 47 | 1200 | 6.98 | 11051 | 2800 | | | |
| 40 | 35 | 1550 | 7.19 | 12163 | 2800 | | | |
| 50 | 28 | 1400 | 5.33 | 13103 | 2800 | | | |
| 60 | 23 | 1260 | 4.16 | 13924 | 2800 | | | |
| 80 | 18 | 1150 | 3.05 | 15325 | 2800 | | | |
| 100 | 14 | 1000 | 2.26 | 16508 | 2800 | | | |

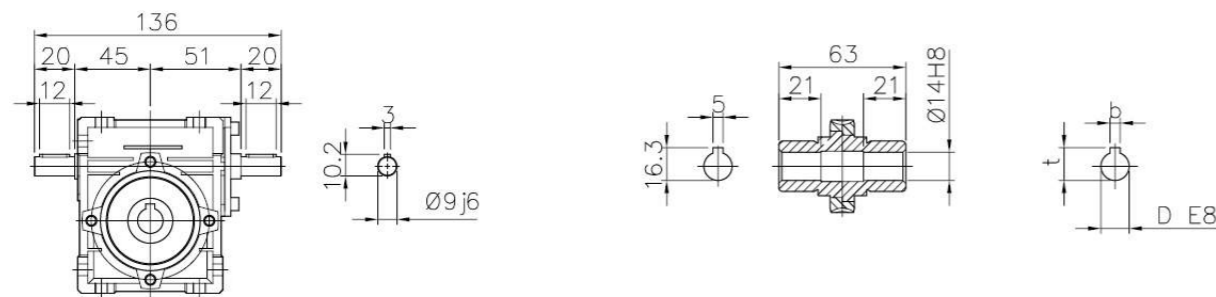


3.3 尺寸表 Dimension Sheets

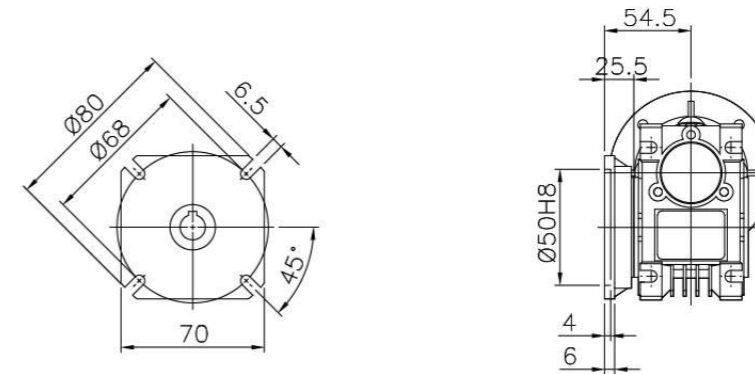
HHM30



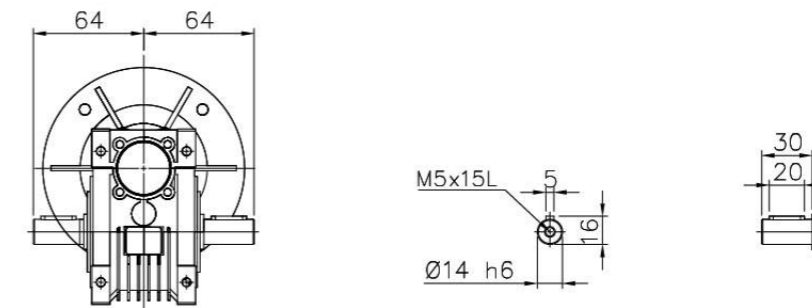
HHS30



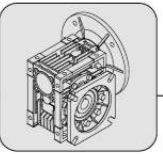
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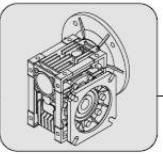
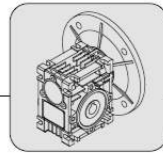


HSM30

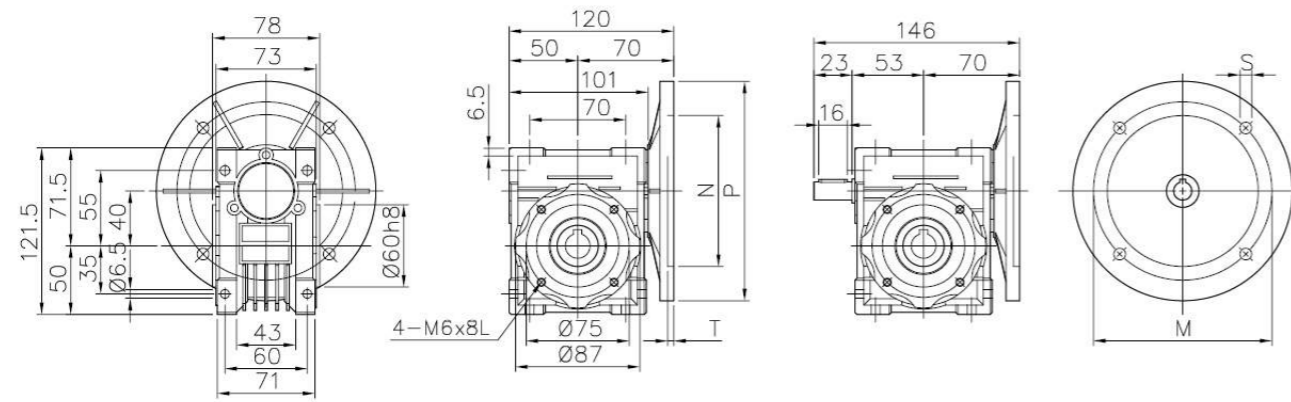


| IEC | D | b | t | P | M | N | T | S |
|-------|----|---|------|-----|-----|----|-----|-----|
| 56B5 | 9 | 3 | 10.4 | 120 | 100 | 80 | 4 | 6.6 |
| 56B14 | 9 | 3 | 10.4 | 80 | 65 | 50 | 3.5 | 5.5 |
| 63B5 | 11 | 4 | 12.8 | 140 | 115 | 95 | 4 | 9 |
| 63B14 | 11 | 4 | 12.8 | 90 | 75 | 60 | 3 | 5.5 |

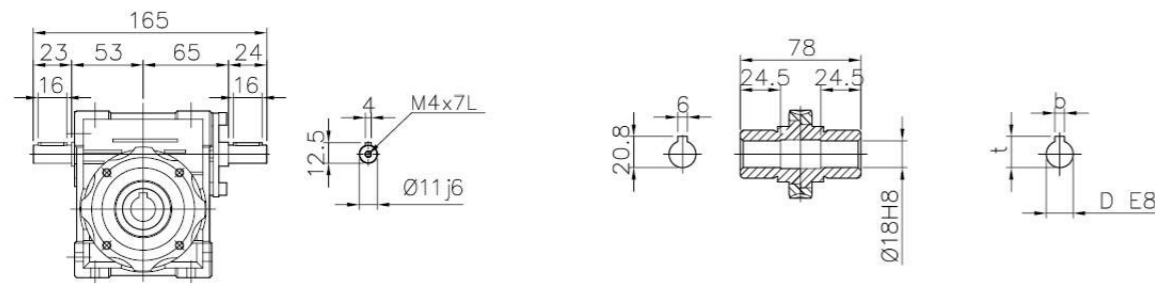




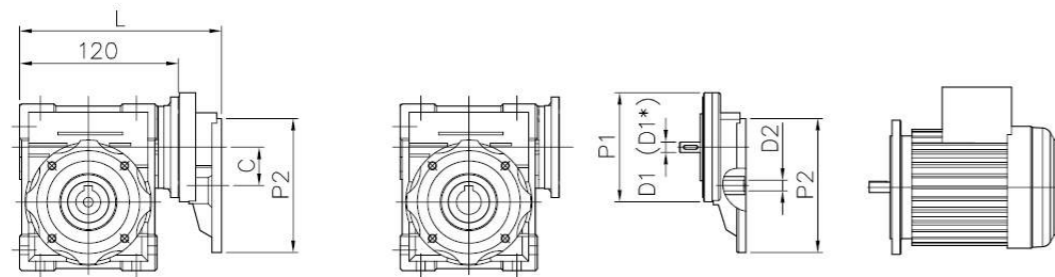
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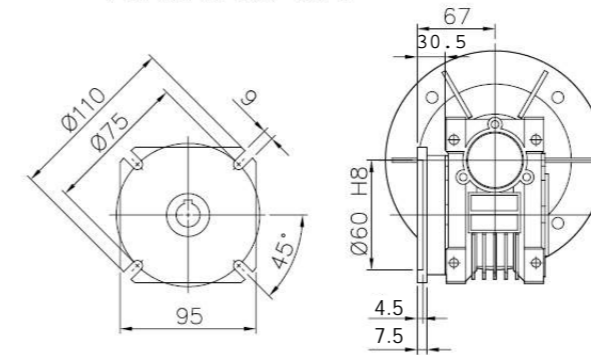
HHS40



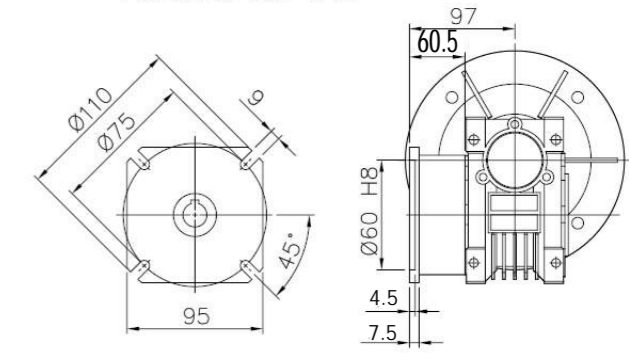
PC063



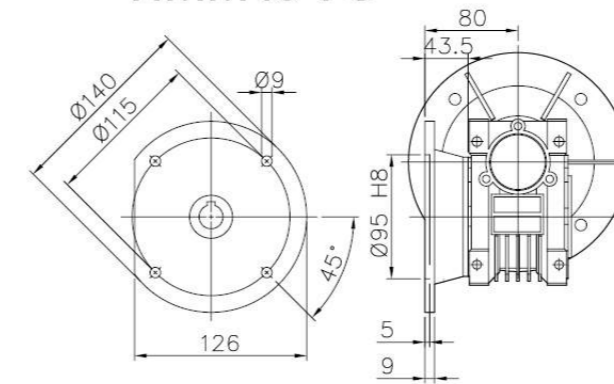
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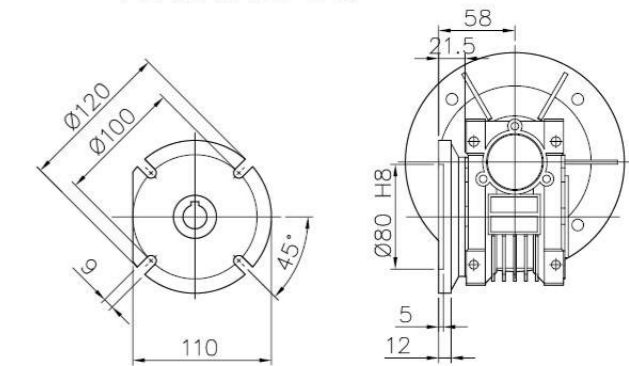
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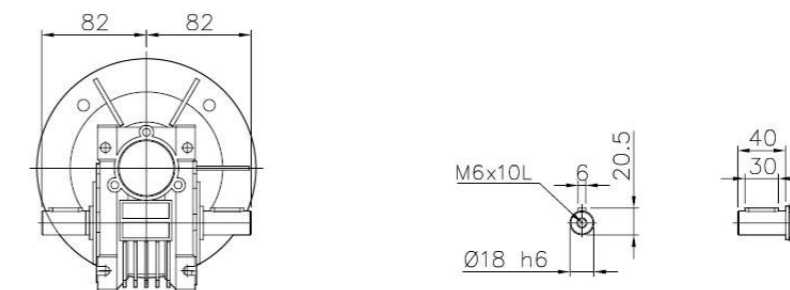
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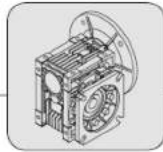
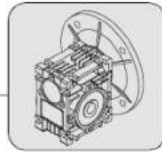
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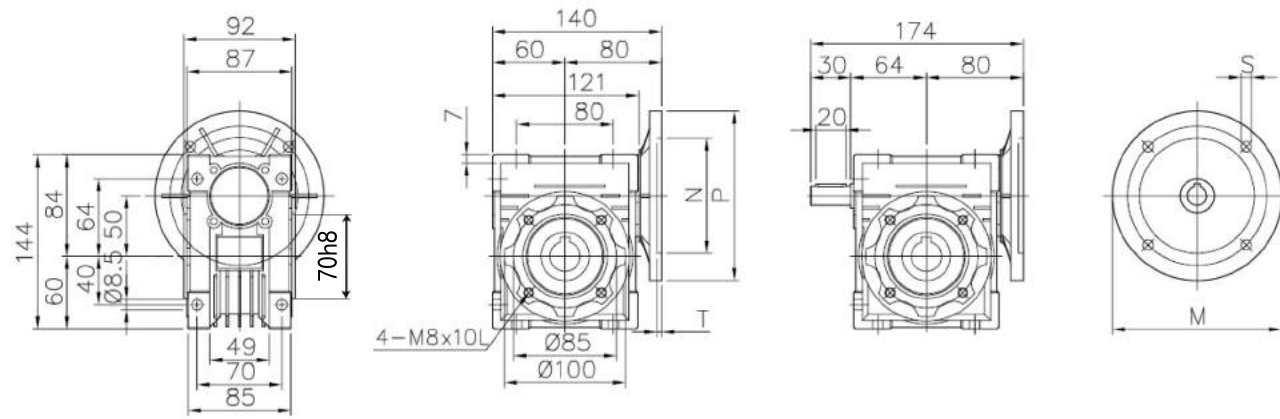
HSM40



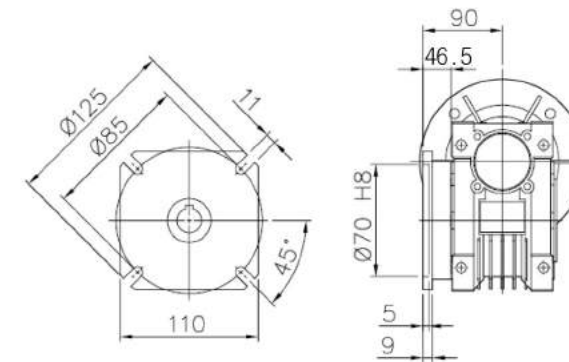
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|-------|----|---|------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----------|----|----|-----|
| 56B5 | 9 | 3 | 10.4 | 120 | 100 | 80 | 4 | 7 | 063 | 105 | 11 | 14 | 140(63B5) | 11 | 40 | 165 |
| 63B5 | 11 | 4 | 12.8 | 140 | 115 | 95 | 3.5 | 9 | | | | | | | | |
| 63B14 | 11 | 4 | 12.8 | 90 | 75 | 60 | 4 | 5.5 | | | | | | | | |
| 71B5 | 14 | 5 | 16.3 | 160 | 130 | 110 | 4 | 9 | | | | | | | | |
| 71B14 | 14 | 5 | 16.3 | 105 | 85 | 70 | 3.5 | 6.6 | | | | | | | | |



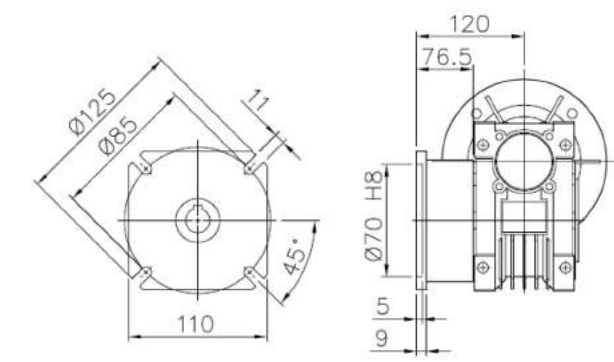
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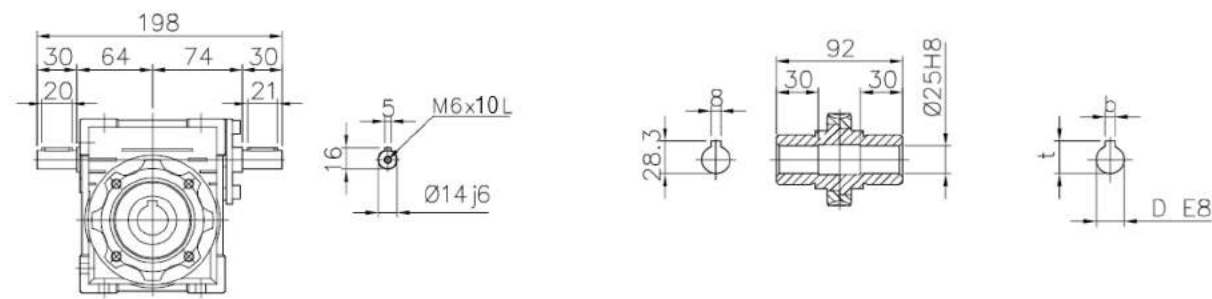
HMM50-FA



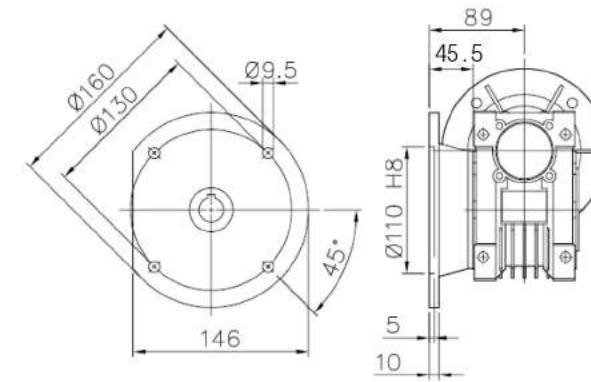
HMM50-FB



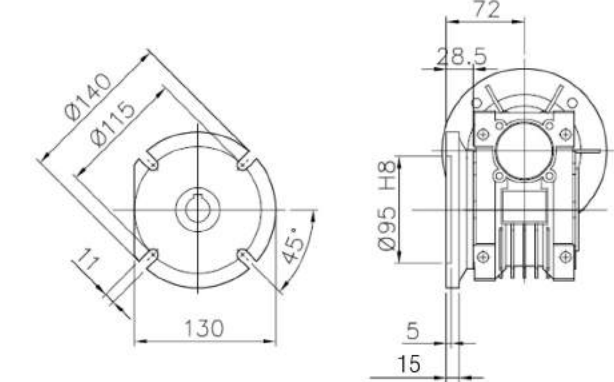
HHS50



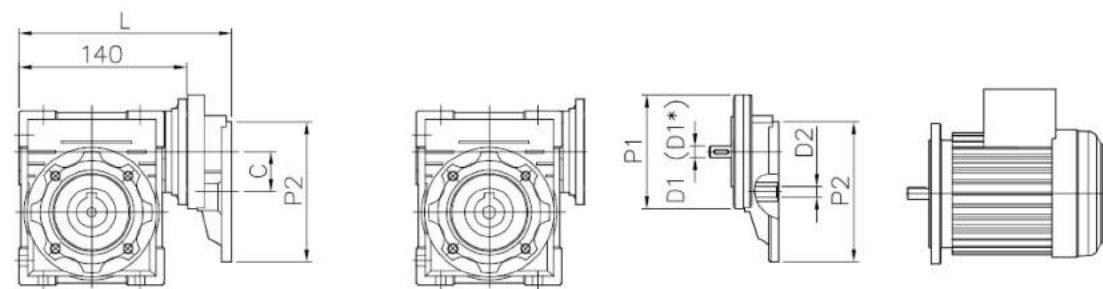
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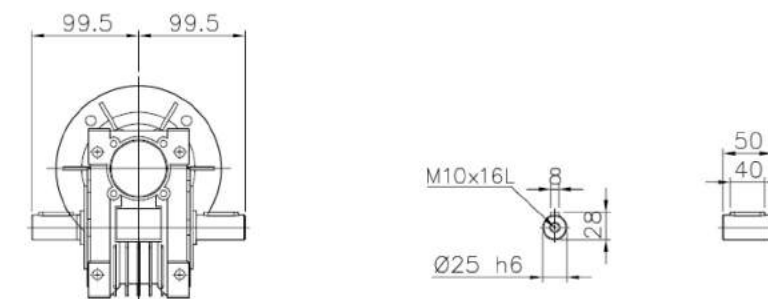
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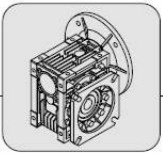
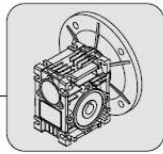
PC063/071



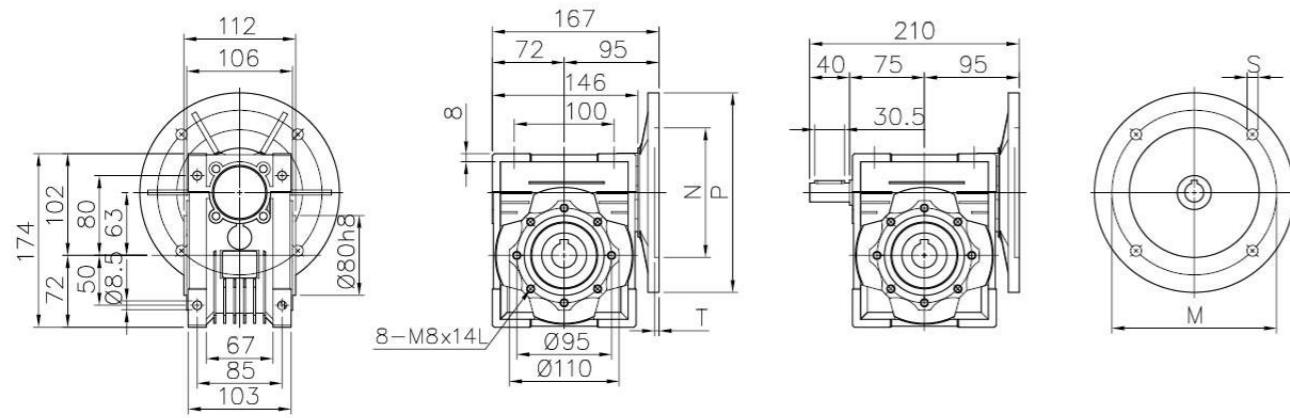
HSM50



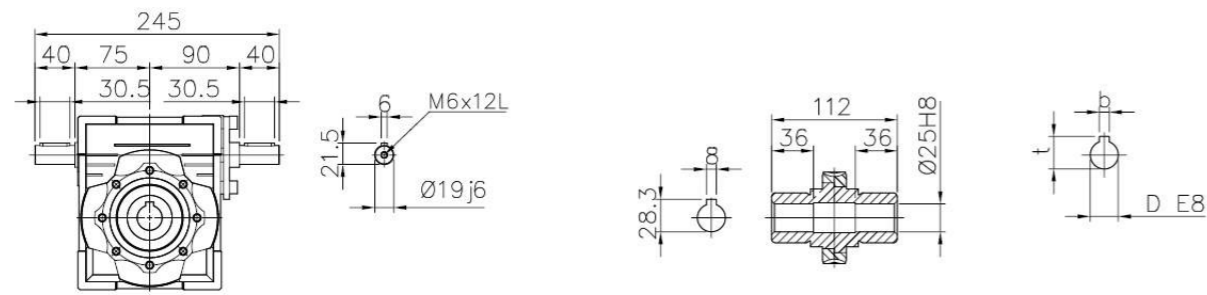
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|-------|----|---|------|-----|-----|-----|---|-----|-----|-----|----|-----|-----------|----|----|-----|
| 63B5 | 11 | 4 | 12.8 | 140 | 115 | 95 | 4 | 10 | 063 | 105 | 11 | 14 | 140(63B5) | 11 | 40 | 185 |
| 71B5 | 14 | 5 | 16.3 | 160 | 130 | 110 | 4 | 9 | 071 | 120 | 14 | 19 | 160(71B5) | 14 | 48 | 193 |
| 71B14 | 14 | 5 | 16.3 | 105 | 85 | 70 | 4 | 6.6 | | | | | | | | |
| 80B5 | 19 | 6 | 21.8 | 200 | 165 | 130 | 6 | 11 | | | | | | | | |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80 | 4 | 6.6 | | | | | | | | |



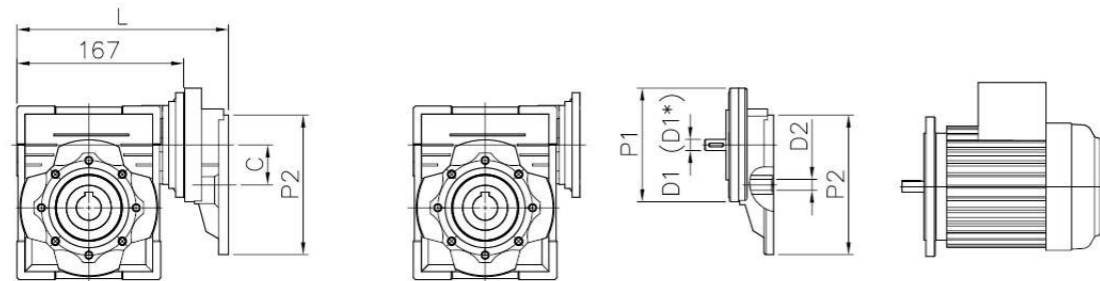
HHM63



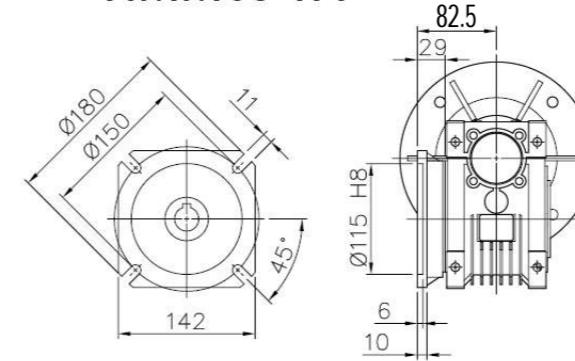
HHS63



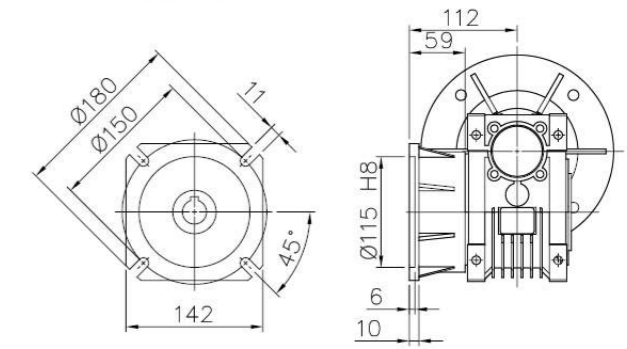
PC063/071



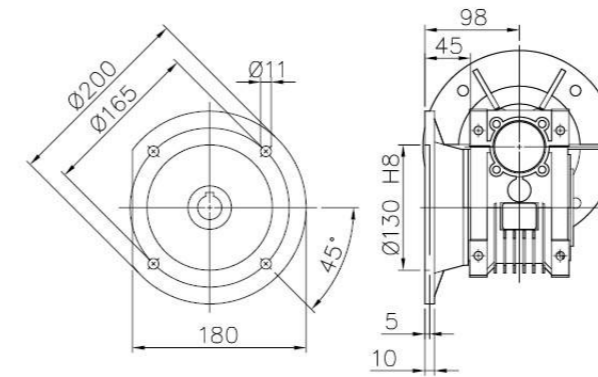
HMM63-FA



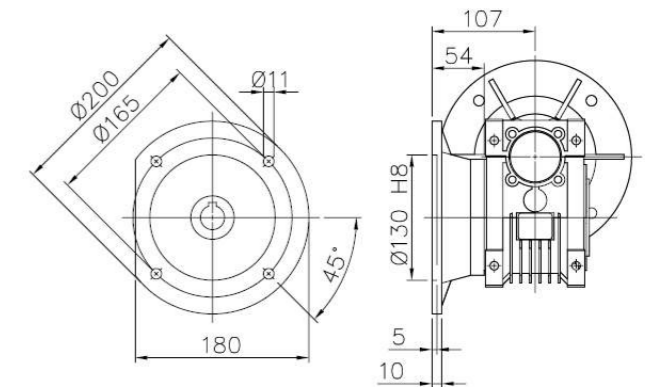
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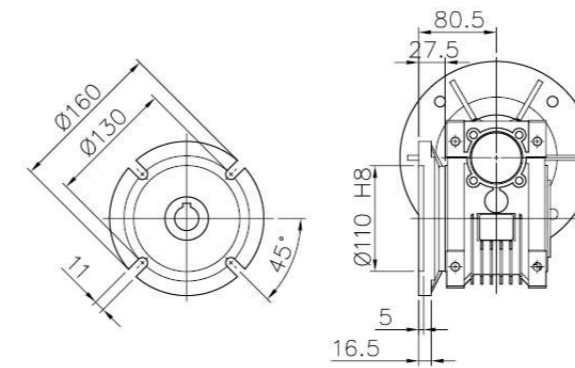
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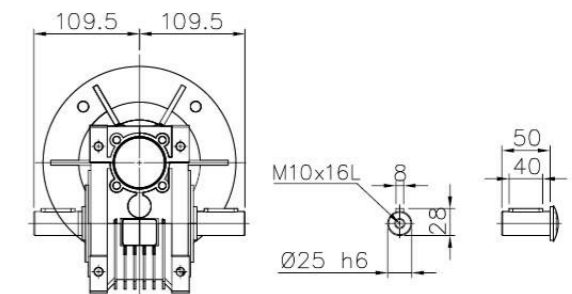
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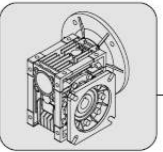
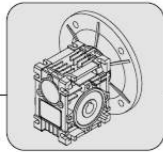
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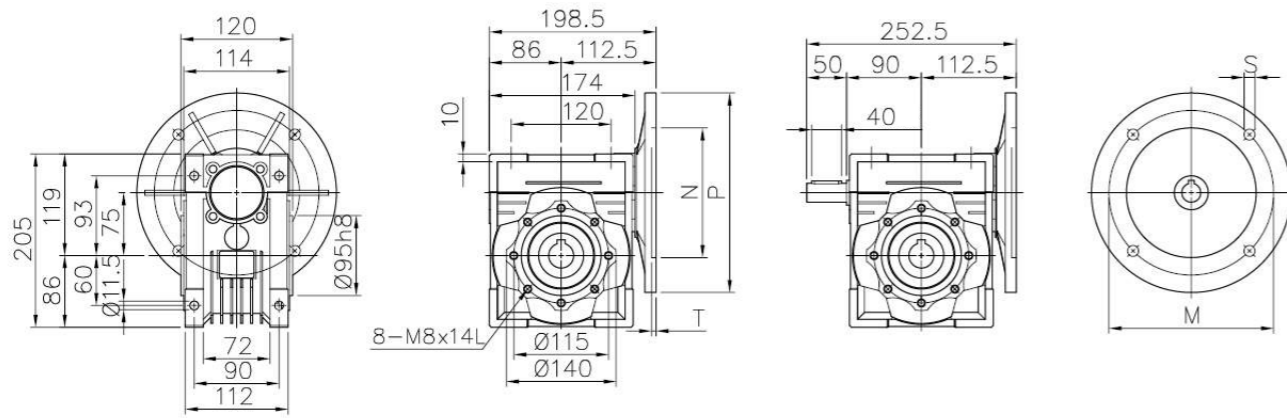
HSM63



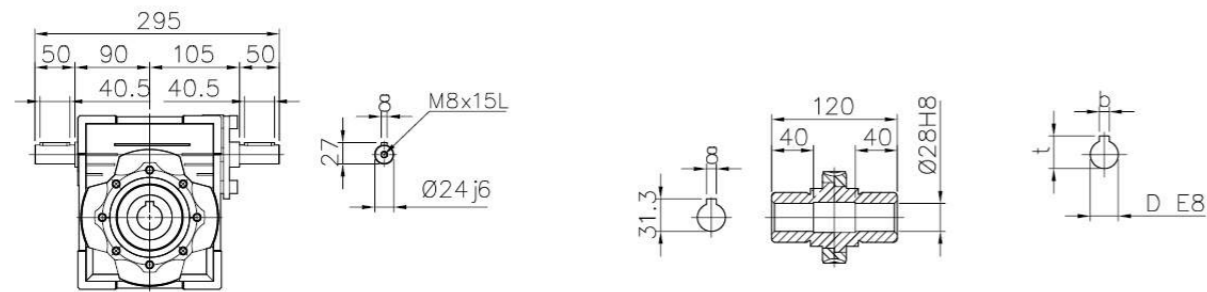
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|-------|----|---|------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----------|----|----|-----|
| 71B5 | 14 | 5 | 16.3 | 160 | 130 | 110 | 4 | 9 | 063 | 105 | 11 | 14 | 140(63B5) | 11 | 40 | 212 |
| 71B14 | 14 | 5 | 16.3 | 105 | 85 | 70 | 4 | 6.6 | 071 | 120 | 14 | 19 | 160(71B5) | 14 | 48 | 220 |
| 80B5 | 19 | 6 | 21.8 | 200 | 165 | 130 | 4 | 11 | | | | | | | | |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80 | 3.5 | 6.6 | | | | | | | | |
| 90B5 | 24 | 8 | 27.3 | 200 | 165 | 130 | 4 | 11 | | | | | | | | |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95 | 3.5 | 9 | | | | | | | | |



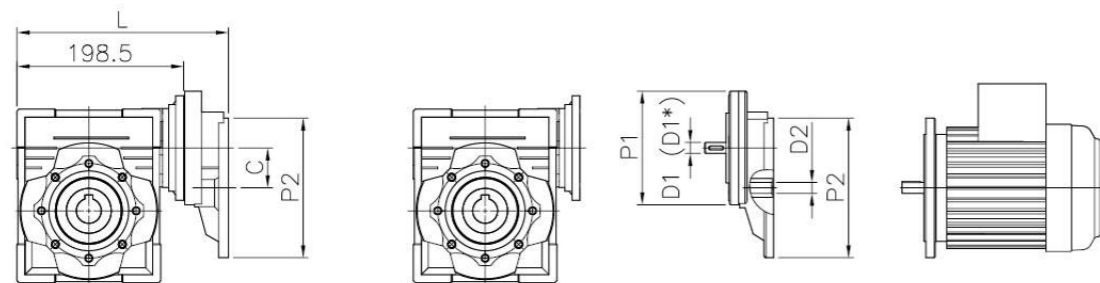
HHM75



HHS75

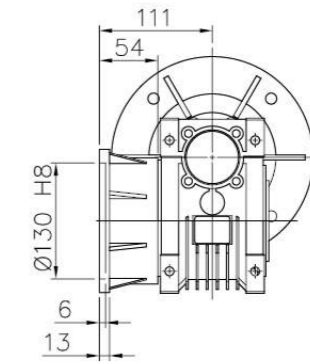
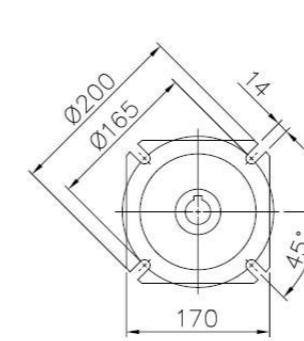


PC071/080

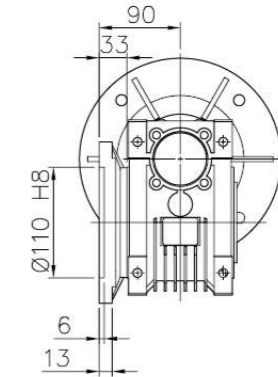
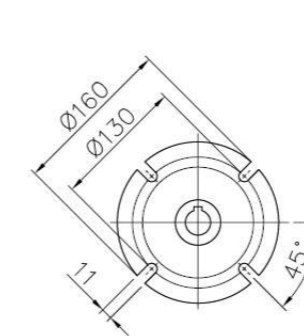


| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|------------|----|---|------|-----|-----|-----|-----|------|-----|-----|----|-------|-----------|----|----|-------|
| 71B5 | 14 | 5 | 16.3 | 160 | 130 | 110 | 4 | 9 | 071 | 120 | 14 | 19 | 160(71B5) | 14 | 48 | 251.5 |
| 80B5 | 19 | 6 | 21.8 | 200 | 165 | 130 | 4 | 11 | 080 | 160 | 19 | 19/24 | 200(80B5) | 19 | 66 | 273.5 |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80 | 6 | 6.6 | | | | | | | | |
| 90B5 | 24 | 8 | 27.3 | 200 | 165 | 130 | 4 | 11 | | | | | | | | |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95 | 3.5 | 9 | | | | | | | | |
| 100/112B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 4 | 13.5 | | | | | | | | |
| 100/112B14 | 28 | 8 | 31.3 | 160 | 130 | 110 | 4 | 9 | | | | | | | | |

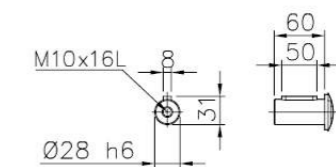
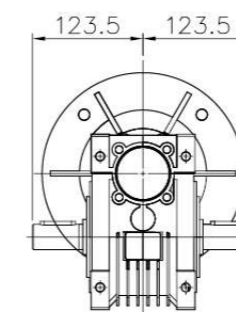
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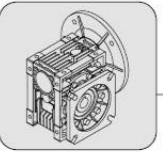
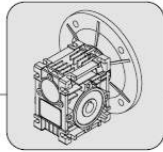


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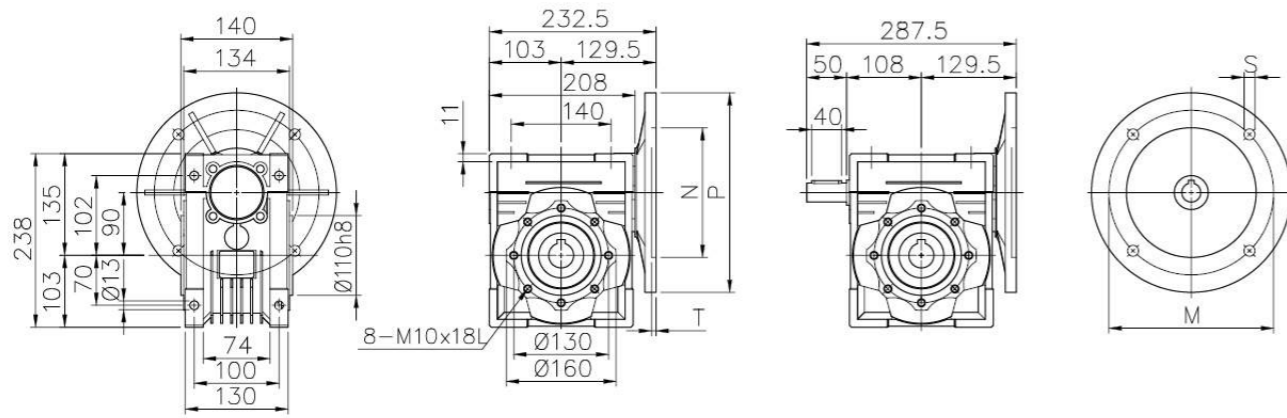


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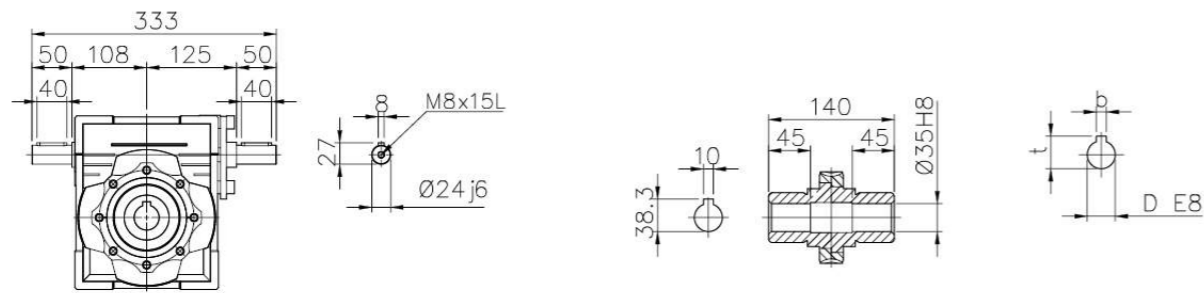




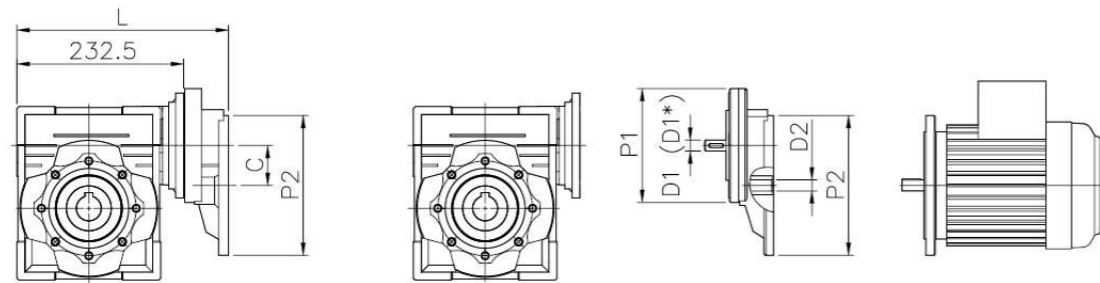
HHM90



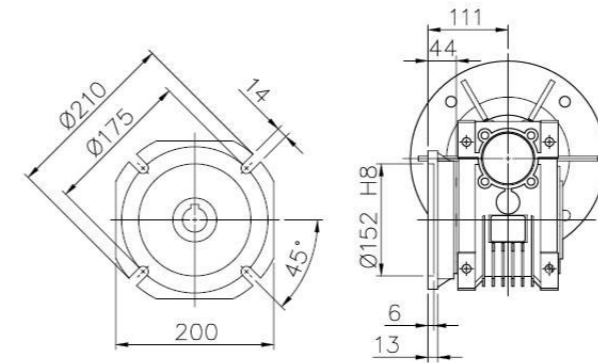
HHS90



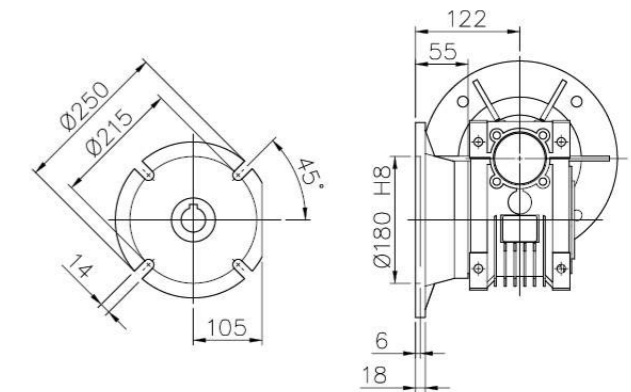
PC071/080



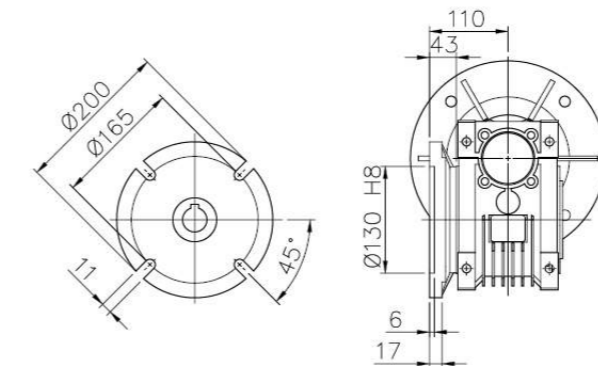
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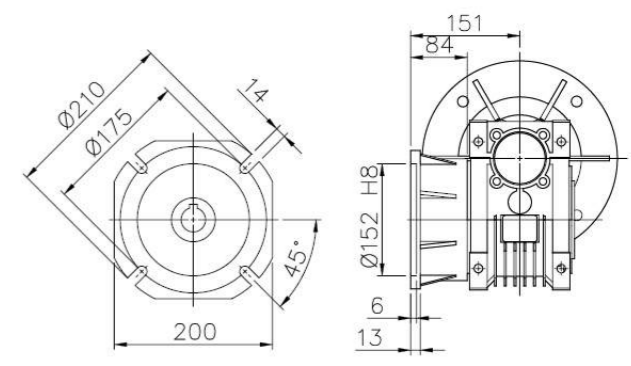
HMM90-FB



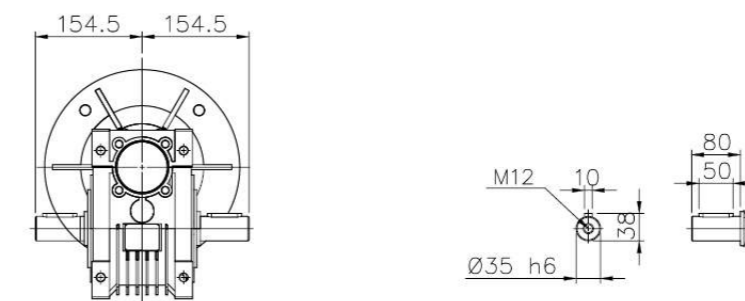
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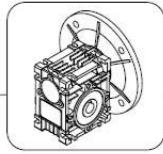
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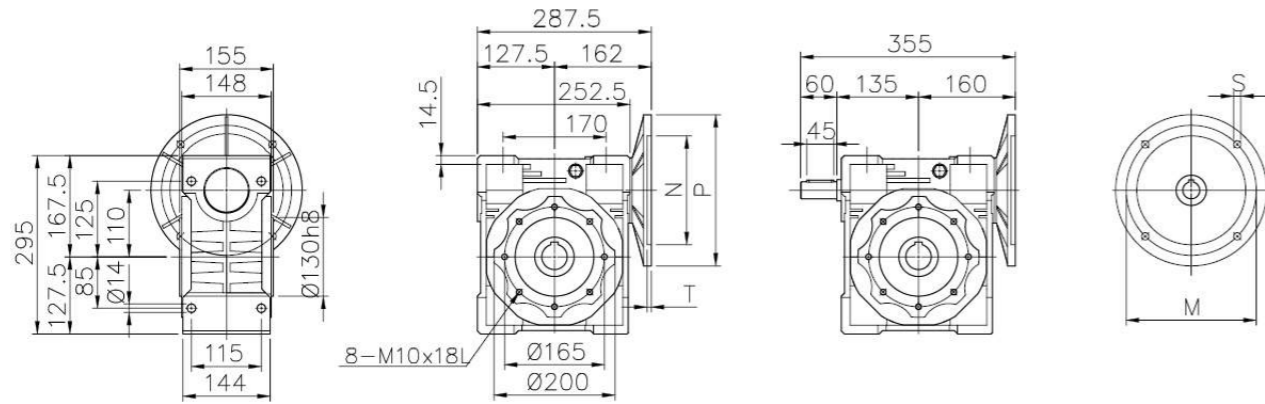
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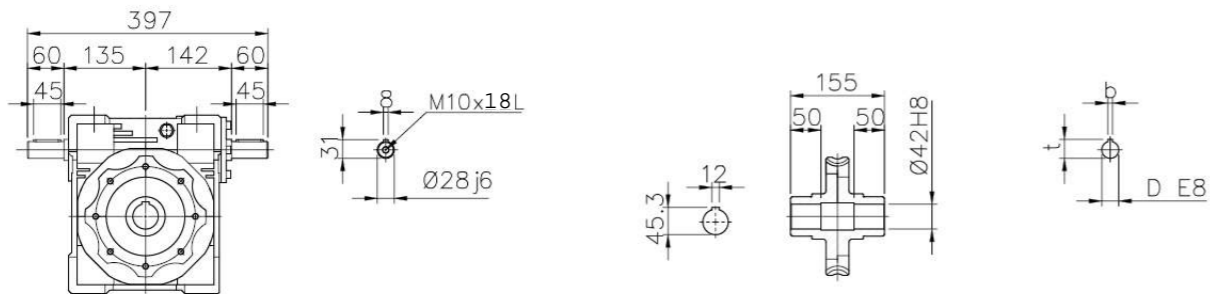
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|------------|----|---|------|-----|-----|-----|-----|------|-----|-----|----|-------|-----------|----|----|-------|
| 80B5 | 19 | 6 | 21.8 | 200 | 165 | 130 | 4 | 11 | 071 | 120 | 14 | 19 | 160(71B5) | 14 | 48 | 285.5 |
| 80B14 | 19 | 6 | 21.8 | 120 | 100 | 80 | 6 | 6.6 | 080 | 160 | 19 | 24/28 | 200(80B5) | 19 | 66 | 307.5 |
| 90B5 | 24 | 8 | 27.3 | 200 | 165 | 130 | 4 | 11 | | | | | | | | |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95 | 3.5 | 9 | | | | | | | | |
| 100/112B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 4 | 13.5 | | | | | | | | |
| 100/112B14 | 28 | 8 | 31.3 | 160 | 130 | 110 | 4 | 9 | | | | | | | | |



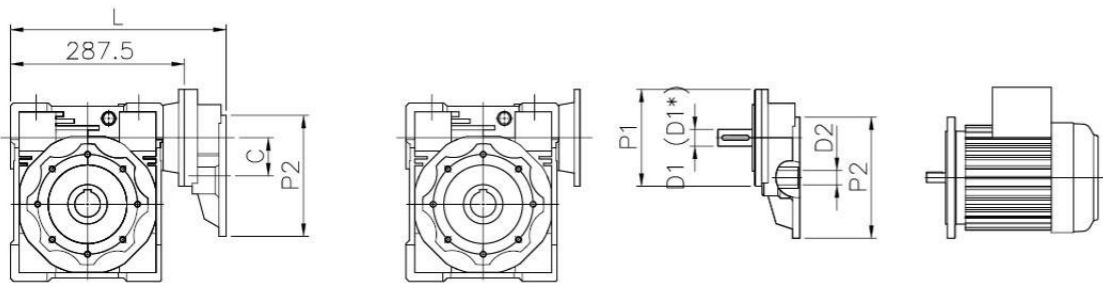
HHM110



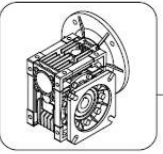
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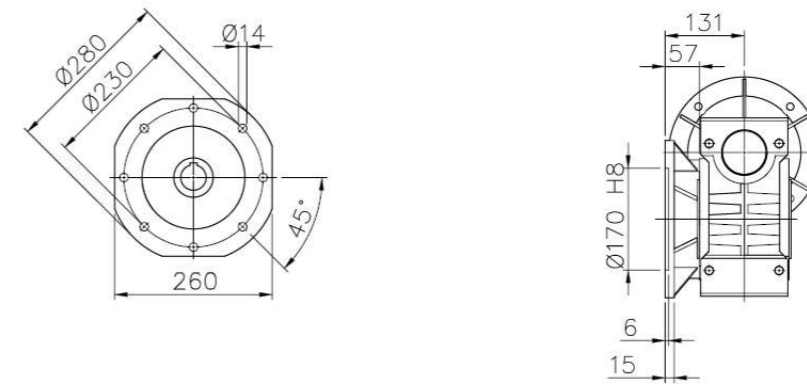
PC080/090



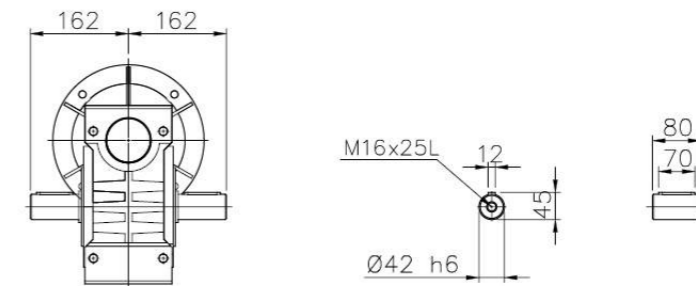
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|--------|----|----|------|-----|-----|-----|-----|-----|-----|-----|----|-------|-----------|----|----|-------|
| 80B5 | 19 | 6 | 21.8 | 200 | 165 | 130 | 4.5 | 11 | 080 | 160 | 19 | 24/28 | 200(80B5) | 19 | 66 | 362.5 |
| 90B5 | 24 | 8 | 27.3 | 200 | 165 | 130 | 4.5 | 11 | 090 | 160 | 24 | 19/28 | 200(90B5) | 24 | 66 | 362.5 |
| 100B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 5.5 | M12 | | | | | | | | |
| 112B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 5.5 | M12 | | | | | | | | |
| 112B14 | 28 | 8 | 31.3 | 160 | 130 | 110 | 4.5 | 9 | | | | | | | | |
| 132B5 | 38 | 10 | 41.3 | 300 | 265 | 230 | 5.5 | M12 | | | | | | | | |
| 132B14 | 38 | 10 | 41.3 | 200 | 165 | 130 | 4.5 | 11 | | | | | | | | |

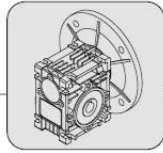


HMM110-FA

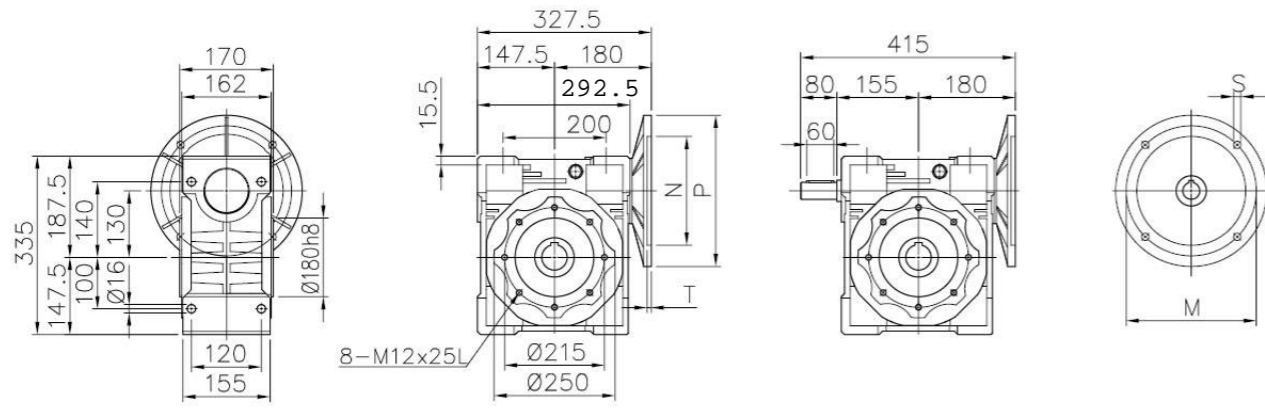


HSM110

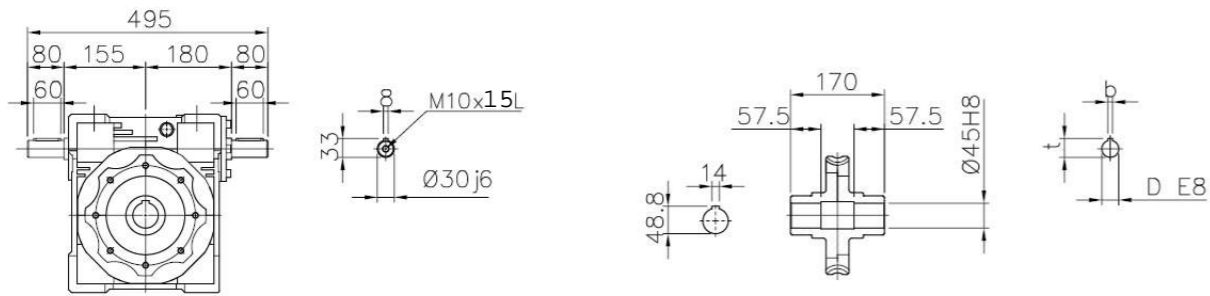




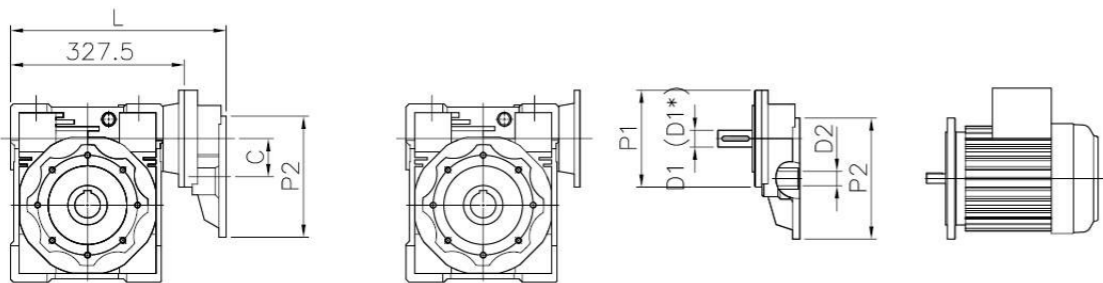
HHM130



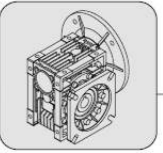
HHS130



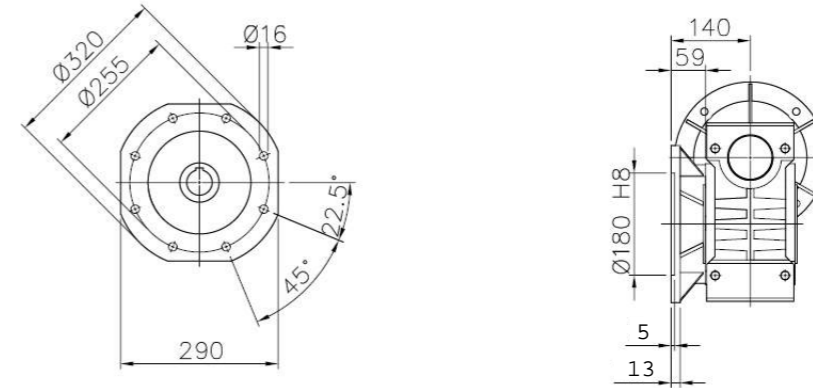
PC080/090



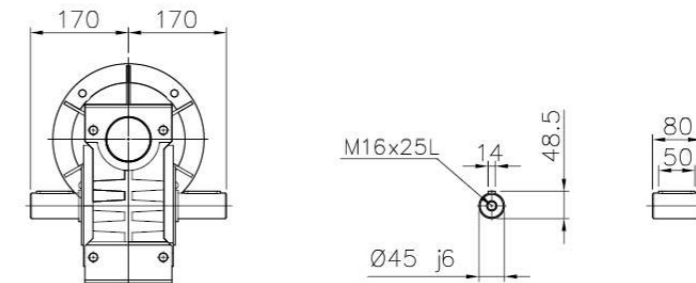
| IEC | D | b | t | P | M | N | T | S | PC | P1 | D1 | D1* | P2 | D2 | C | L |
|--------|----|----|------|-----|-----|-----|-----|-----|-----|-----|----|-------|-----------|----|----|-------|
| 90B5 | 24 | 8 | 27.3 | 200 | 165 | 130 | 4 | M12 | 080 | 160 | 19 | 24/28 | 200(80B5) | 19 | 66 | 402.5 |
| 90B14 | 24 | 8 | 27.3 | 140 | 115 | 95 | 4 | 9 | 090 | 160 | 24 | 19/28 | 200(90B5) | 24 | 66 | 402.5 |
| 100B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 4.5 | M12 | | | | | | | | |
| 112B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 5.5 | M12 | | | | | | | | |
| 112B14 | 28 | 8 | 31.3 | 160 | 130 | 110 | 4.5 | 12 | | | | | | | | |
| 132B5 | 38 | 10 | 41.3 | 300 | 265 | 230 | 4.5 | M12 | | | | | | | | |
| 132B14 | 38 | 10 | 41.3 | 200 | 165 | 130 | 4.5 | 12 | | | | | | | | |

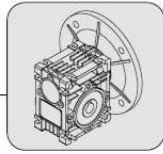


HMM130-FA

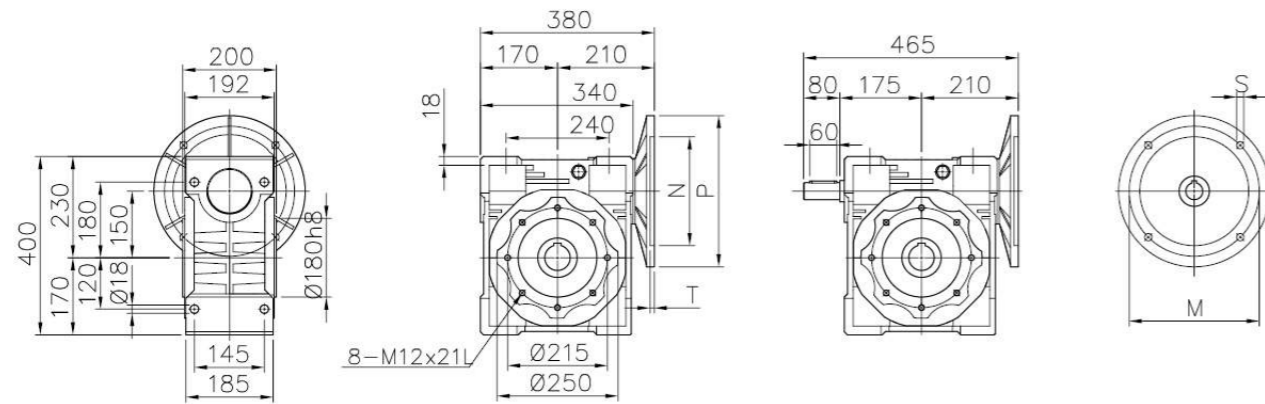


HSM130

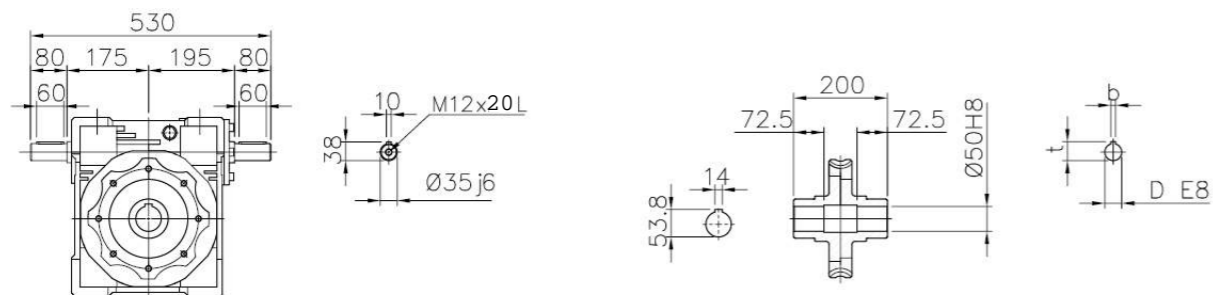




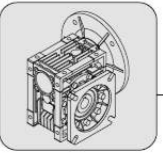
HHM150



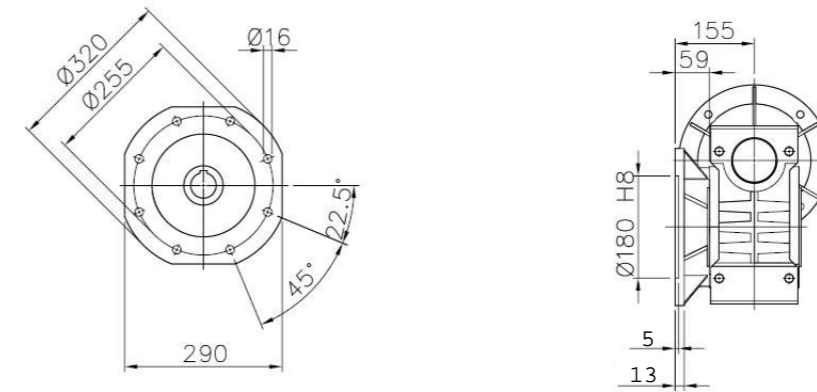
HHS150



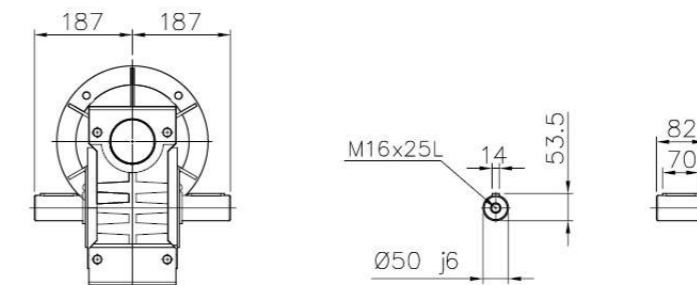
| IEC | D | b | t | P | M | N | T | S |
|--------|----|----|------|-----|-----|-----|---|-----|
| 100B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 6 | M12 |
| 112B5 | 28 | 8 | 31.3 | 250 | 215 | 180 | 6 | M12 |
| 132B5 | 38 | 10 | 41.3 | 300 | 265 | 230 | 6 | M12 |
| 132B14 | 38 | 10 | 41.3 | 200 | 165 | 130 | 5 | 11 |
| 160B5 | 42 | 12 | 45.3 | 350 | 300 | 250 | 7 | 19 |

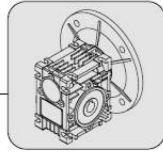


HMM150-FA

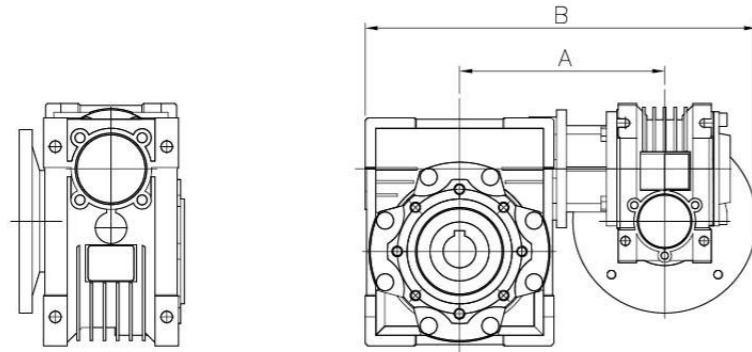


HSM150

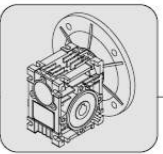




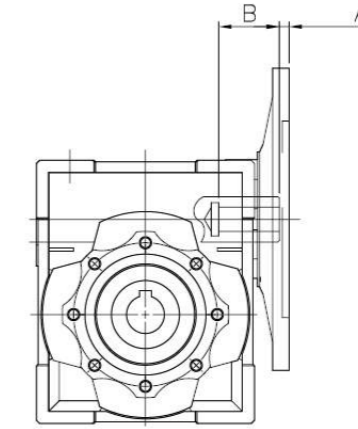
3.4 雙段尺寸圖 Dimension sheets-Double Reduction



| SIZE | IEC | A | B | SIZE | IEC | A | B |
|---------|-------|-------|-------|---------|-------|-------|-------|
| 030/040 | 56B5 | 120 | 230 | 050/090 | 63B5 | 188.5 | 364.5 |
| | 56B14 | | 210 | | 71B5 | | 374.5 |
| 030/050 | 56B5 | 130 | 250 | | 71B14 | | 347 |
| | 56B14 | | 230 | | 80B5 | | 394.5 |
| | 63B5 | | 260 | | 80B14 | | 354.5 |
| 030/063 | 63B14 | 145 | 235 | 050/110 | 63B5 | 212.5 | 414.5 |
| | 56B5 | | 277 | | 71B5 | | 424.5 |
| | 56B14 | | 257 | | 71B14 | | 397 |
| | 63B5 | | 287 | | 80B5 | | 444.5 |
| 040/050 | 63B14 | 137.5 | 262 | | 80B14 | | 404.5 |
| | 56B5 | | 257.5 | 063/110 | 71B5 | 225 | 432.5 |
| | 63B5 | | 267.5 | | 71B14 | | 405 |
| | 63B14 | | 242.5 | | 80B5 | | 452.5 |
| | 71B5 | | 277.5 | | 80B14 | | 412.5 |
| 71B14 | 250 | 90B5 | 452.5 | | | | |
| 040/063 | 56B5 | 151 | 283 | 90B14 | 422.5 | | |
| | 63B5 | | 293 | 063/130 | 71B5 | 246 | 473.5 |
| | 63B14 | | 268 | | 71B14 | | 446 |
| | 71B5 | | 303 | | 80B5 | | 493.5 |
| 71B14 | 275.5 | 80B14 | 453.5 | | | | |
| 040/075 | 56B5 | 170 | 316 | | 90B5 | | 493.5 |
| | 63B5 | | 326 | 90B14 | 463.5 | | |
| | 63B14 | | 301 | 063/150 | 71B5 | 275 | 524 |
| | 71B5 | | 336 | | 71B14 | | 496.5 |
| 71B14 | 308.5 | 80B5 | 544 | | | | |
| 56B5 | 347.5 | 80B14 | 504 | | | | |
| 040/090 | 63B5 | 184.5 | 357.5 | | 90B5 | | 544 |
| | 63B14 | | 332.5 | 90B14 | 514 | | |
| | 71B5 | | 367.5 | | | | |
| | 71B14 | | 340 | | | | |

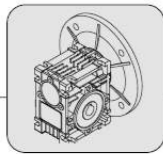


3.5 入力孔深度 Dimension Sheets-Input Quill Depth



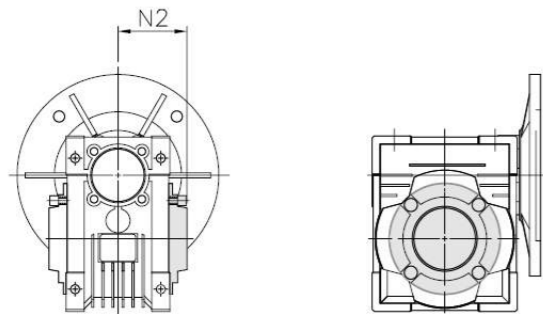
| SIZE | IEC | A | B |
|------|------------|---|----|
| 030 | 63B5 | 5 | 24 |
| | 63B14 | 5 | 24 |
| | 56B5 | 5 | 21 |
| | 56B14 | 5 | 21 |
| 040 | 71B5 | 5 | 27 |
| | 71B14 | 5 | 27 |
| | 63B5 | 5 | 24 |
| | 63B14 | 5 | 24 |
| 050 | 56B5 | 5 | 21 |
| | 80B5 | 5 | 38 |
| | 80B14 | 5 | 38 |
| | 71B5 | 5 | 27 |
| 063 | 71B14 | 5 | 27 |
| | 63B5 | 5 | 24 |
| | 90B5 | 5 | 48 |
| | 90B14 | 5 | 48 |
| 075 | 80B5 | 5 | 38 |
| | 80B14 | 5 | 38 |
| | 71B5 | 5 | 27 |
| | 71B14 | 5 | 27 |
| 090 | 100/112B5 | 5 | 58 |
| | 100/112B14 | 5 | 58 |
| | 90B5 | 5 | 48 |
| | 90B14 | 5 | 48 |

| SIZE | IEC | A | B |
|------|------------|---|----|
| 110 | 132B5 | 5 | 78 |
| | 132B14 | 5 | 78 |
| | 100/112B5 | 5 | 58 |
| | 100/112B14 | 5 | 58 |
| | 90B5 | 5 | 48 |
| 130 | 90B14 | 5 | 48 |
| | 80B5 | 5 | 38 |
| | 132B5 | 5 | 78 |
| | 132B14 | 5 | 78 |
| 150 | 100/112B5 | 5 | 58 |
| | 100/112B14 | 5 | 58 |
| | 90B5 | 5 | 48 |
| | 90B14 | 5 | 48 |



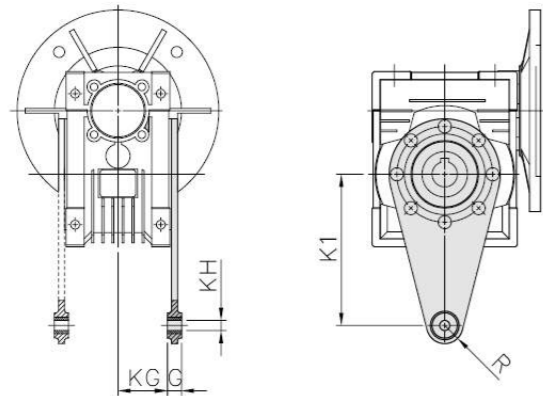
3.6 配件 Accessories

保護蓋 / Protection Cover



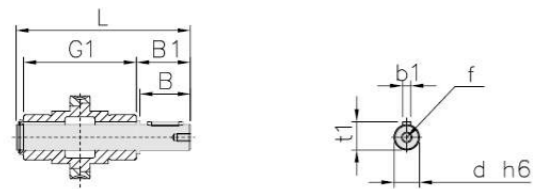
| Size | N2 | Size | N2 |
|------|----|------|-----|
| 30 | 42 | 090 | 86 |
| 40 | 50 | 110 | 94 |
| 50 | 58 | 130 | 103 |
| 63 | 68 | 150 | 113 |
| 75 | 74 | | |

扭力臂 / Torque Arm

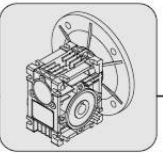


| Size | K1 | R | KG | G | KH |
|------|-----|----|------|----|----|
| 30 | 85 | 15 | 24 | 14 | 8 |
| 40 | 100 | 18 | 31.5 | 14 | 10 |
| 50 | 100 | 18 | 38.5 | 14 | 10 |
| 63 | 150 | 18 | 49 | 14 | 10 |
| 75 | 200 | 30 | 47.5 | 25 | 20 |
| 90 | 200 | 30 | 57.5 | 25 | 20 |
| 110 | 250 | 35 | 62 | 30 | 25 |
| 130 | 250 | 35 | 69 | 30 | 25 |
| 150 | 250 | 35 | 84 | 30 | 25 |

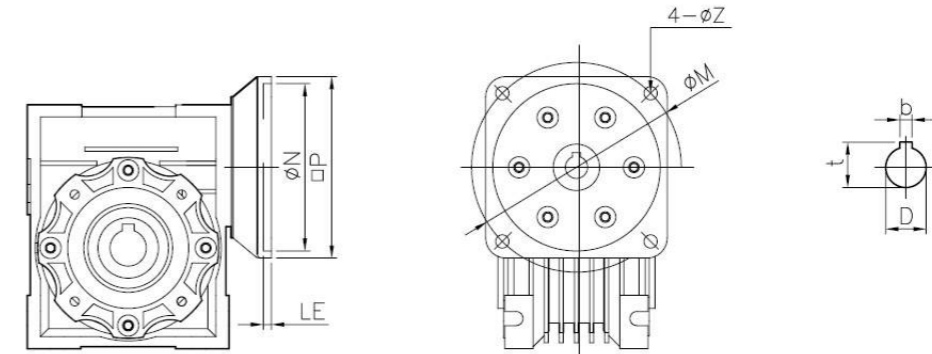
出力軸 / Output Shaft



| Size | d | B | B1 | G1 | L | L1 | f | b1 | t1 |
|------|----|----|------|-----|-----|-----|-------|----|------|
| 30 | 14 | 30 | 32.5 | 63 | 102 | 128 | M5x15 | 5 | 16 |
| 40 | 18 | 40 | 43 | 78 | 128 | 164 | M6x10 | 6 | 20.5 |
| 50 | 25 | 50 | 53.5 | 92 | 153 | 199 | M10 | 8 | 28 |
| 63 | 25 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8 | 28 |
| 75 | 28 | 60 | 63.5 | 120 | 192 | 247 | M10 | 8 | 31 |
| 90 | 35 | 80 | 84.5 | 140 | 234 | 309 | M12 | 10 | 38 |
| 110 | 42 | 80 | 84.5 | 155 | 249 | 324 | M16 | 12 | 45 |
| 130 | 45 | 80 | 85 | 170 | 265 | 340 | M16 | 14 | 48.5 |
| 150 | 50 | 82 | 87 | 200 | 297 | 374 | M16 | 14 | 53.5 |

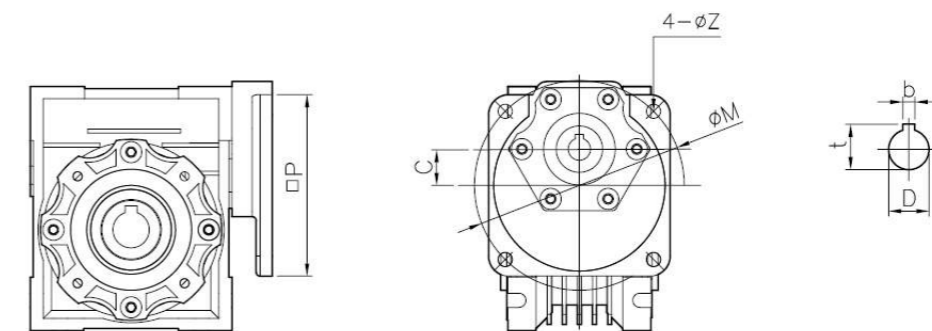


3.7 HHF 微型馬達 Small Motor

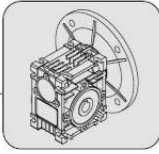


| SIZE | Motor Frame | P | N | M | Z | LE | D | b | t |
|------|-------------|-----|----|-----|-----|----|----|---|------|
| 030 | □90 | □90 | 83 | 104 | 6.6 | 3 | 9 | 3 | 10.5 |
| | □90 | □90 | 83 | 104 | 6.6 | 3 | 11 | 4 | 13 |
| 040 | □90 | □90 | 83 | 104 | 6.6 | 3 | 11 | 4 | 13 |

HHG 微型齒輪馬達 Small Geared Motor

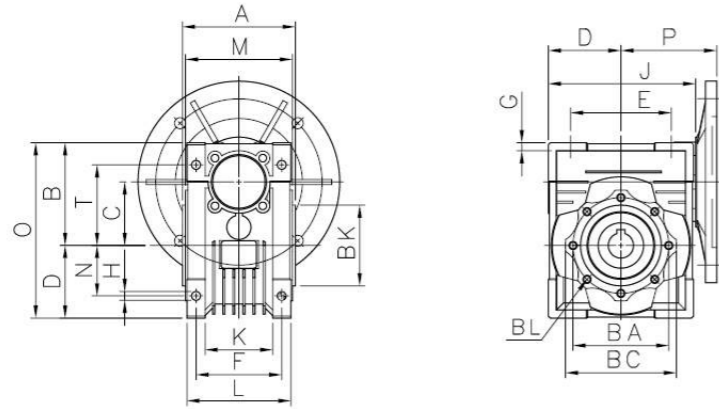


| SIZE | Motor Frame | P | C | M | Z | D | b | t |
|------|-------------|-----|----|-----|---|----|---|------|
| 030 | □80 | □80 | 15 | 94 | 6 | 9 | 3 | 10.5 |
| | □90 | □90 | 18 | 104 | 7 | 11 | 4 | 13 |
| 040 | □90 | □90 | 18 | 104 | 7 | 11 | 4 | 13 |
| | □90 | □90 | 18 | 104 | 7 | 14 | 5 | 16.3 |

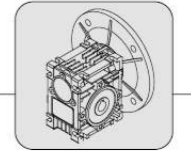


3.8 Dimension Sheets [Inch]

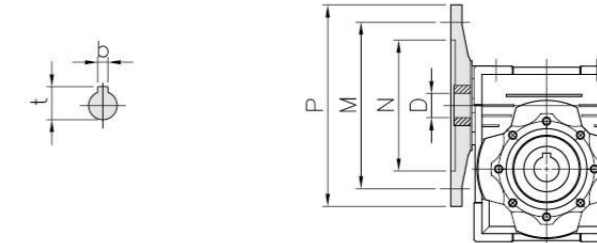
英制系列 / HHM/HMM(Inch)



| Size Dimension | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 | 150 |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| A | 2.48 | 3.07 | 3.62 | 4.41 | 4.72 | 5.51 | 6.10 | 6.69 | 7.87 |
| B | 2.24 | 2.81 | 3.31 | 4.02 | 4.69 | 5.31 | 6.59 | 7.38 | 9.06 |
| BA | 2.56 | 2.95 | 3.35 | 3.74 | 4.53 | 5.12 | 6.50 | 8.46 | 8.46 |
| BC | 2.95 | 3.43 | 3.94 | 4.33 | 5.51 | 6.30 | 7.87 | 9.84 | 9.84 |
| BH | 90° | 45° | 45° | 45° | 45° | 45° | 45° | 45° | 45° |
| BK | 2.165-0.0018 | 2.362-0.0018 | 2.756-0.0018 | 3.150-0.0021 | 3.740-0.0021 | 4.331-0.0021 | 5.118-0.0025 | 7.087-0.0025 | 7.087-0.0025 |
| BL | M6x11 | M6x10 | M8x10 | M8x14 | M8x14 | M10x18 | M10x18 | M12x21 | M12x21 |
| C | 1.18 | 1.57 | 1.97 | 2.48 | 2.95 | 3.54 | 4.33 | 5.12 | 5.91 |
| D | 1.57 | 1.97 | 2.36 | 2.83 | 3.39 | 4.06 | 5.02 | 5.81 | 6.69 |
| E | 2.13 | 2.76 | 3.15 | 3.94 | 4.72 | 5.51 | 6.69 | 7.87 | 9.45 |
| F | 1.73 | 2.36 | 2.76 | 3.35 | 3.54 | 3.94 | 4.53 | 4.72 | 5.71 |
| G | 0.22 | 0.26 | 0.28 | 0.31 | 0.39 | 0.43 | 0.57 | 0.61 | 0.71 |
| H | 0.26 | 0.26 | 0.33 | 0.33 | 0.45 | 0.51 | 0.55 | 0.63 | 0.71 |
| J | 3.15 | 3.98 | 4.76 | 5.75 | 6.85 | 8.19 | 9.94 | 11.52 | 13.39 |
| K | 1.26 | 1.69 | 1.93 | 2.64 | 2.83 | 2.91 | - | - | - |
| L | 2.20 | 2.80 | 3.35 | 4.06 | 4.41 | 5.12 | 5.67 | 6.10 | 7.28 |
| M | 2.28 | 2.87 | 3.43 | 4.17 | 4.49 | 5.28 | 5.83 | 6.38 | 7.56 |
| N | 1.06 | 1.38 | 1.57 | 1.97 | 2.36 | 2.76 | 3.35 | 3.94 | 4.72 |
| O | 3.82 | 4.78 | 5.67 | 6.85 | 8.07 | 9.37 | 11.61 | 13.19 | 15.75 |
| P | 2.64 | 3.386 | 3.70 | 4.13 | 4.96 | 5.63 | 6.61 | 7.40 | 8.46 |
| T | 1.73 | 2.17 | 2.52 | 3.15 | 3.66 | 4.02 | 4.92 | 5.51 | 7.09 |
| Z | 2.91 | 3.63 | 3.92 | 4.71 | 5.25 | 6.09 | 6.77 | 7.09 | 8.07 |



入力法蘭-入力孔-基本配置 / Input Flange-Input Bore-Perdisposition

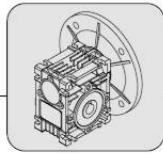


| Size | NEMA | N | M | P | D | b | t | I | | | | | | | | | | | | | |
|------|-------|------|------|-------|-------|-------|-------|---|-----|----|----|----|----|----|----|----|----|----|-----|---|---|
| | | | | | | | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 | | |
| 30 | 48C | 3.00 | 3.75 | 5.625 | 0.500 | 0.188 | 0.594 | • | • | • | • | • | • | • | • | • | • | • | • | • | - |
| | 56C | 4.50 | 5.88 | 6.500 | 0.625 | 0.188 | 0.719 | • | • | • | • | • | • | • | • | • | • | • | • | • | - |
| 40 | 56C | 4.50 | 5.88 | 6.500 | 0.625 | 0.188 | 0.719 | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 50 | 56C | 4.50 | 5.88 | 6.500 | 0.625 | 0.188 | 0.719 | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 63 | 56C | 4.50 | 5.88 | 6.500 | 0.625 | 0.188 | 0.719 | - | - | - | - | • | • | • | • | • | • | • | • | • | • |
| | 140TC | 4.50 | 5.88 | 6.500 | 0.875 | 0.188 | 0.969 | • | • | • | • | • | • | • | • | • | • | - | - | - | - |
| 75 | 56C | 4.50 | 5.88 | 6.500 | 0.625 | 0.188 | 0.719 | - | - | - | - | - | - | - | - | - | - | • | • | • | • |
| | 140TC | 4.50 | 5.88 | 6.500 | 0.875 | 0.188 | 0.969 | - | - | - | • | • | • | • | • | • | • | • | - | - | - |
| 90 | 180TC | 8.50 | 7.25 | 9.000 | 1.125 | 0.250 | 1.246 | - | • | • | • | • | • | • | • | • | • | - | - | - | - |
| | 140TC | 4.50 | 5.88 | 6.500 | 0.875 | 0.188 | 0.969 | - | - | - | - | - | - | - | - | - | - | • | • | • | • |
| 110 | 180TC | 8.50 | 7.25 | 9.000 | 1.125 | 0.250 | 1.246 | - | - | - | - | • | • | • | • | • | • | • | • | - | - |
| | 210TC | 8.50 | 7.25 | 9.000 | 1.375 | 0.312 | 1.523 | - | • | • | • | • | • | • | • | • | • | - | - | - | - |
| 130 | 140TC | 4.50 | 5.88 | 6.500 | 0.875 | 0.188 | 0.969 | - | - | - | - | - | - | - | - | - | - | - | - | • | • |
| | 180TC | 8.50 | 7.25 | 9.000 | 1.125 | 0.250 | 1.246 | - | - | - | - | - | - | - | - | - | - | • | • | • | • |
| 150 | 210TC | 8.50 | 7.25 | 9.000 | 1.375 | 0.312 | 1.523 | - | • | • | • | • | • | • | • | • | • | - | - | - | - |
| | 250TC | 8.50 | 7.25 | 9.000 | 1.625 | 0.375 | 1.800 | • | • | • | • | - | - | - | - | - | - | - | - | - | - |

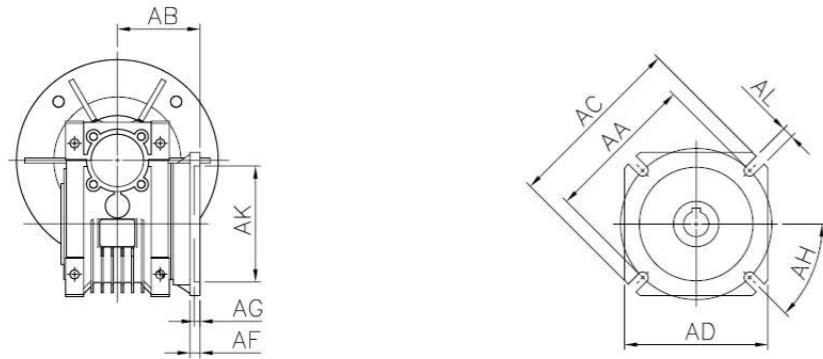
出力孔 / Output Bore



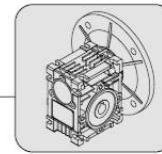
| Size Dimension | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 | 150 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A | 2.48 | 3.07 | 3.62 | 4.41 | 4.72 | 5.51 | 6.10 | 6.69 | 7.87 |
| VB | 0.83 | 1.14 | 1.28 | 1.42 | 1.56 | 1.77 | 1.97 | 2.24 | 2.85 |
| UH | 0.625+0.001 | 0.750+0.001 | 1.000+0.001 | 1.125+0.001 | 1.250+0.001 | 1.375+0.001 | 1.625+0.001 | 1.750+0.001 | 2.000+0.001 |
| SH | 0.1875 | 0.1875 | 0.2500 | 0.2500 | 0.2500 | 0.3125 | 0.3750 | 0.3750 | 0.5000 |
| RH | 0.71 | 0.84 | 1.12 | 1.24 | 1.37 | 1.52 | 1.80 | 1.93 | 2.22 |



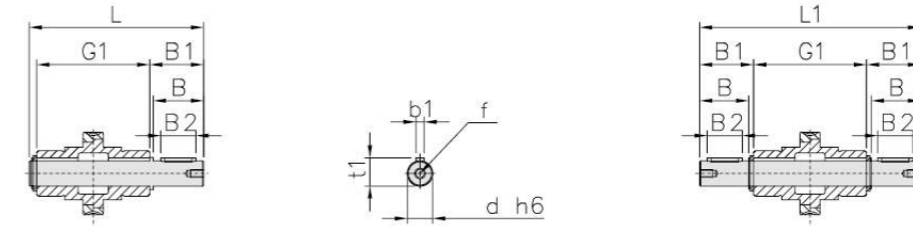
出力法蘭 / Output Flange



| Dimension Size | Output Flange | AA | AB | AC | AD | AF | AG | AH | AK | AL |
|----------------|---------------|------|-------------|-------|-------|------|------|-----|--------------------------|------|
| 30 | FA | 2.68 | 2.15 | 3.15 | 2.76 | 0.24 | 0.16 | 45° | 1.969 ^{+0.0015} | 0.26 |
| | FB | 2.95 | 2.64 | 4.33 | 3.74 | 0.28 | 0.16 | 45° | 2.362 ^{+0.0018} | 0.35 |
| 40 | FA | 2.95 | 3.82 | 4.33 | 3.74 | 0.28 | 0.16 | 45° | 2.362 ^{+0.0018} | 0.35 |
| | FC | 4.53 | 3.15 | 5.51 | — | 0.35 | 0.20 | 45° | 3.740 ^{+0.0021} | 0.37 |
| 50 | FD | 3.94 | 2.28 | 4.72 | — | 0.47 | 0.20 | 45° | 3.150 ^{+0.0018} | 0.35 |
| | FA | 3.35 | 3.54 | 4.92 | 4.33 | 0.35 | 0.20 | 45° | 2.765 ^{+0.0018} | 0.43 |
| | FB | 3.35 | 4.72 | 4.92 | 4.33 | 0.35 | 0.20 | 45° | 2.765 ^{+0.0018} | 0.43 |
| 63 | FC | 5.12 | 3.50 | 6.30 | — | 0.39 | 0.20 | 45° | 4.331 ^{+0.0021} | 0.37 |
| | FD | 4.53 | 2.83 | 5.51 | — | 0.57 | 0.20 | 45° | 3.543 ^{+0.0021} | 0.43 |
| | FE | 4.13 | 3.25 | 7.09 | 5.59 | 0.39 | 0.24 | 45° | 4.528 ^{+0.0021} | 0.43 |
| | FB | 5.91 | 4.41 | 7.09 | 5.59 | 0.39 | 0.24 | 45° | 4.528 ^{+0.0021} | 0.43 |
| 75 | FC | 6.50 | 3.86 | 7.87 | — | 0.39 | 0.20 | 45° | 5.118 ^{+0.0025} | 0.43 |
| | FD | 6.50 | 4.21 | 7.87 | — | 0.39 | 0.20 | 45° | 5.118 ^{+0.0025} | 0.43 |
| 90 | FE | 5.12 | 3.17 | 6.30 | — | 0.65 | 0.20 | 45° | 4.341 ^{+0.0021} | 0.43 |
| | FA | 6.50 | 4.37 | 7.87 | 6.69 | 0.51 | 0.24 | 45° | 5.118 ^{+0.0025} | 0.55 |
| 110 | FB | 5.12 | 3.54 | 6.30 | — | 0.51 | 0.24 | 45° | 4.341 ^{+0.0021} | 0.55 |
| | FA | 6.89 | 4.37 | 8.27 | 8.27 | 0.51 | 0.24 | 45° | 5.984 ^{+0.0025} | 0.55 |
| | FB | 8.46 | 4.80 | 9.84 | — | 0.71 | 0.24 | 45° | 7.087 ^{+0.0025} | 0.55 |
| 130 | FC | 6.50 | 4.33 | 7.87 | — | 0.67 | 0.24 | 45° | 5.118 ^{+0.0025} | 0.43 |
| | FD | 6.89 | 5.94 | 8.27 | — | 0.51 | 0.24 | 45° | 5.984 ^{+0.0025} | 0.55 |
| 150 | FA | 9.06 | 5.16 | 11.02 | 10.24 | 0.59 | 0.24 | 45° | 6.693 ^{+0.0025} | 0.55 |
| | FA | 10.4 | 5.51 | 12.6 | 11.42 | 0.59 | 0.24 | 45° | 7.087 ^{+0.0025} | 0.63 |
| 150 | FA | 10.4 | 6.10 | 12.6 | 11.42 | 0.59 | 0.24 | 45° | 7.087 ^{+0.0025} | 0.63 |

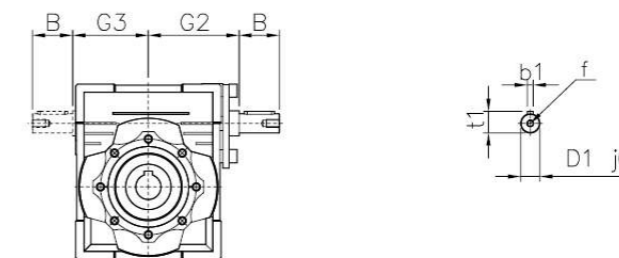


出力軸 / Output Shaft



| Size Dimension | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 | 150 |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| d | 0.625-8.0005 | 0.750-8.0005 | 1.000-8.0005 | 1.125-8.0005 | 1.250-8.0005 | 1.375-8.0005 | 1.625-8.0005 | 1.750-8.0005 | 2.000-8.0005 |
| b1 | 0.1875 | 0.1875 | 0.2500 | 0.2500 | 0.2500 | 0.3125 | 0.3750 | 0.3750 | 0.5000 |
| t1 | 0.70 | 0.83 | 1.11 | 1.23 | 1.36 | 1.51 | 1.79 | 1.92 | 2.22 |
| f | 1/4-20 | 1/4-20 | 3/8-16 | 3/8-16 | 1/2-13 | 1/2-13 | 5/8-11 | 5/8-11 | 3/4-10 |
| B | 1.57 | 1.97 | 1.97 | 2.36 | 2.76 | 3.15 | 3.54 | 3.54 | 3.94 |
| B1 | 1.67 | 2.09 | 2.11 | 2.50 | 2.89 | 3.33 | 3.72 | 3.74 | 4.13 |
| B2 | 1.125 | 1.500 | 1.500 | 1.875 | 2.250 | 2.500 | 2.750 | 2.750 | 3.500 |
| G1 | 2.48 | 3.07 | 3.62 | 4.41 | 4.72 | 5.51 | 6.10 | 6.69 | 7.87 |
| L | 4.41 | 5.43 | 6.02 | 7.20 | 7.56 | 9.21 | 9.80 | 10.43 | 11.69 |
| L1 | 5.82 | 7.25 | 7.84 | 9.41 | 10.50 | 12.17 | 13.54 | 14.17 | 16.13 |

入力軸 / Input Shaft



| Size Dimension | 30 | 40 | 50 | 63 | 75 | 90 | 110 | 130 | 150 |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| D1 | 0.375-8.0005 | 0.500-8.0005 | 0.625-8.0005 | 0.750-8.0005 | 0.875-8.0005 | 0.875-8.0005 | 1.125-8.0005 | 1.125-8.0005 | 1.375-8.0005 |
| b1 | 0.094 | 0.125 | 0.188 | 0.188 | 0.188 | 0.188 | 0.250 | 0.250 | 0.315 |
| t1 | 0.42 | 0.55 | 0.70 | 0.83 | 0.96 | 0.96 | 1.24 | 1.36 | 1.51 |
| f | 1/4-20 | 1/4-20 | 1/4-20 | 1/4-20 | 1/4-20 | 1/4-20 | 3/8-16 | 1/2-13 | 1/2-13 |
| B | 1.18 | 1.18 | 1.58 | 1.97 | 2.36 | 2.36 | 2.76 | 3.15 | 3.15 |
| G2 | 2.01 | 2.36 | 2.91 | 3.54 | 4.13 | 4.92 | 5.59 | 6.38 | 7.68 |
| G3 | 1.77 | 2.09 | 2.52 | 2.95 | 3.54 | 4.25 | 5.31 | 6.10 | 6.89 |



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