



HELICAL GEAR REDUCERS

成大齒輪減速機



成大精機工業股份有限公司
CHENTA GEAR SPEED REDUCER
CHENTA PRECISION MACHINERY IND. INC.
JEN WU MACHINERY CO., LTD.

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外型安裝尺寸與德國領導品牌相容

INSTALLATION DIMENSION ARE CONSISTENT WITH GERMAN MODEL



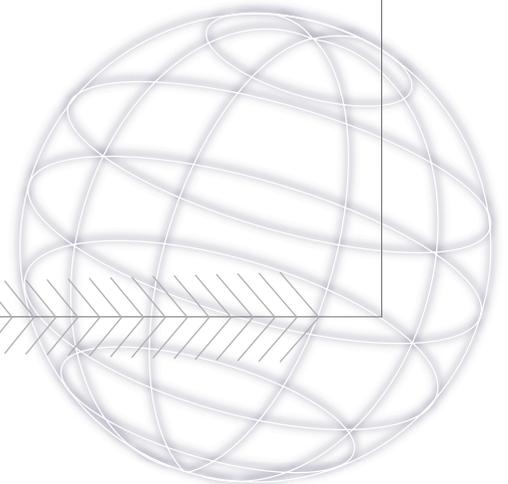


公司介紹 COMPANY PROFILE

1. 1960年本公司董事長陳茂正先生創設"成大機器廠"於高雄市自強二路，工廠取名"成大"乃本於其對母校成功大學機械系在機械專業知識教育養成之感恩及飲水思源之情。
2. 成大機器廠成立後，專門從事汽車船舶引擎曲軸之研磨再生，汽缸搪缸及柴油引擎校正等機械加工工程，當時為南台灣之翹楚，由於技術精良服務親切，開業後旋即聞名遐邇，生意蓬勃。
3. 1971年本於公司發展應有自主性產品，才能永續經營遂與日本減速機製造廠技術合作，開始生產製造自有品牌之成大齒輪減速機，發展至今，公司員工近90名，產品以自有之CHENTA品牌行銷全球。主要市場為台灣、亞洲、美洲及中東，至今已執台灣業界之牛耳。並在海外設立美國分公司及中國上海分公司。
4. 建廠以來，本公司即本著"結合一流人才，研發製造高品質的產品"為信念。產品政策以"品質保證""交貨準確""價格競爭""生產合理"及"行銷國際"為追求目標。
5. 累積40多年之機械製造經驗及誠信經營精神，本公司已自然形成一種優良的公司文化，此精神文化乃是公司最寶貴之資源，表諸文字即是"新""實""勤""效"，乃創新、信實、勤快、效益，之意也。
6. 全體員工受此公司文化之薰陶，工作勤奮盡忠職守。在良好工作環境下，協力合作積極創新。使公司持續穩定發展，營造共同效益。
7. 本公司將在現有資源文化基礎上，繼續秉持敬業精神，以客戶至上的服務態度，精益求精，生產高品質具競爭價位之齒輪減速機回饋國內外客戶，與客戶攜手成長，以臻永續經營之目標。

公司概要

公司名稱：成大精機工業股份有限公司
CHENTA PRECISION MACHINERY IND. INC.
成立：民國60年（1971年）
職工人數：90名
廠房面積：仁武廠7000m²
上海廠6800m²





COMPANY PROFILE



ISO 9001 品質保證系統認證

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 REDUCERS". 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 America. In Taiwan, she remains at the top of the field and also established branch offices in America and in Shanghai (in China).
4. Since the beginning of the company, our conviction is to "Gather excellent human resource, and research and manufacture high quality products". Our product policy is targeting at "Guaranteed Quality", "On Time Delivery", "Competitive Prices", "Rational Production", and "International 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 : CHENTA PRECISION MACHINERY IND. INC.
 Established : 1971
 Employee : 90 persons
 Plant Sizes : Jen Wu Plant 7000m²
 Shanghai Plant 6800m²



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Process & Measure 加工及量測

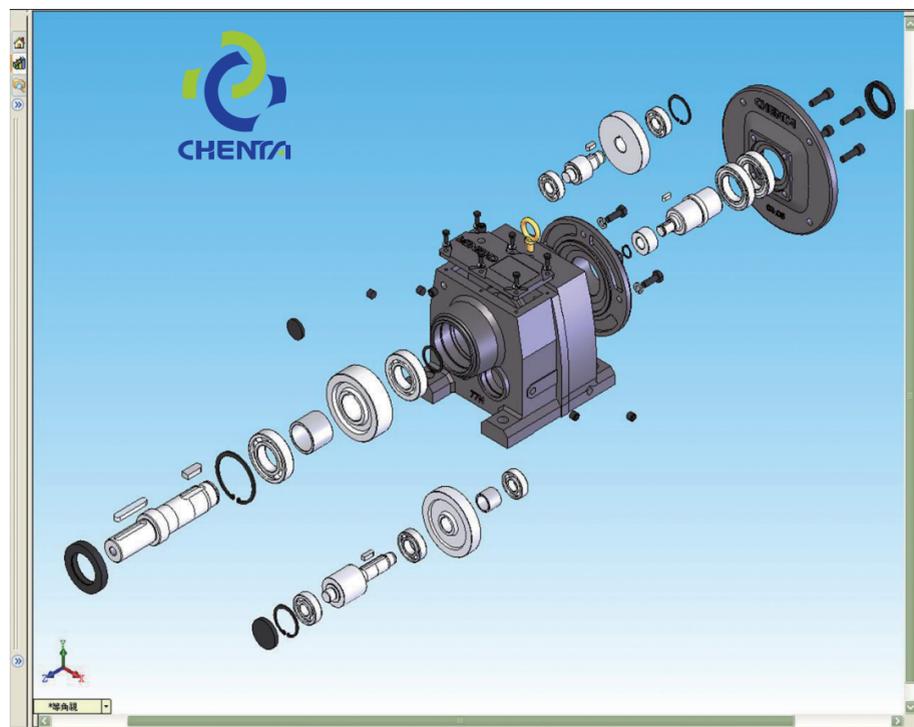


電腦輔助設計

Computer-Aided Design

本公司除了原有的標準2D繪圖軟體進行設計工作，也導入了3D機械設計軟體。完整的3D能表現接近實際的外型，使客戶能了解產品的整體架構，進行更深入的討論修改時，能與客戶在溝通上更無障礙。在交期上，更能大大縮短設計、工程圖、設計修改的時間，以最短時間供應，協助客戶提升市場競爭力。另外，許多客戶也已經採用3D軟體進行機械設備的設計，使得市面上對3D的需求性日益提高。未來，3D運用會更加廣泛。

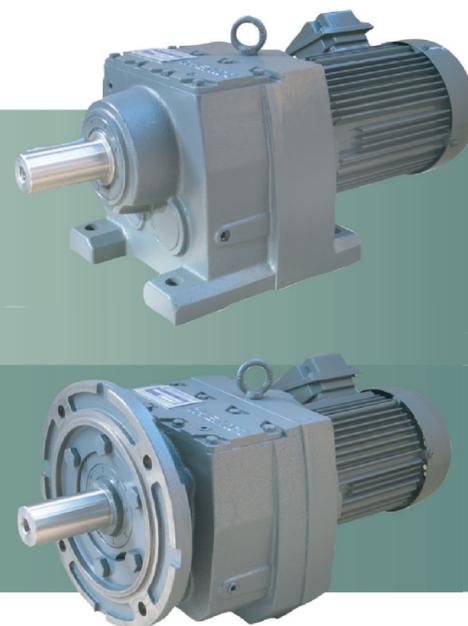
Besides standard 2D CAD drawing software, we also lead in 3D Mechanical design software to design our products. Complete 3D drawing simulates to the real-world condition to make customers get the whole structure of the product. For further discussion and amendment, it makes communicate more easily. As for delivery, it shortens the time for design, CAD drawing and amending. It helps get products to market fast; in the mean while, promote the competition on market. Furthermore, many customers also use 3D software for mechanical design and it makes the need for 3D become more and more. In the future, the use for 3D is becoming general.



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新型臥、立式齒輪減速機 產品特點說明

Features



- 1) 根據德國國家標準(DIN)，專業設計之齒輪，高效率、高強度、低噪音。
- 2) 規格齊全可符合多樣化安裝方式，有立式、臥式、雙軸式、馬達直結式等。
- 3) 本體材質採灰口鑄鐵增加韌性耐衝擊。
- 4) 為了提昇齒輪減速機的強度及使用壽命，減速比30:1以上均設計為三段式齒輪組；減速比5:1~25:1則有二段及三段可供選擇(請參考P32~P44)
- 5) 入力第一段齒軸 (Input Pinion)，有2只軸承支撐，運轉時穩定性高，有別於一般只採用單側一只軸承支撐之設計。
- 6) 入力法蘭採插入式聯結設計，可自行安裝IEC或NEMA規格之馬達。
- 7) 速比變化增加 1/5 ~ 1/120。
- 8) 可負載馬力範圍加大 1/4HP ~ 75HP。
- 9) 零件精加工更加靜音，傳動效率提高。
- 10) 外部安裝尺寸及軸心尺寸和德國製之SEW及Flender等廠牌之同型機種可以互相符合。
- 11) 結構外型美觀，堅固。

Features/

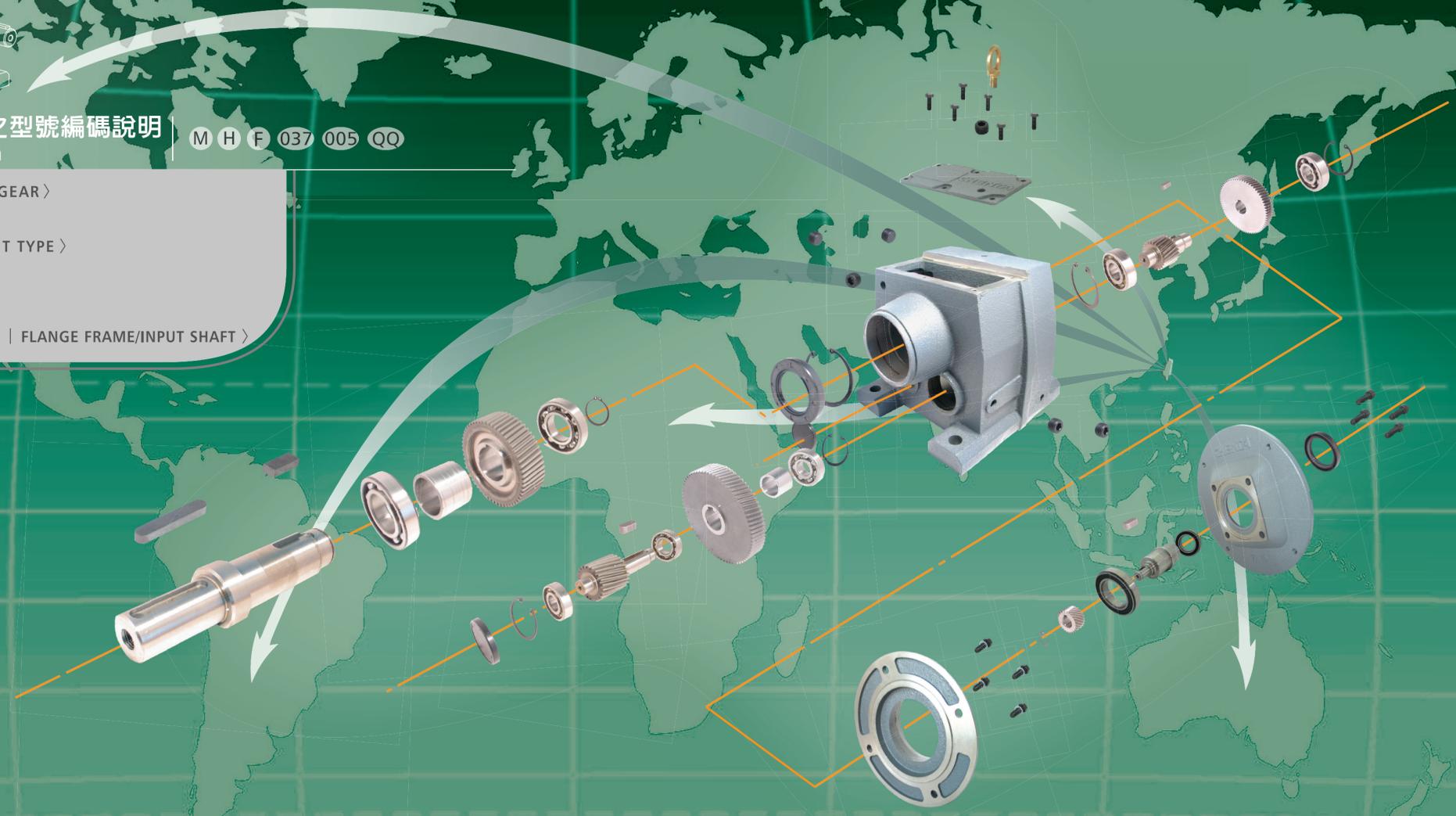
- 1) According to German Institute for Standardization (DIN) design - high efficiency, high strength, and low noise.
- 2) Complete specifications come out diverse installations.
- 3) Cast iron made housing strengthen the crash-against.
- 4) In order to improve the intensity and service life of gear reducer, the speed ratio of 30:1~120:1 are designed as three stages gear sets, and the speed ratio 5:1~25:1 have two stages and three stages at your choice (see P.32~P.44)
- 5) Differing from only 1 bearing support, our 2 bearings support Input Pinion come out steady rotation.
- 6) Motor's shaft Insert design on Input Flange make easily to install IEC or Nema Motor.
- 7) Wide range ratio from 1/5 to 1/120
- 8) Horsepower range from 1/4HP to 75HP
- 9) Gear parts with precise procession make gear's rotation even quieter and more efficient.
- 10) Installation and shaft dimensions are compatible with German brand such as SEW and Flender.
- 11) Beautify the appearance and lighten the weight.

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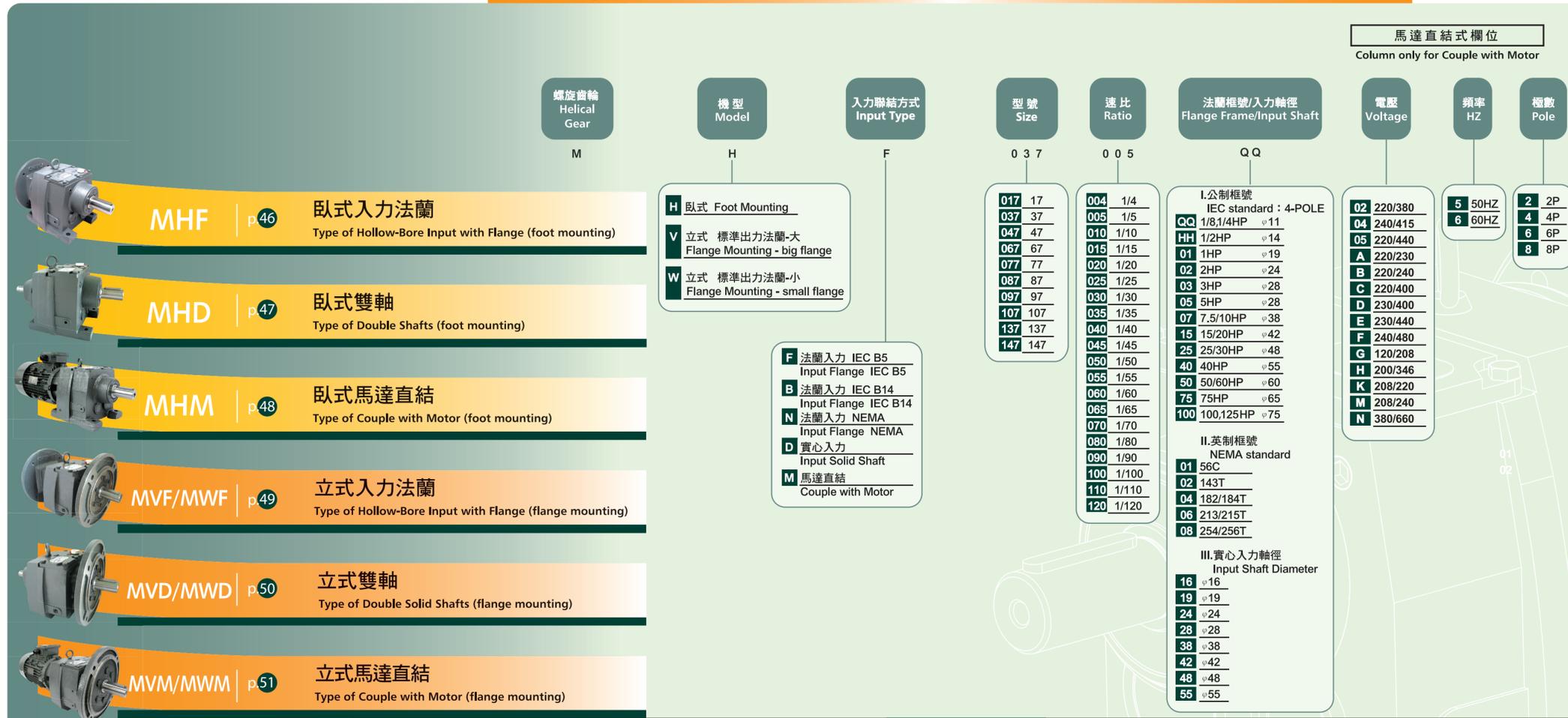


新型齒輪減速機之型號編碼說明 | M H F 037 005 QQ
Numbering System

- M 螺旋齒輪 | HELICAL GEAR >
- H 機型 | MODEL >
- F 入力聯結方式 | INPUT TYPE >
- 037 型號 | SIZE >
- 005 速比 | RATIO >
- QQ 法蘭框號/入力軸徑 | FLANGE FRAME/INPUT SHAFT >



新型齒輪減速機之型號編碼說明
Numbering System



※選用馬達直結式請告知：馬達之電壓、頻率、極數、相數、防爆等級、是否加裝煞車
* Please specify Voltage, Hz, Pole, Phase, IP grade, Brake require or not if type of Couple with Motor needed.

*實際速比請參照32-44頁
備註：本系列螺旋齒輪減速機其關鍵外型安裝尺寸，經設計和德國領導品牌相容
*FOR ACTUAL RATIO PLEASE REFER TO P 32-44
REMARK: THE MOUNTING DIMENSION IS COMPATIBLE WITH GERMANY MODEL.



齒輪減速機

使用說明書 | 感謝您選用本公司的產品。在使用之前，請詳細參閱以下說明，以確保正確使用。

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。
3. 減速機入力軸及馬達出力軸之中心線必須對準確，誤差不得大於所用聯軸器之允許值。
4. 減速機安裝後，用手轉動需靈活，不可有卡死現象。
5. 減速機安裝好，使用前應先進行空負荷運轉，確定機器各部分都無異狀後，方可正式使用，如有故障應先排除。

二、潤滑

1. 新減速機使用時，於運轉500小時後，需更換新油，其後每使用2500小時需換油；但在使用過程中仍應定期檢查油的質、量，若油有雜質、老化、變質情況，必須隨時更換。
2. 減速機應使用固定品牌、規格之齒輪油，不應將不同品牌，規格或不同類型的油相混合使用。
3. 在換油過程中，應先將減速機內部清除乾淨，再注入新油。
4. 在使用期間，當發現油溫過高（超過80°C以上）時，以及有不正常的噪音等現象，應立即停止使用、檢查原因，等排除故障或更換潤滑油後，才可繼續使用。
5. 推薦用油：中國石油HD-320之極壓機油，或中國石油#90多效齒輪油。

三、維護

1. 減速機應定期檢修，發現異狀或有顯著磨損，必須立即採取有效措施制止，備用零件之材質、精度亦須照標準製造。更新零件後，應先進行空負荷運轉，確定正常後再正式使用。
2. 使用單位應建立合理的維護制度，對減速機的使用狀況及檢修中發現的問題，做仔細紀錄。

CHENTA HELICAL GEAR REDUCERS

I. INSTALLATION

1. Input shaft connects to motor directly, a flexible coupling prefer to apply according; output shaft connects to machine, it is better to use a gear coupling.
2. Install on a stable foundation and good air ventilation and the convenience of oil filling / draining should be considered.
3. The input shaft of the reducer and the motor shaft should be in alignment and the tolerance should fit the allowance.
4. After installation, please check input shaft by hand first to check whether running smoothly of nut.
5. Before start-up, no-load running test should be proceeded and any abnormal status occurred should be corrected immediately.

II. LUBRICATION

1. A new reducer needs replace oil in the beginning of 500 hrs operation; and then, each 2,500 hrs change again. Moreover, a regular oil checking is required and change necessarily.
2. Please change by equivalent specification of oil and don't mix with other brand of specification of oil.
3. Before changing oil, the inside of reducer should be flushed and drain out, then fill in new oil.
4. During operation, if the heat is over 80°C or any abnormal noise occurred, please shut down the reducer for checking immediately and start running only after the cause is resolved.
5. Lubricant recommendation: MOBIL gear 632, SHELL omala 320 or MOBIL mobilube HD80W-90, SHELL spirax E.P. 90.

III. MAINTENANCE

1. A regular maintenance is required and if found any worn out, corrective action should be taken. The accuracy of spare parts replaced should be exactly the same as the original standard and no-load running test in advance is required.
2. Build maintenance system and data collection of failure carefully for all problems been met.

操作需知 |

- 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家求償，同時也請您通知成大公司貨品受損情形。

一、潤滑

- 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。

二、長期儲存

- 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，請您再連絡成大公司，我們技術人員會告訴您應該使用前注意事項。

三、安裝附件於減速機軸心上

- 注意！不可重擊軸心！重擊軸心可能造成軸承傷害導致軸承壽命縮短，我們建議用加熱方式安裝，附件只要加熱到80°C就可滑入軸心，如此可以減少軸承損傷的可能性。軸心尺寸公差請參照產品型錄。
- 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。
- 為避免出力軸上之軸承受極度的負載，請參照型錄上的可承受懸吊荷重表，請不可超出限制，如果必須超出建議荷重或是合併有額外軸向及徑向負載，請聯絡我們的工程師，因此時正確的使用應該同時考慮速度、旋轉方向、安裝位置、較大外來的軸向和徑向荷重等合併之因素。

四、安裝與操作

- 減速機安裝應考慮以下幾項因素：
 - * 環境溫度應低於40°C。
 - * 通暢的通風環境。
 - * 適當位置的油位旋塞、透氣注油旋塞與洩油旋塞。
 - * 保留適當的空間以便做設備上的檢修或更換。
- 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。
- 基座平坦度公差請勿超出以下建議：
 - * 77型或更小---0.1mm
 - * 87型或更大---0.2mm
- 運輸過程中為防止減速機內潤滑油從透氣旋塞滲漏出來，出廠前我們會將透氣孔以紅色插梢堵住，請記得當您安裝好減速機運轉之前，一定要把透氣旋塞上的紅色插梢拔掉。
- 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。

五、保養

- 警告！在電源移除之前不可拆卸或更換設備。
- 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。
 - 檢查聯軸器的同心度，鏈條或皮帶的鬆緊度，機座固定螺絲之緊度等是否均適當，並請保持設備的清潔。

CHENTA HELICAL GEAR REDUCERS

OPERATION MANUAL

- This operation manual is trying to help you install and use speed reducer correctly. To prevent problem occurred, proper installation and operation is very crucial. Certainly, this operation manual will also suggest you how to maintain in order to extend the life of speed reducer.
- Every CHENTA speed reducer is passed strict inspection and testing and well packaged before shipping. However when you receive speed reducer, please check immediately if there is any shortage or damage of the parts via transportation. This will be much helpful as evidence when you offer claim to the transportation carrier, meanwhile please also notice us for improving our transportation service with a qualified and responsible carrier. Also, we are eager to help to fix the problem for you and to reduce your inconvenience to the minimum.

I. Lubrication

- Unless it's a special request from customer, every CHENTA speed reducer will be supplied with proper quantity lubricant according to different installation position before shipping. If customer prefers to fill in the lubricant oil by himself, please follow the instruction of operation manual in latter pages in this catalog.

II. Storage

- If you won't install the speed reducer soon, please keep it out from humid place. And, please contact our service people if you want to install speed reducer for operation after storage. Our service people will inform you what should be noticed and checked in advance before operation.

III. Attachments the parts on reducer's shaft

- Notice: Don't hit on shafts heavily. It will cause bearings damaged and shorten the life of bearings. We prefer to suggest use heating method, to heat the parts up to 80°C, it could easily slip in on the shafts and reduce the possibility of bearings damaged. As to the tolerance of shaft's diameter, please refer to the specification in catalog.
- While install 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.
- To avoid over load on the bearings of output shaft, please refer to the OHL (over hung loading) in catalog and don't exceed. If exceed or extra axial or radial loading, please contact our service engineer for consultation.
- 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 careful to watch.

IV. Installation & Operation

- The under lying factors should be taken into consideration:
 - * Ambient temperature below 40°C
 - * Location with good air ventilation
 - * Proper locations for oil plug, breather plug and drain plug
 - * Sufficient space for periodical inspection or maintenance of replacement
- To install necessarily on a flat, stable and solid base for accurate alignment to prevent from the breakage of reducer's housing.
- The suggested tolerance of flatness on base:
 - For size 77 or smaller, < 0.1 mm/m
 - For size 87 or bigger, < 0.2 mm/m
- To avoid the lubricant splash out during the transportation, breather plug with red pin inserted into air breathing hole. Please remove the red pin before start-up.
- Before installation, double check the input horsepower and ratio is the same as the punched name plate of reducer.

V. Maintenance

Be aware! The power should be off before removal or replacement of reducer.

- Oil level and quality lubricant is key point of daily maintenance. Please refer to our suggestion to change the lubricant periodically according to the operation frequency site situation.
- Check the alignment of coupling, the tightness of chain, and nuts and keep clean of reducer.

齒輪減速機可能發生之異常狀況及改善方法

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

異常情況	原因	改善方法
一. 機體發熱	<ol style="list-style-type: none"> 1. 超過標準負荷運轉 2. 潤滑油加入過多或過少 3. 加入潤滑油不適當或不良 4. 油封唇部潤滑不足 	<ol style="list-style-type: none"> 1. 調整至正常負荷 2. 潤滑油應加至油位指示處 3. 更換適當之齒輪潤滑油 4. 塗抹少許油脂於油封唇處
二. 運轉時噪音	<ol style="list-style-type: none"> 1. 有規律噪音 { 齒面接觸不良 軸承損壞 2. 尖銳的金屬聲音 { 軸承間隙太小 潤滑油不足 3. 不規律噪音 { 異物掉入 軸承受損 	<ol style="list-style-type: none"> 1. { 修整齒接觸面 更換軸承 2. { 更換軸承 補足潤滑油 3. { 除去異物，更新潤滑油 更換軸承
三. 運轉時振動	<ol style="list-style-type: none"> 1. 齒輪磨損 2. 異物掉入 3. 軸承磨耗或受損 4. 螺絲鬆動 	<ol style="list-style-type: none"> 1. 更換齒輪 2. 除去異物，更新潤滑油 3. 更換軸承 4. 鎖緊螺絲
四. 漏油	<ol style="list-style-type: none"> 1. 油封損傷 2. 墊片破損 3. 排油栓未鎖牢 4. 蓋類或法蘭螺絲鬆脫 	<ol style="list-style-type: none"> 1. 更換油封 2. 更換墊片 3. 鎖緊排油栓 4. 鎖緊螺絲
五. 入力軸及出力軸無法轉動	<ol style="list-style-type: none"> 1. 齒輪啮合面因高熱而粘合 2. 軸承已損壞 3. 有固形物(硬物)嚙入齒輪接合面 	<ol style="list-style-type: none"> 1. 依程度而判斷可調整或更換齒輪 2. 更換軸承 3. 除去硬物，清洗內部後更新潤滑油
六. 入力軸空轉，而無法帶動出力軸轉動	<ol style="list-style-type: none"> 1. 齒輪已磨耗 2. 齒輪與出力軸之配合鍵破損 3. 入力軸折斷 4. 出力軸折斷 	<ol style="list-style-type: none"> 1. 更換齒輪 2. 更換鍵 3. 更換入力軸 4. 更換出力軸
七. 齒輪磨耗較大	<ol style="list-style-type: none"> 1. 超過正常負荷 2. 潤滑油不良或不適當 3. 潤滑油不足 4. 運轉環境溫度過高 	<ol style="list-style-type: none"> 1. 調整適當負荷 2. 更換適當之潤滑油 3. 補充潤滑油 4. 改善通風環境

Cause & Trouble shooting for the general problem and Improvement

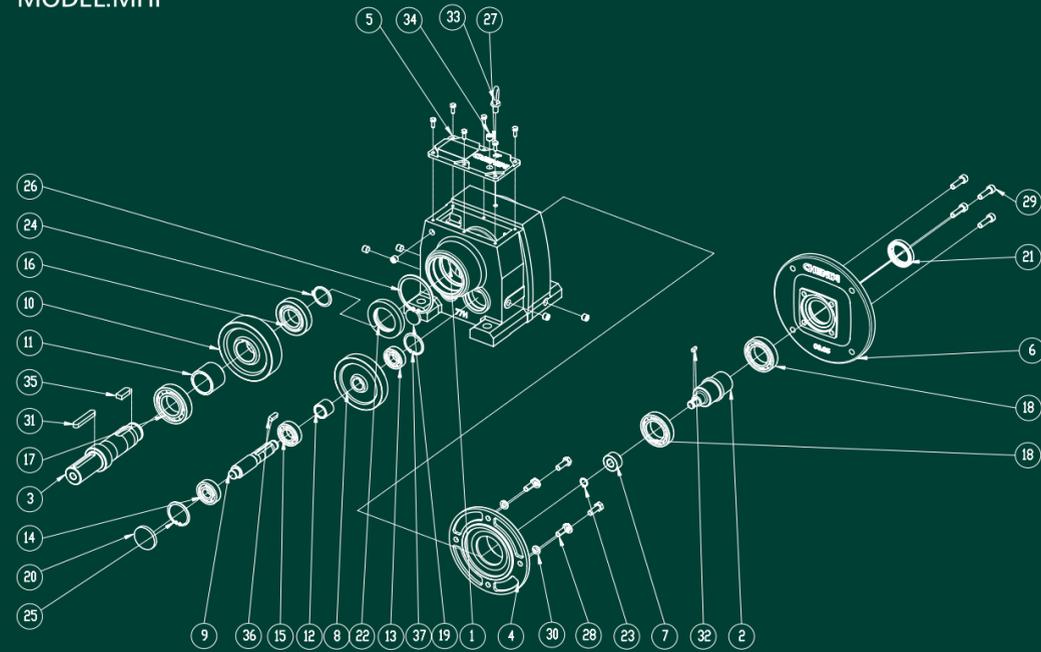
The following lists are general problem situations. In case other problem happen, please contact directly with us to get more information.

CAUSE	REASON	IMPROVEMENT
1. Overheat	<ol style="list-style-type: none"> 1. overload 2. lubricant oil overfill or shortage 3. improper lubricant oil 4. over friction on oil seal (lack of lubricant) 	<ol style="list-style-type: none"> 1. adjust to proper loading 2. Add lucricant to the level of oil gauge 3. change proper lubricant oil 4. Lip lubricant at oil seal
2. Noise	<ol style="list-style-type: none"> 1. consistant noise { improper gears contact; bearing damaged 2. screaming noise { bearing gap too small; lubricant oil shortage 3. consistant noise { some object insert; bearing damaged 	<ol style="list-style-type: none"> 1. { repair gears; replace bearing 2. { replace bearing; fill in lubricant oil 3. { remove debris & replace lubricant oil; replace bearing
3. Vibration	<ol style="list-style-type: none"> 1. gear over-fricative 2. Debris inside 3. bearing worn-out or damaged 4. bolt loose 	<ol style="list-style-type: none"> 1. replace gear 2. remove debris & replace lubricant oil 3. replace bearing 4. tighten bolt
4. Oil Leakage	<ol style="list-style-type: none"> 1. oil seal damaged 2. gasket damaged 3. drain plug loose 4. covers or flange loose 	<ol style="list-style-type: none"> 1. replace oil seal 2. replace gasket 3. tighten drain plug 4. tighten the bolts
5. Input and Output Shaft Fail	<ol style="list-style-type: none"> 1. overheat cause gear-bound. 2. bearing damaged 3. some debris between gears 	<ol style="list-style-type: none"> 1. adjust or replace gears 2. replace bearing 3. remove debris; clean inside then replace lubricant oil
6. Input shaft fail to drive output shaft	<ol style="list-style-type: none"> 1. gear worn-out 2. the key connecting gear and output shaft damaged 3. input shaft broken 4. output shaft broken 	<ol style="list-style-type: none"> 1. replace gears 2. replace key 3. replace input shaft 4. replace output shaft
7. Gear Worn-out	<ol style="list-style-type: none"> 1. overload 2. improper lubricant oil 3. lubricant oil shortage 4. ambient temperature too high 	<ol style="list-style-type: none"> 1. adjust to proper loading 2. change proper lubricant oil 3. refill lubricant oil 4. ventilation improvement

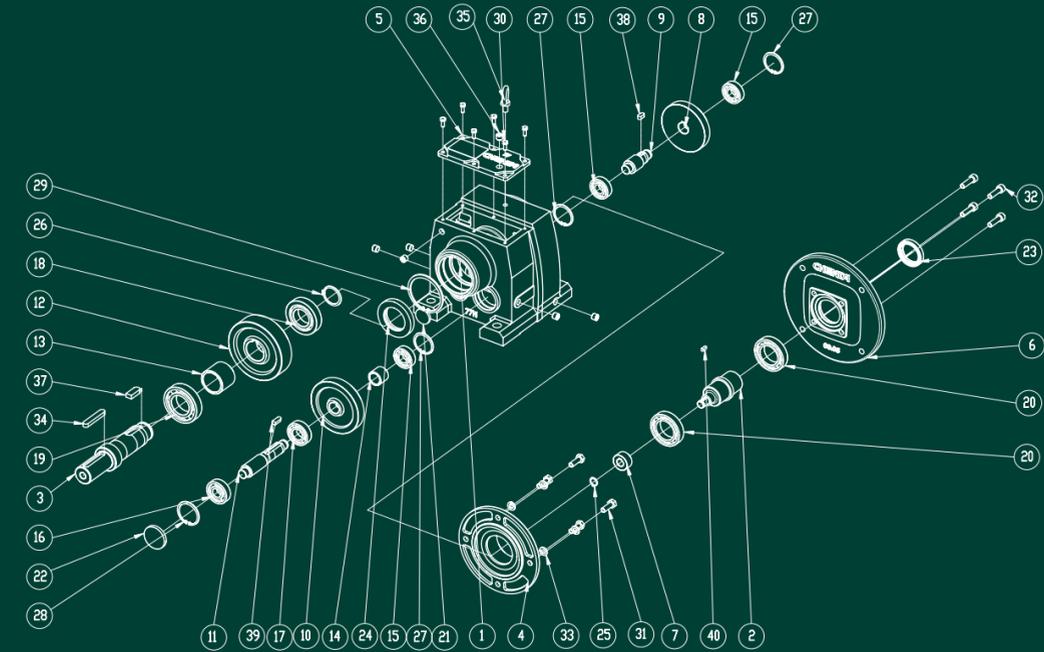
零件分解圖 (二段)
Basic Structure for 2 Stages

零件分解圖 (三段)
Basic Structure for 3 Stages

MODEL:MHF



MODEL:MHF



編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY
1	本體 housing	1	10	齒輪-G3 gear#3	1	19	油封 oil seal	1	28	六角頭螺絲 bolt	4
2	入力軸 input shaft	1	11	隔環 spacer	1	20	油封 oil seal	1	29	六角頭螺絲 bolt	4
3	出力軸 output shaft	1	12	隔環 spacer	1	21	油封 oil seal	1	30	華司 washer	1
4	入力蓋 input cover	1	13	軸承 bearing	1	22	油封 oil seal	1	31	雙圓鍵 key	1
5	天窗蓋 top cover	1	14	軸承 bearing	1	23	扣環 snap ring	1	32	雙圓鍵 key	1
6	入力法蘭 input flange	1	15	軸承 bearing	1	24	扣環 snap ring	1	33	吊鉤 eye-bolt	1
7	齒軸-P1 pinion#1	1	16	軸承 bearing	1	25	扣環 snap ring	1	34	塞頭 breather cap	6
8	齒輪-G1 gear#1	1	17	軸承 bearing	1	26	扣環 snap ring	1	35	平鍵 key	1
9	齒軸-P3 pinion#3	1	18	軸承 bearing	1	27	六角頭螺絲 bolt	6	36	平鍵 key	1
									37	扣環 snap ring	1

材質說明：

- 1 本體、蓋類、法蘭：灰口鑄鐵
- 2 入力軸、出力軸：鉻鉬合金鋼、中碳鋼
- 3 齒軸：鉻鉬合金鋼
- 4 齒輪：鉻鉬合金鋼

MATERIAL GLANCE：

- 1 HOUSING, COVER, FLANGE：FC20
- 2 INPUT SHAFT, OUTPUT SHAFT：SCM 440, S45C
- 3 PINION：SCM415
- 4 GEAR：SCM415

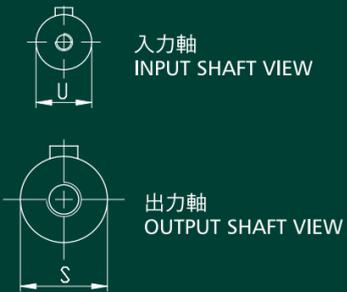
編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY	編號 ITEM	名稱 PARTS NAME	數量 QTY
1	本體 housing	1	11	齒輪-P3 pinion#3	1	21	油封 oil seal	1	31	六角頭螺絲 bolt	4
2	入力軸 input shaft	1	12	齒輪-G3 gear#3	1	22	油封 oil seal	1	32	六角頭螺絲 bolt	4
3	出力軸 output shaft	1	13	隔環 spacer	1	23	油封 oil seal	1	33	華司 washer	4
4	入力蓋 input cover	1	14	隔環 spacer	1	24	油封 oil seal	1	34	雙圓鍵 key	1
5	天窗蓋 top cover	1	15	軸承 bearing	3	25	扣環 snap ring	1	35	吊鉤 eye-bolt	1
6	入力法蘭 input flange	1	16	軸承 bearing	1	26	扣環 snap ring	1	36	塞頭 breather cap	6
7	齒軸-P1 pinion#1	1	17	軸承 bearing	1	27	扣環 snap ring	2	37	平鍵 key	1
8	齒輪-G1 gear#1	1	18	軸承 bearing	1	28	扣環 snap ring	1	38	單圓鍵 key	1
9	齒軸-P2 pinion#2	1	19	軸承 bearing	1	29	扣環 snap ring	1	39	平鍵 key	1
10	齒輪-G2 gear#2	1	20	軸承 bearing	2	30	六角頭螺絲 bolt	6	40	平鍵 key	1

材質說明：

- 1 本體、蓋類、法蘭：灰口鑄鐵
- 2 入力軸、出力軸：鉻鉬合金鋼、中碳鋼
- 3 齒軸：鉻鉬合金鋼
- 4 齒輪：鉻鉬合金鋼

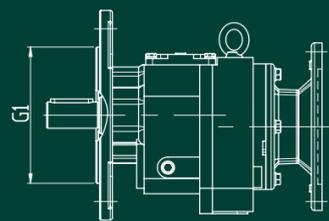
MATERIAL GLANCE：

- 1 HOUSING, COVER, FLANGE：FC20
- 2 INPUT SHAFT, OUTPUT SHAFT：SCM 440, S45C
- 3 PINION：SCM415
- 4 GEAR：SCM415



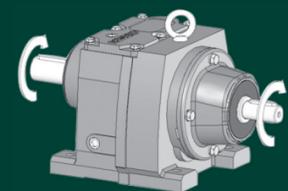
單位 Unit: mm

出、入力軸 軸徑尺寸公差 OUTPUT & INPUT SHAFT DIAMETER	k6	m6
> ϕ 14~18	+0.012 +0.001	+0.018 +0.007
> ϕ 18~30	+0.015 +0.002	+0.021 +0.008
> ϕ 30~50	+0.018 +0.002	+0.025 +0.009
> ϕ 50~80	+0.021 +0.002	+0.030 +0.011
> ϕ 80~120	+0.025 +0.003	+0.035 +0.013



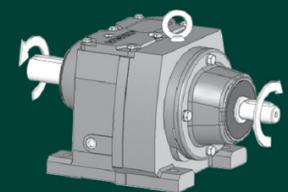
出力法蘭 唇徑尺寸公差 FLANGE PILOT DIAMETER G1	h7
> ϕ 80~120	0 -0.035
> ϕ 120~180	0 -0.04
> ϕ 180~250	0 -0.046
> ϕ 250~315	0 -0.052
> ϕ 315~400	0 -0.057
> ϕ 400~500	0 -0.063

圖1/ Picture 1



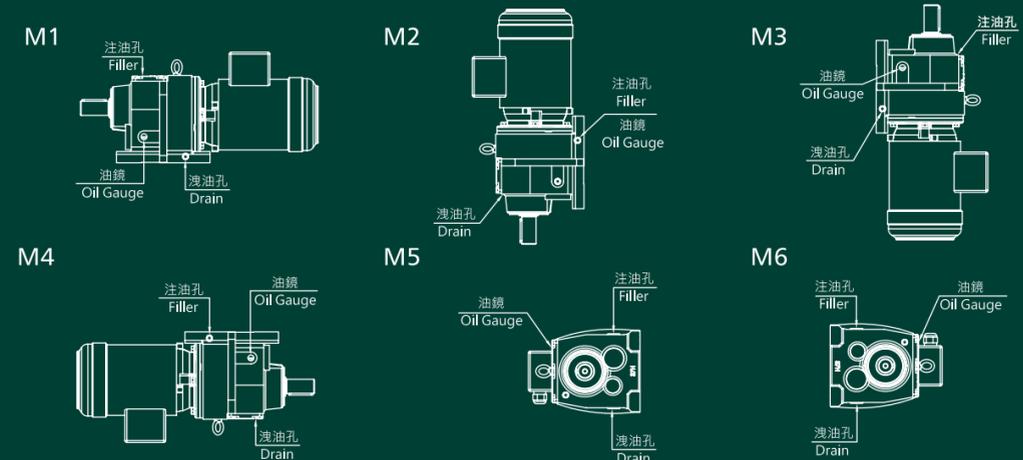
兩段減速
 旋轉方向：出力軸與入力軸旋轉方向相同方向(如圖1)
 2 stage
 output shaft and input shaft rotate in the same direction.
 (refer to Picture 1)

圖2/ Picture 2

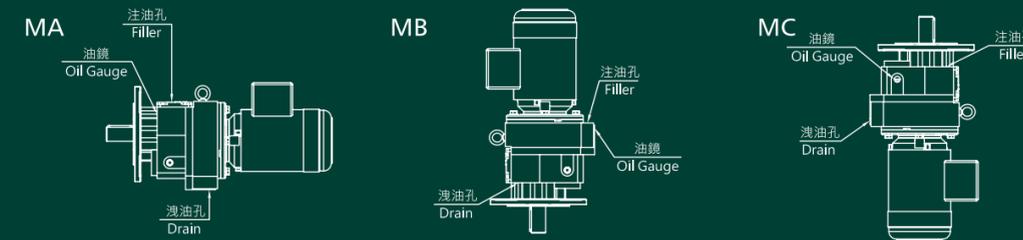


三段減速
 旋轉方向：出力軸與入力軸旋轉方向不同方向(如圖2)
 3 stage
 output shaft and input shaft rotate in opposite directions.
 (refer to Picture 2)

■ 臥式齒輪 (MOUNTING POSITION OF FOOT MOUNTING)



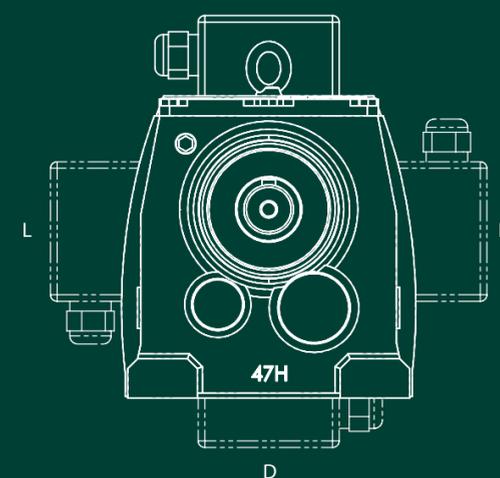
■ 立式齒輪 (MOUNTING POSITION OF FLANGE MOUNTING)



● 請注意：安裝位置M2軸承需要特殊的潤滑方式。請詢問本公司的服務人員
 NOTE : Please specify if position M2 is required . (Special Lubrication design on bearings.)

標準安裝組U位置
 Standard Assembling at "U" Position

配合東元馬達
 For "TECO" Motor



接線盒安裝說明
 T-BOX Assembling Instruction

潤滑油用量 Lubricant(l)												
型號 Size		17	37	47	67	77	87	97	107	137	147	
潤滑油 Lubricant	臥式 (H*)	M1	0.24	0.3	0.7	1.1	1.2	2.3	4.6	6	10	15.4
		M2	0.6	1.05	1.65	3.5	4.1	7.7	13.4	19.2	31.5	52
		M3	0.6	0.85	1.6	1.6	3.8	6.7	11.7	16.3	28	46.5
		M4	0.35	0.95	1.5	2.8	3.6	7.2	11.7	16.9	29.5	48
		M5	0.35	0.95	1.5	2	3.4	6.5	11.7	15.9	25	41
		M6	0.35	0.75	1.5	1.8	2.5	6.3	11.3	13.2	25	39.5
	立式 (V*)	MA	0.25	0.95	1.5	2.5	2.6	6	10.2	14.9	25	42
		MB	0.6	1.05	1.65	3.6	4.1	7.7	14	19.2	32.5	52
		MC	0.6	0.9	1.6	2.6	4.1	7.9	14	19	27	47

灰色格為標準注油量 Recommended Gear Oil is marked in grey

* H: Horizontal

* V: Vertical

■ 潤滑油選定參考表 Selection Table of Lubricant

標準負荷，入力轉速600 RPM或以上 Standard Load, Input 600 RPM or more.				
環境溫度 Temperature (°C)	中國石油 CPC	ISO VG	Mobil	Shell
-30 ~ -15	HD 100	VG 100	Mobilgear 627	Omala 100
-15 ~ -3	HD 150	VG 150	Mobilgear 629	Omala 150
-3 ~ 23	HD 220	VG 220	Mobilgear 630	Omala 220
23 ~ 40	HD 320	VG 320	Mobilgear 632	Omala 320
40 ~ 80	HD 460	VG 460	Mobilgear 634	Omala 460

超重負荷，入力轉速600 RPM或以上 Heavy Load, Input 600 RPM or more.				
環境溫度 Temperature (°C)	中國石油 CPC	ISO VG	Mobil	Shell
-30 ~ -15	HD 150	VG 150	Mobilgear 629	Omala 150
-15 ~ -3	HD 220	VG 220	Mobilgear 630	Omala 220
-3 ~ 23	HD 320	VG 320	Mobilgear 632	Omala 320
23 ~ 40	HD 460	VG 460	Mobilgear 634	Omala 460
40 ~ 80	HD 680	VG 680	Mobilgear 636	Omala 680

■ 出力轉速 > 100RPM，使用中油國光牌HD220極壓機油或同級油
output RPM > 100 RPM, please use CPC HD-220 E.P.lubricant or equivalent.

■ 出力轉速 < 100 RPM，使用中油國光牌HD320極壓機油或同級油
output RPM < 100 RPM, please use CPC HD-320 E.P.lubricant or equivalent.

MHF / MVF						
型號 Size	入力軸 Input Shaft			出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	馬力 HP	軸承 Bearing	油封 Oil Seal	鍵 Key
17	PBA6005ZZ*2	PSS025047061*1	1/8HP 1/4HP	PBA6201*1 PBA6204ZZ*1	PSS025047061*1	PKD0606032*1
	PBA6005ZZ*2	PSS025047061*1	1/2HP			
	PBA6005ZZ*2	PSS030055071*1	1HP			
37	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6206ZZ*1 PBA6205*1	PSS035062111*1	PKD0807040*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
47	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
67	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
77	PBA6008ZZ*2	PSS040055081*1	1HP 2HP	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
87	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
	PBA6008ZZ*2	PSS040055081*1	2HP			
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
97	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
	PBA6212ZZ*1 PBA6213ZZ*1	PSS065090121*1	15HP 20HP			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	25HP 30HP			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	40HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
107	PBA6212ZZ*1 PBA6213ZZ*1	PSS065090121*1	15HP 20HP	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	25HP 30HP			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	40HP			
	PBA6215ZZ*1 PBA6217ZZ*1	PSS085120131*1	50HP 60HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
137	PBA6212ZZ*1 PBA6213ZZ*1	PSS065090121*1	15HP 20HP	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	25HP 30HP			
	PBA6215ZZ*1 PBA6217ZZ*1	PSS085120131*1	50HP 60HP			
	PBA6216ZZ*1 PBA6219ZZ*1	PSS095120131*1	75HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
147	PBA6212ZZ*1 PBA6213ZZ*1	PSS065090121*1	20HP	PBA6322ZZ*1 PBA6220*1	PSS130240201*1	PKD2816180*1
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	25HP 30HP			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS080105131*1	40HP			
	PBA6215ZZ*1 PBA6217ZZ*1	PSS085120131*1	50HP 60HP			
	PBA6216ZZ*1 PBA6219ZZ*1	PSS095120131*1	75HP			
PBA6217ZZ*1 PBA6221ZZ*1	PSS105125131*1	100HP 123HP				



MHD / MVD							
型號 size	入力軸 Input Shaft				出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	軸心 Shaft	鍵 Key	軸承 Bearing	油封 Oil Seal	鍵 Key
17	PBA6006ZZ*2	PSS030055071*1	φ 16 (1/8HP,1/4HP,1/2HP,1HP)	PKD0505032*1	PBA6201*1 PBA6204ZZ*1	PSS025047061*1	PKD0606032*1
37	PBA6204ZZ*1 PBA6205ZZ*1	PSS025052081*1	φ 16 (1/4HP,1/2HP)	PKD0505032*1	PBA6206ZZ*1 PBA6205*1	PSS035062111*1	PKD0807040*1
	PBA6205ZZ*1 PBA6206ZZ*1	PSS030062081*1	φ 19 (1,2HP)	PKD0606032*1			
47	PBA6204ZZ*1 PBA6205ZZ*1	PSS025052081*1	φ 16 (1/4HP,1/2HP)	PKD0505032*1	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
	PBA6205ZZ*1 PBA6206ZZ*1	PSS030062081*1	φ 19 (1,2HP)	PKD0606032*1			
	PBA6205ZZ*1 PBA6206ZZ*1	PSS030062081*1	φ 19 (3HP)	PKD0606032*1			
	PBA6205ZZ*1 PBA6206ZZ*1	PSS030062081*1	φ 24 (5HP)	PKD0807040*1			
67	PBA6008ZZ*2	PSS030040071*1	φ 19 (1/4,1/2HP)	PKD0606032*1	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
	PBA6008ZZ*2		φ 19 (2HP)	PKD0606032*1			
	PBA6009ZZ*2		φ 19 (3HP)	PKD0606032*1			
	PBA6009ZZ*2		φ 24 (5HP)	PKD0807040*1			
77	PBA6008ZZ*2	PSS030040071*1	φ 19 (1,2HP)	PKD0606032*1	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
	PBA6009ZZ*2	PSS030040071*1	φ 19 (3HP)	PKD0606032*1			
	PBA6009ZZ*2	PSS030040071*1	φ 24 (5HP)	PKD0807040*1			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS048068121*1	φ 38 (7.5HP,10HP)	PKD1008070*1			
87	PBA6009ZZ*2	PSS030040071*1	φ 19 (3HP)	PKD0606032*1	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
	PBA6009ZZ*2	PSS030040071*1	φ 28 (5HP)	PKD0807050*1			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS048068121*1	φ 38 (7.5HP,10HP)	PKD1008070*1			
	PBA6212ZZ*1 PBA6213ZZ*1	PSS055075121*1	φ 42 (15,20HP)	PKD1208070*1			
97	PBA6009ZZ*2	PSS030040071*1	φ 28 (5HP)	PKD0807050*1	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
	PBA6210ZZ*1 PBA6211ZZ*1	PSS048068121*1	φ 38 (7.5HP,10HP)	PKD1008070*1			
	PBA6212ZZ*1 PBA6213ZZ*1	PSS055075121*1	φ 42 (15,20HP)	PKD1208070*1			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS060082121*1	φ 48 (25,30,40HP)	PKD1409080*1			
107	PBA6210ZZ*1 PBA6211ZZ*1	PSS048068121*1	φ 38 (7.5HP,10HP)	PKD1008070*1	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
	PBA6212ZZ*1 PBA6213ZZ*1	PSS055075121*1	φ 42 (15,20HP)	PKD1208070*1			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS060082121*1	φ 48 (25,30,40HP)	PKD1409080*1			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS060082121*1	φ 48 (50,60HP)	PKD1409080*1			
137	PBA6212ZZ*1 PBA6213ZZ*1	PSS055075121*1	φ 42 (15,20HP)	PKD1208070*1	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1
	PBA6215ZZ*1 PBA6216ZZ*1	PSS060082121*1	φ 48 (25,30,40HP)	PKD1409080*1			
	PBA6215ZZ*1 PBA6216ZZ*1	PSS060082121*1	φ 48 (40HP)	PKD1409080*1			
	PBA6216ZZ*1 PBA6219ZZ*1	PSS065088121*1	φ 55 (50,60,75HP)	PKD1610090*1			

MHM / MVM			
型號 Size	出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	鍵 Key
17	PBA6201*1 PBA6204ZZ*1	PSS025047061*1	PKD0606032*1
37	PBA6206ZZ*1 PBA6205*1	PSS035062111*1	PKD0807040*1
47	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
67	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
77	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
87	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
97	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
107	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
137	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1

MNM / MXM			
型號 Size	出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	鍵 Key
37-47	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
37-67	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
37-77	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
47-87	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
47-97	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
77-107	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
77-137	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1
87-147	PBJ632ZZ*1 PBA6220*1	PSS130240201*1	PKD2816180*1



MNF / MXF						
型號 Size	入力軸 Input Shaft			出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	馬力 HP	軸承 Bearing	油封 Oil Seal	鍵 Key
37-47	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
37-67	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
37-77	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
47-87	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
47-97	PBA6006ZZ*2	PSS030047061*1	1/4HP 1/2HP	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
	PBA6008ZZ*2	PSS040055081*1	1HP 2HP			
	PBA6009ZZ*2	PSS045069091*1	3HP 5HP			
77-107	PBA6008ZZ*2	PSS040055081*1	1HP 2HP	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
	PBA6009ZZ*2	PSS045060091*1	3HP 5HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
77-137	PBA6008ZZ*2	PSS040055081*1	1HP 2HP	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1
	PBA6009ZZ*2	PSS045060091*1	3HP 5HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
87-147	PBA6008ZZ*2	PSS040055081*1	2HP	PBJ6322ZZ*1 PBA6220*1	PSS130240201*1	PKD2816180*1
	PBA6009ZZ*2	PSS045060091*1	3HP 5HP			
	PBA6210ZZ*1 PBA6211ZZ*1	PSS055080101*1	7.5HP 10HP			
	PBA6212ZZ*1 PBA6213ZZ*1	PSS065090121*1	15HP			

MND / MXD						
型號 Size	入力軸 Input Shaft			出力軸 Output Shaft		
	軸承 Bearing	油封 Oil Seal	馬力 HP	軸承 Bearing	油封 Oil Seal	鍵 Key
37-47	PBA6204ZZ*1 PBA6205ZZ*1	PSS025052081*1	φ 16	PBA6207ZZ*1 PBA6206*1	PSS040072101*1	PKD0807050*1
	PBA6205ZZ*1 PBA6206ZZ*1		φ 19			
	PBA6204ZZ*1 PBA6205ZZ*1		φ 16			
37-67	PBA6204ZZ*1 PBA6205ZZ*1	PSS025052081*1	φ 16	PBA6208ZZ*1 PBA6207*1	PSS050080121*1	PKD1008055*1
	PBA6205ZZ*1 PBA6206ZZ*1		φ 19			
37-77	PBA6204ZZ*1 PBA6205ZZ*1	PSS025052081*1	φ 16	PBA6209ZZ*1 PBA6208*1	PSS055085121*1	PKD1208070*1
	PBA6205ZZ*1 PBA6206ZZ*1		φ 19			
	PBA6204ZZ*1 PBA6205ZZ*1		φ 16			
47-87	PBA6204ZZ*1 PBA6205ZZ*1	PSS030047061*1	φ 16	PBA6311ZZ*1 PBA6210*1	PSS065120151*1	PKD1409080*1
	PBA6205ZZ*1 PBA6206ZZ*1		φ 19			
	PBA6205ZZ*1 PBA6206ZZ*1		φ 24			
47-97	PBA6204ZZ*1 PBA6205ZZ*1	PSS030047061*1	φ 16	PBA6212*1 PBA6313ZZ*1	PSS072140121*1	PKD1811110*1
	PBA6205ZZ*1 PBA6206ZZ*1		φ 19			
	PBA6205ZZ*1 PBA6206ZZ*1		φ 24			
77-107	PBA6008ZZ*2	PSS030040071*1	φ 19	PBA6214*1 PBA6315*1	PSS090160131*1	PKD2012125*1
	PBA6009ZZ*2		φ 24			
	PBA6210ZZ*1 PBA6211ZZ*1		φ 38			
77-137	PBA6008ZZ*2	PSS030040071*1	φ 19	PBA6216*1 PBA6318*1	PSS117190151*1	PKD2514160*1
	PBA6009ZZ*2		φ 24			
	PBA6210ZZ*1 PBA6211ZZ*1		φ 38			
87-147	PBA6009ZZ*2	PSS030040071*1	φ 19	PBJ6322ZZ*1 PBA6220*1	PSS130240201*1	PKD2816180*1
	PBA6009ZZ*2		φ 28			
	PBA6210ZZ*1 PBA6211ZZ*1		φ 38			
	PBA6212ZZ*1 PBA6213ZZ*1		φ 42			

減速機重量表 Weight

馬力及型號之選定 Selection Table of HP & Size

減速機重量表 Weight (Kg)		減速機重量表 Weight (Kg)																				
機型 Model	型號 Size 馬力 HP	17		37		47		67		77		87		97		107		137		147		
		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		段式(Stages)		
		2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	
臥式掛架 Foot Mounting	MHF	0.125	7.77	8.15																		
		0.25/0.5	7.88	8.26	11.4	11.9	17.7	18.6	28.4	29.6												
		1/2	8.5	8.88	13.2	13.7	19.4	20.3	30.2	31.4	34.7	36.4	64.9	68.1								
		3/5					22.3	23.2	33.1	34.3	37.4	39.1	67.6	70.8	101.2	105.3						
		7.5/10									43.8	45.5	73.6	76.8	106.9	111.0	161.0	166.8				
		15/20											84.6	87.8	117.8	121.9	171.0	176.8	262.0	272.5	385.92	398.45
		25/30/40													126.9	131.0	181.0	186.8	271.0	281.5	394.85	407.38
		50/60															188.0	193.8	279.0	289.5	403.48	416.01
		75																	297.0	307.5	420.93	433.46
		100/125																			435.98	448.51
臥式掛架 Foot Mounting	MHD	16	7.62	8.02	10.4	11.0	14.4															
		19			10.8	11.3	16.9	17.8	29.6	30.8	33.9	35.6	64.4	67.6								
		24				17.1	18.0	29.8	31	81.8	83.5											
		28											64.7	67.9	98.0	102.1						
		38									39.3	41.0	69.0	72.2	102.2	106.3	157.0	162.8				
		42											77.2	80.4	110.2	114.3	164.0	169.8	254.0	264.5		
		48													116.8	120.9	175.0	180.8	266.0	276.5		
		55																	273.0	283.5		
	立式掛架 Flange Mounting	MVM	0.125	11.5	11.88																	
			0.25	15	15.38	14.3	15.0	20.5	21.4	31.3	32.5											
		0.5	18.5	18.88	16.3	17.0	22.5	23.4	33.3	34.5												
		1			19.5	20.0	25.5	26.4	36.3	37.5	40.6	42.3										
		2			25.5	26.0	31.5	32.4	42.3	43.5	46.6	48.3										
		3					37.0	37.9	47.8	49	52.7	54.4	82.5	85.7	116.1	120.2						
		5					45.0	45.9	55.8	57	60.7	62.4	90.5	93.7	124.1	128.2						
		7.5									92.3	94.0	122.4	125.6	154.9	159.0	208.8	214.6				
		10									102.3	104.0	132.4	135.6	164.9	169.0	218.8	224.6				
		15									177.4	180.6	211.1	215.2	264.0	269.8	352.4	362.9				
立式掛架 Flange Mounting	MVF	0.125	7.37	7.75																		
		0.25/0.5	7.48	7.86	13.3	13.9	19.0	19.9	31.2	32.4	36.7											
		1/2	8.1	8.48	15.1	15.7	20.7	21.5	33	34.2	42.6	44.3	74.3	77.5								
		3/5					23.6	24.4	35.9	37.1	45.3	47.0	77.0	80.2	121.6	125.7						
		7.5/10									51.7	53.4	83.0	86.2	127.3	131.4	176.2	182.0				
		15/20											94.0	97.2	138.2	142.3	186.2	192.0	296.5	307.0	381.36	393.89
		25/30/40													147.3	151.4	196.2	202.0	305.5	316.0	390.29	402.82
		50/60															203.2	209.0	313.5	324.0	398.92	411.45
		75																	331.5	342.0	416.37	428.9
		100/125																			431.42	443.95
立式掛架 Flange Mounting	MVD	16	8.02	8.42	12.4	13.0																
		19			12.7	13.3	18.2	19.0	32.4	33.6	41.8	43.5	73.8	77.0								
		24				18.4	19.2	32.6	33.8	89.7	91.4											
		28											74.1	77.3	118.4	122.5						
		38									47.2	48.9	78.4	81.6	122.6	126.7	172.2	178.0				
		42											86.6	89.8	130.6	134.7	179.2	185.0	288.5	299.0		
		48													137.2	141.3	190.2	196.0	300.5	311.0		
		55																	307.5	318.0		
	立式掛架 Flange Mounting	MVM	0.125	11.9	12.28																	
			0.25	15.4	15.78	16.3	16.9	21.8	22.6	34.1	35.3											
		0.5	18.9	19.28	18.3	18.9	23.8	24.6	36.1	37.3												
		1			21.4	22.0	26.8	27.6	39.1	40.3	48.5	50.2										
		2			27.4	28.0	32.8	33.6	45.1	46.3	54.5	56.2										
		3					38.2	39.1	50.6	51.8	60.6	62.3	91.9	95.1	136.5	140.6						
		5					46.3	47.1	58.6	59.8	68.6	70.3	99.9	103.1	144.5	148.6						
		7.5									100.2	101.9	131.8	135.0	175.3	179.4	224.0	229.8				
		10									110.2	111.9	141.8	145.0	185.3	189.4	234.0	239.8				
		15											186.8	190.0	231.5	235.6	279.2	285.0	386.9	397.4		
	20											206.8	210.0	251.5	255.6	299.2	305.0	406.9	417.4			
	25/30													335.2	339.3	384.9	390.7	491.6	502.1			
	40															444.9	450.7	551.6	562.1			
	50/60															484.4	490.2	593.3	603.8			

馬力及型號之選定 Selection Table of HP & Size																		
公稱速比 Nominal Ratio	輸入轉速 INPUT 1750R.P.M										馬力數 Horse Power (HP)							
	1/8	1/4	1/2	1	2	3	5	7-1/2	10	15	20	25	30	40	50	60	75	100
120																		
110																		
100		37	47	77			97	107										
90					87				107	137								
80						87					147							
70												147						
60											137							
55			37															
50				47	77													
45																		
40									97									
35	17																	
30		17																
25				37	47	67												
20							77											
15			17															
10					37	47												
5							47											
4																		

舉例：
馬力：2HP
速比：1/60
選用型號：77型

Example：
POWER：2HP
RATIO：1/60
SIZE：#77



齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

INPUT HORSEPOWER & OUTPUT TORQUE RATINGS

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

SIZE:17型													
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1				
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp				實心入力軸徑 Input Shaft mm
									1/8HP	1/4HP	1/2HP	1HP	
80	79.85	0.22	22	7.3	18	8.7	184	3					φ16
70	68.73	0.25	25	7.3	21	8.7	184						
60	59.23	0.29	29	7.3	24	8.7	184						
50	49.90	0.35	35	7.3	29	8.7	184						
45	45.45	0.38	38	7.3	32	8.7	184						
40	39.61	0.44	44	7.3	37	8.7	184						
35	35.17	0.49	49	7.3	41	8.7	184						
30	29.36	0.59	59	7.3	49	8.7	184						
25	24.76	0.70	71	7.3	59	8.7	173						
20	19.69	0.88	89	7.3	74	8.7	156						
15	15.02	1.00	116	6.3	97	7.5	109	2					φ16
12.5	12.65	1.10	138	5.8	115	6.9	104						
10	10.04	1.25	173	5.2	144	6.2	97						
7.5	7.44	1.45	234	4.5	195	5.4	93						
5	4.99	1.79	349	3.7	291	4.4	87						
4	4.05	1.95	430	3.3	358	3.9	82						

SIZE:37型													
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1				
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp				實心入力軸徑 Input Shaft mm
									1/4HP	1/2HP	1HP	2HP	
120	119.93	0.25	15	11.4	12	13.8	450	3					φ16
110	106.18	0.3	16	12.1	14	14.7	450						
100	96.44	0.35	18	12.9	15	15.5	450						
90	91.47	0.5	19	17.4	16	21.0	450						
80	79.29	0.55	22	16.6	18	20.1	450						
70	69.57	0.62	25	16.4	21	19.8	439						
60	59.94	0.71	29	16.2	24	19.6	413						
55	57.20	0.83	31	18.1	25	21.8	403						
50	49.28	0.93	36	17.5	29	21.1	383						
45	46.07	0.95	38	16.7	31	20.1	372						
40	39.27	1.1	45	16.5	37	19.9	352						
35	32.51	1.4	54	17.3	45	20.9	327						
30	30.18	1.4	58	16.1	48	19.4	321						
25	24.81	1.6	71	15.1	58	18.3	296						
20	20.99	2.3	83	18.5	69	22.2	224						
25	24.50	1.1	71	10.6	59	12.8	311	2					φ19
20	19.95	1.6	88	12.5	73	15.1	286						
15	15.75	2.1	111	13.0	92	15.7	255						
13	12.68	2.4	138	12.0	114	14.4	240						
10	10.42	2.5	168	10.2	139	12.4	224						
7	6.84	3.4	256	9.1	212	11.0	194						
5	4.88	3.5	359	6.7	297	8.1	179						
4	4.2	4.3	437	6.6	362	8.0	157						

表示可選用之入力馬力
AVAILABLE INPUT HP

SIZE:47型															
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1						
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp						實心入力軸徑 Input Shaft mm
									1/4HP	1/2HP	1HP	2HP	3HP	5HP	
120	120.20	0.5	15	27.5	12.06	27.65	459	3							φ16
110	106.30	0.5	16	20.9	13.64	24.45	459								
100	102.47	0.5	17	19.5	14.15	23.57	459								
90	91.24	0.6	19	20.9	15.89	25.18	459								
80	84.26	0.65	21	20.9	17.21	25.19	459								
70	72.29	0.8	24	22.0	20.06	26.60	439								
60	60.16	1.1	29	25.2	24.10	30.44	413								
55	55.56	1.2	32	25.4	26.10	30.67	403								
50	49.45	1	35	18.8	29.32	22.74	383								
45	47.66	1.4	37	25.4	30.42	30.70	372								
40	39.26	1.8	45	26.9	36.93	32.51	352								
35	35.46	1.9	49	25.7	40.90	30.99	327								
30	30.44	2.1	57	24.4	47.64	29.40	321								
25	25.38	2.5	69	24.2	57.12	29.19	301								
20	22.30	3.3	78	28.1	65.02	33.85	270								
23	23.02	1.7	76	15.4	63.00	18.60	311	2					φ16		
20	20.36	1.8	86	14.4	71.23	17.40	286								
18	18.37	2	95	14.4	78.93	17.42	255								
15	14.27	3	123	16.8	101.59	20.31	240								
10	9.96	5	176	19.6	145.52	23.63	230								
7	6.79	6.7	258	17.9	213.62	21.57	194								
5	5.66	7	309	15.6	256.14	18.79	179								
4	4.05	9.3	432	14.8	358	17.8	157								

SIZE:67型															
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1						
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp						實心入力軸徑 Input Shaft mm
									1/4HP	1/2HP	1HP	2HP	3HP	5HP	
120	123.20	0.56	14	28.2	12	31.7	699	3							φ19
110	105.60	0.65	17	28.2	14	31.6	699								
100	98.82	0.8	18	30.1	15	36.4	699								
90	84.70	1	21	32.3	17	39.0	699								
80	79.85	1.1	22	33.5	18	40.4	699								
70	68.44	1.2	26	31.3	21	37.8	663								
60	59.29	1.8	30	40.7	24	49.1	597								
55	55.61	1.5	31	31.8	26	38.4	612								
50	50.82	2.1	34	40.7	29	49.1	561								
45	46.13	2	38	35.2	31	42.4	577								
40	41.29	2.5	42	39.3	35	47.5	520								
35	34.25	2.9	51	37.9	42	45.7	490								
30	30.17	3.5	58	40.3	48	48.6	459								
25	25.51	4.3	69	41.8	57	50.5	342								
20	19.71	5.5	89	41.3	74	49.9	270								
15	16.34	6.2	107	38.6	89	46.6	245								
25	26.40	2.1	66	21.8	55	26.3	485	2					φ19		
20	18.79	3.2	93	23.6	77	28.5	423								
15	15.07	4.5	116	26.7	96	32.2	372								
13	12.53	5.1	140	26.4	116	30.3	362								
10	10.05	6.4	174	26.6	144	30.5	372								
8	7.46	7.7	234	23.8	194	27.3	286								
5	5.23	8.3	334	18.0	277	20.6	265								
4	3.96	11.5	442	17.9	366	21.6	232								

表示可選用之入力馬力
AVAILABLE INPUT HP



齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

INPUT HORSEPOWER & OUTPUT TORQUE RATINGS

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

SIZE:77型																
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1					實心入力軸徑 Input Shaft mm		
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp							
									1HP	2HP	3HP	5HP	7-1/2HP			
120	116.13	1	15	44.3	12	53.4	837	3							φ19	
110	105.99	1	17	40.4	14	48.8	827									
100	101.24	1	17	38.6	14	46.6	811									
90	92.40	1.2	19	42.3	16	51.0	786									
80	79.23	1.3	22	39.3	18	47.4	735									
70	70.75	1.7	25	45.8	20	55.3	694									
60	63.05	2	28	48.1	23	58.0	663									
55	52.92	2.6	33	52.4	27	63.3	592									
50	50.25	2.8	35	53.6	29	64.7	592									
45	44.46	3.1	39	52.5	33	63.4	561									
40	40.81	3.2	43	49.8	36	60.1	541									
35	33.98	3.5	51	45.3	43	54.7	520									
30	31.94	3.8	55	46.3	45	55.8	500									
25	25.97	5.2	67	51.5	56	62.1	444									
20	20.33	6	80	46.5	71	56.1	413									
15	14.95	7.5	134	42.7	97	51.6	367									
25	24.05	3	73	28.4	60	34.2	490	2							φ24	
23	23.31	4	75	36.6	62	44.2	469									
20	21.27	4.5	82	37.6	68	45.4	449									
15	14.83	6.1	118	35.6	98	42.9	398									
13	13.54	7.2	129	38.3	107	46.2	378									
10	9.96	8.7	176	34.0	146	41.1	342									
7	6.65	9	263	23.5	218	28.4	306									
5	4.78	9.5	366	17.8	304	21.5	276									
4	4.03	12.3	434	18.7	360	22.5	242									

SIZE:97型																		
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1							實心入力軸徑 Input Shaft mm		
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp									
									3HP	5HP	7-1/2HP	10HP	15HP	20HP	25/30HP			
120	115.43	5	15	220	13	265	2296	3									φ28	
110	111.72	5	16	213	13	257	2296											
100	101.79	5	17	194	14	234	2296											
90	89.28	5	20	170	16	205	2296											
80	81.51	7.5	21	155	18	281	2245											
70	69.95	7.5	25	200	21	241	2056											
60	60.82	7.5	29	174	24	210	1985											
55	55.42	10	32	211	26	255	1842											
50	48.03	11.3	36	207	30	250	1724											
45	44.72	12.3	39	210	32	253	1673											
40	38.36	15	46	219	38	265	1556											
35	35.72	15.8	49	215	41	260	1515											
30	28.33	22.3	62	241	51	291	1301											
25	24.63	23.5	71	221	59	266	1260											
20	19.69	33	89	248	74	299	1092											
15	15.32	35	114	204	95	247	1046											
23	22.96	6.4	76	58	63	70	1536	2								φ28		
20	20.92	7.1	84	58	69	70	1480											
17	16.75	12	104	79	87	95	1342											
15	15.26	15	115	90	95	109	1270											
13	13.38	21.5	131	113	108	136	1184											
10	9.74	34.5	180	132	149	159	1010											
7	7.34	36	238	104	197	125	934											
5	5.42	37	323	79	267	95	857											
4	4	50	438	78	362	94	751											

SIZE:87型																
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1					實心入力軸徑 Input Shaft mm		
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp							
									2HP	3HP	5HP	7-1/2HP	10HP		15HP	
120	117.17	3	15	131	12	162	1939	3							φ19	
110	107.20	3	16	120	14	148	1939									
100	100.70	3	17	113	14	139	1939									
90	92.13	3.5	19	123	16	148	1939									
80	80.06	5	22	153	18	184	1939									
70	72.13	5	24	137	20	166	1832									
60	61.99	5.5	28	130	23	157	1740									
55	57.74	5.2	30	114	25	138	1750									
50	50.35	5.3	35	102	29	123	1694									
45	45.12	6.2	39	107	32	129	1571									
40	38.78	6.4	45	95	37	114	1500									
35	34.47	8.5	51	112	42	135	1429									
30	29.90	8.8	59	100	49	121	1352									
25	27.50	8.7	64	91	53	110	1342									
20	21.56	13.3	81	109	67	132	1173									
23	22.83	4.5	77	40	64	49	1352	2							φ19	
20	19.83	7	88	55	73	66	1265									
18	18.15	7.8	96	56	80	67	1224									
15	15.29	12.1	114	73	95	88	1122									
10	10.37	20.7	169	84	140	102	954									
8	8.03	21	218	66	181	80	878									
5	5.02	23.8	348	47	289	57	760									
4	4.06	29	431	46	357	55	665									

SIZE:107型																			
公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1								實心入力軸徑 Input Shaft mm		
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp										
									7-1/2HP	10HP	15HP	20HP	25HP	30HP	40HP	50/60HP			
120	115.50	10.5	15	434	13	558	2699	3										φ38	
110	106.76	10.5	16	401	14	516	2663												
100	103.02	11.5	17	424	14	545	2587												
90	86.50	12.5	20	387	17	497	2444												
80	79.95	12.5	22	358	18	460	2413												
70	68.27	13	26	318	21	408	2306												
60	62.90	16	28	360	23	463	2179												
55	53.71	17.5	33	337	27	432	2056												
50	53.00	20	33	380	27	488	2010												
45	44.50	22.5	39	359	33	461	1878												
40	39.52	25.5	44	361	37	464	1796												
35	34.23	27	51	331	42	425	1719												
30	29.23	31	60	324	50	417	1592												
25	25.52	34.5	69	315	57	405	1531												
20	21.79	42	86	328	67	421	1388												
15	13.09	44	126	206	111	265	1281												
25	24.40	24	72	221	59	278	1673	2									φ38		
20	21.77	24	80	197	67	248	1638												
15	14.38	34	122	184	101	232	1398												
10	10.44	57	168	248	139	312	1173												
5	4.50	66	389	112	322	141	959												
4	4	70	437	105	362	126	841												

表示可選用之入力馬力
AVAILABLE INPUT HP

表示可選用之入力馬力
AVAILABLE INPUT HP



齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.



SIZE:137型

公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1								實心入力軸徑 Input Shaft mm		
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp										
									15HP	20HP	25HP	30HP	40HP	50HP	60HP	75HP			
120	117.25	15	15	657	12	809	3561	3											φ42
110	107.80	15	16	604	13	744	3485												
100	99.66	15	18	558	15	688	3449												
90	91.63	16	19	559	16	674	3337												
80	79.05	20	22	603	18	727	3092												
70	70.35	20	25	536	21	647	3036												
60	59.14	25	30	496	25	599	2878												
55	54.38	27.5	32	549	27	663	2709												
50	50.13	32	35	612	29	738	2520												
45	44.49	31	39	526	33	634	2520												
40	43.25	41	40	676	34	816	2281												
35	35.39	43	49	580	41	700	2199												
30	32.81	52.5	53	657	44	792	2031												
25	24.24	68	72	628	60	758	1689												
20	20.68	77	85	607	70	732	1587												
15	14.60	91	120	506	99	611	1459												
23	23.45	25	75	230	62	278	2265	2										φ42	
20	21.56	28	81	237	67	286	2184												
17	17.15	34	102	229	85	277	2000												
15	14.96	61	117	358	97	433	1765												
13	13.75	65	127	351	105	424	1709												
10	10.12	93	173	370	143	446	1485												
8	8.05	97	217	307	180	370	1398												
5	4.87	98	360	187	298	226	1235												
4	4.04	117	432	178	358	214	1083												

SIZE:147型

公稱速比 Nominal ratio	實際速比 Actual ratio	入力馬力 Input HP	1750入力Input rpm		1450入力Input rpm		超吊荷重 OHL kg	段式 stage	操作係數 Service Factor: 1												
			出力轉速 Output rpm	出力扭力矩 Output Torque kgm	出力轉速 Output rpm	出力扭力矩 Output Torque kgm			可選用之入力馬力 available input Hp												
									20HP	25HP	30HP	40HP	50HP	60HP	75HP	100HP	125HP				
120	117.29	21.6	14	961	12	1153	5102	3													
110	109.03	23.3	16	961	13	1153	5000														
100	99.44	25.5	18	961	15	1153	4796														
90	89.86	28.2	19	961	16	1153	4592														
80	83.30	30.5	20	961	17	1153	4439														
70	70.80	35.9	25	961	21	1153	4184														
60	60.38	42	29	961	24	1153	3878														
50	50.49	50.3	35	961	29	1153	3622														
45	44.98	56.4	38	961	32	1153	3418														
40	41.70	60.9	42	961	35	1153	3316														
35	35.44	71.6	49	961	41	1153	3112														
30	30.23	84	58	961	48	1153	2857														
25	25.27	100.4	34	961	57	1153	2653														
20	19.99	127	88	961	73	1153	2347														
15	14.12	174.4	124	961	103	1153	2143	2													
10	10.24	240.5	170	961	142	1153	1786														
5	5.00	328.4	348	614	290	769	1531														
4	4.16	395	419	614	349	769	1418														

■ 表示可選用之入力馬力
■ AVAILABLE INPUT HP

 齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

實際速比 Actual ratio	配置方式 Stage Table		1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1				
	段式 Stage	公稱速比 Nominal ratio	實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準IEC框號 Selection table of IEC standard motor				
									63	71	80	90	
	37-47	37	47										
14416	33	120	120	0.006	0.12	0.005	0.10	30.61	459				
12289	33	120	100	0.007	0.14	0.006	0.12						
10880	33	110	100	0.008	0.16	0.006	0.13						
9882	33	100	100	0.008	0.18	0.007	0.15						
8670	33	120	70	0.010	0.20	0.008	0.17						
7676	33	110	70	0.011	0.23	0.009	0.19						
6613	33	90	70	0.013	0.26	0.011	0.22						
5732	33	80	70	0.015	0.31	0.012	0.25						
5030	33	70	70	0.017	0.35	0.014	0.29						
4360	33	90	45	0.019	0.40	0.016	0.33						
3113	33	80	40	0.027	0.56	0.022	0.47						
2811	33	80	35	0.030	0.62	0.025	0.52						
2467	33	70	35	0.034	0.71	0.028	0.59						
2220	32	100	23	0.037	0.79	0.031	0.65						
2106	32	90	23	0.039	0.83	0.032	0.69						
1825	32	80	23	0.045	0.96	0.037	0.79						
1601	32	70	23	0.051	1.09	0.043	0.91						
1457	32	80	18	0.056	1.20	0.047	1.00						
1278	32	70	18	0.064	1.37	0.053	1.13						
1101	32	60	18	0.075	1.59	0.062	1.32						
1051	32	55	18	0.078	1.67	0.065	1.38						
904	32	40	23	0.091	1.94	0.075	1.60						
846	32	45	18	0.097	2.07	0.080	1.71						
748	32	35	23	0.110	2.34	0.091	1.94						
695	32	30	23	0.118	2.52	0.098	2.09						
621	32	90	7	0.132	2.82	0.110	2.33						
554	32	30	18	0.148	3.16	0.123	2.62						
483	32	20	23	0.170	3.62	0.141	3.00						
406	22	20	20	0.198	4.31	0.164	3.57						
362	22	15	23	0.222	4.83	0.184	4.01						
292	22	13	23	0.276	5.99	0.228	4.97						
240	22	10	23	0.335	7.29	0.278	6.04						
191	22	10	18	0.421	9.16	0.349	7.59						
157	22	7	23	0.513	11.15	0.425	9.24						
135	22	20	7	0.596	12.96	0.494	10.74						
126	22	7	18	0.639	13.89	0.529	11.51						
107	22	15	7	0.752	16.36	0.623	13.55						

可搭配之標準IEC框號
Selection table of IEC standard motor

實際速比 Actual ratio	配置方式 Stage Table		1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1				
	段式 Stage	公稱速比 Nominal ratio	實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準IEC框號 Selection table of IEC standard motor				
									63	71	80	90	
	37-67	37	67										
14775	33	120	120	0.011	0.12	0.009	0.10	61.22	699				
12665	33	120	110	0.013	0.14	0.011	0.11						
11212	33	110	110	0.015	0.16	0.012	0.13						
10158	33	120	90	0.017	0.17	0.014	0.14						
9577	33	120	80	0.018	0.18	0.015	0.15						
8478	33	110	80	0.020	0.21	0.016	0.17						
7748	33	90	90	0.022	0.23	0.018	0.19						
6331	33	80	80	0.026	0.28	0.022	0.23						
5427	33	80	70	0.031	0.32	0.026	0.27						
4219	33	90	45	0.040	0.41	0.033	0.34						
3133	33	90	35	0.054	0.56	0.044	0.46						
2716	33	80	35	0.062	0.64	0.051	0.53						
2383	33	70	35	0.070	0.73	0.058	0.61						
2254	32	120	20	0.073	0.78	0.060	0.64						
1995	32	110	20	0.082	0.88	0.068	0.73						
1837	32	70	25	0.089	0.95	0.074	0.79						
1600	32	110	15	0.103	1.09	0.085	0.91						
1510	32	55	25	0.109	1.16	0.090	0.96						
1301	32	50	25	0.126	1.35	0.105	1.11						
1216	32	45	25	0.135	1.44	0.112	1.19						
1124	32	110	10	0.146	1.56	0.121	1.29						
1049	32	70	15	0.157	1.67	0.130	1.38						
918	32	70	13	0.179	1.91	0.148	1.58						
858	32	35	25	0.191	2.04	0.159	1.69						
743	32	50	15	0.221	2.36	0.183	1.95						
655	32	25	25	0.251	2.67	0.208	2.21						
518	32	40	13	0.317	3.38	0.263	2.80						
429	32	35	13	0.383	4.08	0.317	3.38						
375	22	20	20	0.429	4.67	0.356	3.87						
301	22	20	15	0.535	5.81	0.443	4.82						
259	22	25	10	0.622	6.76	0.515	5.60						
208	22	15	13	0.774	8.41	0.641	6.97						
181	22	7	25	0.889	9.67	0.737	8.01						
167	22	15	10	0.964	10.48	0.799	8.68						
134	22	13	10	1.201	13.06	0.995	10.82						
124	22	15	8	1.298	14.11	1.076	11.69						

可搭配之標準IEC框號
Selection table of IEC standard motor



齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

實際速比 Actual ratio	配置方式 Stage Table			1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1			
	段式 Stage	公稱速比 Nominal ratio		實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準 IEC 框號 Selection table of IEC standard motor			
		37-77	37							77	63	71	80
13927	33	120	120	0.015	0.13	0.013	0.10	78.57	837				
12711	33	120	110	0.017	0.14	0.014	0.11						
11253	33	110	110	0.019	0.16	0.016	0.13						
10749	33	110	100	0.020	0.16	0.017	0.13						
9764	33	100	100	0.022	0.18	0.018	0.15						
8911	33	100	90	0.024	0.20	0.020	0.16						
7641	33	100	80	0.028	0.23	0.023	0.19						
6823	33	100	70	0.032	0.26	0.026	0.21						
5610	33	80	70	0.038	0.31	0.032	0.26						
4922	33	70	70	0.044	0.36	0.036	0.29						
4067	33	90	45	0.053	0.43	0.044	0.36						
3608	33	110	35	0.060	0.49	0.049	0.40						
3236	33	80	40	0.066	0.54	0.055	0.45						
3027	33	55	55	0.071	0.58	0.059	0.48						
2694	33	80	35	0.080	0.65	0.066	0.54						
2376	33	90	25	0.091	0.74	0.075	0.61						
2200	32	90	25	0.096	0.80	0.079	0.66						
1848	32	80	23	0.114	0.95	0.095	0.78						
1622	32	70	23	0.130	1.08	0.108	0.89						
1397	32	60	23	0.151	1.25	0.125	1.04						
1238	32	90	13	0.170	1.41	0.141	1.17						
1108	32	45	25	0.190	1.58	0.158	1.31						
1073	32	80	13	0.196	1.63	0.163	1.35						
911	32	90	10	0.231	1.92	0.192	1.59						
812	32	60	13	0.260	2.16	0.215	1.79						
667	32	50	13	0.316	2.62	0.262	2.17						
597	32	25	25	0.353	2.93	0.293	2.43						
462	32	70	7	0.457	3.79	0.378	3.14						
409	32	30	13	0.515	4.28	0.427	3.55						
336	22	25	13	0.615	5.21	0.510	4.32						
284	22	20	13	0.728	6.16	0.603	5.11						
213	22	15	13	0.970	8.22	0.804	6.81						
172	22	13	13	1.201	10.17	0.995	8.43						
157	22	15	10	1.316	11.15	1.090	9.24						
126	22	13	10	1.640	13.89	1.359	11.51						

可搭配之標準 IEC 框號
Selection table of IEC standard motor

實際速比 Actual ratio	配置方式 Stage Table			1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1							
	段式 Stage	公稱速比 Nominal ratio		實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準 IEC 框號 Selection table of IEC standard motor							
		47-87	47							87	63	71	80	90	100	112	
14084	33	120	120	0.031	0.124	0.025	0.103	158.16	1939								
12885	33	120	110	0.034	0.136	0.028	0.113										
12006	33	100	120	0.036	0.146	0.030	0.121										
11074	33	120	90	0.039	0.158	0.032	0.131										
10319	33	100	100	0.042	0.170	0.035	0.141										
9033	33	80	110	0.048	0.194	0.040	0.161										
8203	33	100	80	0.053	0.213	0.044	0.177										
7304	33	90	80	0.059	0.240	0.049	0.199										
6137	33	110	55	0.071	0.285	0.058	0.236										
5301	33	50	110	0.082	0.330	0.068	0.274										
4816	33	60	80	0.090	0.363	0.075	0.301										
4209	33	40	110	0.103	0.416	0.085	0.345										
3729	33	60	60	0.116	0.469	0.096	0.389										
3267	33	35	90	0.133	0.536	0.110	0.444										
2855	33	50	55	0.152	0.613	0.126	0.508										
2507	33	55	45	0.173	0.698	0.143	0.578										
2231	33	50	45	0.194	0.784	0.161	0.650										
2083	32	90	23	0.204	0.840	0.169	0.696										
1923	32	80	23	0.221	0.910	0.183	0.754										
1656	32	90	18	0.256	1.057	0.212	0.876										
1529	32	80	18	0.278	1.145	0.230	0.948										
1434	32	70	20	0.296	1.221	0.245	1.011										
1373	32	60	23	0.309	1.274	0.256	1.056										
1268	32	55	23	0.335	1.380	0.277	1.143										
1129	32	50	23	0.376	1.551	0.312	1.285										
1008	32	55	18	0.421	1.736	0.349	1.438										
920	32	60	15	0.461	1.903	0.382	1.576										
809	32	35	23	0.524	2.162	0.435	1.792										
695	32	30	23	0.611	2.519	0.506	2.087										
604	32	30	20	0.703	2.899	0.583	2.402										
509	32	20	23	0.834	3.438	0.691	2.849										
419	22	18	23	0.992	4.173	0.822	3.458										
333	22	18	18	1.248	5.249	1.034	4.350										
259	22	15	18	1.606	6.757	1.331	5.598										
190	22	18	10	2.183	9.187	1.809	7.612										
148	22	15	10	2.810	11.824	2.328	9.797										
123	22	7	18	3.377	14.208	2.798	11.772										

可搭配之標準 IEC 框號
Selection table of IEC standard motor



齒輪型 | 許可輸入馬力及輸出扭力矩一覽表

每日8-10小時連續運轉並在平均負荷

Applies for continuous service free from recurrent shock loading and does not exceed 10 hours per day.

SIZE:47-97型																							
實際速比 Actual ratio	配置方式 Stage Table			1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1													
	段式 Stage	公稱速比 Nominal ratio		實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準 IEC 框號 Selection table of IEC standard motor													
		47-97	47							97	63	71	80	90	100	112							
13875	33	120	120	0.060	0.13	0.0501	0.10	306.12	2296														
12270	33	110	120	0.068	0.14	0.0566	0.12																
10820	33	110	100	0.077	0.16	0.0642	0.13																
9798	33	120	80	0.086	0.18	0.0709	0.15																
8345	33	70	120	0.100	0.21	0.0832	0.17																
7311	33	120	60	0.115	0.24	0.0950	0.20																
6413	33	55	120	0.131	0.27	0.1083	0.23																
5891	33	110	55	0.142	0.30	0.1179	0.25																
5106	33	110	50	0.164	0.34	0.1360	0.28																
4583	33	100	45	0.183	0.38	0.1516	0.32																
4081	33	90	45	0.205	0.43	0.1702	0.36																
3472	33	70	50	0.241	0.50	0.2000	0.42																
3010	33	80	35	0.279	0.58	0.2308	0.48																
2485	33	55	45	0.337	0.70	0.2795	0.58																
2013	32	120	17	0.408	0.87	0.3381	0.72																
1834	32	120	15	0.448	0.95	0.3711	0.79																
1622	32	110	15	0.506	1.08	0.4196	0.89																
1422	32	110	13	0.578	1.23	0.4787	1.02																
1211	32	70	17	0.678	1.45	0.5621	1.20																
1008	32	60	17	0.815	1.74	0.6755	1.44																
930	32	55	17	0.883	1.88	0.7315	1.56																
848	32	55	15	0.969	2.06	0.8029	1.71																
755	32	50	15	1.089	2.32	0.9020	1.92																
661	32	50	13	1.242	2.65	1.0290	2.19																
594	32	35	17	1.383	2.95	1.1461	2.44																
510	32	30	17	1.611	3.43	1.3352	2.84																
422	22	18	23	1.909	4.15	1.5815	3.44																
384	22	18	20	2.095	4.55	1.7359	3.77																
328	22	15	23	2.457	5.34	2.0356	4.43																
280	22	18	15	2.872	6.24	2.3793	5.17																
218	22	15	15	3.696	8.03	3.0624	6.66																
179	22	18	10	4.497	9.78	3.7264	8.10																
139	22	15	10	5.789	12.58	4.7964	10.43																

可搭配之標準 IEC 框號
Selection table of IEC standard motor

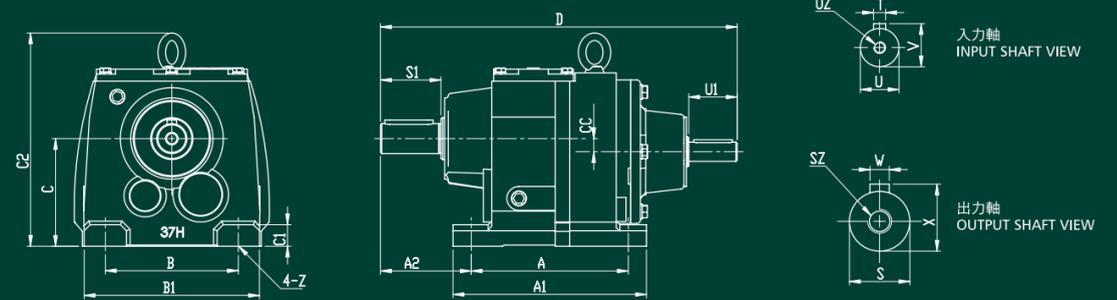
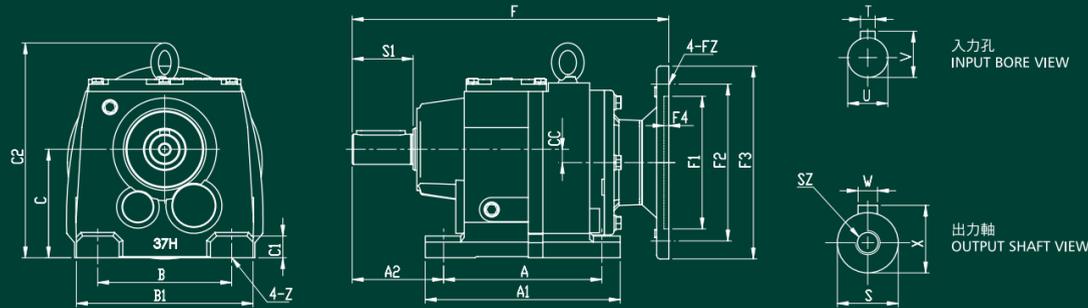
SIZE:77-107型																							
實際速比 Actual ratio	配置方式 Stage Table			1750 入力 Input rpm		1450 入力 Input rpm		最大出力扭矩 Max Output Torque kgm	超吊荷重 OHL kg	操作係數 Service Factor:1													
	段式 Stage	公稱速比 Nominal ratio		實際許可馬力 Available input HP	出力轉速 Output rpm	實際許可馬力 Available input HP	出力轉速 Output rpm			可搭配之標準 IEC 框號 Selection table of IEC standard motor													
		77-107	77							107	80	90	100	112	132								
13412	33	120	120	0.08	0.13	0.07	0.11	390	2699														
12242	33	110	120	0.09	0.14	0.07	0.12																
11315	33	110	110	0.09	0.15	0.08	0.13																
10044	33	120	90	0.11	0.17	0.09	0.14																
9167	33	110	90	0.12	0.19	0.10	0.16																
8094	33	100	80	0.13	0.22	0.11	0.18																
7235	33	110	70	0.15	0.24	0.12	0.20																
6667	33	110	60	0.16	0.26	0.13	0.22																
5812	33	90	60	0.18	0.30	0.15	0.25																
5041	33	60	80	0.21	0.35	0.18	0.29																
4577	33	55	90	0.23	0.38	0.19	0.32																
4017	33	50	80	0.27	0.44	0.22	0.36																
3554	33	45	80	0.30	0.49	0.25	0.41																
2939	33	35	90	0.36	0.60	0.30	0.49																
2388	33	45	50	0.45	0.73	0.37	0.61																
2016	23	23	90	0.52	0.87	0.43	0.72																
1840	23	20	90	0.57	0.95	0.47	0.79																
1591	23	23	70	0.66	1.10	0.54	0.91																
1252	23	23	55	0.84	1.40	0.69	1.16																
1085	32	45	25	0.96	1.61	0.80	1.34																
968	32	45	20	1.08	1.81	0.90	1.50																
829	32	35	25	1.26	2.11	1.05	1.75																
740	32	35	20	1.41	2.37	1.17	1.96																
634	32	25	25	1.65	2.76	1.37	2.29																
565	32	25	20	1.85	3.10	1.53	2.57																
496	32	20	25	2.11	3.53	1.75	2.92																
442	32	20	20	2.37	3.96	1.96	3.28																
306	22	20	15	3.35	5.72	2.78	4.74																
243	22	23	10	4.22	7.20	3.50	5.97																
195	22	13	15	5.27	8.99	4.37	7.45																
143	22	10	15	7.16	12.22	5.94	10.13																

可搭配之標準 IEC 框號
Selection table of IEC standard motor



型式 MODEL / MHF 外型尺寸

型式 MODEL / MHD 外型尺寸



MHF	A	A1	A2	B	B1	C	C1	C2	CC	Z	出力軸 OUTPUT SHAFT					
											S	S1	W	X	SZ	Oil (l)
17	110	131	58	110	135	75	12	135	6.5	9	20k6	40	6	22.5	M6*15L	0.24
37	130	160	75	110	145	90	18	178	11	9	25k6	50	8	28	M10*20L	0.3
47	165	195	90	135	170	115	24	217	13.5	14	30k6	60	8	33	M10*20L	0.7
67	195	235	100	150	210	130	30	249	17	14	35k6	70	10	38	M12*24L	1.1
77	205	245	115	170	230	140	30	266	16	18	40k6	80	12	43	M16*32L	1.2
87	260	310	140	215	290	180	45	335	18	18	50k6	100	14	53.5	M16*32L	2.3
97	310	365	160	250	340	225	55	416	20	22	60m6	120	18	64	M20*40L	4.6
107	370	440	185	290	400	250	65	465	23	26	70m6	140	20	74.5	M20*40L	6
137	410	490	220	340	450	315	70	550	35	33	90m6	170	25	95	M24*48L	10
147	500	590	215	380	530	355	80	634	52	39	110m6	210	28	116	M24*48L	15.4

MHD	A	A1	A2	B	B1	C	C1	C2	CC	Z	出力軸 OUTPUT SHAFT					
											S	S1	W	X	SZ	Oil (l)
17	110	131	58	110	135	75	12	135	6.5	9	20k6	40	6	22.5	M6*15L	0.24
37	130	160	75	110	145	90	18	178	11	9	25k6	50	8	28	M10*20L	0.3
47	165	195	90	135	170	115	24	217	13.5	14	30k6	60	8	33	M10*20L	0.7
67	195	235	100	150	210	130	30	249	17	14	35k6	70	10	38	M12*24L	1.1
77	205	245	115	170	230	140	30	266	16	18	40k6	80	12	43	M16*32L	1.2
87	260	310	140	215	290	180	45	335	18	18	50k6	100	14	53.5	M16*32L	2.3
97	310	365	160	250	340	225	55	416	20	22	60m6	120	18	64	M20*40L	4.6
107	370	440	185	290	400	250	65	465	23	26	70m6	140	20	74.5	M20*40L	6
137	410	490	220	340	450	315	70	550	35	33	90m6	170	25	95	M24*48L	10

MHF	入力法蘭 MOUNTING FLANGE										
17	HP	1/8 (B14)	1/4 (B14)	1/2 (B14)	1 (B14)						
	F	212.5	227								
37	HP	1/4	1/2	1	2						
	F	260	278								
47	HP	1/2	1	2	3	5					
	F	287.5	305.5	322							
67	HP	1/2	1	2	3	5					
	F	325.5	343.5	360							
77	HP	1	2	3	5	7.5	10				
	F	361.5	378	426.5							
87	HP	2	3	5	7.5	10	15				
	F	421.5	438	486.5	522.5						
97	HP	5	7.5	10	15	20	25	30	40		
	F	502	546.5	582.5	591.5						
107	HP	7.5	10	15	20	25	30	40	50	60	
	F	592	628	637	668						
137	HP	15	20	25	30	40	50	60	75		
	F	713	721	752	769						
147	HP	15	20	25	30	40	50	60	75	100	125
	F	812.5	820.5	855.5	872.5	910.5					

HP	入力孔 INPUT BORE					入力法蘭 MOUNTING FLANGE				
	U	V	T	F1	F2	F3	F4	FZ		
1/8 (B14)	11	13.3	5	60	75	90	3.5	φ6		
1/4 (B14)	14	16.3	5	70	85	105	3.5	φ7		
1/2 (B14)	19	21.8	6	80	100	120	4	φ7		
1 (B14)	11	12.8	4	110	130	160	4	M8		
1/4	11	12.8	4	110	130	160	4	M8		
1/2	14	16.3	5							
1	19	21.8	6	130	165	200	5	M10		
2	24	27.3	8							
3	28	31.3	8	180	215	250	5	M12		
5										
7.5	38	41.3	10	230	265	300	6	M12		
10										
15	42	45.3	12	250	300	350	6	M16		
20										
25	48	51.8	14	300	350	400	6	M16		
30										
40	55	59.3	16							
50	60	64.4	18	350	400	450	6	M16		
60										
75	65	69.4	18	450	500	550	6	M16		
100										
125	75	79.95	20	450	500	550	6	M16		

MHD	入力軸 INPUT SHAFT				
	U	V	T	U1	UZ
17	U	16			
	D	255			
37	U	16	19		
	D	295	297.5		
47	U	16	19	24	
	D	322.5	325	335	
67	U	19	24		
	D	388.5	398.5		
77	U	19	24	38	
	D	405.5	416.5	479.5	
87	U	19	28	38	42
	D	465.5	486.5	539.5	612.5
97	U	28	38	42	48
	D	550.5	599.5	672.5	677.5
107	U	38	42	48	55
	D	645	718	723	747
137	U	42	48	48	55
	D	803	807	831	849

入力軸 INPUT SHAFT				
U	V	T	U1	UZ
16k6	18	5	40	M5*10L
19k6	21.5	6	40	M6*12L
24k6	27	8	50	M8*16L
28k6	31	8	60	M8*16L
38k6	41	10	80	M12*24L
42k6	45	12	110	M16*32L
48k6	51.5	14	110	M16*32L
55m6	59	16	110	M20*40L

註: 1. 馬力及型號選定, 請參考P31.
2. 減速機重量請參考P30.
3. 輸入馬力及輸出扭力矩請參考P32-P45.

REMARK: 1 SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

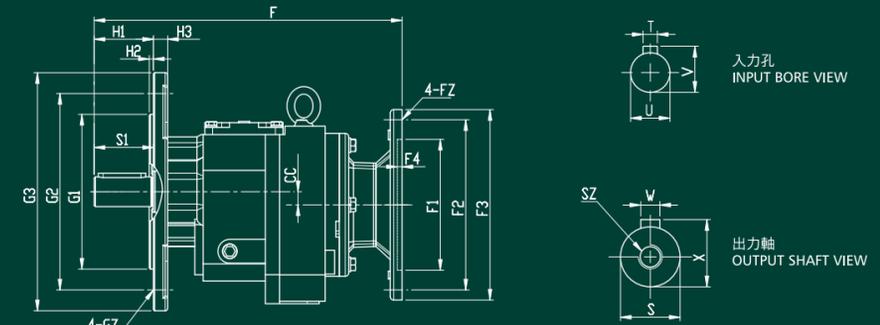
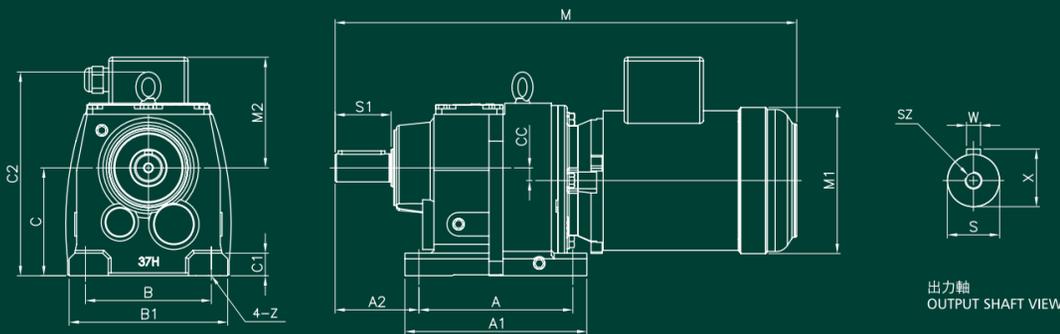
註: 1. 19*, 請參考P34.
2. 入力軸選用請參考P32-P45.
3. 減速機重量請參考P30.
4. 輸入馬力及輸出扭力矩請參考P32-P45.

REMARK: 1 19*, PLEASE REFER TO P.34 Unit:mm
2 SELECTION TABLE OF INPUT SHAFT, PLEASE REFER TO P.32-45
3 WEIGHT, PLEASE REFER TO P.30
4 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



型式 MODEL / MHM 外型尺寸

型式 MODEL / MVF.MWF 外型尺寸



MHM	A	A1	A2	B	B1	C	C1	C2	CC	Z	出力軸 OUTPUT SHAFT					Oil (l)
											S	S1	W	X	SZ	
17	110	131	58	110	135	75	12	135	6.5	9	20k6	40	6	22.5	M6*15L	0.24
37	130	160	75	110	145	90	18	178	11	9	25k6	50	8	28	M10*20L	0.3
47	165	195	90	135	170	115	24	217	13.5	14	30k6	60	8	33	M10*20L	0.7
67	195	235	100	150	210	130	30	249	17	14	35k6	70	10	38	M12*24L	1.1
77	205	245	115	170	230	140	30	266	16	18	40k6	80	12	43	M16*32L	1.2
87	260	310	140	215	290	180	45	335	18	18	50k6	100	14	53.5	M16*32L	2.3
97	310	365	160	250	340	225	55	416	20	22	60m6	120	18	64	M20*40L	4.6
107	370	440	185	290	400	250	65	465	23	26	70m6	140	20	74.5	M20*40L	6
137	410	490	220	340	450	315	70	550	35	33	90m6	170	25	95	M24*48L	10

MHM	馬達尺寸 MOTOR DIMENSION									
	HP	1/8 (B14)	1/4 (B14)	1/2 (B14)	1 (B14)					
17	M			387.5						
37	HP	1/4	1/2	1	2					
	M	438.5	454.5	516	561.5					
47	HP	1/4	1/2	1	2	3	5			
	M	464	480	541.5	587	635	647			
67	HP	1/2	1	2	3	5				
	M	520	581.5	627	675	687				
77	HP	1	2	3	5	7.5				
	M	599.5	645	693	705	743.5				
87	HP	2	3	5	7.5	10	15			
	M	714.5	753	765	803.5	841.5	922			
97	HP	3	5	7.5	10	15	20	25	30	
	M	817	829	863.5	901.5	982	1026	1047.5		
107	HP	7.5	10	15	20	25	30	40	50	60
	M	909	947	1027.5	1071.5	1093	1131	1208		
137	HP	15	20	25	30	40	50	60		
	M	1111.5	1155.5		1177	1215		1292		

馬達尺寸 MOTOR DIMENSION	HP	
	M1	M2
1/8 (B14)		
1/4 (B14)		
1/2 (B14)	136	109.5
1 (B14)		
1/4	120	97
1/2	136	105
1	160	116
2	176	128
3	198	135.5
5	220	153.5
7.5		
10	258	168.5
15		
20	434	268
25		
30	482	285
40		
50	572	339
60		

MVF / MWF	G1	G2	G3	GZ	H1	H2	H3	CC	出力軸 OUTPUT SHAFT					Oil (l)	
									S	S1	W	X	SZ		
17	MVF	80h7	100	120	7	40	3	8	6.5	20k6	40	6	22.5	M6*15L	0.3
37	MVF	130h7	165	200	11	50	3.5	12	11	25k6	50	8	28	M10*20L	1.05
	MWF	110h7	130	160	9		3.5	10							
47	MVF	130h7	165	200	11	60	3.5	12	13.5	30k6	60	8	33	M10*20L	1.65
	MWF	110h7	130	160	9		3.5	10							
67	MVF	180h7	215	250	13.5	70	4	15	17	35k6	70	10	38	M12*24L	3.6
	MWF	130h7	165	200	11		3.5	12							
77	MVF	230h7	265	300	14	80	4	21	16	40k6	80	12	43	M16*32L	4.1
	MWF	180h7	215	250	14		4	19							
87	MVF	250h7	300	350	18	100	5	21	18	50k6	100	14	53.5	M16*32L	7.7
	MWF	230h7	265	300	14		4	19							
97	MVF	350h7	400	450	18	120	5	25	20	60m6	120	18	64	M20*40L	14
	MWF	250h7	300	350	18		5	21							
107	MVF	350h7	400	450	18	140	5	25	23	70m6	140	20	74.5	M20*40L	19.2
	MWF	250h7	300	350	18		5	20							
137	MVF	450h7	500	550	18	170	5	28	35	90m6	170	25	95	M24*48L	32.5
	MWF	350h7	400	450	18		5	25							
147	MVF	450h7	500	550	18	210	5	28	52	110m6	210	28	116	M24*48L	52
	MWF	350h7	400	450	18		5	22							

MVF / MWF	入力法蘭 MOUNTING FLANGE										
	HP	1/8 (B14)	1/4 (B14)	1/2 (B14)	1 (B14)						
17	F	212.5		227							
37	HP	1/4	1/2	1	2						
	F	260		278							
47	HP	1/2	1	2	3	5					
	F	287.5	305.5	322							
67	HP	1/2	1	2	3	5					
	F	325.5	343.5	360							
77	HP	1	2	3	5	7.5	10				
	F	361.5		378	426.5						
87	HP	2	3	5	7.5	10	15				
	F	421.5	438	486.5	522.5						
97	HP	5	7.5	10	15	20	25	30	40		
	F	502	546.5	582.5		591.5					
107	HP	7.5	10	15	20	25	30	40	50	60	
	F	592		628	637	668					
137	HP	15	20	25	30	40	50	60	75		
	F	713		721	752	769					
147	HP	15	20	25	30	40	50	60	75	100	125
	F	812.5		820.5	855.5	872.5	910.5				

入力孔 INPUT BORE	入力法蘭 MOUNTING FLANGE								
	HP	U	V	T	F1	F2	F3	F4	FZ
1/8 (B14)	11	13.3	5	60	75	90	3.5		用6
1/4 (B14)	14	16.3	5	70	85	105	3.5		用7
1/2 (B14)	19	21.8	6	80	100	120	4		用7
1 (B14)	11	12.8	4						
1/4	14	16.3	5	110	130	160	4		M8
1/2	19	21.8	6						
1	24	27.3	8	130	165	200	5		M10
3	28	31.3	8	180	215	250	5		M12
5	38	41.3	10	230	265	300	6		M12
7.5	42	45.3	12	250	300	350	6		M16
10	48	51.8	14	300	350	400	6		M16
15	55	59.3	16						
20	60	64.4	18	350	400	450	6		M16
25	65	69.4	18	450	500	550	6		M16
30	75	79.95	20	450	500	550	6		M16
40									
50									
60									
75									
100									
125									

註: 1. 馬力及型號選定, 請參考PSQ.
2. 減速機重量請參考PSP.
3. 輸入馬力及輸出扭力矩請參考pSR-pTU.

REMARK ① SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

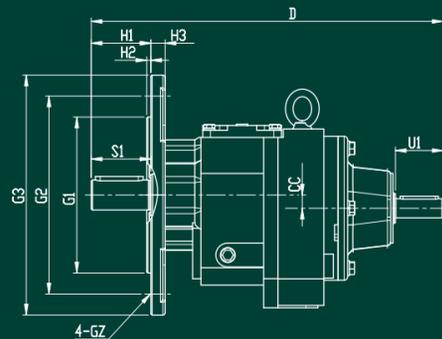
註: 1. 馬力及型號選定, 請參考PSQ.
2. 減速機重量請參考PSP.
3. 輸入馬力及輸出扭力矩請參考pSR-pTU.

REMARK ① SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



型式 MODEL / MVD.MWD 外型尺寸

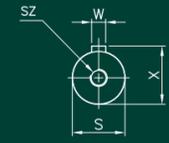
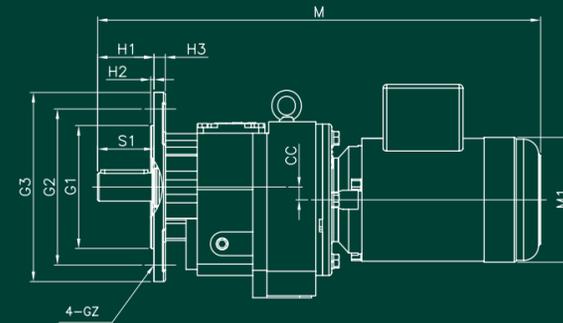
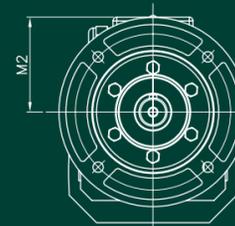
型式 MODEL / MVM.MWM 外型尺寸



入力軸 INPUT SHAFT VIEW



出力軸 OUTPUT SHAFT VIEW



出力軸 OUTPUT SHAFT VIEW

MVD / MWD		G1	G2	G3	GZ	H1	H2	H3	CC	出力軸 OUTPUT SHAFT					
										S	S1	W	X	SZ	Oil (l)
17	MVD	80h7	100	120	7	40	3	8	6.5	20k6	40	6	22.5	M6*15L	0.3
37	MVD	130h7	165	200	11	50	3.5	12	11	25k6	50	8	28	M10*20L	1.05
	MWD	110h7	130	160	9		3.5	10							
47	MVD	130h7	165	200	11	60	3.5	12	13.5	30k6	60	8	33	M10*20L	1.65
	MWD	110h7	130	160	9		3.5	10							
67	MVD	180h7	215	250	13.5	70	4	15	17	35k6	70	10	38	M12*24L	3.6
	MWD	130h7	165	200	11		3.5	12							
77	MVD	230h7	265	300	14	80	4	21	16	40k6	80	12	43	M16*32L	4.1
	MWD	180h7	215	250	14		4	19							
87	MVD	250h7	300	350	18	100	5	21	18	50k6	100	14	53.5	M16*32L	7.7
	MWD	230h7	265	300	14		4	19							
97	MVD	350h7	400	450	18	120	5	25	20	60m6	120	18	64	M20*40L	14
	MWD	250h7	300	350	18		5	21							
107	MVD	350h7	400	450	18	140	5	25	23	70m6	140	20	74.5	M20*40L	19.2
	MWD	250h7	300	350	18		5	20							
137	MVD	450h7	500	550	18	170	5	28	35	90m6	170	25	95	M24*48L	32.5
	MWD	350h7	400	450	18		5	25							

MVD/MWD	入力軸 INPUT SHAFT				
17	U	16			
	D	255			
37	U	16	19		
	D	295	297.5		
47	U	16	19	24	
	D	322.5	325	335	
67	U	19	24		
	D	388.5	398.5		
77	U	19	24	38	
	D	405.5	416.5	479.5	
87	U	19	28	38	42
	D	465.5	486.5	539.5	612.5
97	U	28	38	42	48
	D	550.5	599.5	672.5	677.5
107	U	38	42	48	55
	D	645	718	723	747
137	U	42	48	38	42
	D	803	807	48	55

入力軸 INPUT SHAFT				
U	V	T	U1	UZ
16k6	18	5	40	M5*10L
19k6	21.5	6	40	M6*12L
24k6	27	8	50	M8*16L
28k6	31	8	60	M8*16L
38k6	41	10	80	M12*24L
42k6	45	12	110	M16*32L
48k6	51.5	14	110	M16*32L
55m6	59	16	110	M20*40L

Unit:mm
REMARK : 1 19*, PLEASE REFER TO P.34
2 SELECTION TABLE OF INPUT SHAFT, PLEASE REFER TO P.32-45
3 WEIGHT, PLEASE REFER TO P.30
4 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

MVM / MWM		G1	G2	G3	GZ	H1	H2	H3	CC	出力軸 OUTPUT SHAFT					
										S	S1	W	X	SZ	Oil (l)
17	MVM	80h7	100	120	7	40	3	8	6.5	20k6	40	6	22.5	M6*15L	0.3
37	MVM	130h7	165	200	11	50	3.5	12	11	25k6	50	8	28	M10*20L	1.05
	MWM	110h7	130	160	9		3.5	10							
47	MVM	130h7	165	200	11	60	3.5	12	13.5	30k6	60	8	33	M10*20L	1.65
	MWM	110h7	130	160	9		3.5	10							
67	MVM	180h7	215	250	13.5	70	4	15	17	35k6	70	10	38	M12*24L	3.6
	MWM	130h7	165	200	11		3.5	12							
77	MVM	230h7	265	300	14	80	4	21	16	40k6	80	12	43	M16*32L	4.1
	MWM	180h7	215	250	14		4	19							
87	MVM	250h7	300	350	18	100	5	21	18	50k6	100	14	53.5	M16*32L	7.7
	MWM	230h7	265	300	14		4	19							
97	MVM	350h7	400	450	18	120	5	25	20	60m6	120	18	64	M20*40L	14
	MWM	250h7	300	350	18		5	21							
107	MVM	350h7	400	450	18	140	5	25	23	70m6	140	20	74.5	M20*40L	19.2
	MWM	250h7	300	350	18		5	20							
137	MVM	450h7	500	550	18	170	5	28	35	90m6	170	25	95	M24*48L	32.5
	MWM	350h7	400	450	18		5	25							

MVM/MWM	HP	馬達尺寸 MOTOR DIMENSION							
		1/8 (B14)	1/4 (B14)	1/2 (B14)	1 (B14)				
17	M			387.5					
	HP	1/4	1/2	1	2				
37	M	438.5	454.5	516	561.5				
	HP	1/4	1/2	1	2				
47	M	464	480	541.5	587	635	647		
	HP	1/2	1	2	3	5			
67	M	520	581.5	627	675	687			
	HP	1	2	3	5	7.5			
77	M	599.5	645	693	705	743.5			
	HP	2	3	5	7.5	10	15		
87	M	714.5	753	765	803.5	841.5	922		
	HP	3	5	7.5	10	15	20	25	30
97	M	817	829	863.5	901.5	982	1026	1047.5	
	HP	7.5	10	15	20	25	30	40	50
107	M	909	947	1027.5	1071.5	1093	1131	1208	
	HP	15	20	25	30	40	50	60	
137	M	1111.5	1155.5	1177	1215	1292			

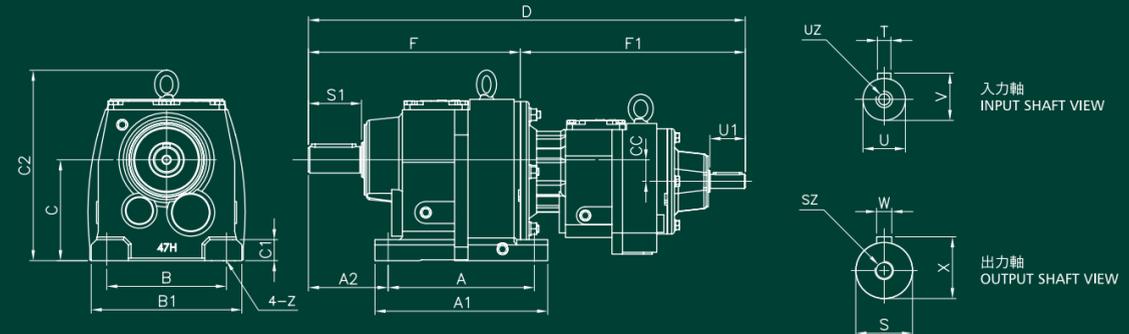
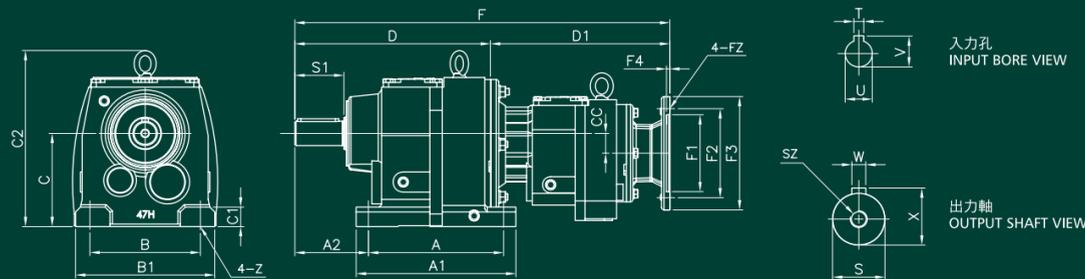
馬達尺寸 MOTOR DIMENSION	HP	
	M1	M2
1/8 (B14)		
1/4 (B14)		
1/2 (B14)	136	109.5
1 (B14)		
1/4	120	97
1/2	136	105
1	160	116
2	176	128
3	198	135.5
5	220	153.5
7.5		
10	258	168.5
15		
20	434	268
25		
30	482	285
40		
50		
60	572	339

Unit:mm
REMARK : 1 SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



型式 MODEL / MNF 外型尺寸

型式 MODEL / MND 外型尺寸



MNF	A	A1	A2	B	B1	C	C1	C2	CC	D	Z	出力軸 OUTPUT SHAFT					
												S	S1	W	X	SZ	Oil (l)
37-47	165	195	90	135	170	115	24	217	24.5	239	14	30k6	60	8	33	M10*20L	1
37-67	195	235	100	150	210	130	30	249	28	279	14	35k6	70	10	38	M12*24L	1.4
37-77	205	245	115	170	230	140	30	266	27	302.5	18	40k6	80	12	43	M16*32L	1.5
47-87	260	310	140	215	290	180	45	335	31.5	372	18	50k6	100	14	53.5	M16*32L	3
47-97	310	365	160	250	340	225	55	416	37.5	440	22	60m6	120	18	64	M20*40L	5.3
77-107	370	440	185	290	400	250	65	465	39	495	26	70m6	140	20	74.5	M20*40L	7.2
77-137	410	490	220	340	450	315	70	550	51	590	33	90m6	170	25	95	M24*48L	11.2
87-147	500	590	260	380	530	355	80	634	70	697.5	39	110m6	210	28	116	M24*48L	17.7

MND	A	A1	A2	B	B1	C	C1	C2	CC	F	F1	Z	出力軸 OUTPUT SHAFT					
													S	S1	W	X	SZ	Oil (l)
37-47	165	195	90	135	170	115	24	217	24.5	239	166	14	30k6	60	8	33	M10*20L	1
37-67	195	235	100	150	210	130	30	249	28	279	164	14	35k6	70	10	38	M12*24L	1.4
37-77	205	245	115	170	230	140	30	266	27	302.5	158.5	18	40k6	80	12	43	M16*32L	1.5
47-87	260	310	140	215	290	180	45	335	31.5	372	193	18	50k6	100	14	53.5	M16*32L	3
47-97	310	365	160	250	340	225	55	416	37.5	440	185	22	60m6	120	18	64	M20*40L	5.3
77-107	370	440	185	290	400	250	65	465	39	495	239.5	26	70m6	140	20	74.5	M20*40L	7.2
77-137	410	490	220	340	450	315	70	550	51	590	228.5	33	90m6	170	25	95	M24*48L	11.2
87-147	500	590	260	380	530	355	80	634	70	697.5	278	39	110m6	210	28	116	M24*48L	17.7

MNF	入力法蘭 MOUNTING FLANGE			
37-47	HP	1/4	1/2	1 2
	F	458	476	
	D1	219	237	
37-67	HP	1/4	1/2	1 2
	F	496	514	
	D1	217	235	
37-77	HP	1/4	1/2	1 2
	F	494	532	
	D1	191.5	229.5	
47-87	HP	1/4	1/2	1 2 3 5
	F	613.5	631.5	648
	D1	241.5	259.5	276
47-97	HP	1/4	1/2	1 2 3 5
	F	673.5	691.5	708
	D1	233.5	251.5	268
77-107	HP	1	2 3 5	7.5 10
	F	793.5	810	858.5
	D1	298.5	315	363.5
77-137	HP	1	2 3 5	7.5 10
	F	877.5	894	942.5
	D1	287.5	304	352.5
87-147	HP	2	3 5 7.5 10 15	
	F	1025	1041.5	1090 1126
	D1	327.5	344	392.5 428.5

入力孔 INPUT BORE				入力法蘭 MOUNTING FLANGE				
HP	U	V	T	F1	F2	F3	F4	FZ
1/4	11	12.8	4	110	130	160	4	M8
1/2	14	16.3	5					
1	19	21.8	6	130	165	200	5	M10
2	24	27.3	8					
3	28	31.3	8	180	215	250	5	M12
5	28	31.3	8					
7.5	38	41.3	10					
10	38	41.3	10	230	265	300	6	M12
15	42	45.3	12	250	300	350	6	M16

MND	入力軸 INPUT SHAFT			
37-47	U	16	19	
	D	493	496.5	
	D1	88	90.5	
37-67	U	16	19	
	D	531	534.5	
	D1	88	90.5	
37-77	U	16	19	
	D	548.5	551.5	
	D1	88	90.5	
47-87	U	16	19	24
	D	648.5	651	661
	D1	83.5	86	96
47-97	U	16	19	24
	D	708.5	711	721
	D1	83.5	86	96
77-107	U	19	24	38
	D	840.5	848.5	911.5
	D1	106	114	177
77-137	U	19	24	38
	D	696	704	767
	D1	106	114	177
87-147	U	19	28	38 42
	D	1072	1090	1143 1216
	D1	965	114.5	167.5 240.5

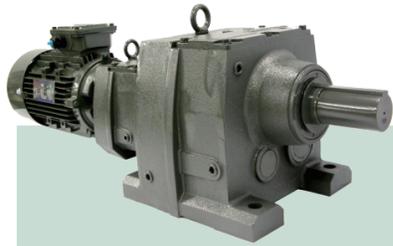
入力軸 INPUT SHAFT				
U	V	T	U1	UZ
16k6	18	5	40	M5*10L
19k6	21.5	6	40	M6*12L
24k6	27	8	50	M8*16L
28k6	31	8	60	M8*16L
38k6	41	10	80	M12*24L
42k6	45	12	110	M16*32L

註: 1. 馬力及型號選定, 請參考P31.
2. 減速機重量請參考P30.
3. 輸入馬力及輸出扭力矩請參考P32-P45.

REMARK : 1 SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

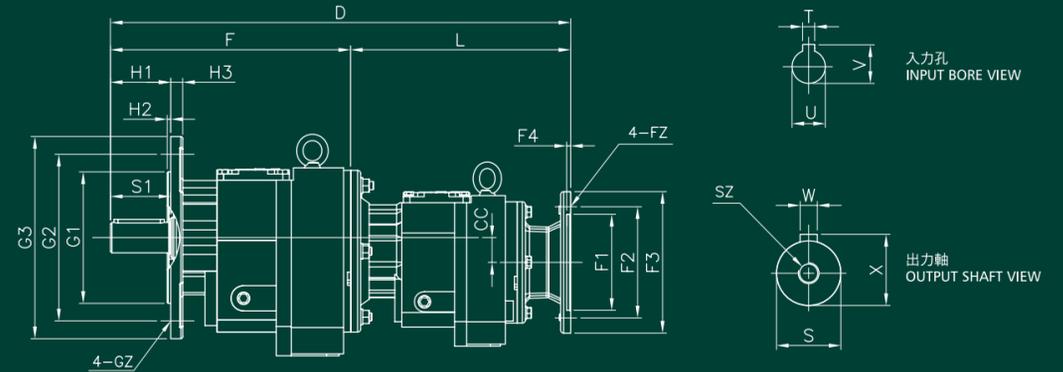
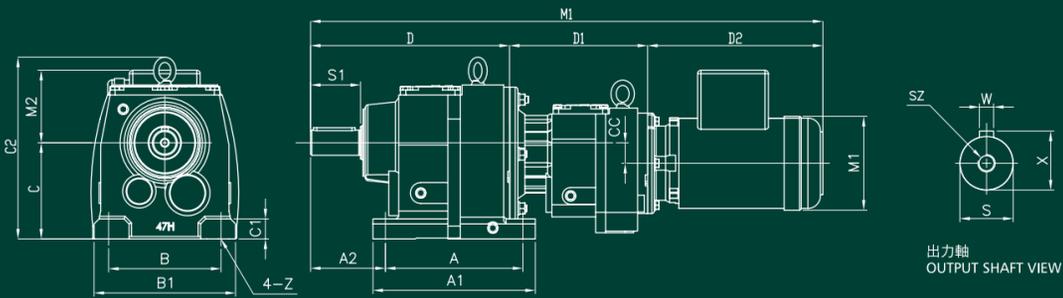
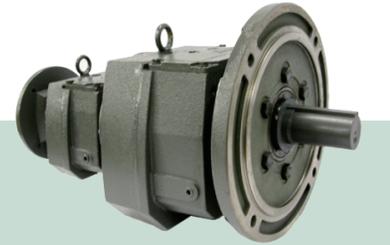
註: 1. 19*, 請參考P34.
2. 入力軸選用請參考P32-P45.
3. 減速機重量請參考P30.
4. 輸入馬力及輸出扭力矩請參考P32-P45.

REMARK : 1 19*, PLEASE REFER TO P.34 Unit:mm
2 SELECTION TABLE OF INPUT SHAFT, PLEASE REFER TO P.32-45
3 WEIGHT, PLEASE REFER TO P.30
4 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



型式 MODEL / MNM 外型尺寸

型式 MODEL / MXF 外型尺寸



MNM	A	A1	A2	B	B1	C	C1	C2	CC	D	D1	Z	出力軸 OUTPUT SHAFT					
													S	S1	W	X	SZ	Oil (l)
37-47	165	195	90	135	170	115	24	217	24.5	239	166	14	30k6	60	8	33	M10*20L	1
37-67	195	235	100	150	210	130	30	249	28	279	164	14	35k6	70	10	38	M12*24L	1.4
37-77	205	245	115	170	230	140	30	266	27	302.5	158.5	18	40k6	80	12	43	M16*32L	1.5
47-87	260	310	140	215	290	180	45	335	31.5	372	193	18	50k6	100	14	53.5	M16*32L	3
47-97	310	365	160	250	340	225	55	416	37.5	440	185	22	60m6	120	18	64	M20*40L	5.3
77-107	370	440	185	290	400	250	65	465	39	495	239.5	26	70m6	140	20	74.5	M20*40L	7.2
77-137	410	490	220	340	450	315	70	550	51	590	228.5	33	90m6	170	25	95	M24*48L	11.2
87-147	500	590	260	380	530	355	80	634	70	697.5	278	39	110m6	210	28	116	M24*48L	17.7

MXF	G1	G2	G3	GZ	H1	H2	H3	CC	F	劣危節 OUTPUT SHAFT					
										S	S1	W	X	SZ	Oil (l)
37-47	130h7	165	200	11	60	3.5	12	24.5	239	30k6	60	8	33	M10*20L	2.7
37-67	180h7	215	250	9	70	4	15	28	279	35k6	70	10	38	M12*24L	4.65
37-77	230h7	265	300	14	80	4	21	27	302.5	40k6	80	12	43	M16*32L	5.15
47-87	250h7	300	350	18	100	5	21	31.5	372	50k6	100	14	53.5	M16*32L	9.35
47-97	350h7	400	450	18	120	5	25	37.5	440	60m6	120	18	64	M20*40L	15.65
77-107	350h7	400	450	18	140	5	25	39	495	70m6	140	20	74.5	M20*40L	23.3
77-137	450h7	500	550	18	170	5	28	51	590	90m6	170	25	95	M24*48L	36.6
87-147	450h7	500	550	18	210	5	28	70	697.5	110m6	210	28	116	M24*48L	59.7

MNM	馬達尺寸 MOTOR DIMENSION					
37-47	HP	1/4	1/2	1	2	
	M	636.5	652.5	714	759.5	
	D2	231.5	247.5	309	354.5	
37-67	HP	1/4	1/2	1	2	
	M	674.5	690.5	752	797.5	
	D2	231.5	247.5	309	354.5	
37-77	HP	1/4	1/2	1	2	
	M	692.5	708.5	770	815.5	
	D2	231.5	247.5	309	354.5	
47-87	HP	1/4	1/2	1	2	3 5
	M	792	808	869.5	915	963 975
	D2	227	243	304.5	350	398 410
47-97	HP	1/4	1/2	1	2	3 5
	M	852	868	929.5	975	1023 1035
	D2	227	243	304.5	350	398 410
77-107	HP	1	2	3	5	7.5 10
	M	1031.5	1077	1125	1137	1175.5 1213.5
	D2	297	342.5	390.5	402.5	441 479
77-137	HP	1	2	3	5	7.5 10
	M	1115.5	1161	1209	1221	1259.5 1297.5
	D2	297	342.5	390.5	402.5	441 479
87-147	HP	2	3	5	7.5	10 15
	M	1318	1356.5	1368.5	1407	1445 1525.5
	D2	342.5	381	393	431.5	469.5 550

馬達尺寸 MOTOR DIMENSION		
HP	M1	M2
1/4	120	83.5
1/2	136	91.5
1	160	102.5
2	176	114.5
3	198	117.5
5	220	135.5
7.5		
10	258	145.5
15	434	216

MXF	HP	劣危秤伝 MOUNTING FLAGGE			
		1/4	1/2	1	2
37-47	D	458		476	
	L	219		237	
	HP	1/4	1/2	1	2
37-67	D	496		514	
	L	217		235	
	HP	1/4	1/2	1	2
37-77	D	494		532	
	L	191.5		229.5	
	HP	1/4	1/2	1	2
47-87	D	613.5		631.5	
	L	241.5		259.5	
	HP	1/4	1/2	1	2
47-97	D	673.5		691.5	
	L	233.5		251.5	
	HP	1	2	3	5
77-107	D	793.5		810	
	L	298.5		315	
	HP	1	2	3	5
77-137	D	877.5		894	
	L	287.5		304	
	HP	2	3	5	7.5
87-147	D	1025		1041.5	
	L	327.5		344	
	HP	2	3	5	7.5

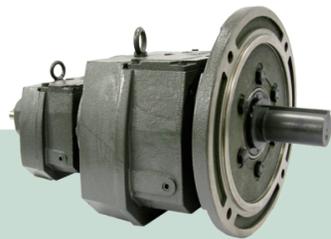
劣危節 INPUT BORE	劣危秤伝 MOUNTING FLAGGE				
	F1	F2	F3	F4	FZ
1/4	11	12.8	4		
1/2	14	16.3	5		
1	19	21.8	6		
2	24	27.3	8		
3	28	31.3	8		
5	28	31.3	8		
7.5	38	41.3	10		
10	38	41.3	10		
15	42	45.3	12		

註: 1. 馬力及型號選定, 請參考P.SQ.
2. 減速機重量請參考P.SP.
3. 輸入馬力及輸出扭力矩請參考P.SR-p.TU.

REMARK ① SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

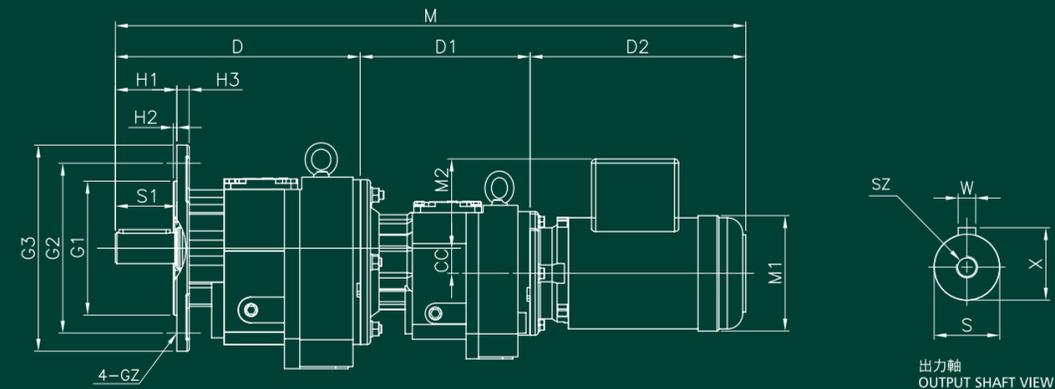
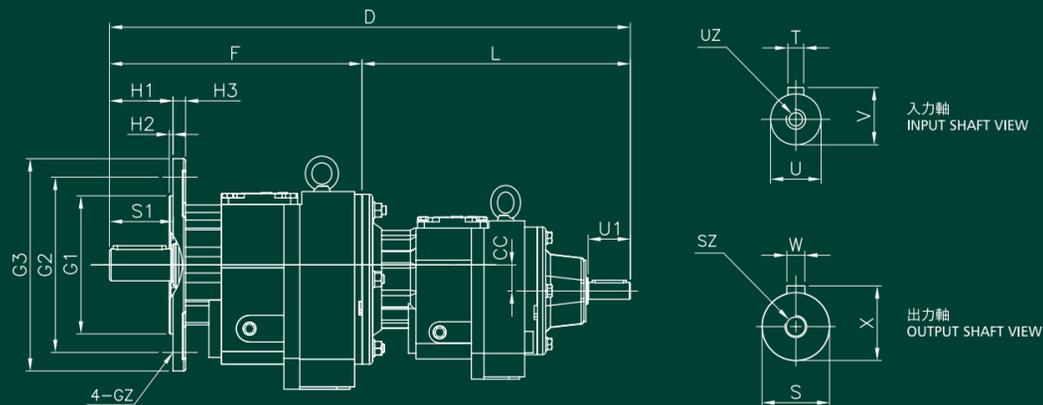
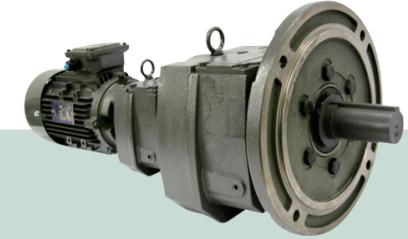
註: 1. 入力軸選用請參考P.SR-p.TU.
2. 減速機重量請參考P.SP.
3. 輸入馬力及輸出扭力矩請參考P.SR-p.TU.

REMARK ① SELECTION TABLE OF INPUT SHAFT, PLEASE REFER TO P.32-45
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



型式 MODEL / MXD 外型尺寸

型式 MODEL / MXM 外型尺寸



MXD	G1	G2	G3	GZ	H1	H2	H3	CC	F	出力軸 OUTPUT SHAFT					
										S	S1	W	X	SZ	Oil (l)
37-47	130h7	165	200	11	60	3.5	12	24.5	239	30k6	60	8	33	M10*20L	2.7
37-67	180h7	215	250	9	70	4	15	28	279	35k6	70	10	38	M12*24L	4.65
37-77	230h7	265	300	14	80	4	21	27	302.5	40k6	80	12	43	M16*32L	5.15
47-87	250h7	300	350	18	100	5	21	31.5	372	50k6	100	14	53.5	M16*32L	9.35
47-97	350h7	400	450	18	120	5	25	37.5	440	60m6	120	18	64	M20*40L	15.65
77-107	350h7	400	450	18	140	5	25	39	495	70m6	140	20	74.5	M20*40L	23.3
77-137	450h7	500	550	18	170	5	28	51	590	90m6	170	25	95	M24*48L	36.6
87-147	450h7	500	550	18	210	5	28	70	697.5	110m6	210	28	116	M24*48L	59.7

MXM	G1	G2	G3	GZ	H1	H2	H3	CC	D	D1	出力軸 OUTPUT SHAFT					
											S	S1	W	X	SZ	Oil (l)
37-47	130h7	165	200	11	60	3.5	12	24.5	239	166	30k6	60	8	33	M10*20L	2.7
37-67	180h7	215	250	9	70	4	15	28	279	164	35k6	70	10	38	M12*24L	4.65
37-77	230h7	265	300	14	80	4	21	27	302.5	158.5	40k6	80	12	43	M16*32L	5.15
47-87	250h7	300	350	18	100	5	21	31.5	372	193	50k6	100	14	53.5	M16*32L	9.35
47-97	350h7	400	450	18	120	5	25	37.5	440	185	60m6	120	18	64	M20*40L	15.65
77-107	350h7	400	450	18	140	5	25	39	495	239.5	70m6	140	20	74.5	M20*40L	23.3
77-137	450h7	500	550	18	170	5	28	51	590	228.5	90m6	170	25	95	M24*48L	36.6
87-147	450h7	500	550	18	210	5	28	70	697.5	278	110m6	210	28	116	M24*48L	59.7

MXD	入力軸 INPUT SHAFT			
	U	V	T	UZ
37-47	U	16	19	
	D	493	496.5	
	D1	88	90.5	
37-67	U	16	19	
	D	531	534.5	
	D1	88	90.5	
37-77	U	16	19	
	D	548.5	551.5	
	D1	88	90.5	
47-87	U	16	19	24
	D	648.5	651	661
	D1	83.5	86	96
47-97	U	16	19	24
	D	708.5	711	721
	D1	83.5	86	96
77-107	U	16	24	38
	D	840.5	848.5	911.5
	D1	106	114	177
77-137	U	16	24	38
	D	696	704	767
	D1	106	114	177
87-147	U	19	28	42
	D	1072	1090	1143
	D1	965	114.5	167.5

入力軸 INPUT SHAFT				
U	V	T	U1	UZ
16k6	18	5	40	M5*10L
19k6	21.5	6	40	M6*12L
24k6	27	8	50	M8*16L
28k6	31	8	60	M8*16L
38k6	41	10	80	M12*24L
42k6	45	12	110	M16*32L

MXM	馬達尺寸 MOTOR DIMENSION					
	HP	1/4	1/2	1	2	
37-47	M	636.5	652.5	714	759.5	
	D2	231.5	247.5	309	354.5	
	HP	1/4	1/2	1	2	
37-67	M	674.5	690.5	752	797.5	
	D2	231.5	247.5	309	354.5	
	HP	1/4	1/2	1	2	
37-77	M	692.5	708.5	770	815.5	
	D2	231.5	247.5	309	354.5	
	HP	1/4	1/2	1	2	
47-87	M	792	808	869.5	915	963
	D2	227	243	304.5	350	398
	HP	1/4	1/2	1	2	3
47-97	M	852	868	929.5	975	1023
	D2	227	243	304.5	350	398
	HP	1/4	1/2	1	2	3
77-107	M	1031.5	1077	1125	1137	1175.5
	D2	297	342.5	390.5	402.5	441
	HP	1	2	3	5	7.5
77-137	M	1115.5	1161	1209	1221	1259.5
	D2	297	342.5	390.5	402.5	441
	HP	1	2	3	5	7.5
87-147	M	1318	1356.5	1368.5	1407	1445
	D2	342.5	381	393	431.5	469.5
	HP	2	3	5	7.5	10

馬達尺寸 MOTOR DIMENSION		
HP	M1	M2
1/4	120	83.5
1/2	136	91.5
1	160	102.5
2	176	114.5
3	198	117.5
5	220	135.5
7.5	258	145.5
10		
15	434	216

註: 1. 馬力及型號選定, 請參考PSQ.
2. 減速機重量請參考PSP.
3. 輸入馬力及輸出扭力矩請參考pSR-pTU.

REMARK① SELECTION TABLE OF HP & SIZE, PLEASE REFER TO P.31 Unit:mm
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45

註: 1. 入力軸選用請參考pSR-pTU.
2. 減速機重量請參考PSP.
3. 輸入馬力及輸出扭力矩請參考pSR-pTU.

REMARK① SELECTION TABLE OF INPUT SHAFT, PLEASE REFER TO P.32-45
2 WEIGHT, PLEASE REFER TO P.30
3 INPUT HP & OUTPUT TORQUE RATINGS, PLEASE REFER TO P.32-45



A series of horizontal dotted lines for writing, with a large, faint watermark of the CHENTA logo and the word "CHENTA" centered in the background.

