Http://www.chentagear.com.tw

GEAR CHENTA

ALUMINUM HOUSING/ HOLLOW OUTPUT/ WORM GEAR REDUCERS

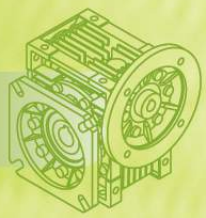
成大鋁殼中空軸蝸輪減速機

UKAS QUALITY MANAGEMENT 005

SYSTEM CERTIFICATION ISO 9001:2000 SGS

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

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，當時爲南臺灣之翹楚，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制造廠技術合作，開始生產制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 品牌營銷全球。主要市場爲臺灣、亞洲、北美洲及中東，至今已執臺灣業界之牛耳。幷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，研發制造高質量的產品”爲信念。

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”爲追求目標。

5. 累積 40 多年之機械制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 7000㎡ 蘇州廠 30000㎡

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 7000m^2 Suzhou Plant:30000 m^2

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>蝸桿採用鉻鉬合金鋼，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

-**H**igh accuracy.

-**E**nlarged facial area for a better heat radiating and durability promoting.

-**L**ight duty and compact design.

-**L**ess expenses on maintaining.

-**O**il change is an optional.

-**C**apability of back-drivable.

-**H**igher strength design on hollow output shaft.

-**E**nhanced input shaft made of Cr-Mo alloy steel under carburized heat treatment.

-**N**umerous accessories with a wider collocation.

-**T**ransmission of power with minimized vibration and noise level.

-**A**luminum alloy casting for size #30-#90 and cast-iron casting for size #110-#150.

-**G**eneral design on dimensions for a higher compatibility.

-**E**xtensive applicability.

-**A**vailable for universal mounting positions.

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

IV. Attachments the parts on reducer's shaft

1.Notice:Avoid heavy impact on shafts!It may cause bearing damages and undermines bearing performances.If bearings are to be replaced,we recommend heating method,which heats the bearing above 80℃, 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℃

＊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℃

＊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	1. 超過標準負荷運轉 2. 潤滑油加入過多或過少 3. 加入潤滑油不適當或不良 4. 油封唇部潤滑不足	1. 調整至正常負荷 2. 潤滑油應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	1. 有規律噪音 { 齒面接觸不良 / 軸承損壞 2. 尖銳的金屬聲音 { 軸承間隙太小 / 潤滑油不足 3. 不規律噪音 { 異物掉入 / 軸承受損	1. { 修整齒接觸面 / 更換軸承 2. { 更換軸承 / 補足潤滑油 3. { 除去異物，更換新潤滑油 / 更換軸承
三、運轉時振動	1. 蝸輪磨損 2. 異物掉入 3. 軸承磨耗或受損 4. 螺絲鬆動	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	1. 油封損傷 2. 墊片破損 3. 蓋類或法蘭螺絲鬆脫	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	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	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	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	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	1. 超正常負荷 2. 潤滑油不良或不適當 3. 潤滑油不足 4. 運轉環境溫度過高	1. 調整適當負荷 2. 更換適當之潤滑油 3. 補充潤滑油 4. 改善通風環境

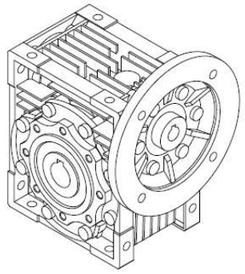
General Problems & Improvements

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

CAUSE	REASON	IMPROVEMENT
1、Overheat	1. Overload 2. Lubricant oil overfill or shortage 3. Improper lubricant oil 4. Extra friction on oil seal(lack of lubricant)	1. Adjust to proper loading 2. Please refer to oil volume table and mounting position indication for a correct oil filling. 3. Chang proper lubricant oil 4. Lip lubricant at oil seal
2、Noise	1. Consistent noise { improper gears contact; / bearing damaged 2. Screaming noise { bearing gap too small; / Lubricant oil shortage 3. Inconsistent noise { some object insert; / bearing damaged	1. { Repair gears; / Replace bearing 2. { Replace bearing; / Fill in lubricant oil 3. { Remove debris & replace lubricant oil; / Replace bearing
3、Vibration	1. Worm gear wear 2. Debris inside 3. Bearing worn-out or damaged 4. Bolt loose	1. Replace worm gear 2. Remove debris & replace lubricant oil 3. Replace bearing 4. Tighten bolt
4、Oil Leakage	1. Oil seal damage 2. Gasket damage 3. Loose covers or flange	1. Replace oil seal 2. Replace gasket 3. Tighten the bolts
5、Input and Output Shaft Fail	1. Worm gear-bound caused by overheat 2. Bearing damage 3. Debris between gears	1. Adjust or replace gears 2. Replace bearing 3. Remove debris; clean inside then replace lubricant oil
6、Input shaft fail to drive output shaft	1. Worm gear wear 2. Damage to key connecting gear and output shaft 3. Input shaft rupture 4. Output shaft rupture	1. Replace gears 2. Replace key 3. Replace input shaft 4. Replace output shaft
7、Gear Worn-out	1. Overload 2. Improper lubricant oil 3. Lubricant oil shortage 4. Excessive ambient temperature	1. Adjust to proper loading 2. Change proper lubricant oil 3. Refill lubricant oil 4. Ventilation improvement

2.1 產品型式　Variants

法蘭入力型　Input Flange



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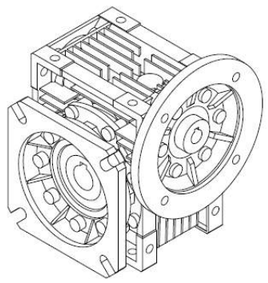

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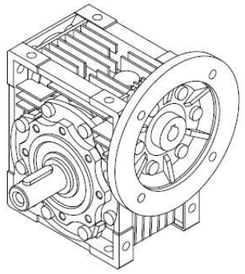

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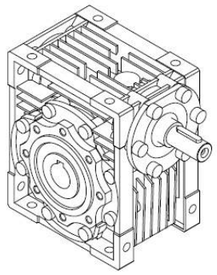
實心入力型 Solid Input Shaft



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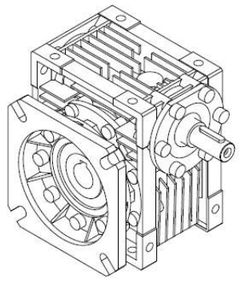

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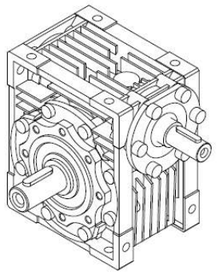
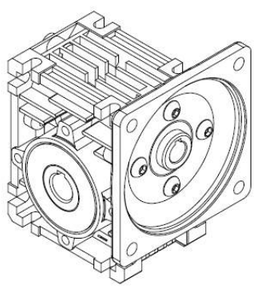
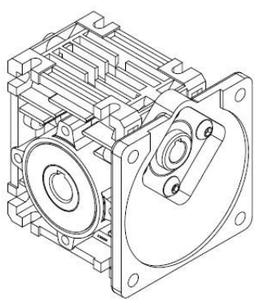


HSS...

微型馬達專用型　Small Motor Coupling

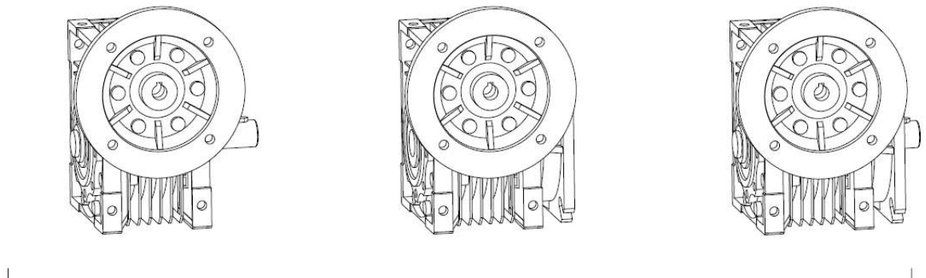


HHF...

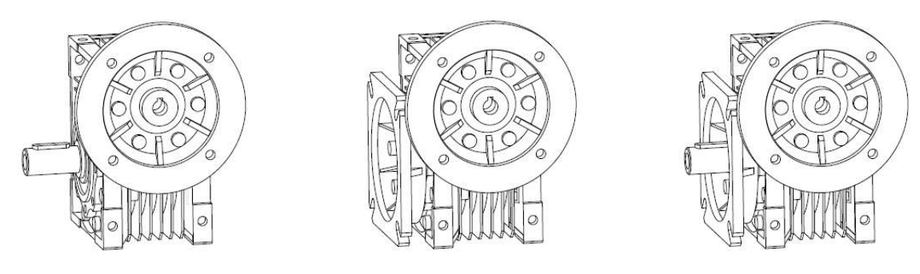


HHG...

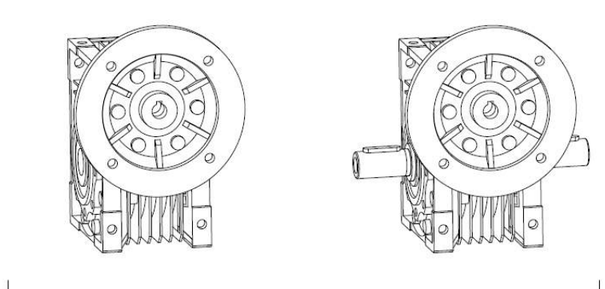
2.2 軸向 Direction of shaft



A

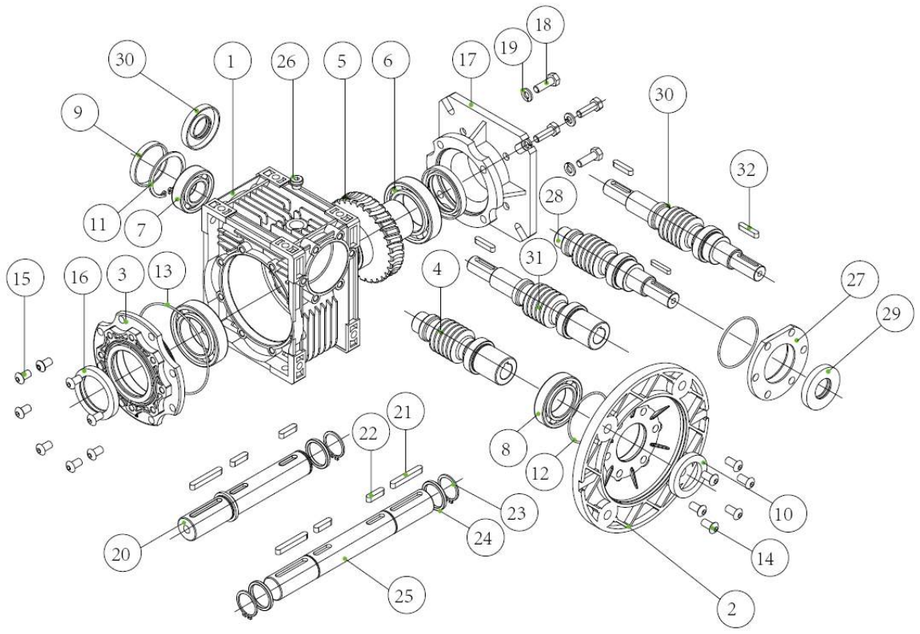


B



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

H H M 050 030 3 0 HH F

- 機型 Model
- 型號 Size
- 速比 Ratio
- 軸向 Direction of Shaft
- 漆色 Paint
- 法蘭框號 Flange Frame (IEC B5/NEMA)
- 法蘭框號 Flange Frame(IEC B14)

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

速比 Ratio

05: 1/5
〜
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

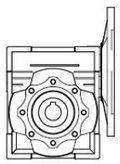
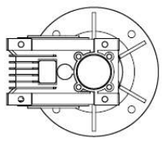
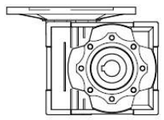
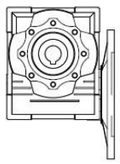
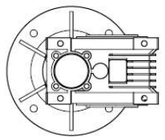
A、B、C

漆色 Paint

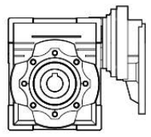
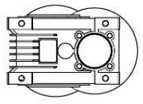
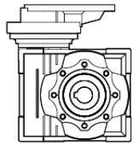
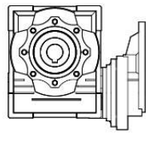
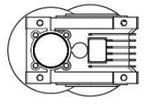
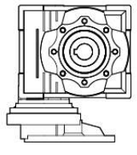
0: 鋁殼藍漆
Blue

2.5 安裝位置
Mounting Positions

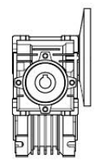
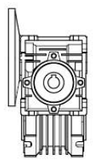
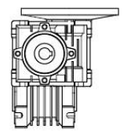
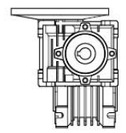
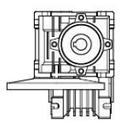
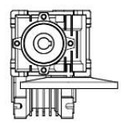
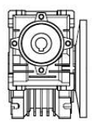
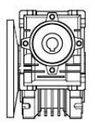
HH...

B3	B6	V5
		
B8	**B7**	**V6**
		

HH+PC...

B3	B6	V5
		
B8	**B7**	**V6**
		

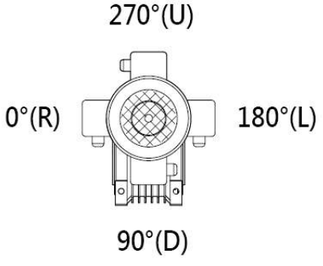
HHX

AS1	AS2	VS1	VS2
			
PS1	**PS2**	**BS1**	**BS2**
			

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 specifit 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

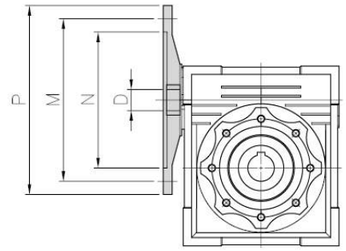
PC..

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
					D											
30	63B5	95	115	140	11	11	11	11	11	11	11	11	11	–	–	–
	63B14	60	75	90												
	56B5	80	100	120	9	9	9	9	9	9	9	9	9	9	9	–
	56B14	50	65	80												
40	71B5	110	130	160	14	14	14	14	14	14	14	14	–	–	–	–
	71B14	70	85	105												
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90												
	56B5	80	100	120	–	–	–	–	–	–	–	–	9	9	9	9
50	80B5	130	165	200	19	19	19	19	19	19	19	–	–	–	–	–
	80B14	80	100	120												
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	–
	71B14	70	85	105												
	63B5	95	115	140	–	–	–	–	–	–	–	–	11	11	11	11
63	90B5	130	165	200	24	24	24	24	24	24	24	–	–	–	–	–
	90B14	95	115	140												
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	19	19	19
	80B14	80	100	120												
	71B5	110	130	160	–	–	–	–	–	–	–	14	14	14	14	14
	71B14	70	85	105												
75	100/112B5	180	215	250	–	28	28	28	–	–	–	–	–	–	–	–
	100/112B14	110	130	160												
	90B5	130	165	200	–	24	24	24	24	24	24	24	–	–	–	–
	90B14	95	115	140												
	80B5	130	165	200	–	–	–	–	19	19	19	19	19	19	19	19
	80B14	80	100	120												
	71B5	110	130	160	–	–	–	–	–	–	–	–	14	14	14	14
90	100/112B5	180	215	250	–	28	28	28	28	28	28	–	–	–	–	–
	100/112B14	110	130	160												
	90B5	130	165	200	–	24	24	24	24	24	24	24	24	24	–	–
	90B14	95	115	140												
	80B5	130	165	200	–	–	–	–	–	–	–	19	19	19	19	19
	80B14	80	100	120												
110	132B5	230	265	300	–	38	38	38	38	–	–	–	–	–	–	–
	132B14	130	165	200												
	100/112B5	180	215	250	–	28	28	28	28	28	28	28	28	28	–	–
	100/112B14	110	130	160												
	90B5	130	165	200	–	–	–	–	–	24	24	24	24	24	24	24
	90B14	95	115	140												
	80B5	130	165	200	–	–	–	–	–	–	–	–	–	–	19	19
130	132B5	230	265	300	–	38	38	38	38	38	38	38	–	–	–	–
	132B14	130	165	200												
	100/112B5	180	215	250	–	–	–	–	–	28	28	28	28	28	28	28
	100/112B14	110	130	160												
	90B5	130	165	200	–	–	–	–	–	–	–	–	–	–	24	24
	90B14	95	115	140												
150	160B5	250	300	350	–	42	42	42	42	–	–	–	–	–	–	–
	132B5	230	265	300	–	–	–	–	38	38	38	38	38	–	–	–
	132B14	130	165	200												
	100/112B5	180	215	250	–	–	–	–	–	–	–	–	28	28	28	28

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	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

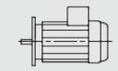
[7] 減速機規格
Gear unit size

[8] 入力端軸徑
Input shaft diameter

[9] 重量
Weight

1750 Input Rpm

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

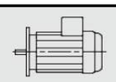
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.06	350	1.4	5	554	12.7			
(0.08HP)	233	2.1	7.5	634	8.7			
	175	2.7	10	698	6.7			
	117	3.9	15	799	4.7			
	88	4.9	20	880	3.5			
	70	5.7	25	948	3.7	30	56	1.2
	58	6.3	30	1007	3.2			
	44	7.7	40	1108	2.3			
	35	9.3	50	1194	1.8			
	29	10	60	1269	1.5			
	22	12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

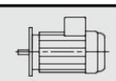
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	88	15	20	880	1.2			
	70	17	25	948	1.2			
	58	19	30	1007	1.1			
	117	12	15	1538	3.4			
	88	16	20	1693	2.6			
	70	19	25	1824	2.0			
	58	21	30	1938	2.2	40	63	2.3
	44	26	40	2133	1.7			
	35	31	50	2298	1.3			
	29	34	60	2442	1.1			
	44	27	40	2927	2.9			
	35	31	50	3153	2.3			
	29	35	60	3351	1.9	50	63	3.5
	22	43	80	3688	1.4			
	18	49	100	3973	1.1			
0.25	350	6	5	1066	5.6			
(0.34HP)	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	40	71	2.3
	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	50	71	3.5
	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	63	71	6.2
	22	64	80	4821	1.8			
	18	74	100	5193	1.5			
	29	55	60	5170	3.6			
	22	68	80	5691	2.7	75	71	9
	18	78	100	6130	2.2			
0.37	350	8.9	5	1066	3.8			
(0.5HP)	233	13	7.5	1221	3.0			
	175	17	10	1344	2.4			
	117	25	15	1538	1.7	40	71	2.3
	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	50	71	3.5
	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	63	71	6.2
	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	75	71	9
	22	100	80	5691	1.8			
	18	115	100	6130	1.5			
0.55	350	13	5	1464	4.8			
(0.74P)	233	20	7.5	1676	3.7			
	175	26	10	1844	2.9			
	117	37	15	2111	2.1	50	80	3.5
	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	63	80	6.2
	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	75	80	9
	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	90	80	13
	22	157	80	6297	1.7			
	18	184	100	6783	1.4			
	22	166	80	7956	2.9	110	80	21
	18	196	100	8571	2.3			
0.75	350	18	5	1464	3.5			
(1HP)	233	27	7.5	1676	2.7			
	175	36	10	1844	2.1			
	117	51	15	2111	1.5	50	80	3.5
	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	63	80	6.2
	58	93	30	3477	1.6			
	44	117	40	3827	1.2			
	35	140	50	4122	1.0			

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	117	53	15	3257	4.0			
	88	68	20	3585	3.2			
	70	84	25	3862	2.4			
	58	95	30	4104	2.4			
	44	121	40	4517	1.9	**75**	**80**	**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			
	35	151	50	5383	2.3			
	29	174	60	5721	1.9	**90**	**80**	**13**
	22	214	80	6297	1.3			
	18	250	100	6783	1.0			
	35	157	50	6803	4.0			
	29	184	60	7229	3.2	**110**	**80**	**21**
	22	226	80	7956	2.2			
	18	267	100	8571	1.7			
1.1	**350**	27	5	1833	3.7			
(1.5HP)	**233**	40	7.5	2190	3.0			
	175	52	10	2411	2.4			
	117	76	15	2759	1.8	**63**	**90**	**6.2**
	88	99	20	3037	1.4			
	70	119	25	3272	1.1			
	58	137	30	3477	1.1			
	175	53	10	2845	3.5			
	117	78	15	3257	2.8			
	88	100	20	3585	2.2			
	70	123	25	3862	1.6			
	58	140	30	4104	1.6	**75**	**90**	**9**
	44	177	40	4517	1.3			
	35	212	50	4865	1.0			
	29	243	60	5170	0.8			
	88	103	20	3967	3.6			
	70	126	25	4273	2.8			
	58	144	30	4541	2.9			
	44	185	40	4998	2.0	**90**	**90**	**13**
	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			
	29	269	60	7229	2.2	**110**	**90**	**21**
	22	332	80	7956	1.5			
	18	391	100	8571	1.2			
	22	331	80	10406	2.4	**130**	**90**	**43.5**
	18	391	100	11210	1.8			
1.5	**350**	37	5	1833	2.7			
(2HP)	**233**	55	7.5	2190	2.2			
	175	71	10	2411	1.8	**63**	**90**	**6.2**
	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			

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			
	70	171	25	4273	2.1			
	58	196	30	4541	2.1	**90**	**90**	**13**
	44	252	40	4998	1.5			
	35	303	50	5383	1.2			
	29	348	60	5721	1.0			
	70	175	25	5399	3.7			
	58	199	30	5737	3.5			
	44	261	40	6315	2.6			
	35	315	50	6803	2.0	**110**	**90**	**21**
	29	367	60	7229	1.6			
	22	453	80	7956	1.1			
	18	534	100	8571	0.9			
2.2	**233**	81	7.5	2585	2.2			
(3HP)	**175**	106	10	2845	1.8			
	117	156	15	3257	1.4	**75**	**100**	**9**
	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			
	175	107	10	3148	3.0			
	117	157	15	3604	2.4			
	88	206	20	3967	1.8	**90**	**100**	**13**
	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			
	70	257	25	5399	2.5			
	58	292	30	5737	2.4	**110**	**100**	**21**
	44	383	40	6315	1.7			
	35	461	50	6803	1.4			
	29	538	60	7229	1.1			
	70	255	25	7062	3.5			
	58	292	30	7504	3.4			
	44	380	40	8260	2.6			
	35	456	50	8897	2.0	**130**	**100**	**43.5**
	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			
3	**233**	110	7.5	2585	1.6			
(4HP)	**175**	145	10	2845	1.3	**75**	**100**	**9**
	117	213	15	3257	1.0			
	233	111	7.5	2860	2.7			
	175	146	10	3148	2.2			

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	2.5	**130**	**100**	**43.5**
	58	398	30	7504	2.5			
	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	2.1	**150**	**100**	**77**
	29	727	60	12926	1.6			
	22	903	80	14226	1.2			
	18	1063	100	15325	0.9			
4	**233**	147	7.5	2585	1.2	**75**	**112**	**9**
(5.4HP)	**175**	193	10	2845	1.0			
	233	148	7.5	2860	2.0	**90**	**112**	**13**
	175	195	10	3148	1.7			
	117	286	15	3604	1.3			
	88	374	20	3967	1.0			
	233	148	7.5	3614	3.5	**110**	**112**	**21**
	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	**130**	**112**	**43.5**
	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	1.6	**150**	**112**	**77**
	29	969	60	12926	1.2			
	22	1204	80	14226	0.9			

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
5.5	**233**	203	7.5	3614	2.6	**110**	**132S**	**21**
(7.4HP)	**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	**150**	**132S**	**77**
	70	638	25	9654	1.8			
	58	756	30	10259	1.5			
	44	949	40	11292	1.6			
	35	1156	50	12163	1.2			
	29	1333	60	12926	0.9			
7.5	**233**	277	7.5	3614	1.9	**110**	**132M**	**21**
(10HP)	**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	**130**	**132M**	**43.5**
	175	364	10	5203	2.1			
	117	534	15	5956	1.6			
	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	**150**	**132M**	**77**
	70	870	25	9654	1.3			
	58	1031	30	10259	1.1			
	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	233	410	7.5	6463	2.8			
(15HP)	175	540	10	7113	2.2			
	117	792	15	8143	1.5	150	160M	77
	88	1044	20	8962	1.2			
	70	1276	25	9654	0.9			
15	233	559	7.5	6463	2.0			
(20HP)	175	737	10	7113	1.6			
	117	1080	15	8143	1.1	150	160L	77
	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	25.6	34	68.25	2630	1.4			
(0.16HP)	21.4	37	81.9	2796	1.4			
	16	46	109.2	3077	1.1	40	PC063	3.4
	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	50	PC063	4.6
	8	70	218.4	4494	1.0			
	6.4	78	273	4494	0.8			
	8	74	218.4	5822	1.8	63	PC063	7.3
	6.4	82	273	5822	1.4			
0.18	25.6	51	68.25	2630	1.0			
(0.25HP)	21.4	56	81.9	2796	1.0	40	PC063	3.4
	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	50	PC063	4.6
	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	63	PC063	7.3
	8	111	218.4	5822	1.2			
	6.4	124	273	5822	1.0			
0.22	25.6	62	68.25	3611	1.4			
(0.3HP)	21.4	69	81.9	3837	1.4	50	PC063	4.6
	16	85	109.2	4223	1.1			
	12.8	101	136.5	5822	1.7	63	PC063	7.3
	10.7	114	163.8	5822	1.3			
0.25	25.6	70	68.25	3611	1.2			
(0.34HP)	21.4	78	81.9	3837	1.3	50	PC071	5.1
	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			
	16	100	109.2	5520	1.8			
	12.8	115	136.5	5822	1.4	63	PC071	7.8
	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			
	10.7	137	163.8	6852	1.7	75	PC071	10.6
	8	161	218.4	6852	1.3			
	6.4	183	273	6852	1.1			
0.37	25.6	107	68.25	4720	1.4			
(0.5HP)	21.4	118	81.9	5015	1.7	63	PC071	7.8
	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	90	PC071	14.6
	6.4	296	273	7595	1.1			
0.55	25.6	160	68.25	4720	1.0	63	PC071	7.8
(0.75HP)	21.4	175	81.9	5015	1.1			
	25.6	164	68.25	5571	1.4			
	21.4	184	81.9	5919	1.6	75	PC071	10.6
	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			
	10.4	318	168	7595	1.2	90	PC080	16.4
	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	25	224	70	5571	1.1	75	PC080	12.4
(1HP)	20.8	251	84	5919	1.2			
	20.8	263	84	6550	2.0			
	15.6	325	112	7209	1.4	90	PC080	16.4
	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	25	275	70	5571	0.8	75	PC080	12.4
(1.24HP)	20.8	308	84	5919	1.0			
	20.8	322	84	6550	1.7			
	15.6	398	112	7209	1.2	90	PC080	16.4
	12.5	474	140	7595	1.0			
	25	294	70	7788	3.0			
	15.6	422	112	9110	2.2	110	PC080	38.4
	12.5	497	140	9582	1.7			
	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	23.8	313	73.5	7705	3.0			
(1.5HP)	17.9	406	98	8480	2.2			
	14.3	478	122.5	9135	1.8	110	PC090	38.4
	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	**130**	**PC090**	**51.4**
	11.9	548	147	12535	1.9			
	8.9	673	196	12535	1.4			
	7.1	772	245	12535	1.1			
1.5	**23.8**	427	73.5	7705	2.3			
(2HP)	**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	**23.8**	524	73.5	7705	1.8			
(2.48HP)	**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			
	14.3	812	122.5	11948	1.4	**130**	**PC090**	**51.4**
	11.9	916	147	12535	1.1			

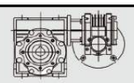
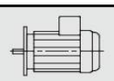
3.1.3 Double Reduction+Motor 選型表 Input Flange Type(Double Reduction)

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
0.06	**17.5**	21	100	2769	3.3			
(0.08HP)	**11.7**	29	150	3169	2.5			
	8.8	39	200	3488	1.7	**30-40**	**56**	**3.5**
	7	42	250	3490	1.3			
	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	**30-63**	**56**	**7.4**
	1.5	145	1200	6270	1.8			
	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	**40-50**	**56**	**5.8**
	2.3	120	750	4840	1.3			
	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	**40-75**	**56**	**11.3**
	0.6	307	3000	7380	1.2			
	0.4	442	4000	7380	1.0			
	0.4	414	5000	7380	0.8			
	1.2	197	1500	8180	3.3			

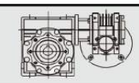
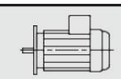
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	1	240	1800	8180	3.0			
	0.7	314	2400	8180	2.2			
	0.6	350	3000	8180	1.7	40-90	56	15.3
	0.4	480	4000	8180	1.3			
	0.4	420	5000	8180	1.2			
0.09	17.5	32	100	2769	2.2			
(0.12HP)	11.7	43	150	3169	1.7			
	8.8	58	200	3488	1.1	30-40	56	3.5
	7	63	250	3490	0.9			
	5.8	76	300	3490	1.0			
	17.5	32	100	3800	4.2			
	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	30-50	56	4.7
	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			
	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	30-63	56	7.4
	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	40-50	56	5.8
	1.2	261	1500	6270	1.0	40-63	56	8.5
	1.2	272	1500	7380	1.4			
	1	320	1800	7380	1.3	40-75	56	11.3
	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			
0.12	17.5	42	100	3800	3.2			
(0.16HP)	11.7	59	150	4350	2.3			
	8.8	76	200	4788	1.6			

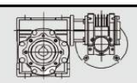
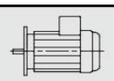
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	7	88	250	4840	1.3	30-50	63	4.7
	5.8	101	300	4840	1.5			
	4.4	118	400	4840	1.1			
	3.5	144	500	4840	0.9			
	17.5	42	100	4967	3.3			
	11.7	59	150	5686	3.3			
	8.8	75	200	6259	3.3			
	7	92	250	6270	2.5			
	5.8	95	300	6270	2.8			
	4.4	122	400	6270	2.1	30-63	63	7.4
	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			
	11.7	61	150	4350	2.3			
	8.8	76	200	4788	1.6	40-50	63	5.8
	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			
	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	40-63	63	8.5
	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			
	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	40-75	63	11.3
	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			

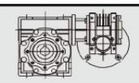
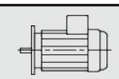
1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	3.5	163	500	8180	3.5			
	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	**40-90**	**63**	**15.3**
	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			
	1.2	394	1500	8180	1.7	**50-90**	**63**	**16.5**
	1	480	1800	8180	1.5			
	0.7	627	2400	8180	1.1			
	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	**50-110**	**63**	**38.5**
	0.6	786	3000	10320	1.5			
	0.4	1100	4000	10320	1.3			
	0.4	990	5000	10320	1.1			
0.18	**17.5**	64	100	2769	1.1	**30-40**	**63**	**3.5**
(0.25HP)	**17.5**	64	100	3800	2.1			
	11.7	88	150	4350	1.5			
	8.8	115	200	4788	1.1	**30-50**	**63**	**4.7**
	7	132	250	4840	0.8			
	5.8	151	300	4840	1.0			
	17.5	64	100	4967	2.2			
	11.7	89	150	5686	2.2			
	8.8	113	200	6259	2.2			
	7	139	250	6270	1.7	**30-63**	**63**	**7.4**
	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			
	17.5	66	100	3800	2.1			
	11.7	92	150	4350	1.5			
	8.8	115	200	4788	1.1	**40-50**	**63**	**5.8**
	7	132	250	4840	0.8			
	5.8	151	300	4840	0.9			
	17.5	66	100	4967	3.9			
	11.7	93	150	5686	2.8			

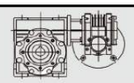
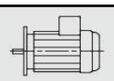
1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	8.8	117	200	6259	2.2			
	7	139	250	6270	1.7			
	5.8	152	300	6270	1.8	**40-63**	**63**	**8.5**
	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			
	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	**40-75**	**63**	**11.3**
	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			
	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	**40-90**	**63**	**15.3**
	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			
	1.5	531	1200	8180	1.3			
	1.2	591	1500	8180	1.1	**50-90**	**63**	**16.5**
	1	720	1800	8180	1.0			
	1.5	536	1200	10320	2.3			
	1.2	589	1500	10320	2.0			
	1	701	1800	10320	1.8	**50-110**	**63**	**38.5**
	0.7	962	2400	10320	1.3			
	0.6	1179	3000	10320	1.0			
0.25	**17.5**	91	100	3800	1.5	**40-50**	**71**	**5.8**
(0.34HP)	**11.7**	128	150	4350	1.1			
	17.5	92	100	4967	2.8			
	11.7	129	150	5686	2.0			
	8.8	162	200	6259	1.6	**40-63**	**71**	**8.5**
	7	193	250	6270	1.2			
	5.8	211	300	6270	1.3			

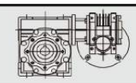
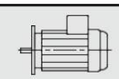
Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	4.4	254	400	6270	1.0			
	17.5	93	100	5863	3.6			
	11.7	132	150	6712	3.2			
	8.8	167	200	7380	2.5			
	7	200	250	7380	1.9			
	5.8	225	300	7380	2.0	**40-75**	**71**	**11.3**
	4.4	274	400	7380	1.5			
	3.5	307	500	7380	1.2			
	2.9	419	600	7380	1.1			
	2.3	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	**40-75**	**71**	**11.3**
	7	296	250	7380	1.3			
	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			

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	8.8	256	200	8174	2.4			
	7	307	250	8180	1.8			
	5.8	350	300	8180	2.0	**40-90**	**71**	**15.3**
	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			
	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	**50-90**	**71**	**16.5**
	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			
	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	**50-110**	**71**	**38.5**
	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			
	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	**63-110**	**71**	**41.2**
	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			
	3.5	546	500	13500	2.8			
	2.9	671	600	13500	2.6			
	2.3	841	750	13500	2.1	**63-130**	**71**	**54.2**
	1.9	979	900	13500	1.9			

1750 Input Rpm

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	1.5	1158	1200	13500	1.5			
	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	**63-150**	**71**	**90.2**
	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	**17.5**	215	100	6487	2.8			
(0.74HP)	**11.7**	304	150	7426	2.2			
	8.8	387	200	8174	1.6			
	7	473	250	8180	1.2	**50-90**	**80**	**16.5**
	5.8	529	300	8180	1.3			
	4.4	651	400	8180	0.9			
	17.5	214	100	8198	2.9			
	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	**50-110**	**80**	**38.5**
	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			
	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	**63-110**	**80**	**41.2**
	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			
	3.5	812	500	13500	1.9	**63-130**	**80**	**54.2**
	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			
	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	**63-150**	**80**	**90.2**
	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	**17.5**	293	100	6487	2.0			
(1HP)	**11.7**	414	150	7426	1.6			
	8.8	527	200	8174	1.1	**50-90**	**80**	**16.5**
	7	645	250	8180	0.9			
	5.8	721	300	8180	1.0			
	17.5	292	100	8198	2.1			
	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	**50-110**	**80**	**38.5**
	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			
	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	**63-110**	**80**	**41.2**
	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			
	7	670	250	13500	2.3			
	5.8	738	300	13500	2.4	**63-130**	**80**	**54.2**
	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			
	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	**63-150**	**80**	**90.2**
	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			
(1.5HP)	**11.7**	615	150	9384	1.9			
	8.8	797	200	10320	1.4	**63-110**	**90**	**41.2**
	7	983	250	10320	1.2			
	5.8	1064	300	10320	1.2			
	17.5	433	100	10722	2.4			
	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	**63-130**	**90**	**54.2**
	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			
	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	**63-150**	**90**	**90.2**
	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			
	11.7	828	150	12274	1.8			
	8.8	1091	200	13500	1.5			
	7	1340	250	13500	1.1	**63-130**	**90**	**54.2**
	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			
	8.8	1091	200	18000	1.8			
	7	1337	250	18000	1.5			
	5.8	1606	300	18000	1.3	**63-150**	**90**	**90.2**
	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			
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**	**Ø9**	**1**
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			
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**	**Ø11**	**2**
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			
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	**50**	**Ø14**	**3.3**
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			
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	**63**	**Ø19**	**5.8**
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			
10	175	187	3.9	2845	839			
15	117	215	3	3257	962			
20	88	221	2	3585	980	**75**	**Ø24**	**8.8**
25	70	202	2	3862	980			
30	58	229	2	4104	980			

1750 Input Rpm

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	**90**	**Ø24**	**13**
40	44	376	2	4998	1270			
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	**110**	**Ø28**	**21**
40	44	667	3.83	6315	1700			
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	**130**	**Ø30**	**43.5**
40	44	998	5.78	8260	2100			
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	**150**	**Ø30**	**77**
40	44	1473	8.54	11292	2800			
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			

1400 Input Rpm

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	**280**	1.8	5	597	10.7			
(0.08HP)	**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	**280**	2.7	5	597	7.1			
(0.12HP)	**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	**280**	3.6	5	597	5.3			
(0.16HP)	**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	**280**	5.3	5	597	3.6			
(0.25HP)	**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			
	23.3	45	60	3610	1.6	**50**	**63**	**3.5**
	17.5	53	80	3973	1.2			
	14	62	100	4280	0.9			
0.25	**280**	7.6	5	1149	4.8			
(0.34HP)	**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			
	70	27	20	1824	1.6	**40**	**71**	**2.3**
	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			
	46.7	37	30	2865	2.4			
	35	47	40	3153	1.8	**50**	**71**	**3.5**
	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			
	28	57	50	4440	2.4			
	23.3	65	60	4719	2.0	**63**	**71**	**6.2**
	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			
0.37	**280**	11	5	1149	3.2			
(0.5HP)	**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			
	70	41	20	2503	1.9			
	56	49	25	2696	1.5	**50**	**71**	**3.5**
	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			
	35	72	40	4122	2.0			
	28	85	50	4440	1.6	**63**	**71**	**6.2**
	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			
	28	88	50	5241	2.4			
	23.3	100	60	5569	2.0	**75**	**71**	**9**
	17.5	123	80	6130	1.5			
	14	142	100	6603	1.3			
0.55	**280**	17	5	1577	4.1			
(0.75HP)	**186.7**	25	7.5	1805	3.1			
	140	33	10	1987	2.4			
	93.3	47	15	2274	1.7	**50**	**80**	**3.5**
	70	60	20	2503	1.3			
	56	72	25	2696	1.0			
	46.7	82	30	2865	1.1			
	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	**63**	**80**	**6.2**
	35	106	40	4122	1.4			
	28	126	50	4440	1.1			
	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	**75**	**80**	**9**
	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	**90**	**80**	**13**

Pm [kW]	na [1/min]	Ma [Nm]	i	FRa [N]	fs			m [kg]
	17.5	191	80	6783	1.5			
	14	225	100	7306	1.2			
	17.5	204	80	8571	2.5	**110**	**80**	**21**
	14	239	100	9232	2.0			
0.75	**280**	23	5	1577	3.0			
(1HP)	**186.7**	34	7.5	1805	2.3			
	140	45	10	1987	1.8			
	93.3	64	15	2274	1.3	**50**	**80**	**3.5**
	70	82	20	2503	0.9			
	56	99	25	2696	0.7			
	46.7	112	30	2865	0.8			
	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	**63**	**80**	**6.2**
	46.7	115	30	3745	1.4			
	35	145	40	4122	1.0			
	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	**75**	**80**	**9**
	35	150	40	4865	1.5			
	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	**90**	**80**	**13**
	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			
	140	65	10	2597	2.0			
	93.3	94	15	2973	1.5	**63**	**90**	**6.2**
	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			
	93.3	97	15	3509	2.1			
	70	125	20	3862	1.7			
	56	152	25	4160	1.3	**75**	**90**	**9**
	46.7	173	30	4421	1.3			
	35	220	40	4865	1.0			
	28	263	50	5241	0.8			
	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	**90**	**90**	**13**
	28	274	50	5799	1.4			
	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	**110**	**90**	**21**
	17.5	408	80	8571	1.3			
	14	479	100	9232	1.0			
	17.5	414	80	11210	2.0	**130**	**90**	**43.5**
	14	487	100	12076	1.5			
1.5	**280**	46	5	1980	2.2			
(2HP)	**186.7**	68	7.5	2359	1.9			
	140	89	10	2597	1.5	**63**	**90**	**6.2**
	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			
	46.7	243	30	4891	1.8	**90**	**90**	**13**
	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			
	35	323	40	6803	2.2			
	28	440	50	7328	1.5	**110**	**90**	**21**
	23.3	453	60	7787	1.4			
	17.5	556	80	8571	0.9			
	14	653	100	9232	0.7			
2.2	**186.7**	100	7.5	2785	1.8			
(3HP)	**140**	132	10	3065	1.5			
	93.3	194	15	3509	1.0	**75**	**100**	**9**
	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			
	140	133	10	3391	2.6			
	93.3	196	15	3882	2.0			
	70	255	20	4273	1.5	**90**	**100**	**13**
	56	312	25	4603	1.2			
	46.7	356	30	4891	1.2			
	35	456	40	5383	0.9			
	93.3	196	15	4905	3.4			
	70	258	20	5399	2.5			
	56	319	25	5816	2.1	**110**	**100**	**21**
	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	**186.7**	137	7.5	2785	1.4			
(4HP)	**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	**130**	**100**	**43.5**
	28	778	50	9584	1.3			
	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			
	17.5	1131	80	15325	1.0	**150**	**100**	**77**
	14	1327	100	16508	0.8			
4	**186.7**	182	7.5	2785	1.0			
(5.4HP)	**140**	240	10	3065	0.8	**75**	**112**	**9**
	186.7	184	7.5	3081	1.7			
	140	243	10	3391	1.4			
	93.3	356	15	3882	1.1	**90**	**112**	**13**
	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	**186.7**	253	7.5	3893	2.2			
(7.4HP)	**140**	334	10	4285	1.8			
	93.3	490	15	4905	1.3			
	70	645	20	5399	1.0	**110**	**132S**	**21**
	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	186.7	345	7.5	3893	1.6	110	132M	21
(10HP)	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	186.7	512	7.5	6962	2.3	150	160M	77
(15HP)	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	186.7	698	7.5	6962	1.7	150	160L	77
(20HP)	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	20.5	42	68.25	2833	1.2	40	PC063	3.4
(0.16HP)	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	63	PC063	7.3
	5.1	103	273	6270	1.2			
0.18	20.5	64	68.25	2833	0.8	40	PC063	3.4
(0.25HP)	17.1	70	81.9	3011	0.8			
	12.8	85	109.2	3314	0.6			
	20.5	64	68.25	3889	1.4	50	PC063	4.6
	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			
	10.3	103	136.5	6270	1.7	63	PC063	7.3
	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	20.5	78	68.25	3889	1.2	50	PC063	4.6
(0.3HP)	17.1	86	81.9	4132	1.2			
	12.8	106	109.2	4548	0.9			
	10.3	126	136.5	6270	1.4	63	PC063	7.3
	8.5	143	163.8	6270	1.1			
0.25	20.5	88	68.25	3889	1.0	50	PC071	5.1
(0.34HP)	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			
	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	20.5	134	68.25	5083	1.2	63	PC071	7.8
(0.5HP)	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	**20.5**	200	68.25	5083	0.8	**63**	**PC071**	**7.8**
(0.75HP)	**17.1**	219	81.9	5401	0.9			
	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	**20**	280	70	6000	0.9	**75**	**PC080**	**12.4**
(1HP)	**16.7**	313	84	6375	1.0			
	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	**20**	344	70	6000	0.7	**75**	**PC080**	**12.4**
(1.24HP)	**16.7**	384	84	6375	0.8			
	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	**19**	392	73.5	8298	2.5			
(1.5HP)	**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	**19**	535	73.5	8298	1.9			
(2HP)	**14.3**	693	98	9133	1.3	**110**	**PC090**	**38.4**
	11.4	817	122.5	9838	1.1			
	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	**19**	656	73.5	8298	1.5			
(2.48HP)	**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	40-63	56	8.5
	0.8	271	1800	6270	1.0			
	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	40-90	56	15.3
	0.8	300	1800	8180	2.3			
	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]
	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	40-90	63	15.3
	1.2	442	1200	8180	1.6			
	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	14	80	100	2769	0.9	30-40	63	3.5
(0.25HP)	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	40-63	63	8.5
	4.7	188	300	6270	1.4			
	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	14	114	100	3800	1.2	40-50	71	5.8
(0.34HP)	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			
	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	40-75	71	11.3
	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	40-90	71	15.3
	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	50-90	71	16.5
	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	50-110	71	38.5
	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	63-110	71	41.2
	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			
	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	63-130	71	54.2
	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	63-150	71	90.2
	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	14	169	100	3800	0.8	40-50	71	5.8
(0.5HP)	14	170	100	4967	1.5			
	9.3	241	150	5686	1.1	40-63	71	8.5
	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	40-75	71	11.3
	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	40-90	71	15.3
	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	50-90	71	16.5
	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	63-110	71	41.2
	5.6	413	250	10320	2.8			
	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	63-150	71	90.2
	2.3	837	600	18000	3.2			
	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			
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			
	1.6	1657	900	10320	0.8			
	9.3	387	150	9384	3.1	63-110	80	41.2
	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	63-130	80	54.2
	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	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	**14**	536	100	8198	2.1			
(1.5HP)	**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			
	4.7	1335	300	13500	1.3	**63-130**	**90**	**54.2**
	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	**14**	730	100	8198	1.5			
(2HP)	**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			

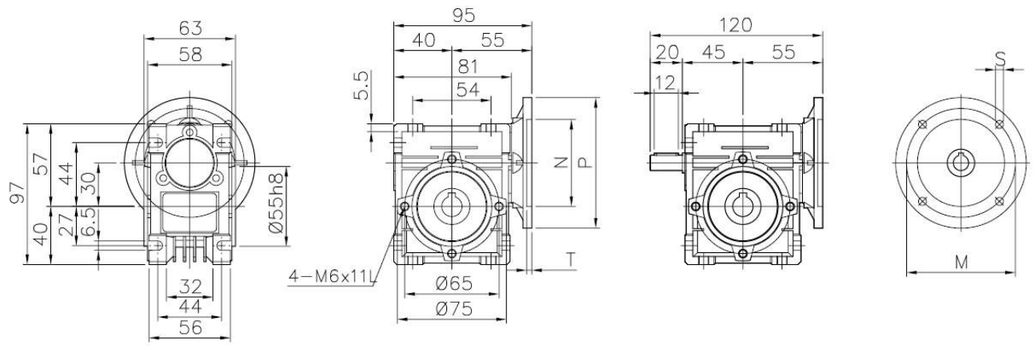
3.2.4 H+Input Shaft 選型表 Solid Input Type

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			
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	Ø9	1
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			
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	Ø11	2
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			
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	50	Ø14	3.3
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			
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	63	Ø19	5.8
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			

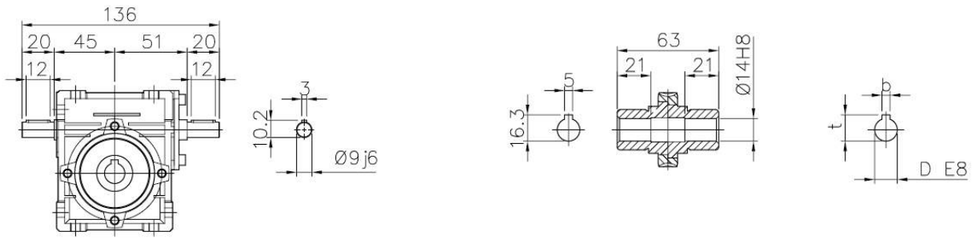
i	na [1/min]	Ma max [Nm]	Pe [kW]	FRa [N]	FRe [N]			m [kg]
25	56	200	1	4160	980			
30	47	230	1	4421	980	75	Ø24	8.8
40	35	220	1	4865	980			
50	28	210	1	5241	980			
60	23	200	1	5569	980			
80	18	190	1	6130	980			
100	14	180	0	6603	980			
90								432 Nm
7.5	187	319	6.9	3081	900			
10	140	341	5.6	3391	1082			
15	93	396	4	3882	1257			
20	70	391	3	4273	1270			
25	56	374	3	4603	1270			
30	47	432	3	4891	1270	90	Ø24	13
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			
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	110	Ø28	21
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			
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	130	Ø30	43.5
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			
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	150	Ø30	77
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

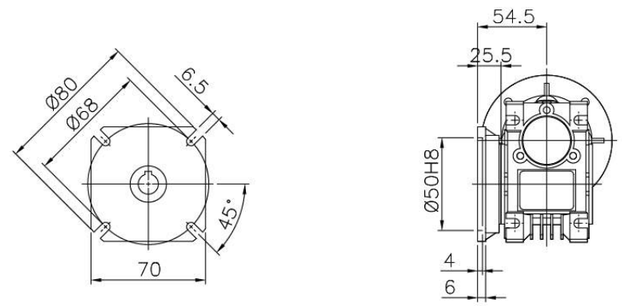


HHS30

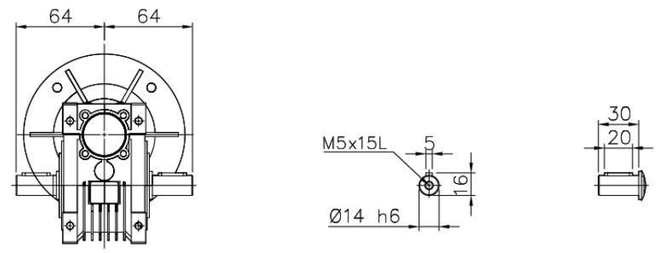


IEC	D	b	t	P	M	N	T	S
56B5	9	3	10.4	120	100	80	4	6.6
56B14	9	3	10.4	80	65	50	3.5	5.5
63B5	11	4	12.8	140	115	95	4	9
63B14	11	4	12.8	90	75	60	3	5.5

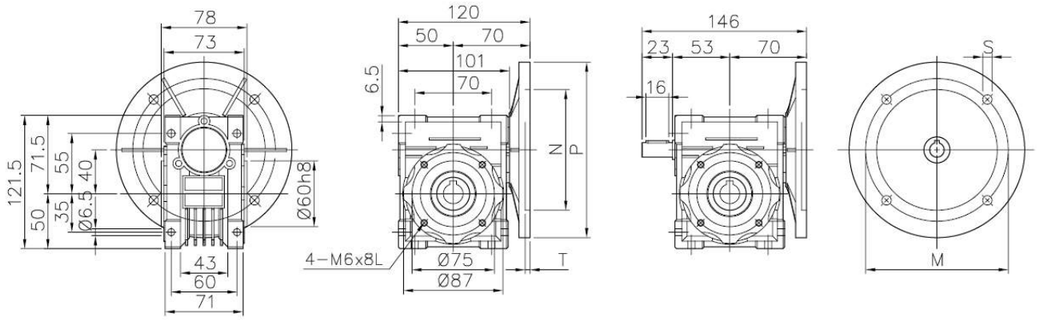
HMM30-FA



HSM30



HHM40



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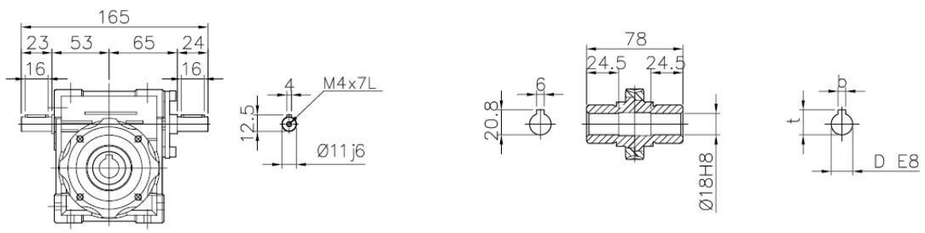
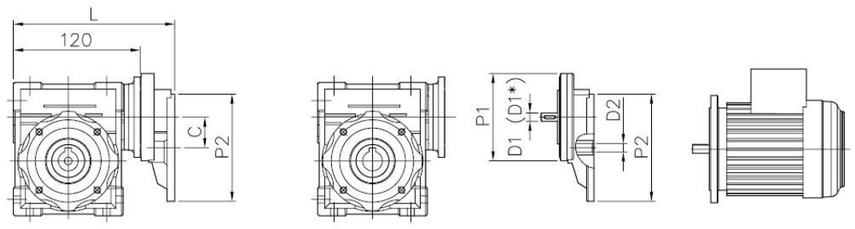


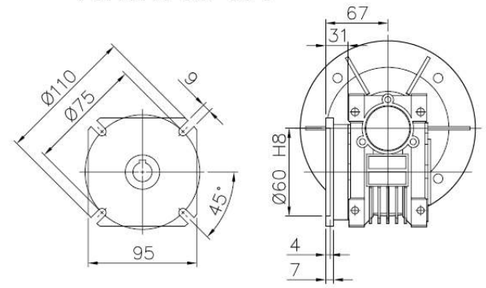
PC063



IEC	D	b	t	P	M	N	T	S
56B5	9	3	10.4	120	100	80	4	7
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

PC	P1	D1	D1*	P2	D2	C	L
063	105	11	14	140(63B5)	11	40	165

HMM40-FA



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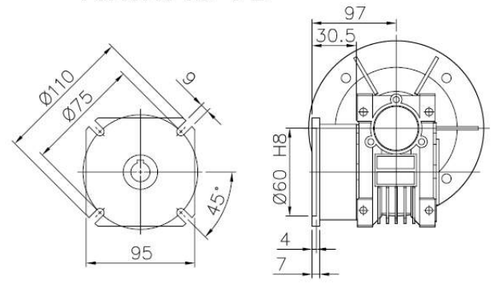

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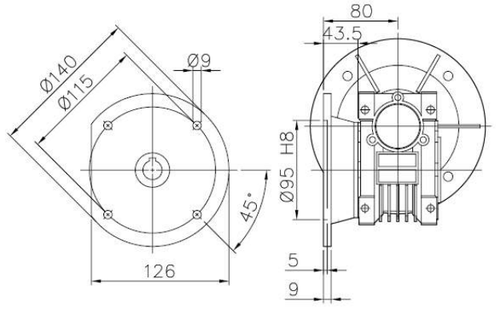

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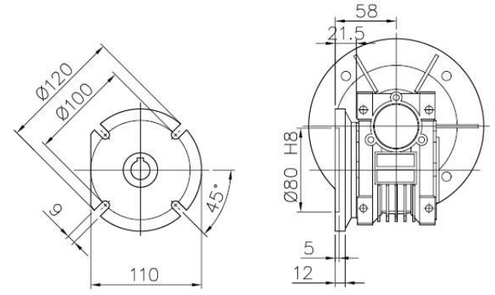

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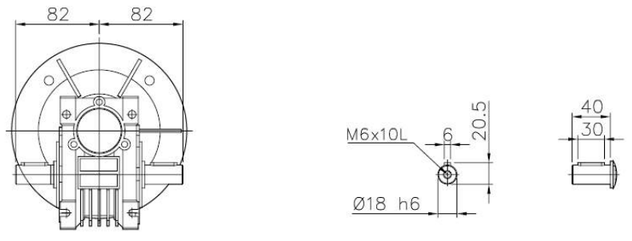
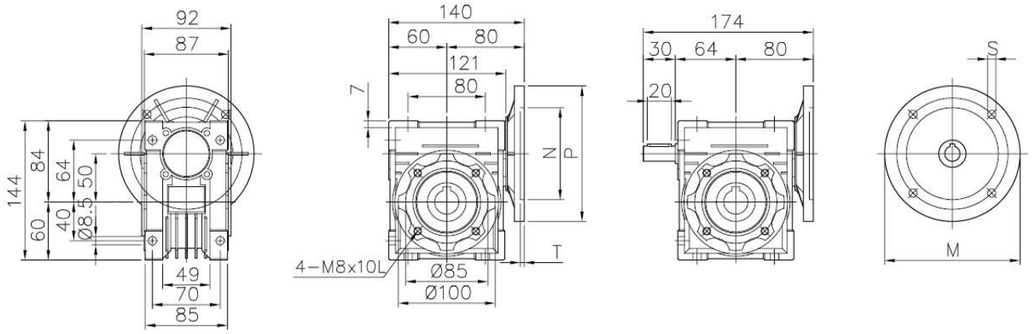
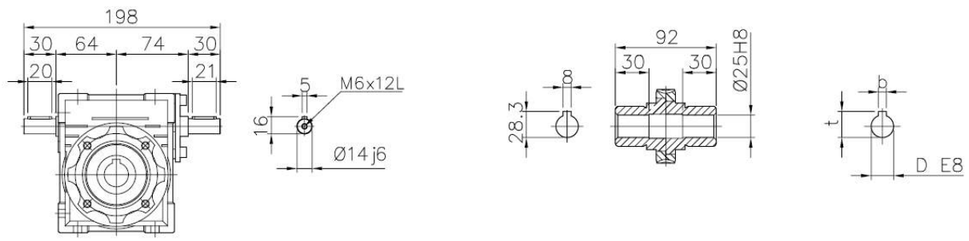


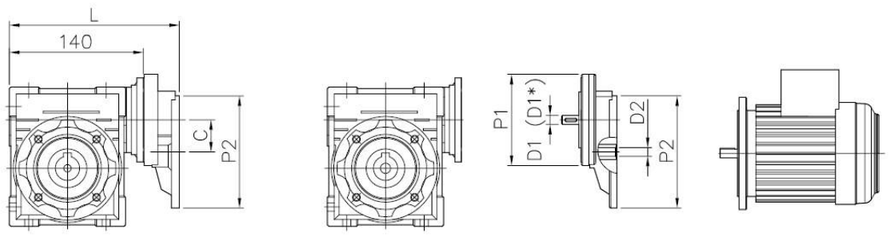
HHM50



HHS50



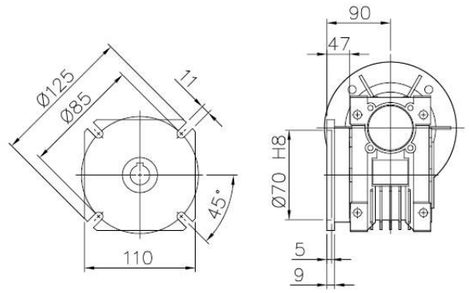
PC063/071



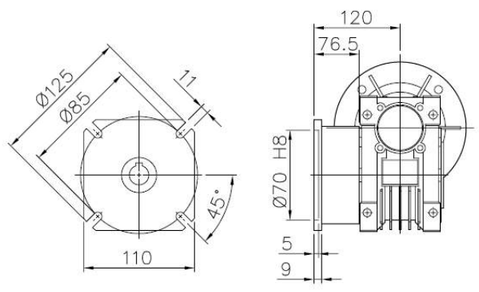
IEC	D	b	t	P	M	N	T	S
63B5	11	4	12.8	140	115	95	4	10
71B5	14	5	16.3	160	130	110	4	9
71B14	14	5	16.3	105	85	70	4	6.6
80B5	19	6	21.8	200	165	130	6	11
80B14	19	6	21.8	120	100	80	4	6.6

PC	P1	D1	D1*	P2	D2	C	L
063	105	11	14	140(63B5)	11	40	185
071	120	14	19	160(71B5)	14	48	193

HMM50-FA



HMM50-FB



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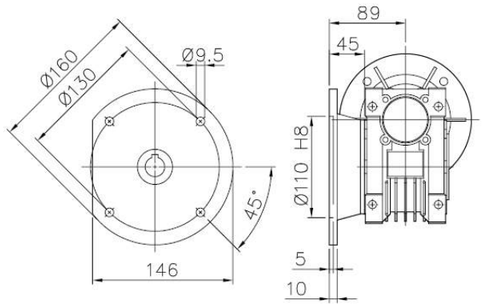

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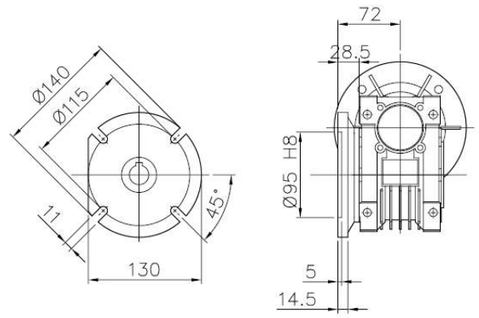

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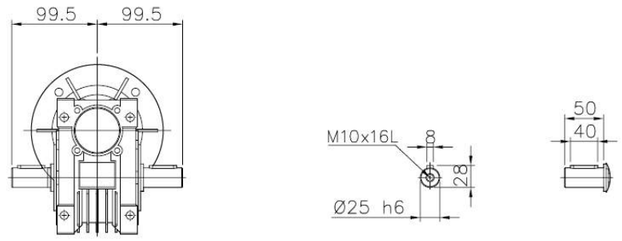
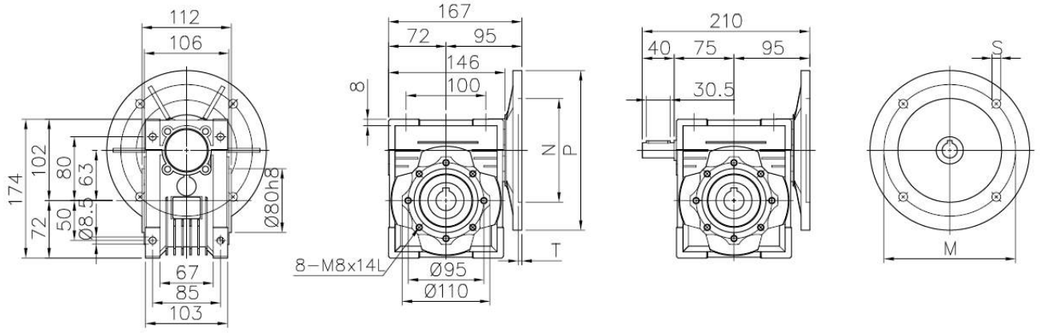
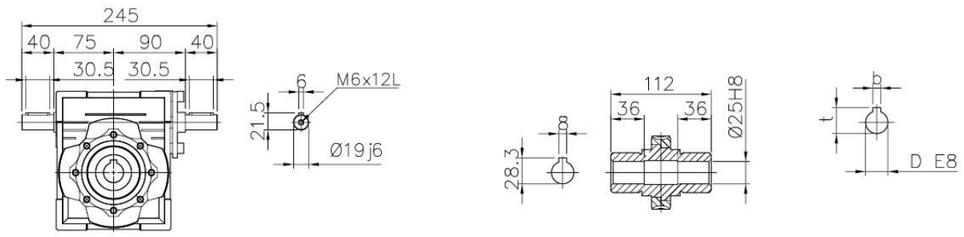


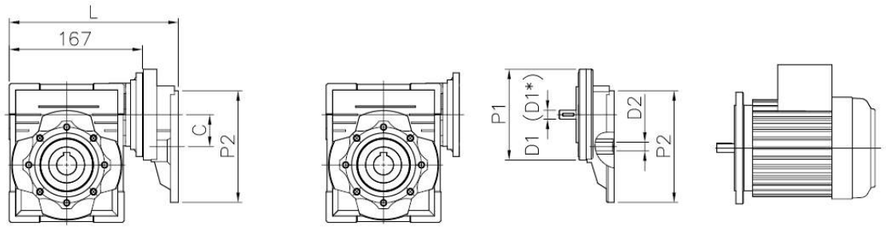
HHM63



HHS63



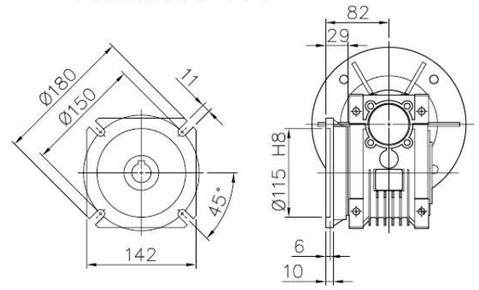
PC063/071



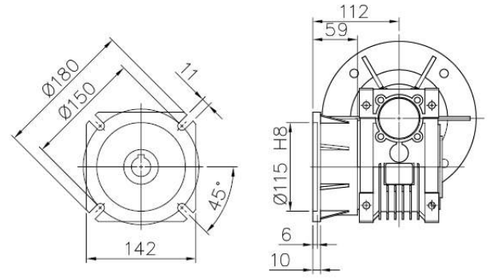
IEC	D	b	t	P	M	N	T	S
71B5	14	5	16.3	160	130	110	4	9
71B14	14	5	16.3	105	85	70	4	6.6
80B5	19	6	21.8	200	165	130	4	11
80B14	19	6	21.8	120	100	80	3.5	6.6
90B5	24	8	27.3	200	165	130	4	11
90B14	24	8	27.3	140	115	95	3.5	9

PC	P1	D1	D1*	P2	D2	C	L
063	105	11	14	140(63B5)	11	40	212
071	120	14	19	160(71B5)	14	48	220

HMM63-FA



HMM63-FB



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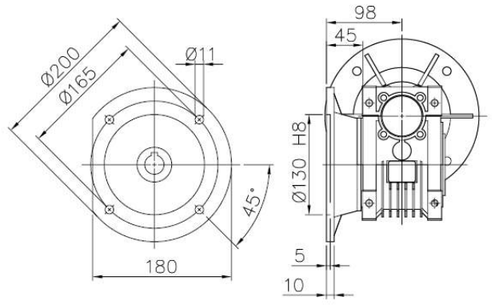

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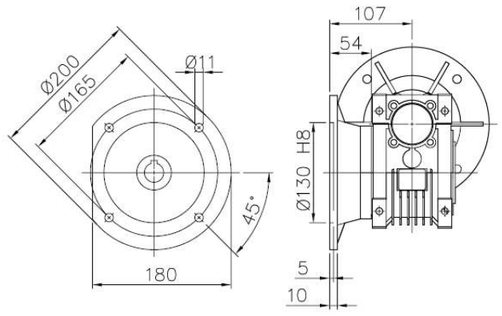

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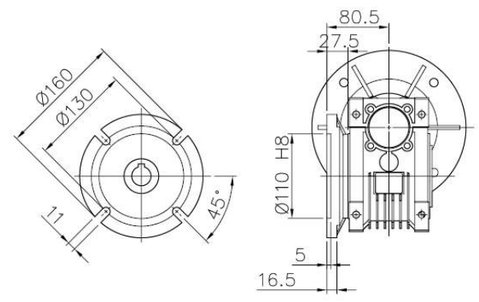
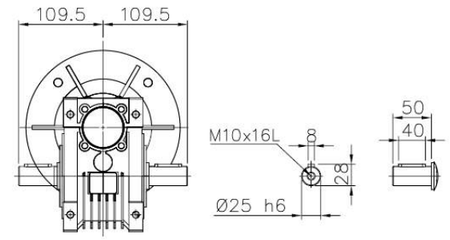
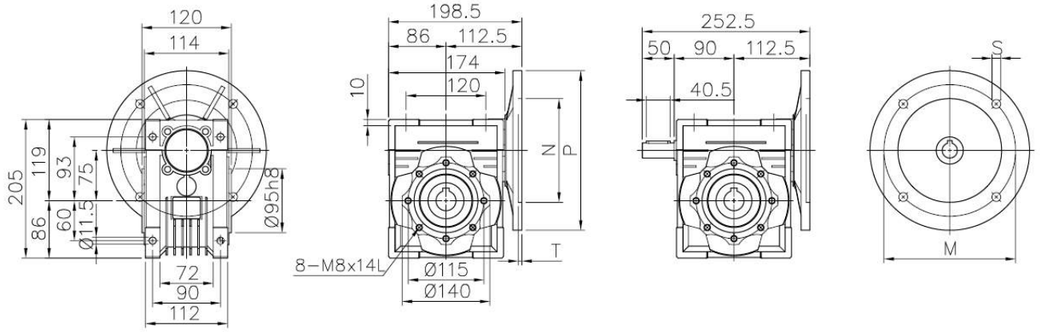


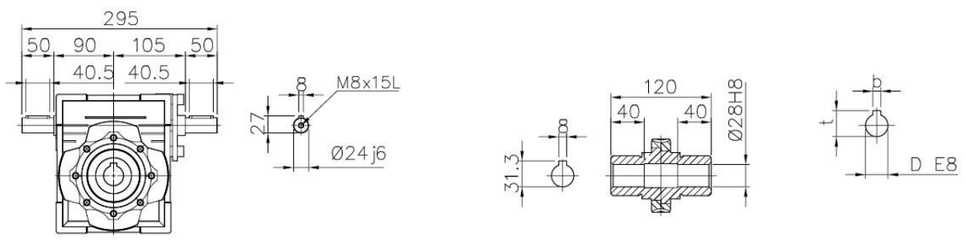
HSM63



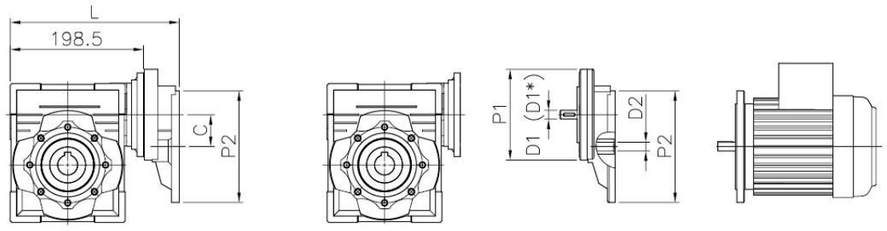
HHM75



HHS75



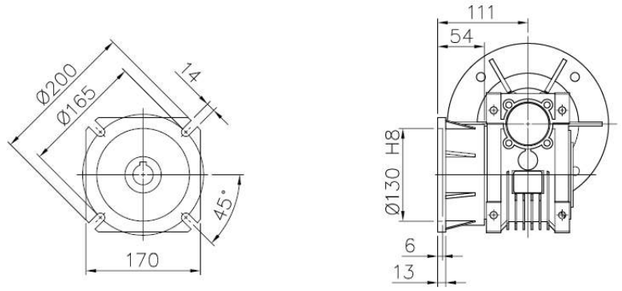
PC071/080



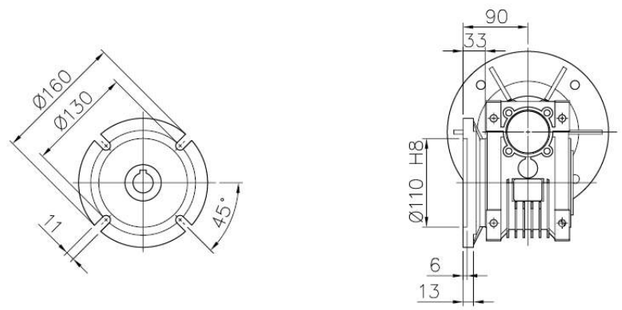
IEC	D	b	t	P	M	N	T	S
71B5	14	5	16.3	160	130	110	4	9
80B5	19	6	21.8	200	165	130	4	11
80B14	19	6	21.8	120	100	80	6	6.6
90B5	24	8	27.3	200	165	130	4	11
90B14	24	8	27.3	140	115	95	3.5	9
100/112B5	28	8	31.3	250	215	180	4	13.5
100/112B14	28	8	31.3	160	130	110	4	9

PC	P1	D1	D1*	P2	D2	C	L
071	120	14	19	160(71B5)	14	48	251.5
080	160	19	19/24	200(80B5)	19	66	273.5

HMM75-FA

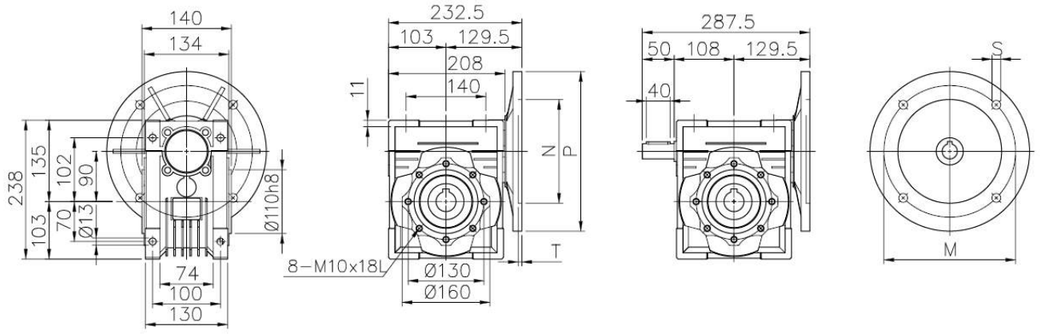


HMM75-FB

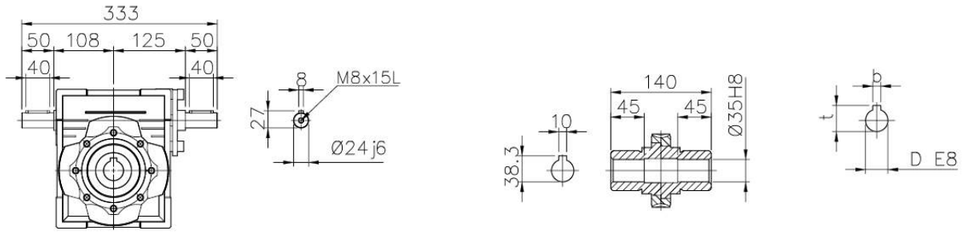


HSM75

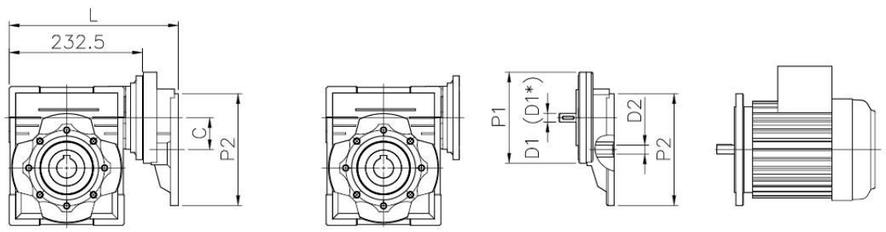
HHM90



HHS90



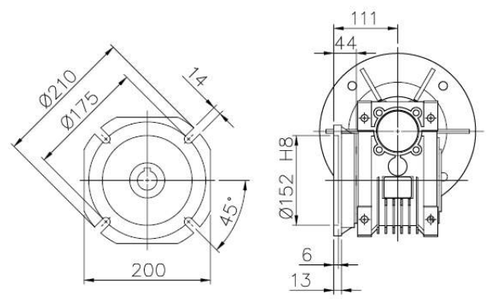
PC071/080



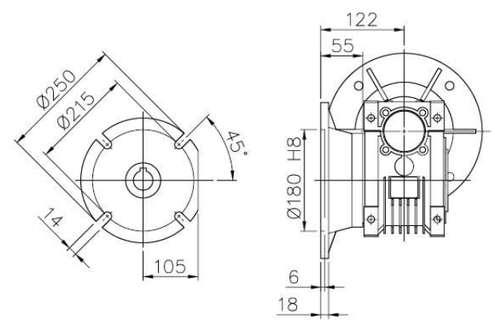
IEC	D	b	t	P	M	N	T	S
80B5	19	6	21.8	200	165	130	4	11
80B14	19	6	21.8	120	100	80	6	6.6
90B5	24	8	27.3	200	165	130	4	11
90B14	24	8	27.3	140	115	95	3.5	9
100/112B5	28	8	31.3	250	215	180	4	13.5
100/112B14	28	8	31.3	160	130	110	4	9

PC	P1	D1	D1*	P2	D2	C	L
071	120	14	19	160(71B5)	14	48	285.5
080	160	19	24/28	200(80B5)	19	66	307.5

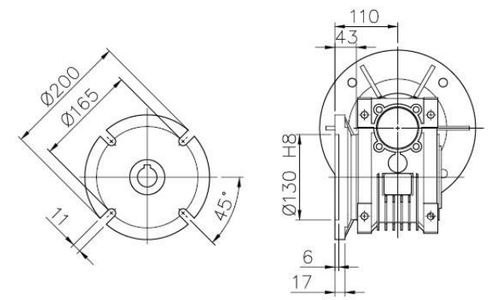
HMM90-FA



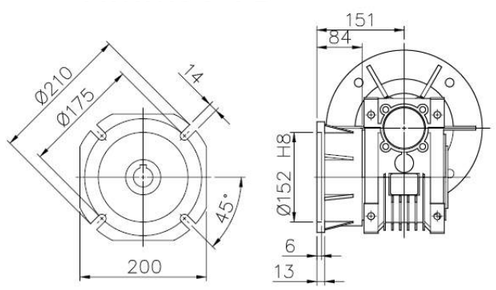
HMM90-FB



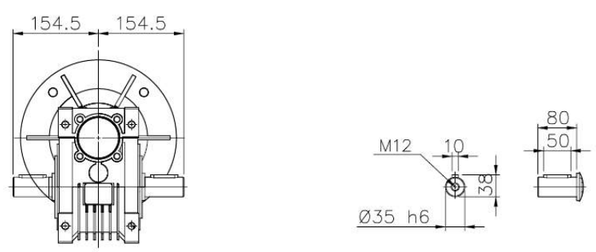
HMM90-FC



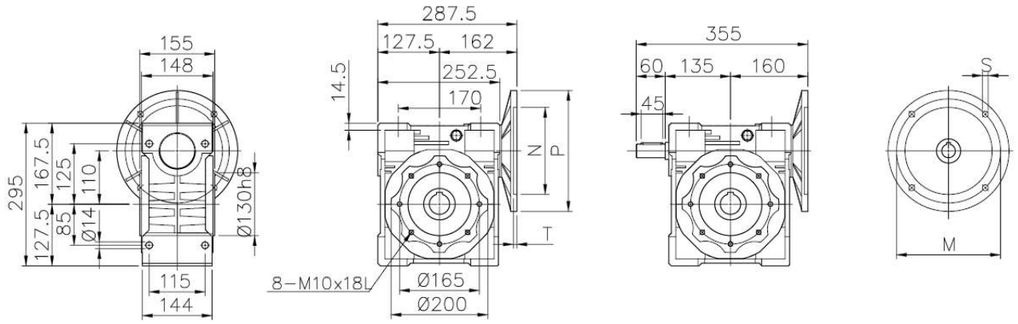
HMM90-FD



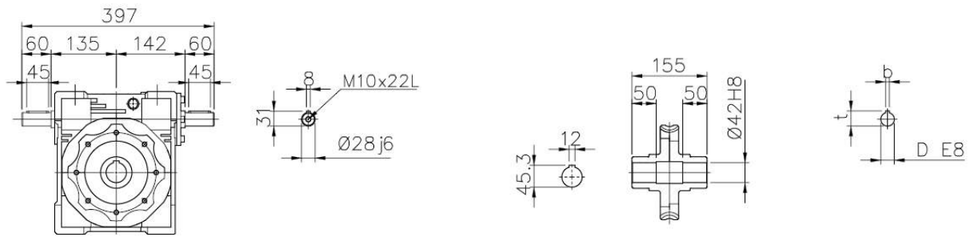
HSM90



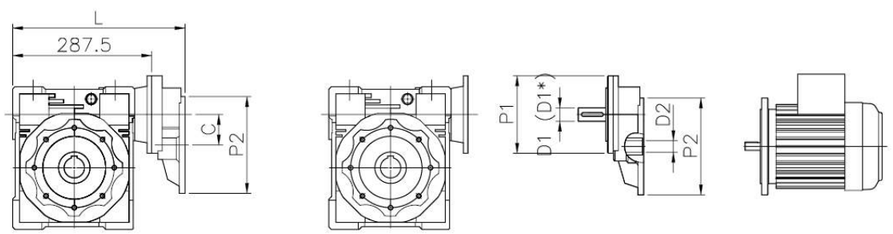
HHM110



HHS110



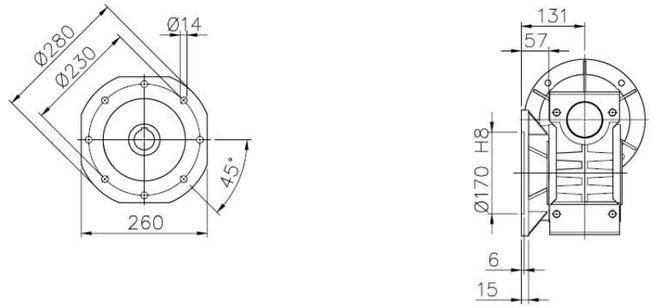
PC080/090



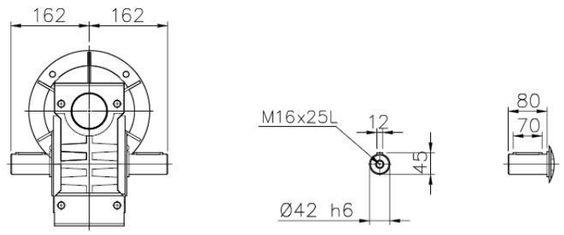
IEC	D	b	t	P	M	N	T	S
80B5	19	6	21.8	200	165	130	4.5	11
90B5	24	8	27.3	200	165	130	4.5	11
100B5	28	8	31.3	250	215	180	5.5	M12
112B5	28	8	31.3	250	215	180	5.5	M12
112B14	28	8	31.3	160	130	110	4.5	9
132B5	38	10	41.3	300	265	230	5.5	M12
132B14	38	10	41.3	200	165	130	4.5	11

PC	P1	D1	D1*	P2	D2	C	L
080	160	19	24/28	200(80B5)	19	66	362.5
090	160	24	19/28	200(90B5)	24	66	362.5

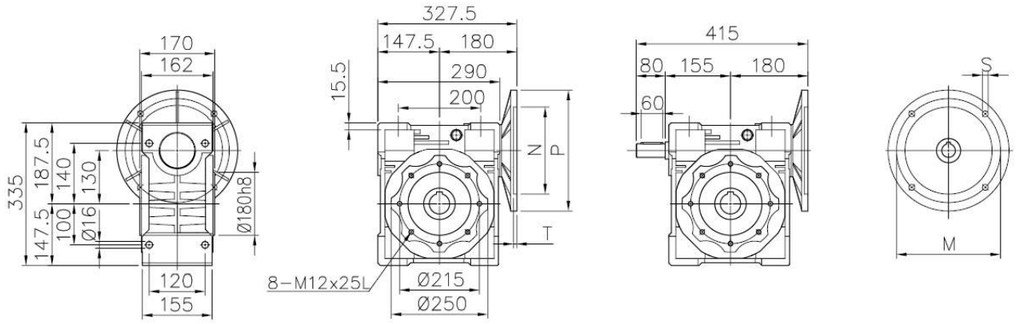
HMM110-FA



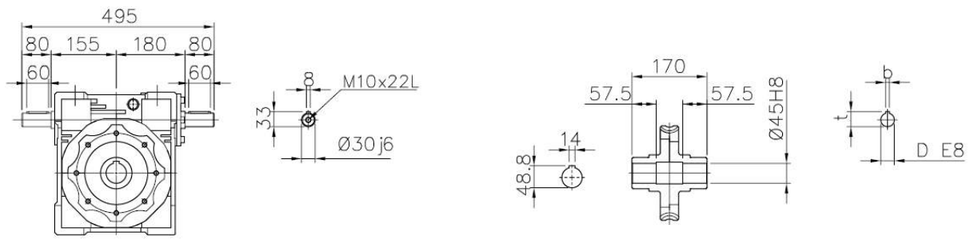
HSM110



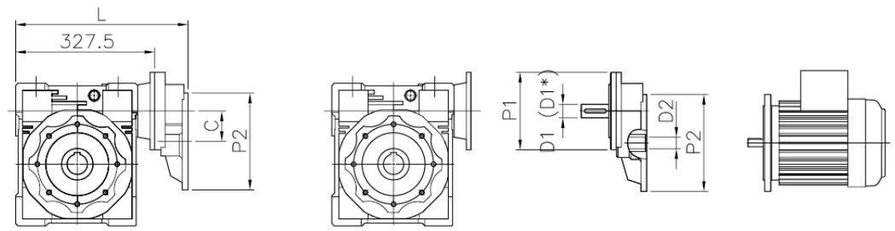
HHM130



HHS130



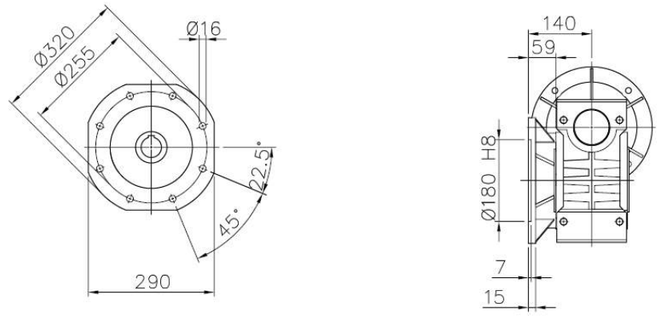
PC080/090



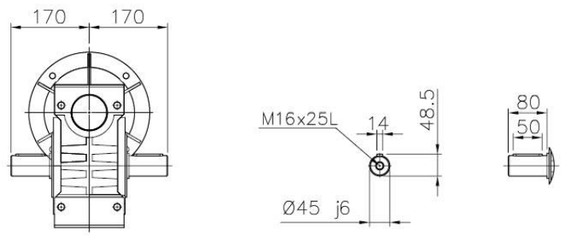
IEC	D	b	t	P	M	N	T	S
90B5	24	8	27.3	200	165	130	4	M12
90B14	24	8	27.3	140	115	95	4	9
100B5	28	8	31.3	250	215	180	4.5	M12
112B5	28	8	31.3	250	215	180	5.5	M12
112B14	28	8	31.3	160	130	110	4.5	12
132B5	38	10	41.3	300	265	230	4.5	M12
132B14	38	10	41.3	200	165	130	4.5	12

PC	P1	D1	D1*	P2	D2	C	L
080	160	19	24/28	200(80B5)	19	66	402.5
090	160	24	19/28	200(90B5)	24	66	402.5

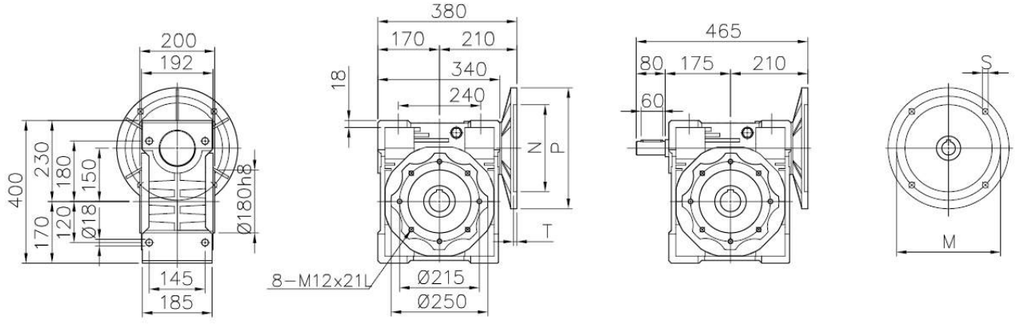
HMM130-FA



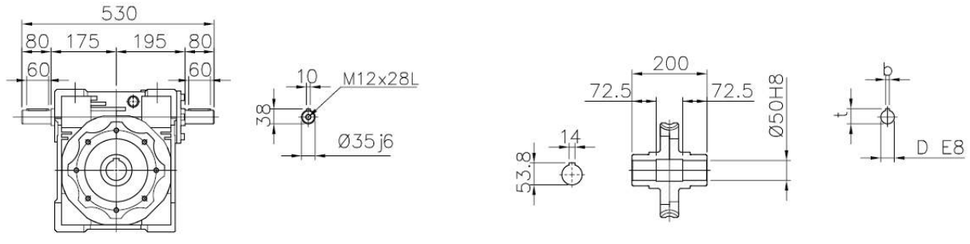
HSM130



HHM150

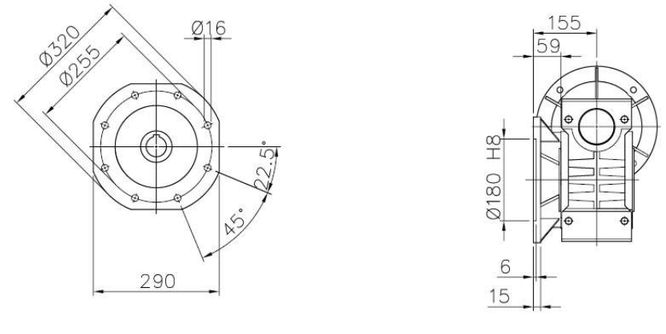


HHS150

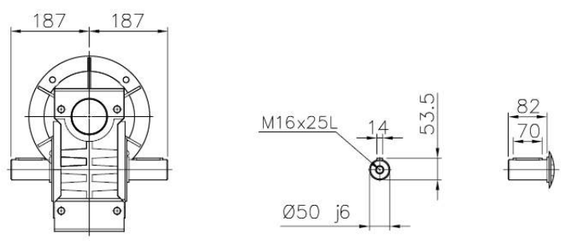


IEC	D	b	t	P	M	N	T	S
100B5	28	8	31.3	250	215	180	6	M12
112B5	28	8	31.3	250	215	180	6	M12
132B5	38	10	41.3	300	265	230	6	M12
132B14	38	10	41.3	200	165	130	5	11
160B5	42	12	45.3	350	300	250	7	19

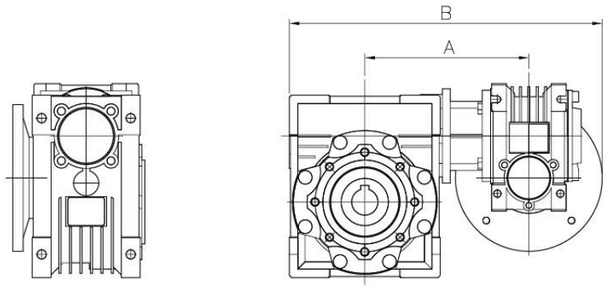
HMM150-FA



HSM150



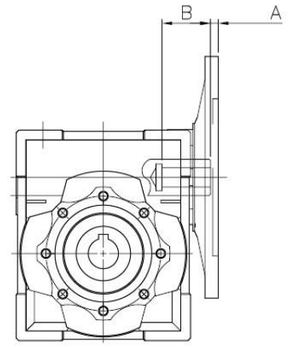
3.4 雙段尺寸圖 Dimension sheets-Double Reduction



SIZE	IEC	A	B
030/040	56B5	120	230
	56B14		210
030/050	56B5	130	250
	56B14		230
	63B5		260
	63B14		235
030/063	56B5	145	277
	56B14		257
	63B5		287
	63B14		262
040/050	56B5	137.5	257.5
	63B5		267.5
	63B14		242.5
	71B5		277.5
	71B14		250
040/063	56B5	151	283
	63B5		293
	63B14		268
	71B5		303
	71B14		275.5
040/075	56B5	170	316
	63B5		326
	63B14		301
	71B5		336
	71B14		308.5
040/090	56B5	184.5	347.5
	63B5		357.5
	63B14		332.5
	71B5		367.5
	71B14		340

SIZE	IEC	A	B
050/090	63B5	191.5	364.5
	71B5		374.5
	71B14		347
	80B5		394.5
	80B14		354.5
050/110	63B5	217	414.5
	71B5		424.5
	71B14		397
	80B5		444.5
	80B14		404.5
063/110	71B5	225	432.5
	71B14		405
	80B5		452.5
	80B14		412.5
	90B5		452.5
	90B14		422.5
063/130	71B5	246	473.5
	71B14		446
	80B5		493.5
	80B14		453.5
	90B5		493.5
	90B14		463.5
063/150	71B5	274	524
	71B14		496.5
	80B5		544
	80B14		504
	90B5		544
	90B14		514

3.5 入力孔深度 Dimension Sheets-Input Quill Depth

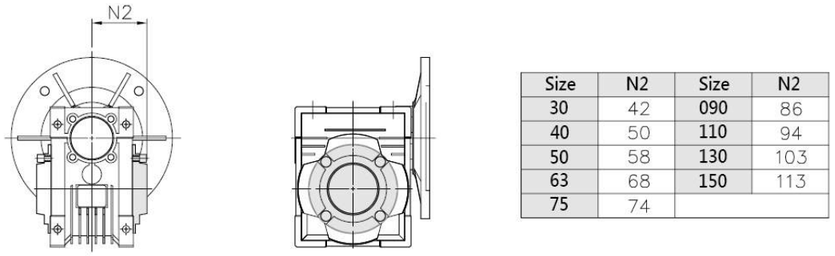


SIZE	IEC	A	B
030	63B5	5	24
	63B14	5	24
	56B5	5	21
	56B14	5	21
040	71B5	5	27
	71B14	5	27
	63B5	5	24
	63B14	5	24
	56B5	5	21
050	80B5	5	38
	80B14	5	38
	71B5	5	27
	71B14	5	27
	63B5	5	24
063	90B5	5	48
	90B14	5	48
	80B5	5	38
	80B14	5	38
	71B5	5	27
	71B14	5	27
075	100/112B5	5	58
	100/112B14	5	58
	90B5	5	48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

SIZE	IEC	A	B
110	132B5	5	78
	132B14	5	78
	100/112B5	5	58
	100/112B14	5	58
	90B5	5	48
	90B14	5	48
	80B5	5	38
130	132B5	5	78
	132B14	5	78
	100/112B5	5	58
	100/112B14	5	58
	90B5	5	48
	90B14	5	48
150	160B5	5	109
	132B5	5	78
	132B14	5	78
	100/112B5	5	58

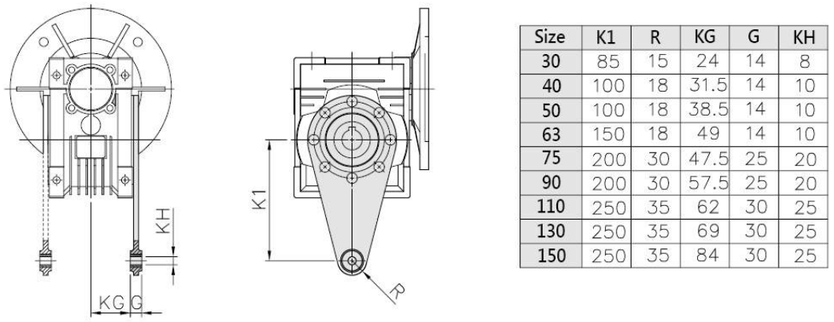
3.6 配件 Accessories

保護蓋 / Protection Cover



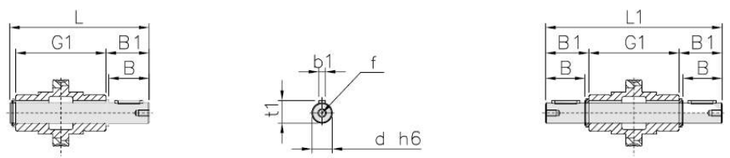
Size	N2	Size	N2
30	42	090	86
40	50	110	94
50	58	130	103
63	68	150	113
75	74		

扭力臂 / Torque Arm



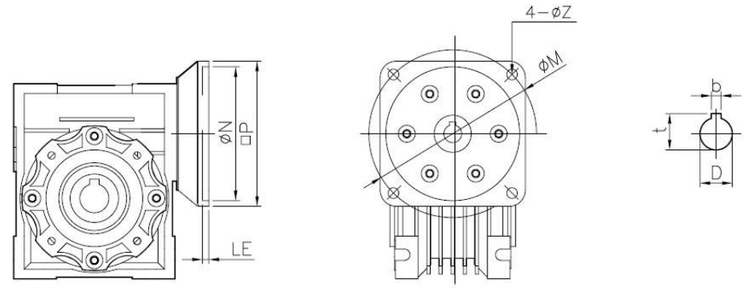
Size	K1	R	KG	G	KH
30	85	15	24	14	8
40	100	18	31.5	14	10
50	100	18	38.5	14	10
63	150	18	49	14	10
75	200	30	47.5	25	20
90	200	30	57.5	25	20
110	250	35	62	30	25
130	250	35	69	30	25
150	250	35	84	30	25

出力軸 / Output Shaft



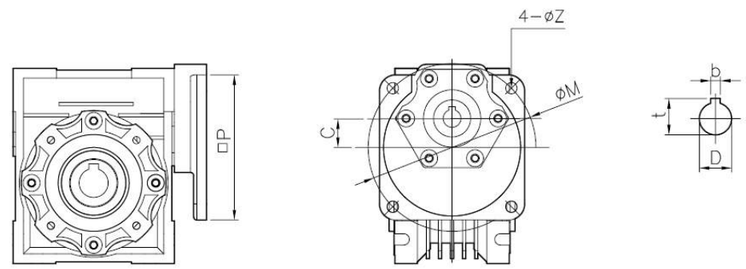
Size	d	B	B1	G1	L	L1	f	b1	t1
30	14	30	32.5	63	102	128	M5x15	5	16
40	18	40	43	78	128	164	M6x10	6	20.5
50	25	50	53.5	92	153	199	M10	8	28
63	25	50	53.5	112	173	219	M10	8	28
75	28	60	63.5	120	192	247	M10	8	31
90	35	80	84.5	140	234	309	M12	10	38
110	42	80	84.5	155	249	324	M16	12	45
130	45	80	85	170	265	340	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	7	3	9	3	10.5
	□90	□90	83	104	7	3	11	4	13
040	□90	□90	83	104	7	3	11	4	13

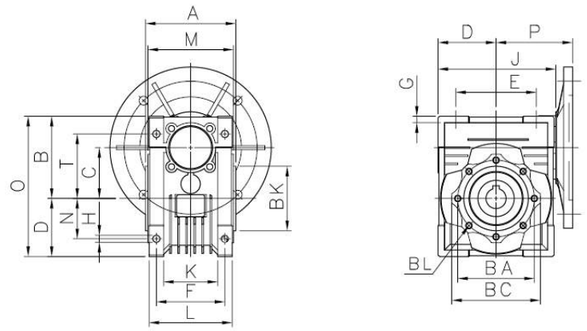
HHG 微型齒輪馬達 Small Geared Motor



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

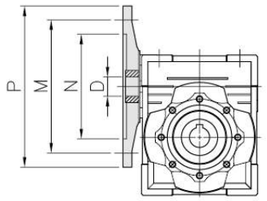
3.8 Dimension Sheets [Inch]

英制系列 / HHM/HMM(Inch)



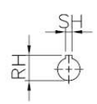
Size / Dimension	30	40	50	63	75	90	110	130	150
A	2.48	3.07	3.62	4.41	4.72	5.51	6.10	6.69	7.87
B	2.24	2.81	3.31	4.02	4.69	5.31	6.59	7.38	9.06
BA	2.56	2.95	3.35	3.74	4.53	5.12	6.50	8.46	8.46
BC	2.95	3.43	3.94	4.33	5.51	6.30	7.87	9.84	9.84
BH	90°	45°	45°	45°	45°	45°	45°	45°	45°
BK	2.165-8.0018	2.362-8.0018	2.756-8.0018	3.150-8.0021	3.740-8.0021	4.331-8.0021	5.118-8.0025	7.087-8.0025	7.087-8.0025
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

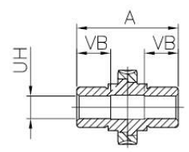
入力法蘭-入力孔-基本配置 / Input Flange-Input Bore-Perdisposition



Size	NEMA	N	M	P	D	b	t	I											
								5	7.5	10	15	20	25	30	40	50	60	80	100
								D											
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	–	–	–	●	●	●	●	●	●	–	–	–
	180TC	8.50	7.25	9.000	1.125	0.250	1.246	–	●	●	●	–	–	–	–	–	–	–	–
90	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	–	–	–	–	–	●	●	●	●	●	–	–
	180TC	8.50	7.25	9.000	1.125	0.250	1.246	–	●	●	●	●	●	●	●	–	–	–	–
110	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	–	–	–	–	●	●	●	●	●	●	–	–
	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	–	–	–	–	–	–	●	●	●	●	●	–
	210TC	8.50	7.25	9.000	1.375	0.312	1.523	–	●	●	●	●	●	●	●	–	–	–	–
150	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	–	–	–	●	●	●	●	●	–	–	–	–
	250TC	8.50	7.25	9.000	1.625	0.375	1.800	●	●	●	●	–	–	–	–	–	–	–	–

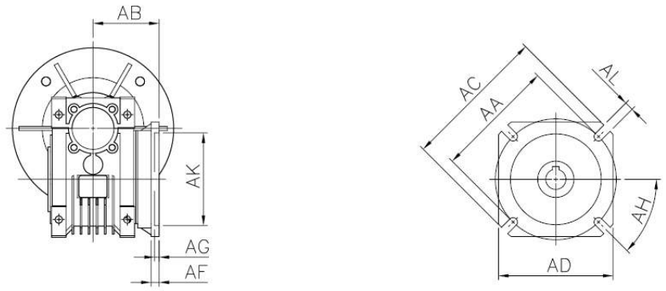
出力孔 / Output Bore





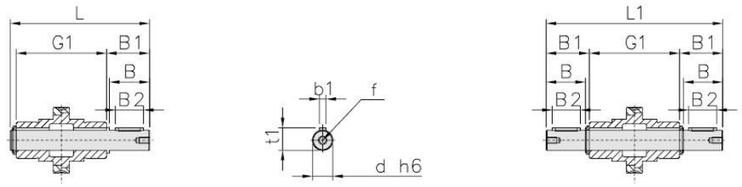
Size / Dimension	30	40	50	63	75	90	110	130	150
A	2.48	3.07	3.62	4.41	4.72	5.51	6.10	6.69	7.87
VB	0.83	1.14	1.28	1.42	1.56	1.77	1.97	2.24	2.85
UH	0.625+8.001	0.750+8.001	1.000+8.001	1.125+8.001	1.250+8.001	1.375+8.001	1.625+8.001	1.750+8.001	2.000+8.001
SH	0.1875	0.1875	0.2500	0.2500	0.2500	0.3125	0.3750	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



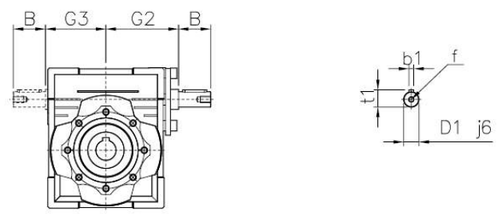
Dimension / Size	Output Flange	AA	AB	AC	AD	AF	AG	AH	AK	AL
30	FA	2.68	2.15	3.15	2.76	0.24	0.16	45°	$1.969^{+0.0015}_{0}$	0.26
40	FA	2.95	2.64	4.33	3.74	0.28	0.16	45°	$2.362^{+0.0018}_{0}$	0.35
	FB	2.95	3.82	4.33	3.74	0.28	0.16	45°	$2.362^{+0.0018}_{0}$	0.35
	FC	4.53	3.15	5.51	–	0.35	0.20	45°	$3.740^{+0.0021}_{0}$	0.37
	FD	3.94	2.28	4.72	–	0.47	0.20	45°	$3.150^{+0.0018}_{0}$	0.35
50	FA	3.35	3.54	4.92	4.33	0.35	0.20	45°	$2.765^{+0.0018}_{0}$	0.43
	FB	3.35	4.72	4.92	4.33	0.35	0.20	45°	$2.765^{+0.0018}_{0}$	0.43
	FC	5.12	3.50	6.30	–	0.39	0.20	45°	$4.331^{+0.0021}_{0}$	0.37
	FD	4.53	2.83	5.51	–	0.57	0.20	45°	$3.543^{+0.0021}_{0}$	0.43
63	FA	4.13	3.23	7.09	5.59	0.39	0.24	45°	$4.528^{+0.0021}_{0}$	0.43
	FB	5.91	4.41	7.09	5.59	0.39	0.24	45°	$4.528^{+0.0021}_{0}$	0.43
	FC	6.50	3.86	7.87	–	0.39	0.20	45°	$5.118^{+0.0025}_{0}$	0.43
	FD	6.50	4.21	7.87	–	0.39	0.20	45°	$5.118^{+0.0025}_{0}$	0.43
	FE	5.12	3.17	6.30	–	0.65	0.20	45°	$4.341^{+0.0021}_{0}$	0.43
75	FA	6.50	4.37	7.87	6.69	0.51	0.24	45°	$5.118^{+0.0025}_{0}$	0.55
	FB	5.12	3.54	6.30	–	0.51	0.24	45°	$4.341^{+0.0021}_{0}$	0.55
90	FA	6.89	4.37	8.27	8.27	0.51	0.24	45°	$5.984^{+0.0025}_{0}$	0.55
	FB	8.46	4.80	9.84	–	0.71	0.24	45°	$7.087^{+0.0025}_{0}$	0.55
	FC	6.50	4.33	7.87	–	0.67	0.24	45°	$5.118^{+0.0025}_{0}$	0.43
	FD	6.89	5.94	8.27	–	0.51	0.24	45°	$5.984^{+0.0025}_{0}$	0.55
110	FA	9.06	5.16	11.02	10.24	0.59	0.24	45°	$6.693^{+0.0025}_{0}$	0.55
130	FA	10.4	5.51	12.6	11.42	0.59	0.24	45°	$7.087^{+0.0025}_{0}$	0.63
150	FA	10.4	6.10	12.6	11.42	0.59	0.24	45°	$7.087^{+0.0025}_{0}$	0.63

出力軸 / Output Shaft



Dimension / Size	30	40	50	63	75	90	110	130	150
d	$0.625_{-0.0005}^{-0}$	$0.750_{-0.0005}^{-0}$	$1.000_{-0.0005}^{-0}$	$1.125_{-0.0005}^{-0}$	$1.250_{-0.0005}^{-0}$	$1.375_{-0.0005}^{-0}$	$1.625_{-0.0005}^{-0}$	$1.750_{-0.0005}^{-0}$	$2.000_{-0.0005}^{-0}$
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



Dimension / Size	30	40	50	63	75	90	110	130	150
D1	$0.375_{-0.0005}^{-0}$	$0.500_{-0.0005}^{-0}$	$0.625_{-0.0005}^{-0}$	$0.750_{-0.0005}^{-0}$	$0.875_{-0.0005}^{-0}$	$0.875_{-0.0005}^{-0}$	$1.125_{-0.0005}^{-0}$	$1.125_{-0.0005}^{-0}$	$1.375_{-0.0005}^{-0}$
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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