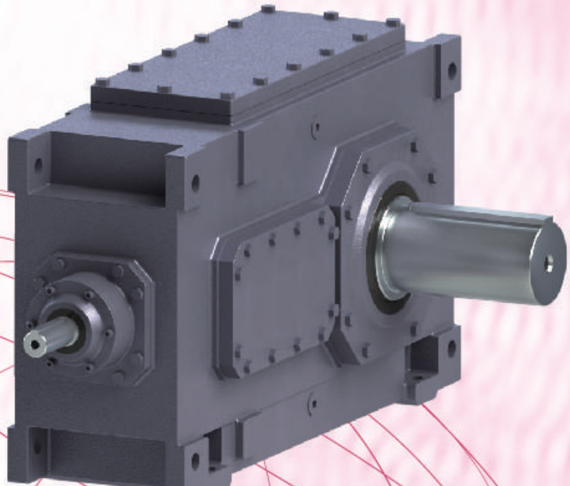
GEAR CHENTA

H/B SERIES GEAR UNITS

H/B工業齒輪箱

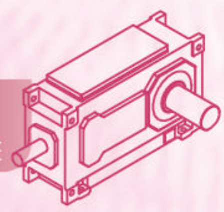


UKAS QUALITY MANAGEMENT 005

SYSTEM CERTIFICATION ISO 9001:2000 SGS

外型安裝尺寸與德國領導品牌相同

INSTALLATION DIMENSION ARE CONSISTENT WITH GERMAN MODLE



成大牌齒輪箱
Chenta Gear Units

型號 / Size 3-22

公司介紹　CHENTA Company Profile

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。

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。

1971 年本於公司發展應有自主性產品，才能永續經營遂與日本減速機製造廠技術合作，開始生產製造自有品牌之成大齒輪減速機，發展至今，公司員工近 100 名，產品以自有之 CHENTA 品牌行銷全球。主要市場為台灣、亞、北美及中東，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。

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。

累積 50 多年之機械製造經驗及誠信經營精神，本公司已自然形成一種優良的公司文化，此精神文化乃是公司最寶貴之資源，表諸文字即是“新”“實”“勤”“效”，乃創新、信實、勤快、效益，之意也。

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 “CHENTA Machinery Works”. It was named “CHENTA” 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.

CHENTA 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.

In 1971, to support a long-term operation, the company needed her own products, so the technical cooperation between CHENTA and Japan reducer manufacturer began. From then on, CHENTA started manufacturing her own brand, “CHENTA GEAR REDUCERS”. Now the company has about 100 employees, and her products have been marketing to the world under the name of “CHENTA”. The major markets are in Taiwan, Asia, and North America. In Taiwan, she remains at the top of the field and also established branch offices in America and in Shanghai (in China).

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”.

With more than 50 years of experience in mechanical manufacturing and honest operation, a fine culture has naturally grown inside the corporation. This spirit is the most precious resource of our company. The motto of our company is based on “INNOVATION”, “HONESTY”, “DILIGENCE”, and “EFFICIENCY”.

齒輪箱
性能特點

設計
成大齒輪箱採用模組化設計，其特點為：
- 零件種類減少而型號數量增多
- 傳遞功率增大，運轉可靠性提高

安裝方式
成大齒輪箱可以提供臥式安裝和立式安裝。若有其他安裝型式需求，請洽詢。

噪音特性
- 增大的齒輪接觸比以及高精度齒輪，傳動更加平穩
- 箱體結構強度提高，吸震能力佳，噪音更低

散熱性能
成大齒輪箱不僅具有很高的傳動效率，而且具有良好的散熱性能，因為：
- 增大了箱體的表面積
- 採用大風扇和新型的循環風扇罩

注意事項!
請注意以下事項

- 樣本中的附圖只屬範例，並不具有約束力。公司保留變更尺寸的權利。
- 所註重量僅為平均值，並不具有約束力。
- 為防止意外事故發生，所有旋轉部件均應按照使用者所在國家和地區的安全規範由買方加裝防護設備保護。
- 本樣本中所示之注油量只作為參考值，實際注油量應以油尺上的標記為準。
- 潤滑油粘度應符合齒輪箱銘牌上的數據

在尺寸圖上所使用的符號說明如下：

 = 油尺

 = 通氣孔

 = 洩油孔

 = 加油孔

Gear Units
Characteristic Features

Design
CHENTA gear units are a modularized design.
Advantages are:
- more sizes with a reduced variety of parts;
- higher operational reliability combined with increased power capacity;

Mounting position
CHENTA gear units can be supplied for either horizontal or vertical installation. Other arrangements are also possible on request.

Noise behavior

Thermal conduction
CHENTA gear units not only have a high efficiency but also a favorable thermal conduction
- through enlarged housing surface areas;
- because large fans incorporating a new type of air conduction fan cowl are being used.

Attention!
The following items are absolutely to be observed!

- Illustrations are examples only and are not strictly binding. Dimensions are subject to change.
- The weights are mean values and not strictly binding.
- To prevent accidents, all rotating parts should be guarded according to local and national safety regulations.
- Oil quantities given are guide values only.

The exact quantity of oil depends on the marks on the oil dipstick.
- The oil viscosity has to correspond to the data given on the name plate.

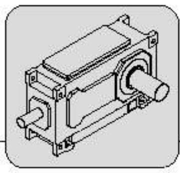
Explanation of symbols used in the dimensioned drawings:

 = Oil dipstick

 = Breather

 = Oil drain

 = Oil filler

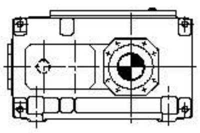
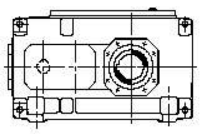
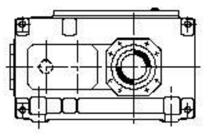
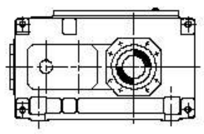
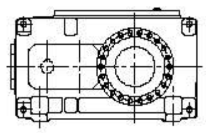


齒輪箱 / Gear Units
產品類型 / Variants

臥式安裝 | **Horizontal mounting position**

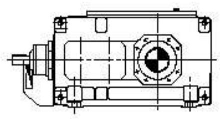
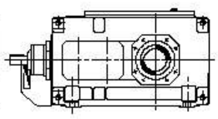
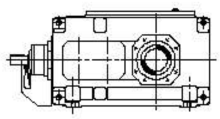
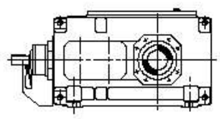
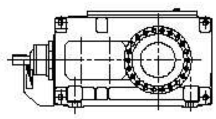
平行軸齒輪箱
類型 H1.H, H2.H, H3.H, H4.H
1-4級, i_N=1.25 - 450

Helical gear units
Types H1.H, H2.H, H3.H, H4.H
1-4 Stage, i_N=1.25 - 450

H.SH

H.HH

H.DH

H.KH

H.FH


直交軸齒輪箱
類型 B2H.., B3H.., B4H..
2-4級, i_N=5 - 400

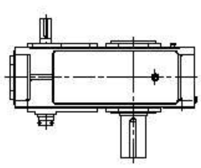
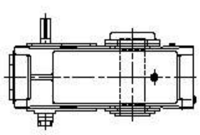
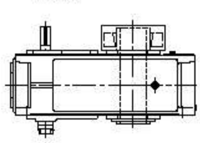
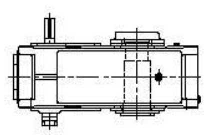
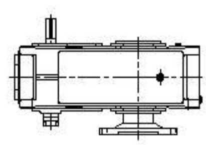
Bevel -helical gear units
Types B2H.., B3H.., B4H..
2-4 Stage, i_N=5 - 400

B.SH

B.HH

B.DH

B.KH

B.FH


立式安裝 | **Vertical mounting position**

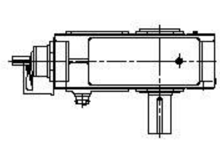
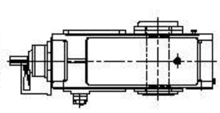
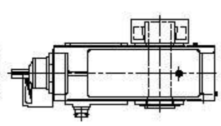
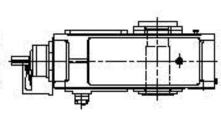
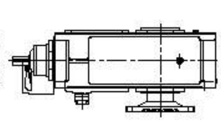
平行軸齒輪箱
類型 H2.V, H3.V, H4.V
2-4級, i_N=6.3 - 450

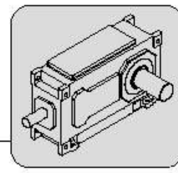
Helical gear units
Types H2.V, H3.V, H4.V
2-4 Stage, i_N=6.3 - 450

H.SV

H.HV

H.DV

H.KV

H.FV


直交軸齒輪箱
類型 B2.V, B3.V, B4.V
2-4級, i_N=5 - 400

Bevel -helical gear units
Types B2.V, B3.V, B4.V
2-4 Stage, i_N=5 - 400

B.SV

B.HV

B.DV

B.KV

B.FV




B	3	S	H	11	-	45	-	A

布置形式 / Design
- A / B / C / D / E / F / G / H / I

標稱速比 / Nonimal ratio
- 1.25 - 450

型號 / Sizes
- 1 - 22

安裝方式 / Mounting
- H - 臥式安裝 / Horizontal
- V - 立式安裝 / Vertical

輸出軸型式 /Output shaft design
- S - 實心軸 / Solid shaft
- H - 空心軸 / Hollow shaft
- D - 帶縮緊盤的空心軸 / Hollow shaft for shrink disk
- K - 帶花鍵的空心軸 / Hollow shaft with involute splines
- F - 法蘭軸 / Flanged shaft

傳動級數 / No. of Stages
- 1, 2, 3 或 / or 4

類型 / Types
- H - 平行軸齒輪箱 / Helical gear units
- B - 直交軸齒輪箱 / Bevel-helical gear units

範例 B3SH11-45-A
直交軸齒輪箱
3級傳動
實心軸輸出
臥式安裝
型號 11
傳動比 i=45
布置形式 A

Example B3SH11-45-A
Bevel-helical gear unit
3-stage
Solid output shaft
Horizontal mounting position
Size 11
Ratio i=45
Design A

齒輪箱

符號說明

E_D = 每小時工作週期，以%表示
(例如 E_D = 80% /h)

f_1 = 工作機係數 (表1)，
見第12 頁

f_2 = 原動機係數 (表2)，
見第13頁

f_3 = 峰值扭矩係數 (表3)，
見第13頁

f_4 = 環境溫度係數 (表4),
見第13頁

f_5 = 環境溫度係數 (表5)，
見第13頁

f_8 = 齒輪箱供油係數
對於臥式安裝齒輪箱：f_8 = 1

i = 實際傳動比

i_N = 額定傳動比

i_s = 要求傳動比

n_1 = 輸入轉速 (min^{-1})

n_2 = 輸出轉速 (min^{-1})

P_G = 需要的熱容量

P_{GA} = 齒輪箱的基礎熱容量，
不帶輔助冷卻裝置，
見第16-51 頁

P_{GB} = 齒輪箱的基礎熱容量，
帶冷卻風扇，
見第16-51 頁

P_{GC} = 齒輪箱的基礎熱容量，
帶內置式冷卻盤管，
見第16-51 頁

P_{GD} = 齒輪箱的基礎熱容量，
帶內置式冷卻盤管和冷卻風扇，
見第16-51 頁

P_{2N} = 齒輪箱的額定功率 (kW),
見第14-48 頁選型表，

P_2 = 工作機的額定功率 (kW)

t = 環境溫度(°C)

T_A = 輸入軸最大扭矩，
例如峰值工作扭矩，
起動扭矩或制動扭矩 (Nm)

T_{2N} = 額定輸出扭矩 (kNm)，
見第 15-49 頁

Gear Units

Key to Symbols

E_D = Operating cycle per hour in%,
e.g. E_D = 80%/h

f_1 = Factor for driven machine (table 1)，
page 12

f_2 = Factor for prime mover (table 2),
page 13

f_3 = Peak torque factor (table 3),
page 13

f_4 = Thermal factors (table 4)，
page 13

f_5 = Thermal factors (table 5),
page 13

f_8 = Oil supply factor for vertical gear units
For horizontal gear units: f_8= 1

i = Actual ratio

i_N = Nominal ratio

i_s = Required ratio

n_1 = Input speed (min^{-1})

n_2 = Output speed (min^{-1})

P_G = Required thermal capacity

P_{GA} = Thermal capacity for gear units
without auxiliary cooling,
pages 16-51

P_{GB} = Thermal capacity for gear units
with fan cooling,
pages 16-51

P_{GC} = Thermal capacity for gear units
with built-in cooling coil,
pages 16-51

P_{GD} = Thermal capacity for gear units
with built-in cooling coil and fan,
pages 16-51

P_{2N} = Nominal power rating of gear unit (kW),
see rating tables, pages 14-48

P_2 = Power rating of driven machine (kW)

t = Ambient temperature (°C)

T_A = Max. torque occurring on input shaft,
e.g. peak operating-, starting- or braking
torque (Nm)

T_{2N} = Nominal output torque (kNm),
pages 15-49

齒輪箱 / Gear Units

選型範例 / Example for the selection

已知： / Known criteria :

原動機 / PRIME MOVER

電機功率：	P_1 = 75 kW	Electric motor :	P_1 = 75 kW
電機轉速：	n_1 = 1500 min^{-1}	Motor speed :	n_1 = 1500 min^{-1}
最大起動扭矩：	T_A = 720 Nm	Max. starting torque :	T_A = 720 Nm

被驅動機 / DRIVEN MACHINE

皮帶輸送機功率	P_2 = 66 kW	Belt conveyor :	P_2 = 66 kW
轉速：	n_2 = 26 min^{-1}	Speed :	n_2 = 26 min^{-1}
每天操作時間：	12h /日	Duty :	12h /day
每小時起動次數：	7	Starts per hour :	7
每小時工作週期：	E_D = 100%	Operating cycle per hour :	E_D = 100%
環境溫度：	30°C	Ambient temperature :	30°C
室內大空間安裝：	風速 ≥ 1.4 m/s	Installation in a large hall :	wind velocity ≥ 1.4 m/s
海拔高度：	海平面	Altitude :	sea level

齒輪箱設計 / GEAR UNIT DESIGN

直交軸齒輪箱	臥式安裝	Bevel-helical gear unit	horizontal
安裝方式：	布置形式 C	Mounting position:	design C
輸出軸 d_2：	實心軸	Output shaft d_2 :	solid shaft
輸出軸 d_2的旋轉方向：	逆時針旋轉	Direction of rotation of output shaft d_2 :	CCW

選擇齒輪箱類型和規格 / Determination of gear unit type and size

步驟 1：計算速比 / Step 1 : Calculation of transmission ratio

$$i_s = \frac{n_1}{n_2} = \frac{1500}{26} = 57.7 \qquad i_N = 56$$

步驟 2：決定齒輪箱額定功率 / Step 2 : Determination of the gear unit nominal power rating

$$P_{2N} \geq P_2 \times f_1 \times f_2 = 66 \times 1.3 \times 1 = 85.8 \text{ kW}$$

從功率表中選擇類型 B3SH，型號 9
其額定功率為 P_{2N} = 100 kW

Selected from power table: type B3SH，
gear unit size 9，with P_{2N} = 100 kW

$$3.33 \times P_2 \geq P_{2N} \qquad 3.33 \times 66 = 219.8 \text{ kW} > P_{2N}$$

如果此條件未能滿足請聯繫 / Consult us if this condition is not met.

步驟 3：檢核起動扭矩 / Step 3 : Checking the starting torque

$$P_{2N} \geq \frac{T_A \times n_1}{9550} \times f_3 = \frac{720 \times 1500}{9550} \times 0.65 = 73.5 \text{ kW} \qquad P_{2N} = 100\text{kW} > 73.5\ kW$$

步驟 4：決定所需的熱容量 / Step 4 : Determination of required thermal capacity P_G
齒輪箱採用浸油潤滑 / Gear unit with dip lubrication

$P_G = P_{GA} * f_4 * f_8$ $\quad P_G$ = 64.8 *0.88 *1.0 = 57 kW
P_{GA} = 64.8 kW (見第46 頁/ see page 46)，f_4 = 0.88，f_8 = 1.0
$P_G < P_2$ 需要輔助冷卻裝置 / auxiliary cooling required

$P_G = P_{GB} * f_4 * f_8$ $\quad P_G$ = 140 *0.88 *1.0 = 123.2 kW
P_{GB} = 140 kW (見第46 頁/ see page 46)，f_4 = 0.88，f_8 = 1.0
$P_G > P_2$ 風扇輔助冷卻裝置足夠 / fan possible

確定齒輪箱類型和規格 / Gear unit type and size comfirmed

B3SH9-56-C，風扇冷卻 / B3SH9-56-C，Fan cooling

表 1 工作機系數 f_1 / Table 1 Factor for driven machine f_1

工作機	Driven machines	≦ 0.5 1)	> 0.5-10 1)	> 10 1)
汙水處理	**Waste water treatment**			
濃縮器（中心傳動）	Thickeners (central drive)	-	-	1.2
壓濾機	Filter presses	1.0	1.3	1.5
絮凝機	Flocculation apparata	0.8	1.0	1.3
撈集設備	Raking equipment	1.0	1.2	1.3
縱向、回轉組合式撈集裝置	Combined longitudinal and rotary rakes	1.0	1.3	1.5
預濃縮器	Pre-thickeners	-	1.1	1.3
螺杆泵	Screw pumps	-	1.3	1.5
水輪槍	Water turbines	-	-	2.0
泵	**Pumps**			
離心泵	Centrifugal pumps	1.0	1.2	1.3
容積式泵	Positive-displacement pumps			
1 個活塞	1 piston	1.3	1.4	1.8
>1 個活塞	>1 piston	1.2	1.4	1.5
挖泥機	**Dredgers**			
斗式輸送機	Bucket conveyors Dumping	-	1.6	1.6
傾卸裝置	devices	-	1.3	1.5
履帶式行走機構	Carterpillar travelling gears	1.2	1.6	1.8
斗輪式挖掘機	**Bucket wheel excavators**			
用於料堆撿拾	as pick-up	-	1.7	1.7
用於原生岩土	for primitive	-	2.2	2.2
如鐵礦石等	material			
彎板機*	**Plate bending machines ***	-	1.0	1.0
化學工業	**Chemical industry**			
調漿機	Dough mills	-	1.8	1.8
橡膠砑光機	Rubber calenders	-	1.5	1.5
冷卻圓筒	Cooling drums	-	1.3	1.4
混勻機，用於	Mixers for			
均勻介質	uniform media	1.0	1.3	14
非均勻介質	non-uniform media	1.4	1.6	1.7
金屬加工設備	**Metal working mills**			
翻板機	Plate tilters	1.0	1.0	1.2
推鋼機	Ingot pushers	1.0	1.2	1.2
繞線機	Winding machines Cooling	-	1.6	1.6
冷床橫移架	bed transfer frames	-	1.5	1.5
輥式矯直機	Roller straighteners	-	1.6	1.6
軌道	**Roller tables**			
連續式	continuous	-	1.5	1.5
間歇式	intermittent	-	2.0	2.0
可逆式軋管機	Reversing tube mills	-	1.8	1.8
剪切機	**Shears**			
連續式*	continuous *	-	1.5	1.5
曲柄式*	crank type *	1.0	1.0	1.0
連鑄機驅動裝置*	Continuous casting drivers *	-	1.4	1.4

工作機	Driven machines	≦ 0.5 1)	> 0.5-10 1)	> 10 1)
輸送機械	**Conveyors**			
斗式輸送機	Bucket conveyors	-	1.4	1.5
絞車	Hauling winches	1.4	1.6	1.6
捲揚機	Hoists	-	1.5	1.8
皮帶輸送機≦150kW	Belt conveyors ≦ 150 kW	1.0	1.2	1.3
皮帶輸送機≧150kW	Belt conveyors ≧150 kW	1.1	1.3	1.4
貨用電梯*	Goods lifts *	-	1.2	1.5
客用電梯*	Passenger lifts*	-	1.5	1.8
刮板式輸送機	Apron conveyors	-	1.2	1.5
軌道行走機構	Rail travelling gears	-	1.5	-
起重機械**	**Cranes ****			
俯仰機構	Luffing gears	1.0	1.1	1.4
行走機構	Travelling gears	1.1	1.6	2.0
起升機構	Hoisting gears	1.0	1.1	1.4
轉臂式起重機	Denicking jib cranes	1.0	1.2	1.6
索道纜車	**Cableways**			
運貨索道	Material ropeways	-	1.3	1.4
往復式空中索道	To-and-fro system aerial ropeways	-	1.6	1.8
拖牽式索道	T-bar lifts	-	1.3	1.4
迴圈式索道	Continuous ropeways	-	1.4	1.6
其他工業	**Other**			
混凝土攪拌機	Concrete mixers	-	1.5	1.5
破碎機*	Breakers *	-	1.2	1.4
回轉窯	Rotary kilns	-	-	2.0
管式磨機	Tube mills	-	-	2.0
選粉機	Powder choosing machine	-	1.6	1.6
輥壓機	Roller press	-	-	2.0

1) 每日載荷運行時間，以小時計算

1) Effective daily operating period under load in hours

齒輪箱

服務係數

Gear Units

Service Factors

工作機額定功率P_2的確定：
*) 按最大扭矩確定額定功率
**) 實際的服務係數，應根據準確的載荷進行分類
***) 檢驗熱容量是絕對必要的
所列各項係數均為經驗值。使用這些係數的前提條件是所述機械設備應符合通常的設計規範和載荷條件。如遇特殊情況，請及時與我們取得聯繫。對於那些未列入此表的工作機械，請與我們聯繫。

Design for power rating of driven machine P_2
*) Designed power corresponding to max. torque
**) Load can be exactly classified to obtain actual service factor
***) A check for thermal capacity is absolutely essential
The listed factors are empirical values. Prerequisite for their application is that the machinery and equipment mentioned correspond to generally accepted design- and load specifications. In case of deviations from standard conditions,
please refer to us. For driven machines which are not listed in this table, please refer to us.

表 2 原動機係數 f_2	
電機，液壓馬達，汽輪機	1.0
4 - 6 缸活塞發動機 週期變化 1 :100 至 1:200	1.25
1 - 3 缸，活塞發動機 週期變化最高達 1 :100	1.5

Table 2 Factor for prime mover f_2	
Electric motors, hydraulic motors, turbines	1.0
Piston engines 4 - 6 cylinders, cyclic variation 1 : 100 to 1 : 200	1.25
Piston engines 1 - 3 cylinders, cyclic variation up to 1 :100	1.5

表 3 峰值扭矩係數 f_3				
	每小時峰值載荷次數			
	1-5	6-30	31-100	> 100
單向載荷	0.5	0.65	0.7	0.85
交變載荷	0.7	0.95	1.10	1.25

Table 3 Peak torque factor f_3				
	Load peaks per hour			
	1-5	6-30	31-100	> 100
Steady direction of load	0.5	0.65	0.7	0.85
Alternating direction of load	0.7	0.95	1.10	1.25

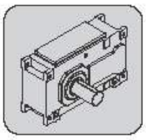
表4 Table 4	環境溫度係數 Thermal factor	（不帶輔助冷卻裝置或僅帶冷卻風扇進行冷卻）(Gear units without auxiliary cooling or with fan)				f_4			
環境溫度/ Ambient		10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
f_4		1.11	1.06	1.00	0.94	0.88	0.82	0.75	0.69	0.63

表5 Table 5	環境溫度係數 Thermal factor	（帶冷卻盤管或同時帶冷卻盤管和冷卻風扇）(For cooling with cooling coil, or with fan and cooling coil))				f_5			
環境溫度/ Ambient		10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C
f_5		1.05	1.03	1.00	0.97	0.93	0.90	0.87	0.84	0.81

表8 立式安裝齒輪箱供油系統. 對於臥式安裝齒輪箱 f_8 = 1.0
Table 8 Oill supply factor for vertical gear units. For horizaintal gear units f_8 = 1.0 — f_8

齒輪箱類型 Gear unit type	供油方式 Oil supply	規格 / Sizes 4 – 12				規格 / Sizes 13-18			
		不帶輔助冷卻裝置 without Auxiliary cooling	帶冷卻風扇 with Fan	帶冷卻盤管 with Cooling Coil	帶冷卻風扇和冷卻盤管 with Fan and cooling coil	不帶輔助冷卻裝置 without Auxiliary cooling	帶冷卻風扇 with Fan	帶冷卻盤管 with Cooling Coil	帶冷卻風扇和冷卻盤管 with Fan and cooling coil
H2.V H3.V H4.V	浸油潤滑 Dip lubrication	0.95	*	0.95	*	*	*	*	*
	強制潤滑 Forced lubrication	1.15	*	1.05	*	1.15	*	1.05	*
B2.V B3.V B4.V	浸油潤滑 Dip lubrication	0.95	0.95	0.95	0.95	*	*	*	*
	強制潤滑 Forced lubrication	1.15	1.10	1.10	1.10	1.15	1.10	1.10	1.10

*) 請洽詢 *) on request



齒輪箱

額定功率
類型 H1SH
型號 3-19

Gear Units

Nominal Power Ratings
Type H1SH
Sizes 3-19

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)

i_N	n_1	n_2	齒輪箱型號 / Gear unit sizes																
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	1800	1440	437		1206		2291 *		3724 *										
	1500	1200	364		1005		1909		3103										
	1200	960	291		804		1527		2482										
	1000	800	242		670		1273		2069										
1.4	1800	1286	417		1104		2141 *		3447 *										
	1500	1071	347		919		1783		2870										
	1200	857	278		735		1426		2297										
	1000	714	231		613		1188		1913										
1.6	1800	1125	388		1013		1920 *		3192 *										
	1500	938	324		844		1600		2661		4518								
	1200	750	259		675		1280		2128		3612								
	1000	625	215		562		1066		1773		3010		4410						
1.8	1800	1000	282		921		1821 *		2931 *		4984 *								
	1500	833	235		767		1517		2442		4151								
	1200	667	188		614		1215		1955		3324		4951 *						
	1000	556	157		512		1013		1630		2771		4127						
2	1800	900	263		885		1677 *		2704 *		4627 *								
	1500	750	219		738		1397		2253		3856								
	1200	600	175		590		1118		1803		3084		4580 *						
	1000	500	146		492		931		1502		2570		3816						
2.24	1800	804	235		808		1498 *		2416 *		4259 *								
	1500	670	196		673		1248		2013		3549								
	1200	536	157		538		999		1610		2839		4220 *						
	1000	446	130		448		831		1340		2363		3511						
2.5	1800	720	218		723		1341 *		2163 *		3814 *								
	1500	600	182		603		1118		1803		3179		4837 *						
	1200	480	145		482		894		1442		2543		3870 *						
	1000	400	121		402		745		1202		2119		3225		4900				
2.8	1800	643	208		646		1151 *		1831 *		3406 *								
	1500	536	173		538		959		1526		2839		4321 *						
	1200	429	139		431		768		1221		2273		3458 *						
	1000	357	115		358		639		1016		1891		2878		4485				
3.15	1800	571	185		573		1040		1680		2875 *		4370 *						
	1500	476	154		478		867		1400		2397		3643						
	1200	381	123		382		694		1121		1918		2916		4947 *				
	1000	317	102		318		577		932		1596		2426		4116				
3.55	1800	507	169		504		944		1518		2665 *		3949 *						
	1500	423	141		420		788		1266		2223		3295						
	1200	338	113		336		629		1012		1776		2633		4459 *				
	1000	282	94		280		525		844		1482		2196		3720				
4	1800	450	150		452		838		1352		2384 *		3567 *						
	1500	375	125		376		698		1126		1986		2972						
	1200	300	100		301		559		901		1589		2378		4083 *				
	1000	250	83		251		465		751		1324		1981		3403		4528		
4.5	1800	400	104		322		661		1030		1926		2580 *		4565 *				
	1500	333	87		268		550		857		1603		2147		3800				
	1200	267	69		215		441		687		1286		1722		3047		4081 *		
	1000	222	58		178		367		571		1069		1431		2533		3393		
5	1800	360	90		271		520		885		1458		2197 *		3581 *		4674 *		
	1500	300	75		226		433		738		1215		1831		2984		3895 *		
	1200	240	60		180		346		590		972		1465		2387		3116 *		4372 *
	1000	200	50		150		289		492		810		1220		1989		2596		3643
5.6	1800	321	77		231		440		675		1226		1862 *		3038 *		3966 *		
	1500	268	64		193		367		564		1024		1554		2536		3311 *		4209 *
	1200	214	51		154		293		450		817		1241		2025		2644		3361 *
	1000	179	43		129		245		376		684		1038		1694		2211		2811

臥式安裝齒輪箱應採用強制潤滑 / Forced lubrication required on horizontal

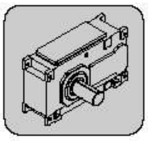
* 請洽詢 / * on request

齒輪箱
額定輸出扭矩
類型 H1SH
型號 3-19

Gear Units
Nominal Output Torques
Type H1SH
Sizes 3-19

額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)

i_N	齒輪箱型號 / Gear unit sizes																			
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1.25	2.9		8		15.2		24.7													
1.6	3.3		8.6		16.3		27.1		46		67.4									
1.8	2.7		8.8		17.4		28		47.6		70.9									
2	2.8		9.4		17.8		28.7		49.1		72.9		129							
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130							
2.5	2.9		9.6		17.8		28.7		50.6		77		117							
2.8	3.1		9.6		17.1		27.2		50.6		77		120		171					
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124		173					
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173					
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245			
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216			
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174			
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150			
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292			
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335	410	
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
12.5		6.7	11.2	13.5	20.2	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
16		6.7	11.2	14.4	20.3	25.5	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335	420	458
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345	420	470
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345	420	470
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345	410	470
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335	420	465
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345	420	470
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345	410	470
400						27.2		44.2		78		113		158		223		335		465
450						25.3		42.8		78		113								



齒輪箱
熱容量
類型 H1SH
型號 3-19
$n_1 = 1000\ min^{-1}$

Gear Units
Thermal Capacities
Type H1SH
Sizes 3-19
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																		
i_N		齒輪箱型號 / Gear unit sizes																
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	P_{GA}	63.2		*		*		*										
	P_{GB}	187		402		517		536										
	P_{GC}	271		639		911		1288										
	P_{GD}	377		934		1322		1783										
1.4	P_{GA}	65.4		*		*		*										
	P_{GB}	186		409		534		578										
	P_{GC}	264		629		892		1277										
	P_{GD}	366		916		1298		1760										
1.6	P_{GA}	68.6		*		*		*		*		*						
	P_{GB}	183		412		540		630		729		510						
	P_{GC}	248		595		833		1230		2057		2459						
	P_{GD}	347		870		1214		1706		2838		3313						
1.8	P_{GA}	79.9		*		*		*		*		*						
	P_{GB}	205		410		561		655		821		674						
	P_{GC}	269		561		819		1187		2025		2417						
	P_{GD}	376		827		1196		1650		2802		3264						
2	P_{GA}	78.5		104		*		*		*		*		*		*		*
	P_{GB}	197		397		549		651		852		757		*		*		*
	P_{GC}	256		531		778		1130		1955		2368		2073		*		*
	P_{GD}	358		779		1135		1573		2700		3190		3116		*		*
2.24	P_{GA}	78		109		*		*		*		*		*		*		*
	P_{GB}	189		382		520		645		887		851		523		*		*
	P_{GC}	241		496		704		1063		1864		2290		2048		*		*
	P_{GD}	338		733		1029		1485		2588		3104		3073		*		*
2.5	P_{GA}	72.8		108		*		*		*		*		*		*		*
	P_{GB}	175		362		494		621		884		888		621		*		*
	P_{GC}	216		459		649		986		1753		2174		2016		*		*
	P_{GD}	304		679		950		1381		2437		2955		2996		*		*
2.8	P_{GA}	69.6		105		133		*		*		*		*		*		*
	P_{GB}	164		340		511		649		865		902		707		500		*
	P_{GC}	199		419		655		994		1625		2034		1957		2203		*
	P_{GD}	281		620		959		1390		2265		2770		2892		3223		*
3.15	P_{GA}	73		127		189		217		*		*		*		*		*
	P_{GB}	161		348		601		731		1019		1128		1146		1040		*
	P_{GC}	193		416		769		1091		1682		2075		2179		2517		*
	P_{GD}	270		612		1140		1548		2349		2844		3174		3624		*
3.55	P_{GA}	67.6		127		178		209		*		*		*		*		*
	P_{GB}	147		340		553		682		949		1078		1140		1096		*
	P_{GC}	174		398		689		988		1519		1896		2027		2387		*
	P_{GD}	244		585		1027		1407		2128		2603		2942		3412		*
4	P_{GA}	61.9		118		167		189		235		*		*		*		*
	P_{GB}	134		309		498		585		891		1024		1124		1132		1032
	P_{GC}	155		353		604		820		1372		1715		1851		2212		*
	P_{GD}	217		521		902		1175		1927		2364		2692		3158		*
4.5	P_{GA}	69.7		129		183		238		267		304		*		*		*
	P_{GB}	144		316		504		667		872		1107		1289		1307		1274
	P_{GC}	165		354		599		908		1310		1783		1908		2227		*
	P_{GD}	230		521		889		1294		1855		2474		2760		3170		*
5	P_{GA}	64		125		184		228		290		340		*		*		*
	P_{GB}	131		301		488		608		869		1087		1317		1541		1585
	P_{GC}	147		333		564		801		1243		1686		1820		2424		*
	P_{GD}	205		490		841		1145		1770		2348		2642		3447		*
5.6	P_{GA}	57.2		111		166		220		277		311		*		*		*
	P_{GB}	116		266		435		581		823		978		1195		1416		1665
	P_{GC}	128		288		494		745		1164		1478		1608		2157		*
	P_{GD}	179		425		739		1071		1663		2065		2338		3069		*

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

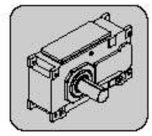
P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 H1SH
型號 3-19
n_1 = 1200 min^{-1}

Gear Units

Thermal Capacities
Type H1SH
Sizes 3-19
n_1 = 1200 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)																		
i_N		齒輪箱型號 / Gear unit sizes																
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	P_{GA}	*		*		*		*										
	P_{GB}	201		397		480		446										
	P_{GC}	296		666		923		1254										
	P_{GD}	432		1050		1468		1946										
1.4	P_{GA}	*		*		*		*										
	P_{GB}	201		410		507		501										
	P_{GC}	289		660		913		1260										
	P_{GD}	420		1033		1447		1932										
1.6	P_{GA}	57		*		*		*		*		*						
	P_{GB}	200		424		533		584		528		*						
	P_{GC}	273		634		869		1246		1924		2078						
	P_{GD}	400		987		1365		1894		3045		3406						
1.8	P_{GA}	69.1		*		*		*		*		*						
	P_{GB}	225		429		570		633		670		*						
	P_{GC}	298		604		866		1225		1958		2157						
	P_{GD}	434		942		1352		1846		3049		3433						
2	P_{GA}	68.7		*		*		*		*		*		*		*		*
	P_{GB}	218		418		562		638		718		*		*		*		*
	P_{GC}	284		573		826		1173		1911		2150		1659		*		*
	P_{GD}	413		889		1286		1765		2952		3380		3133		*		*
2.24	P_{GA}	69.9		*		*		*		*		*		*		*		*
	P_{GB}	210		408		541		647		792		625		*		*		*
	P_{GC}	268		539		754		1117		1860		2148		1734		*		*
	P_{GD}	391		839		1170		1675		2855		3335		3162		*		*
2.5	P_{GA}	66		*		*		*		*		*		*		*		*
	P_{GB}	195		389		518		631		810		691		*		*		*
	P_{GC}	241		500		699		1042		1768		2073		1752		*		*
	P_{GD}	352		778		1082		1561		2700		3196		3117		*		*
2.8	P_{GA}	63.7		*		*		*		*		*		*		*		*
	P_{GB}	183		366		540		667		812		738		*		*		*
	P_{GC}	222		458		708		1057		1656		1969		1745		1854		*
	P_{GD}	325		712		1095		1576		2520		3016		3041		3308		*
3.15	P_{GA}	70.1		113		159		*		*		*		*		*		*
	P_{GB}	181		385		658		789		1055		1109		1024		860		*
	P_{GC}	217		463		848		1193		1798		2159		2175		2445		*
	P_{GD}	314		707		1314		1777		2669		3194		3501		3951		*
3.55	P_{GA}	65		114		153		*		*		*		*		*		*
	P_{GB}	166		376		607		738		990		1072		1040		934		*
	P_{GC}	196		443		761		1083		1629		1983		2040		2342		*
	P_{GD}	284		676		1184		1616		2421		2930		3257		3736		*
4	P_{GA}	60		108		147		156		*		*		*		*		*
	P_{GB}	151		344		549		637		942		1040		1065		1018		873
	P_{GC}	174		394		670		903		1482		1813		1894		2213		*
	P_{GD}	252		603		1042		1352		2200		2673		3001		3488		*
4.5	P_{GA}	68.4		121		169		211		*		*		*		*		*
	P_{GB}	163		355		562		737		944		1168		1303		1283		1210
	P_{GC}	186		397		669		1009		1436		1925		2012		2315		*
	P_{GD}	268		604		1030		1495		2131		2823		3118		3558		*
5	P_{GA}	63.2		121		174		211		248		*		*		*		*
	P_{GB}	149		339		547		678		953		1171		1378		1581		1592
	P_{GC}	166		375		633		894		1374		1843		1955		2577		*
	P_{GD}	239		569		976		1326		2041		2694		3009		3907		*
5.6	P_{GA}	56.6		107		157		202		237		*		*		*		*
	P_{GB}	132		299		488		647		903		1054		1251		1453		1672
	P_{GC}	145		324		555		833		1287		1616		1728		2293		*
	P_{GD}	208		494		857		1240		1917		2369		2662		3478		*

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

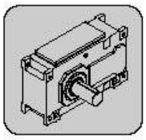
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱

熱容量
類型 H1SH
型號 3-19
$n_1 = 1500\ min^{-1}$

Gear Units

Thermal Capacities
Type H1SH
Sizes 3-19
$n_1 = 1500\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	P_{GA}	*		*		*		*										
	P_{GB}	210		372		408		*										
	P_{GC}	307		686		946		1276										
	P_{GD}	472		1117		1537		1991										
1.4	P_{GA}	*		*		*		*										
	P_{GB}	212		392		447		375										
	P_{GC}	299		680		937		1285										
	P_{GD}	459		1104		1523		1992										
1.6	P_{GA}	*		*		*		*		*		*						
	P_{GB}	213		420		500		495		*		*						
	P_{GC}	284		655		894		1276		1944		2060						
	P_{GD}	438		1063		1452		1982		3039		3187						
1.8	P_{GA}	*		*		*		*		*		*						
	P_{GB}	241		435		554		575		*		*						
	P_{GC}	309		625		894		1259		1990		2161						
	P_{GD}	478		1019		1450		1953		3106		3328						
2	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	234		427		553		590		509		*		*		*		*
	P_{GC}	295		593		852		1207		1947		2161		1626		*		*
	P_{GD}	455		964		1382		1873		3026		3313		2826		*		*
2.24	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	227		422		544		620		631		*		*		*		*
	P_{GC}	278		558		779		1151		1902		2172		1719		*		*
	P_{GD}	431		913		1264		1790		2964		3336		2963		*		*
2.5	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	211		405		525		614		676		*		*		*		*
	P_{GC}	251		518		723		1075		1810		2102		1746		*		*
	P_{GD}	388		848		1172		1674		2819		3228		2972		*		*
2.8	P_{GA}	50		*		*		*		*		*		*		*		*
	P_{GB}	199		384		553		658		705		*		*		*		*
	P_{GC}	231		475		733		1091		1698		2002		1748		1836		*
	P_{GD}	359		777		1189		1695		2647		3075		2947		3087		*
3.15	P_{GA}	63.8		*		*		*		*		*		*		*		*
	P_{GB}	200		415		702		828		1055		1033		816		*		*
	P_{GC}	226		481		881		1237		1858		2221		2223		2487		*
	P_{GD}	348		779		1442		1941		2879		3394		3634		4035		*
3.55	P_{GA}	59.8		*		*		*		*		*		*		*		*
	P_{GB}	183		407		649		778		998		1014		860		678		*
	P_{GC}	204		460		791		1124		1685		2042		2087		2387		*
	P_{GD}	314		746		1301		1768		2617		3123		3397		3839		*
4	P_{GA}	56.2		85.1		*		*		*		*		*		*		*
	P_{GB}	166		374		591		677		964		1012		938		821		623
	P_{GC}	181		410		696		937		1534		1870		1943		2263		*
	P_{GD}	280		665		1147		1483		2387		2866		3159		3625		*
4.5	P_{GA}	66.4		106		135		*		*		*		*		*		*
	P_{GB}	180		389		611		795		994		1193		1261		1192		1069
	P_{GC}	194		413		696		1049		1489		1992		2075		2382		*
	P_{GD}	298		669		1137		1646		2330		3062		3339		3779		*
5	P_{GA}	62.5		111		151		169		*		*		*		*		*
	P_{GB}	165		373		599		738		1020		1227		1395		1560		1526
	P_{GC}	173		390		659		930		1427		1911		2022		2660		*
	P_{GD}	266		631		1080		1464		2242		2942		3255		4202		*
5.6	P_{GA}	56		98.8		136		163		*		*		*		*		*
	P_{GB}	146		330		535		704		967		1104		1266		1433		1604
	P_{GC}	151		337		577		866		1337		1675		1787		2367		*
	P_{GD}	232		548		949		1370		2106		2586		2880		3741		*

* 請洽詢
P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

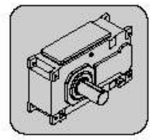
* on request
P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 H1SH
型號 3-19
n_1 = 1800 min[-1]

Gear Units

Thermal Capacities
Type H1SH
Sizes 3-19
n_1 = 1800 min[-1]



熱容量 P_G (kW) / Thermal capacities P_G (kW)																		
i_N		齒輪箱型號 / Gear unit sizes																
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.25	P_{GA}	*		*		*		*										
	P_{GB}	210		295		*		*										
	P_{GC}	314		650		851		1058										
	P_{GD}	514		1164		1554		1921										
1.4	P_{GA}	*		*		*		*										
	P_{GB}	214		327		300		*										
	P_{GC}	308		652		859		1096										
	P_{GD}	502		1158		1556		1953										
1.6	P_{GA}	*		*		*		*		*		*						
	P_{GB}	219		379		397		*		*		*						
	P_{GC}	294		643		848		1146		1465		*						
	P_{GD}	482		1131		1513		2002		2784		2485						
1.8	P_{GA}	*		*		*		*		*		*						
	P_{GB}	252		411		480		420		*		*						
	P_{GC}	323		623		867		1171		1625		1428						
	P_{GD}	527		1095		1531		2012		2972		2848						
2	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	245		409		491		454		*		*		*		*		*
	P_{GC}	308		595		833		1135		1628		1503		*		*		*
	P_{GD}	503		1039		1467		1943		2934		2909		1973		*		*
2.24	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	240		414		504		519		*		*		*		*		*
	P_{GC}	292		566		773		1105		1661		1651		*		*		*
	P_{GD}	478		990		1352		1879		2945		3070		2319		*		*
2.5	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	224		402		496		532		*		*		*		*		*
	P_{GC}	264		528		722		1043		1613		1661		*		*		*
	P_{GD}	431		922		1259		1768		2834		3033		2437		*		*
2.8	P_{GA}	*		*		*		*		*		*		*		*		*
	P_{GB}	212		386		531		589		*		*		*		*		*
	P_{GC}	244		486		737		1069		1543		1639		1152		*		*
	P_{GD}	399		848		1283		1801		2690		2947		2517		2389		*
3.15	P_{GA}	52.3		*		*		*		*		*		*		*		*
	P_{GB}	217		438		726		832		967		808		*		*		*
	P_{GC}	242		505		915		1268		1835		2097		1942		2051		*
	P_{GD}	389		862		1587		2118		3074		3528		3611		3882		*
3.55	P_{GA}	50		*		*		*		*		*		*		*		*
	P_{GB}	199		431		675		788		930		824		*		*		*
	P_{GC}	218		484		824		1156		1674		1947		1853		2012		*
	P_{GD}	352		827		1434		1933		2804		3265		3407		3739		*
4	P_{GA}	48.7		*		*		*		*		*		*		*		*
	P_{GB}	181		398		620		695		926		878		627		*		*
	P_{GC}	194		433		728		970		1542		1815		1779		1987		*
	P_{GD}	313		739		1268		1628		2575		3028		3225		3613		*
4.5	P_{GA}	61		*		*		*		*		*		*		*		*
	P_{GB}	198		419		653		837		1005		1142		1081		925		722
	P_{GC}	208		439		735		1100		1530		1999		2006		2245		*
	P_{GD}	334		746		1265		1822		2547		3300		3520		3924		*
5	P_{GA}	59.4		92.5		*		*		*		*		*		*		*
	P_{GB}	182		406		646		788		1059		1230		1310		1393		1281
	P_{GC}	186		416		700		983		1486		1956		2016		2605		*
	P_{GD}	299		706		1206		1628		2471		3208		3494		4463		*
5.6	P_{GA}	53.2		82.3		*		*		*		*		*		*		*
	P_{GB}	161		358		577		752		1004		1107		1189		1280		1346
	P_{GC}	162		360		613		915		1392		1715		1781		2318		*
	P_{GD}	261		613		1059		1523		2321		2820		3092		3973		*

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱
額定功率
類型 H2
型號 4-22

Gear Units
Nominal Power Ratings
Type H2
Sizes 4-22

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)

i_N	n_1	n_2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
			齒輪箱型號 / Gear unit sizes																		
6.3	1800	286	188	320		607		1009		1775		2575		4282*							
	1500	238	157	266		505		839		1477		2143		3563		4859					
	1200	190	125	212		403		670		1179		1710		2845		3879					
	1000	159	104	178		337		561		987		1431		2380		3246		4861			
7.1	1800	254	172	297		539		896		1577		2287		3803*	4255*						
	1500	211	143	247		448		744		1310		1900		3159	3535	4308					
	1200	169	115	198		359		596		1049		1521		2530	2831	3450	4070				
	1000	141	95	165		299		497		875		1269		2111	2362	2879	3395	4311	4946		
8	1800	225	157	263	318	478	603	793	994	1397	1738	2026	2520	3369*	3769*	4594*					
	1500	188	131	220	265	399	503	663	830	1167	1452	1692	2106	2815	3149	3838	4527				
	1200	150	105	175	212	318	402	529	662	931	1159	1350	1680	2246	2513	3062	3612	4586*			
	1000	125	87	146	176	265	335	441	552	776	965	1125	1400	1871	2094	2552	3010	3821	4384		
9	1800	200	140	234	301	425	536	705	883	1241	1545	1801	2240	2994*	3350*	4083*	4816*				
	1500	167	117	195	251	354	447	589	737	1036	1290	1503	1871	2500	2797	3409	4021				
	1200	133	93	155	200	282	356	469	587	825	1027	1197	1490	1991	2228	2715	3203	4066*	4665*		
	1000	111	77	130	167	235	297	391	490	689	857	999	1243	1662	1859	2266	2673	3393	3893	4765	
10	1800	180	118	197	271	382	482	635	795	1117	1390	1620	2016	2695*	3015*	3675*	4335*				
	1500	150	98	164	226	318	402	529	662	931	1159	1350	1680	2246	2513	3062	3612	4586*			
	1200	120	79	131	180	255	321	423	530	745	927	1080	1344	1796	2010	2450	2890	3669*	4209*		
	1000	100	65	109	150	212	268	352	441	620	772	900	1120	1497	1675	2041	2408	3057	3507	4293	4795
11.2	1800	161	106	178	242	342	431	568	711	999	1244	1449	1803	2410*	2697*	3287*	3877*	4922*			
	1500	134	88	148	202	284	359	472	592	832	1035	1206	1501	2006	2245	2736	3227	4097*	4700*		
	1200	107	70	118	161	227	286	377	472	664	826	963	1198	1602	1792	2184	2576	3271*	3753*	4593*	
	1000	89	58	98	134	189	238	314	393	552	687	801	997	1332	1491	1817	2143	2721	3121	3820	4268
12.5	1800	144	101	168	203	304	386	508	636	894	1112	1296	1613	2156*	2412*	2940*	3468*	4402*			
	1500	120	84	140	169	253	321	423	530	745	927	1080	1344	1796	2010	2450	2890	3669	4209*		
	1200	96	67	112	135	203	257	338	424	596	741	864	1075	1437	1608	1960	2312	2935	3367*	4121*	4603*
	1000	80	56	93	113	169	214	282	353	496	618	720	896	1197	1340	1633	1926	2446	2806	3434	3836
14	1800	129	90	151	182	274	345	455	570	801	996	1161	1445	1931*	2161*	2634*	3106*	3944*	4525*		
	1500	107	75	125	151	227	286	377	472	664	826	963	1198	1602	1792	2184	2576	3271	3753	4593*	
	1200	86	60	100	121	182	230	303	380	534	664	774	963	1287	1440	1756	2071	2629	3016	3692*	4124*
	1000	71	49	83	100	150	190	250	313	440	548	639	795	1063	1189	1449	1709	2170	2490	3048	3405
16	1800	113	79	132	170	240	301	398	499	701	873	1017	1266	1692*	1893*	2307*	2721*	3455*	3963*	4851*	
	1500	94	65	110	141	199	250	331	415	583	726	846	1053	1407	1574	1919	2263	2874	3297	4035*	4508*
	1200	75	52	87	113	159	200	264	331	465	579	675	840	1123	1256	1531	1806	2293	2630	3219*	3596*
	1000	63	44	73	94	133	168	222	278	391	486	567	705	943	1055	1286	1517	1926	2209	2704	3021
18	1800	100	65	109	150	198	268	352	441	620	772	900	1120	1497*	1675*	2041*	2408*	3057*	3507*	4293*	4795*
	1500	83	54	91	125	165	222	292	366	515	641	747	929	1242	1390	1694	1998	2537	2911	3563*	3980*
	1200	67	44	73	101	133	179	236	296	416	517	603	750	1003	1122	1368	1613	2048	2350	2876*	3213*
	1000	56	36	61	84	111	150	197	247	347	432	504	627	838	938	1143	1348	1712	1964	2404	2685
20	1800	90	62	105	135	179	241	317	397	558	695	810	1008	1347*	1507*	1837*	2167*	2751*	3157*	3863*	4316*
	1500	75	51	87	113	149	201	264	331	465	579	675	840	1123	1256	1531	1806	2293	2630	3219*	3596*
	1200	60	41	70	90	119	160	211	265	372	463	540	672	898	1005	1225	1445	1834	2104	2575*	2877*
	1000	50	34	58	75	99	134	176	220	310	386	450	560	748	837	1020	1204	1528	1753	2146	2397
22.4	1800	80	52	91	113	165	201	277	353	488	618		896		1340*		1926*		2806*		3836*
	1500	67	44	76	94	138	168	232	296	409	517		750		1122		1613		2350		3213*
	1200	54	35	61	76	111	135	187	238	329	417		605		904		1300		1894		2589*
	1000	45	29	51	63	93	113	155	198	274	347		504		753		1083		1578		2158
25	1800	72			107		180		318		556		806								
	1500	60			89		150		265		463		672								
	1200	48			71		120		212		370		537								
	1000	40			59		100		176		309		448								
28	1800	64			93		167		278		485										
	1500	54			78		141		235		409										
	1200	43			62		112		187		326										
	1000	36			52		94		156		273										

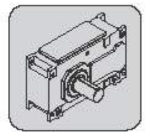
(grey box) 臥式安裝齒輪箱應採用強制潤滑	(grey box) Forced lubrication required on horizontal
* 請洽詢	* on request

齒輪箱

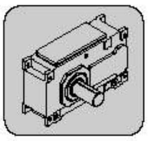
額定輸出扭矩
類型 H2
型號 4-22

Gear Units

Nominal Output Torques
Type H2
Sizes 4-22



額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)																				
iN	齒輪箱型號 / Gear unit sizes																			
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1.25	2.9		8		15.2		24.7													
1.6	3.3		8.6		16.3		27.1		46.0		67.4									
1.8	2.7		8.8		17.4		28.0		47.6		70.9									
2	2.8		9.4		17.8		28.7		49.1		72.9		129.0							
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130.0							
2.5	2.9		9.6		17.8		28.7		50.6		77.0		117.0							
2.8	3.1		9.6		17.1		27.2		50.6		77.0		120.0		171.0					
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124.0		173.0					
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126.0		173.0					
4	3.2		9.6		17.8		28.7		50.6		75.7		130.0		173.0		245.0			
4.5	2.5		7.7		15.8		24.6		46.0		61.6		109.0		146.0		216.0			
5	2.4		7.2		13.8		23.5		38.7		58.3		95.0		124.0		174.0			
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150			
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292			
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335	410	
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
12.5		6.7	11.2	13.5	20.2	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
16		6.7	11.2	14.4	20.3	25.5	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335	420	458
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345	420	470
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345	420	470
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345	410	470
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335	420	465
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345	420	470
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345	410	470
400						27.2		44.2		78		113		158		223		335		465
450						25.3		42.8		78		113								



齒輪箱 / Gear Units

熱容量
類型 H2
型號 4-22
$n_1 = 1000\ min^{-1}$

Thermal Capacities
Type H2
Sizes 4-22
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6.3	P_{GA}	54.1	66.5		90.3		116		134		*		*		*		*		*	
	P_{GB}	106	143		221		293		450		579		563		625		*		*	
	P_{GC}	120	190		305		475		696		1201		1434		1736		*		*	
	P_{GD}	162	256		417		626		951		1553		1782		2240		*		*	
7.1	P_{GA}	56.1	69		89.8		117		145		*		*	*	*	*	*	*	*	*
	P_{GB}	109	146		214		286		454		588		591	589	683	659	*	*	*	*
	P_{GC}	121	189		287		447		677		1163		1392	1448	1689	1737	*	*	*	*
	P_{GD}	165	256		394		589		931		1510		1746	1810	2186	2260	*	*	*	*
8	P_{GA}	54.4	68.3	74.5	89.1	99	118	120	152	161	*	*	*	*	*	*	*	*	*	*
	P_{GB}	104	142	157	208	235	279	290	449	509	591	656	613	620	733	719	*	*	*	*
	P_{GC}	115	182	197	272	312	425	472	646	884	1110	1263	1348	1407	1649	1693	*	*	*	*
	P_{GD}	155	245	266	376	428	562	618	895	1170	1455	1658	1696	1772	2154	2203	*	*	*	*
9	P_{GA}	53.4	67.9	78.1	89.3	100	120	124	160	182	195	212	*	*	*	*	*	*	*	*
	P_{GB}	109	174	197	259	294	403	442	599	861	1055	1224	1292	1366	1611	1662	*	*	*	*
	P_{GC}	101	139	159	202	228	272	283	437	520	594	672	635	655	786	789	*	*	*	*
	P_{GD}	150	234	266	357	405	536	582	833	1149	1395	1611	1644	1736	2120	2191	*	*	*	*
10	P_{GA}	51.1	65.4	77.4	88.3	100	119	125	164	193	209	234	200	198	*	*	*	*	*	*
	P_{GB}	95.7	131	156	193	222	262	278	424	516	587	673	640	668	812	830	*	*	*	*
	P_{GC}	102	160	189	243	280	378	422	564	821	999	1167	1224	1303	1548	1611	*	*	*	*
	P_{GD}	139	217	255	337	386	505	556	786	1106	1326	1551	1571	1674	2053	2143	*	*	*	*
11.2	P_{GA}	49.3	63.4	76	90.7	99	116	124	173	195	226	247	218	222	229	223	*	*	*	*
	P_{GB}	91.7	126	151	196	214	249	270	430	495	601	665	632	669	815	847	*	*	*	*
	P_{GC}	97	151	180	241	264	353	398	560	756	986	1113	1148	1237	1468	1553	*	*	*	*
	P_{GD}	132	205	245	336	367	473	528	784	1020	1319	1482	1485	1594	1958	2070	*	*	*	*
12.5	P_{GA}	47.8	63	72.3	90.2	95.6	116	122	178	194	226	252	235	235	260	250	301	289	*	*
	P_{GB}	87.6	123	142	191	205	244	259	425	475	572	648	637	656	833	844	*	*	*	*
	P_{GC}	93.6	149	165	236	250	342	375	549	710	906	1046	1128	1164	1430	1470	*	*	*	*
	P_{GD}	126	201	226	327	346	455	498	766	960	1212	1401	1459	1506	1914	1965	*	*	*	*
14	P_{GA}	45.5	60	69.8	83.8	97.7	114	119	173	202	225	266	240	252	274	281	328	333	*	*
	P_{GB}	82.9	116	135	175	207	236	247	403	483	547	659	614	659	814	860	*	*	*	*
	P_{GC}	87.5	138	156	211	248	322	349	509	705	840	1037	1049	1138	1339	1431	*	*	*	*
	P_{GD}	118	186	213	294	345	432	465	711	958	1131	1392	1365	1482	1802	1921	*	*	*	*
16	P_{GA}	41.8	56.6	68.9	79	97	108	117	166	206	212	263	252	254	280	292	341	354	336	*
	P_{GB}	75.7	108	131	163	201	221	240	377	476	501	626	617	634	782	837	*	*	*	*
	P_{GC}	78.8	126	154	194	242	295	339	464	688	744	947	1027	1059	1245	1341	*	*	*	*
	P_{GD}	107	171	208	269	336	397	449	650	932	1007	1276	1341	1381	1680	1810	*	*	*	*
18	P_{GA}	40.1	54.4	65.7	76.1	89.7	103	114	156	200	219	259	248	268	292	299	362	368	367	352
	P_{GB}	72.1	103	124	157	184	208	231	352	450	506	598	583	638	768	805	*	*	*	*
	P_{GC}	74.1	119	142	185	217	276	319	432	635	747	881	947	1037	1189	1243	*	*	*	*
	P_{GD}	100	162	194	257	301	371	425	609	864	1009	1189	1244	1359	1606	1689	*	*	*	*
20	P_{GA}	39.3	51.1	61.7	71.3	85.2	100	109	152	189	208	239	242	258	293	304	361	378	373	372
	P_{GB}	70.2	96.8	115	145	172	200	217	339	419	473	543	554	599	751	787	*	*	*	*
	P_{GC}	71.7	111	131	169	199	264	293	408	577	681	780	871	957	1140	1181	*	*	*	*
	P_{GD}	97.4	150	179	236	276	355	392	575	786	923	1056	1142	1257	1546	1602	*	*	*	*
22.4	P_{GA}	36.4	47.5	59	68.7	81.1	92.3	102	142	175		241		248		300		369		362
	P_{GB}	64.9	89.4	111	139	165	185	203	314	390		544		566		764		*		*
	P_{GC}	65.3	101	124	161	190	238	273	371	540		780		877		1133		*		*
	P_{GD}	88.9	137	169	224	263	320	366	524	736		1057		1153		1537		*		*
25	P_{GA}			55.3		75.8		99.4		170		227								
	P_{GB}			103		152		196		374		506								
	P_{GC}			114		174		262		506		713								
	P_{GD}			156		242		350		692		965								
26	P_{GA}			51.5		73.3		92.5		160										
	P_{GB}			95.8		146		182		347										
	P_{GC}			104		166		236		459										
	P_{GD}			142		230		318		630										

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

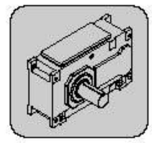
P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 H2
型號 4-22
n_1 = 1200 min^{-1}

Gear Units

Thermal Capacities
Type H2
Sizes 4-22
n_1 = 1200 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)

iN		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6.3	P_{GA}	49.2	54.6		67.4		*		*		*		*		*		*		*	
	P_{GB}	112	146		220		279		382		415		*		*		*		*	
	P_{GC}	126	196		311		475		665		1088		1192		1360		*		*	
	P_{GD}	176	276		445		658		966		1515		1628		1954		*		*	
7.1	P_{GA}	51.8	58.4		70.3		*		*		*		*	*	*	*	*	*	*	*
	P_{GB}	116	151		215		278		400		452		344	*	*	*	*	*	*	*
	P_{GC}	127	196		294		451		656		1075		1196	1220	1380	1383	*	*	*	*
	P_{GD}	180	276		422		624		956		1497		1636	1670	1971	1997	*	*	*	*
8	P_{GA}	50.9	59.5	63.6	72.9	77.3	88	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	111	149	162	212	236	276	283	410	443	484	526	407	386	*	*	*	*	*	*
	P_{GC}	121	189	204	281	319	432	477	635	853	1048	1183	1196	1228	1403	1409	*	*	*	*
	P_{GD}	170	266	288	404	458	599	654	929	1197	1465	1660	1629	1681	2003	2015	*	*	*	*
9	P_{GA}	51.1	61.6	69.8	77.5	84.3	97.8	97.3	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	109	147	167	210	234	277	285	419	482	529	589	495	490	552	523	*	*	*	*
	P_{GC}	116	182	206	269	305	415	453	601	852	1026	1184	1199	1253	1450	1473	*	*	*	*
	P_{GD}	164	255	289	386	437	576	622	878	1197	1436	1651	1635	1710	2059	2103	*	*	*	*
10	P_{GA}	49.5	60.9	71.3	79.5	88.1	102	104	121	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	103	140	166	204	232	272	285	420	498	549	624	545	554	645	635	*	*	*	*
	P_{GC}	108	169	198	255	292	392	436	573	825	991	1153	1172	1235	1446	1487	*	*	*	*
	P_{GD}	153	237	278	367	419	546	599	836	1167	1386	1616	1598	1691	2051	2121	*	*	*	*
11.2	P_{GA}	48.2	60.1	71.4	83.7	89.7	103	108	138	144	*	*	*	*	*	*	*	*	*	*
	P_{GB}	100	135	161	208	226	262	281	435	491	582	638	569	591	698	705	*	*	*	*
	P_{GC}	103	159	190	254	277	369	414	575	769	993	1116	1122	1200	1408	1474	*	*	*	*
	P_{GD}	145	225	268	366	400	514	572	841	1086	1393	1561	1535	1638	1994	2092	*	*	*	*
12.5	P_{GA}	47.1	60.4	68.9	84.6	88.4	105	109	149	154	167	*	*	*	*	*	*	*	*	*
	P_{GB}	95.8	133	153	204	218	258	273	436	480	567	638	596	604	748	742	*	*	*	*
	P_{GC}	99.8	158	175	249	263	358	393	568	728	921	1061	1118	1147	1396	1423	*	*	*	*
	P_{GD}	139	220	248	357	378	496	542	825	1029	1289	1487	1524	1566	1976	2017	*	*	*	*
14	P_{GA}	45.1	58.2	67.3	79.8	92	106	109	151	169	179	207	*	*	*	*	*	*	*	*
	P_{GB}	90.9	126	147	189	222	252	262	420	496	553	663	593	629	761	792	*	*	*	*
	P_{GC}	93.4	147	166	223	262	339	367	529	729	862	1062	1055	1138	1328	1410	*	*	*	*
	P_{GD}	130	204	234	322	377	472	507	770	1032	1211	1489	1440	1557	1883	1998	*	*	*	*
16	P_{GA}	41.7	55.4	67.1	76.1	92.6	102	109	148	179	176	216	185	*	*	*	*	*	*	*
	P_{GB}	83.1	118	143	177	216	237	256	397	496	514	640	610	620	754	797	*	*	*	*
	P_{GC}	84.3	135	164	206	256	312	357	485	716	769	977	1043	1071	1251	1341	*	*	*	*
	P_{GD}	118	189	229	295	368	435	491	706	1009	1085	1372	1426	1463	1772	1901	*	*	*	*
18	P_{GA}	40.2	53.7	64.5	74.2	86.8	99	109	144	180	191	223	197	207	217	*	*	*	*	*
	P_{GB}	79.3	113	136	170	200	225	249	375	474	528	621	590	640	762	790	*	*	*	*
	P_{GC}	79.3	127	152	196	231	292	337	455	664	778	915	973	1061	1210	1260	*	*	*	*
	P_{GD}	111	179	214	283	331	407	465	664	938	1093	1286	1333	1453	1710	1792	*	*	*	*
20	P_{GA}	39.5	50.6	60.9	69.9	82.9	97.1	104	142	172	185	211	200	208	228	230	264	*	*	*
	P_{GB}	77.4	106	126	158	187	217	235	362	444	497	569	567	608	755	785	*	*	*	*
	P_{GC}	76.7	118	140	180	212	280	311	430	606	712	814	899	985	1168	1204	*	*	*	*
	P_{GD}	107	166	197	260	304	390	430	628	856	1002	1145	1228	1349	1654	1708	*	*	*	*
22.4	P_{GA}	36.5	47.1	58.3	67.5	79.1	89.4	98.6	133	160		214		202		230		267		*
	P_{GB}	71.5	98	121	152	179	201	220	336	414		571		577		765		*		*
	P_{GC}	69.9	107	133	172	202	252	290	392	567		815		904		1157		*		*
	P_{GD}	98.3	151	187	247	290	352	401	573	802		1147		1238		1640		*		*
25	P_{GA}			54.7		74.1		95.8		156		202								
	P_{GB}			113		166		213		398		532								
	P_{GC}			122		185		278		532		745								
	P_{GD}			172		266		384		754		1048								
26	P_{GA}			51.2		72		89.9		149										
	P_{GB}			105.0		160		198		347										
	P_{GC}			111		177		251		484										
	P_{GD}			157		253		350		688										

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱
熱容量
類型 H2
型號 4-22

n_1 = 1500 min^{-1}

Gear Units
Thermal Capacities
Type H2
Sizes 4-22

n_1 = 1500 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6.3	P_{GA}	48.5	48.8		*		*		*		*		*		*		*		*	
	P_{GB}	132	172		256		322		428		442		*		*		*		*	
	P_{GC}	146	226		357		542		746		1197		1267		1410		*		*	
	P_{GD}	210	327		525		774		1124		1739		1824		2151		*		*	
7.1	P_{GA}	51.6	53.9		*		*		*		*		*	*	*	*	*	*	*	*
	P_{GB}	137	177		252		323		453		493		338	*	*	*	*	*	*	*
	P_{GC}	148	226		338		516		740		1193		1289	1305	1458	1443	*	*	*	*
	P_{GD}	214	327		499		735		1117		1728		1851	1880	2199	2209	*	*	*	*
8	P_{GA}	51.4	56.4	59.2	64.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	132	175	191	249	276	322	328	469	501	537	580	422	390	*	*	*	*	*	*
	P_{GC}	140	219	236	323	367	496	545	720	961	1171	1319	1306	1332	1507	1500	*	*	*	*
	P_{GD}	202	316	341	479	542	707	772	1088	1397	1700	1923	1860	1910	2261	2260	*	*	*	*
9	P_{GA}	52.4	60.5	67.8	73.2	77.2	86.3	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	129	174	198	248	275	324	333	484	553	600	666	541	530	584	542	*	*	*	*
	P_{GC}	135	211	238	311	352	477	521	686	968	1159	1335	1332	1386	1593	1608	*	*	*	*
	P_{GD}	196	303	344	458	518	682	736	1033	1405	1679	1927	1889	1970	2360	2400	*	*	*	*
10	P_{GA}	51.4	61.1	70.9	77.7	84.2	96	95.3	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	123	165	196	241	273	320	335	489	577	631	715	612	617	710	691	*	*	*	*
	P_{GC}	126	196	230	295	338	453	503	657	943	1128	1309	1316	1383	1611	1649	*	*	*	*
	P_{GD}	182	282	331	436	498	648	710	987	1375	1628	1896	1861	1964	2374	2447	*	*	*	*
11.2	P_{GA}	50.4	61.2	72.2	83.4	88	99.9	103	119	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	118	160	191	246	267	309	331	509	572	674	738	648	669	784	787	*	*	*	*
	P_{GC}	120	185	221	294	321	427	479	662	882	1135	1274	1269	1354	1582	1651	*	*	*	*
	P_{GD}	174	268	319	436	475	610	679	995	1283	1642	1838	1796	1913	2323	2431	*	*	*	*
12.5	P_{GA}	49.5	62.1	70.5	85.6	88.3	104	106	135	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	113	157	181	242	258	305	322	512	562	660	742	685	691	851	840	*	*	*	*
	P_{GC}	116	183	204	289	305	415	454	655	837	1056	1215	1272	1302	1579	1605	*	*	*	*
	P_{GD}	166	263	295	425	450	589	644	978	1218	1523	1755	1790	1836	2311	2355	*	*	*	*
14	P_{GA}	47.6	60.4	69.5	81.7	93.2	106	108	142	153	*	*	*	*	*	*	*	*	*	*
	P_{GB}	108	150	174	224	263	298	310	494	583	647	774	686	726	875	906	*	*	*	*
	P_{GC}	108	171	193	259	304	393	425	611	841	991	1220	1205	1298	1511	1600	*	*	*	*
	P_{GD}	155	243	279	384	449	562	603	914	1223	1434	1761	1697	1832	2211	2342	*	*	*	*
16	P_{GA}	44.1	57.8	69.8	78.6	94.9	104	110	144	169	160	193	*	*	*	*	*	*	*	*
	P_{GB}	98.9	140	169	210	257	281	303	469	583	603	751	710	721	873	919	*	*	*	*
	P_{GC}	98.1	157	191	239	297	362	414	561	827	887	1125	1196	1226	1429	1528	*	*	*	*
	P_{GD}	141	225	273	352	438	518	584	839	1197	1286	1626	1684	1726	2088	2236	*	*	*	*
18	P_{GA}	42.7	56.4	67.6	77.3	89.8	101	111	143	175	181	209	170	*	*	*	*	*	*	*
	P_{GB}	94.4	134	162	202	237	266	296	443	560	621	731	690	748	888	919	*	*	*	*
	P_{GC}	92.4	148	177	229	268	339	392	527	769	899	1057	1119	1219	1387	1442	*	*	*	*
	P_{GD}	132	213	255	338	395	486	555	790	1115	1297	1526	1578	1718	2020	2114	*	*	*	*
20	P_{GA}	42	53.3	64	73.1	86.3	100	107	142	170	179	202	179	182	*	*	*	*	*	*
	P_{GB}	92.1	126	150	188	222	257	278	428	525	586	670	665	712	882	915	*	*	*	*
	P_{GC}	89.4	138	162	209	247	326	362	499	702	823	941	1036	1133	1342	1382	*	*	*	*
	P_{GD}	128	198	235	310	363	465	512	747	1019	1191	1360	1455	1597	1956	2019	*	*	*	*
22.4	P_{GA}	38.9	49.7	61.3	70.7	82.4	92.6	101	133	159		206		179		*		*		*
	P_{GB}	85.2	116	144	181	213	239	261	397	489		673		676		893		*		*
	P_{GC}	81.5	125	155	200	235	293	337	454	657		942		1041		1329		*		*
	P_{GD}	117	181	223	295	346	420	478	682	954		1362		1467		1939		*		*
25	P_{GA}			57.6		77.2		98.9		155		195								
	P_{GB}			134		197		252		470		627								
	P_{GC}			142		216		323		617		862								
	P_{GD}			206		318		458		898		1245								
26	P_{GA}			54.1		75.5		93.4		150										
	P_{GB}			125		190		235		439										
	P_{GC}			130		206		292		562										
	P_{GD}			187		302		417		819										

* 請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)

P_{GB} (kW) 齒輪箱帶冷卻風扇 **)

P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)

P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

***) 表中數值按冷卻水入口溫度20°C

* on request

P_{GA} (kW) Gear units without auxiliary cooling **)

P_{GB} (kW) Gear units with fan **)

P_{GC} (kW) Gear units with built-in cooling coil **) ***)

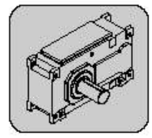
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱
熱容量
類型 H2
型號 4-22
n_1 = 1800 min^{-1}

Gear Units
Thermal Capacities
Type H2
Sizes 4-22
n_1 = 1800 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)																				
i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6.3	P_{GA}	40.6	*		*		*		*		*		*		*		*		*	
	P_{GB}	144	181		263		319		366		*		*		*		*		*	
	P_{GC}	157	239		373		558		732		1102		1027		1020		*		*	
	P_{GD}	236	361		574		832		1154		1678		1562		1661		*		*	
7.1	P_{GA}	44.6	*		*		*		*		*		*	*	*	*	*	*	*	*
	P_{GB}	150	189		262		325		408		357		*	*	*	*	*	*	*	*
	P_{GC}	159	241		355		536		738		1127		1102	1081	1147	1080	*	*	*	*
	P_{GD}	240	363		548		797		1163		1710		1666	1644	1832	1759	*	*	*	*
8	P_{GA}	45.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	145	188	204	262	287	330	332	441	444	436	453	*	*	*	*	*	*	*	*
	P_{GC}	152	234	251	342	386	519	567	728	954	1134	1266	1169	1165	1269	1219	*	*	*	*
	P_{GD}	228	352	379	529	595	772	837	1149	1449	1722	1931	1749	1757	2006	1941	*	*	*	*
9	P_{GA}	48.3	50.5	54.7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	143	189	214	266	293	341	347	481	530	547	595	402	363	*	*	*	*	*	*
	P_{GC}	146	227	256	332	374	505	548	707	985	1160	1327	1265	1296	1455	1438	*	*	*	*
	P_{GD}	221	340	384	510	574	753	809	1113	1494	1755	2003	1877	1930	2262	2254	*	*	*	*
10	P_{GA}	48.5	53.7	61	63.7	65.2	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	136	181	214	261	294	342	355	501	577	611	683	526	510	547	495	*	*	*	*
	P_{GC}	137	211	248	317	361	483	534	687	975	1152	1331	1294	1345	1541	1555	*	*	*	*
	P_{GD}	207	318	372	489	555	720	787	1077	1485	1736	2013	1913	1999	2378	2418	*	*	*	*
11.2	P_{GA}	48.3	55.6	64.6	72.1	73.2	79.4	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	132	177	210	269	290	333	355	533	587	675	733	600	604	679	655	*	*	*	*
	P_{GC}	130	200	239	317	345	457	512	698	923	1175	1314	1276	1350	1558	1609	*	*	*	*
	P_{GD}	197	303	359	490	533	682	756	1095	1401	1775	1980	1886	1994	2393	2478	*	*	*	*
12.5	P_{GA}	47.9	57.7	64.6	76.5	76.6	87.5	86.5	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	127	174	200	266	282	332	348	543	587	677	756	662	656	786	754	*	*	*	*
	P_{GC}	126	199	221	313	329	447	487	695	883	1105	1267	1298	1321	1585	1598	*	*	*	*
	P_{GD}	189	297	333	480	506	661	720	1083	1340	1662	1910	1908	1945	2426	2451	*	*	*	*
14	P_{GA}	46.5	57	65	75	83.7	93.7	92.7	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	120	166	193	247	289	326	338	530	618	676	805	686	717	846	861	*	*	*	*
	P_{GC}	118	186	209	281	329	424	458	653	892	1045	1284	1246	1336	1543	1623	*	*	*	*
	P_{GD}	177	276	316	434	507	632	677	1018	1355	1578	1933	1832	1969	2358	2482	*	*	*	*
16	P_{GA}	43.5	55.4	66.4	73.6	87.3	94.2	98	116	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	110	155	188	232	283	309	333	507	625	639	792	727	731	872	905	*	*	*	*
	P_{GC}	107	171	207	260	322	392	448	602	882	941	1192	1249	1275	1477	1571	*	*	*	*
	P_{GD}	160	256	310	399	496	584	658	939	1333	1424	1797	1836	1875	2253	2401	*	*	*	*
18	P_{GA}	42.3	54.7	65.2	73.7	84.5	94.5	102	122	142	*	*	*	*	*	*	*	*	*	*
	P_{GB}	105	150	180	225	263	295	326	483	606	667	782	722	777	912	934	*	*	*	*
	P_{GC}	101	161	192	249	292	368	424	567	825	960	1127	1180	1282	1451	1503	*	*	*	*
	P_{GD}	151	242	290	383	447	550	627	887	1249	1446	1698	1736	1885	2206	2299	*	*	*	*
20	P_{GA}	41.8	52.1	62.2	70.2	82	94.4	99.9	125	144	142	157	*	*	*	*	*	*	*	*
	P_{GB}	103	140	168	210	246	285	308	469	571	633	722	702	748	918	944	*	*	*	*
	P_{GC}	97.8	150	177	228	268	354	392	539	755	882	1007	1098	1197	1412	1449	*	*	*	*
	P_{GD}	146	225	268	352	411	527	580	842	1143	1331	1519	1609	1761	2148	2209	*	*	*	*
22.4	P_{GA}	38.7	48.6	59.6	68	78.5	87.3	94.7	118	135		162		*		*		*		*
	P_{GB}	95.6	130	161	202	237	265	289	436	533		726		712		924		*		*
	P_{GC}	89.1	136	169	218	256	319	366	491	708		1009		1101		1395		*		*
	P_{GD}	133	205	253	335	392	476	541	768	1071		1522		1619		2125		*		*
25	P_{GA}			56.1		73.8		92.5		133		156								
	P_{GB}			150		219		280		513		678								
	P_{GC}			154		235		351		665		924								
	P_{GD}			234		360		519		1009		1392								
26	P_{GA}			53		72.8		88.5		133										
	P_{GB}			139		212		261		482										
	P_{GC}			142		224		318		606										
	P_{GD}			213		344		473		923										

* 請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)

P_{GB} (kW) 齒輪箱帶冷卻風扇 **)

P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)

P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

***) 表中數值按冷卻水入口溫度20°C

* on request

P_{GA} (kW) Gear units without auxiliary cooling **)

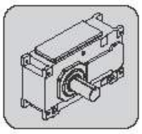
P_{GB} (kW) Gear units with fan **)

P_{GC} (kW) Gear units with built-in cooling coil **) ***)

P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱
額定功率
類型 H3
型號 5-22

Gear Units
Nominal Power Ratings
Type H3
Sizes 5-22

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)

i_N	n1	n2	齒輪箱型號 / Gear unit sizes																	
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22.4	1800	80									737		1281		1675		2513 *		3518 *	
	1500	67									617		1073		1403		2104		2946	
	1200	54									497		865		1130		1696		2374	
	1000	45									414		720		942		1413		1979	
25	1800	72	87		163		269		478		663		1153	1304	1507	1809	2261 *	2601 *	3166 *	3543 *
	1500	60	72		136		224		398		552		961	1086	1256	1507	1884	2167	2638	2952
	1200	48	58		109		179		319		442		769	869	1005	1206	1507	1734	2110	2362
	1000	40	48		90		149		265		368		640	724	837	1005	1256	1445	1759	1968
28	1800	64	77		145		239		425		589	730	1025	1159	1340	1608	2010 *	2312 *	2814 *	3149 *
	1500	54	65		122		201		359		497	616	865	978	1130	1357	1696	1950	2374	2657
	1200	43	52		97		160		285		396	490	688	778	900	1080	1350	1553	1891	2116
	1000	36	43		81		134		239		331	410	576	652	753	904	1130	1300	1583	1771
31.5	1800	57	69	92	129	162	213	261	379	460	525	650	913	1032	1193	1432	1790 *	2059 *	2506 *	2805 *
	1500	48	58	77	109	136	179	220	319	388	442	547	769	869	1005	1206	1507	1734	2110	2362
	1200	38	46	61	86	108	142	174	252	307	350	433	608	688	795	954	1193	1372	1671	1870
	1000	32	38	51	72	91	119	146	212	258	294	365	512	579	670	804	1005	1156	1407	1574
35.5	1800	51	61	82	115	145	190	233	339	412	469	582	817	923	1068	1281	1602 *	1842 *	2242 *	2509 *
	1500	42	51	68	95	119	157	192	279	339	387	479	672	760	879	1055	1319	1517	1847	2067
	1200	34	41	55	77	96	127	155	226	274	313	388	544	615	712	854	1068	1228	1495	1673
	1000	28	34	45	63	79	104	128	186	226	258	319	448	507	586	703	879	1011	1231	1378
40	1800	45	54	73	102	128	168	206	299	363	414	513	720	815	942	1130	1413 *	1625 *	1979 *	2214 *
	1500	38	46	61	86	108	142	174	252	307	350	433	608	688	795	954	1193	1372	1671	1870
	1200	30	36	48	68	85	112	137	199	242	276	342	480	543	628	753	942	1083	1319	1476
	1000	25	30	40	56	71	93	114	166	202	230	285	400	452	523	628	785	903	1099	1230
45	1800	40	48	64	90	113	149	183	265	323	368	456	640	724	837	1005	1256 *	1445 *	1759 *	1968 *
	1500	33	40	53	74	93	123	151	219	266	304	376	528	597	691	829	1036	1192	1451	1624
	1200	27	32	43	61	76	100	123	179	218	248	308	432	489	565	678	848	975	1187	1328
	1000	22	26	35	49	62	82	100	146	177	202	251	352	398	460	552	691	794	967	1082
50	1800	36	43	58	81	102	134	165	239	291	331	410	576	652	753	904	1130	1300 *	1583 *	1771 *
	1500	30	36	48	68	85	112	137	199	242	276	342	480	543	628	753	942	1083	1319	1476
	1200	24	29	38	54	68	89	110	159	194	221	273	384	434	502	603	753	867	1055	1181
	1000	20	24	32	45	56	74	91	132	161	184	228	320	362	418	502	628	722	879	984
56	1800	32	38	51	72	91	119	146	212	258	294	365	512	579	670	804	1005	1156	1407 *	1574 *
	1500	27	32	43	61	76	100	123	179	218	248	308	432	489	565	678	848	975	1187	1328
	1200	21	25	34	47	59	78	96	139	169	193	239	336	380	439	527	659	758	923	1033
	1000	17.9	21	29	40	50	66	82	119	144	164	204	286	324	374	449	562	646	787	880
63	1800	29	35	47	65	82	108	133	192	234	267	330	464	525	607	728	910	1047	1275 *	1427 *
	1500	24	29	38	54	68	89	110	159	194	221	273	384	434	502	603	753	867	1055	1181
	1200	19	23	30	43	54	71	87	126	153	175	216	304	344	397	477	596	686	835	935
	1000	15.9	19	25	36	45	59	72	105	128	146	181	254	288	332	399	499	574	699	782
71	1800	25	30	40	56	71	93	114	166	202	230	285	400	452	523	628	785	903	1099 *	1230 *
	1500	21	25	34	47	59	78	96	139	169	193	239	336	380	439	527	659	758	923	1033
	1200	16.9	20	27	38	48	63	77	112	136	155	192	270	306	353	424	530	610	743	831
	1000	14.1	17	22	32	40	52	64	93	113	129	160	225	255	295	354	442	509	620	693
80	1800	23	27	37	52	65	85	105	152	185	211	262	368	416	481	578	722	830	1011 *	1131 *
	1500	18.8	22	30	42	53	70	86	125	151	173	214	301	340	393	472	590	679	826	925
	1200	15	18	24	34	42	56	68	99	121	138	171	240	271	314	376	471	541	659	738
	1000	12.5	15	20	28	35	46	57	83	101	115	142	200	226	261	314	392	451	549	615
90	1800	20	24	32	41	56	72	91	132	161	184	228	320	362	418	502	607	722	858 *	984 *
	1500	16.7	20	27	34	47	60	76	111	134	153	190	267	302	349	419	507	603	716	821
	1200	13.3	16	21	27	37	48	60	88	107	122	151	213	240	278	334	403	480	570	654
	1000	11.1	13	18	23	31	40	50	73	89	102	126	177	201	232	278	337	400	476	546
100	1800	18		27		51		82		145		205		326		425		631		876 *
	1500	15		22		42		68		121		171		271		354		526		730
	1200	12		18		34		55		97		136		217		283		420		584
	1000	10		15		28		45		80		114		181		236		350		486
112	1800	16.1		25		42		72		130		183								
	1500	13.4		21		35		60		108		152								
	1200	10.7		16		28		47		86		122								
	1000	8.9		13		23		39		71		101								

(grey)	臥式安裝齒輪箱應採用強制潤滑
*	請洽詢

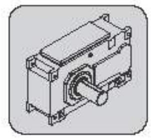
(grey)	Forced lubrication required on horizontal
*	on request

齒輪箱

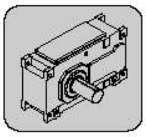
額定輸出扭矩
類型 H3
型號 5-22

Gear Units

Nominal Output Torques
Type H3
Sizes 5-22



i_N	額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)																			
	齒輪箱型號 / Gear unit sizes																			
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1.25	2.9		8		15.2		24.7													
1.6	3.3		8.6		16.3		27.1		46		67.4									
1.8	2.7		8.8		17.4		28		47.6		70.9									
2	2.8		9.4		17.8		28.7		49.1		72.9		129							
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130							
2.5	2.9		9.6		17.8		28.7		50.6		77		117							
2.8	3.1		9.6		17.1		27.2		50.6		77		120		171					
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124		173					
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173					
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245			
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216			
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174			
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150			
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292			
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335	410	
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
12.5		6.7	11.2	13.5	20.2	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
16		6.7	11.2	14.4	20.3	25.5	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335	420	458
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345	420	470
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345	420	470
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345	410	470
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335	420	465
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345	420	470
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345	410	470
400						27.2		44.2		78		113		158		223		335		465
450						25.3		42.8		78		113								



齒輪箱

熱容量
類型 H3
型號 5-22
$n_1 = 1000\ min^{-1}$

Gear Units

Thermal Capacities
Type H3
Sizes 5-22
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																			
i_N		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22.4	P_{GA}									196		258		270		325		350	
	P_{GB}									303		432		440		*		*	
	P_{GC}									561		903		930		*		*	
	P_{GD}									650		1043		1029		*		*	
25	P_{GA}	49.9		73.5		99.3		145		191		253	265	263	276	323	333	363	343
	P_{GB}	73.4		110		152		230		294		420	443	427	451	*	*	*	*
	P_{GC}	105		169		247		419		533		850	913	851	906	*	*	*	*
	P_{GD}	125		201		293		492		617		986	1055	972	1033	*	*	*	*
28	P_{GA}	48		74.2		99		142		186	214	254	264	265	274	326	338	380	370
	P_{GB}	70.7		112		150		222		286	327	417	434	425	441	*	*	*	*
	P_{GC}	99.7		167		239		392		500	586	820	860	819	854	*	*	*	*
	P_{GD}	118		200		284		464		583	680	957	999	942	981	*	*	*	*
31.5	P_{GA}	46.7	54	71.4	79.1	96.9	100	138	164	184	211	252	265	263	276	327	341	394	389
	P_{GB}	68.5	78.6	107	118	146	151	215	255	279	319	411	432	418	440	*	*	*	*
	P_{GC}	95.6	109	158	173	230	286	374	431	480	556	783	829	785	826	*	*	*	*
	P_{GD}	114	130	190	206	273	333	443	509	560	647	917	969	906	952	*	*	*	*
35.5	P_{GA}	45.2	51.9	69.4	79.7	93.9	99.8	134	159	180	206	244	264	255	274	325	342	404	404
	P_{GB}	66.2	75.6	104	119	142	149	208	246	271	311	395	425	401	433	*	*	*	*
	P_{GC}	91.3	103	151	171	219	278	354	403	456	523	725	792	725	789	*	*	*	*
	P_{GD}	109	123	183	205	262	324	422	480	534	612	854	934	844	916	*	*	*	*
40	P_{GA}	42.7	50.4	66	76.6	88.9	96.5	129	155	174	201	237	253	247	264	317	336	401	407
	P_{GB}	62.3	73.3	98.9	113	134	145	199	238	261	302	380	406	387	412	*	*	*	*
	P_{GC}	84.8	98.8	141	161	204	265	333	384	431	499	683	734	685	730	*	*	*	*
	P_{GD}	101	117	170	194	244	310	397	457	506	586	809	867	799	853	*	*	*	*
45	P_{GA}	40.8	48.7	63.6	74.3	85.6	94	128	149	167	194	237	245	246	254	316	326	393	402
	P_{GB}	59.6	70.7	95	110	128	141	199	229	250	291	378	390	383	397	*	*	*	*
	P_{GC}	80.1	94.4	134	155	193	254	326	364	405	475	669	693	670	689	*	*	*	*
	P_{GD}	96	113	162	186	232	298	389	434	475	557	793	817	782	804	*	*	*	*
50	P_{GA}	39.6	46.1	60.1	70.9	84.2	89.4	127	145	166	190	241	249	248	259	320	332	410	410
	P_{GB}	57.5	66.7	89.6	104	126	133	195	222	245	283	378	393	381	399	*	*	*	*
	P_{GC}	77.3	87.7	126	145	189	236	319	344	394	448	662	678	655	671	*	*	*	*
	P_{GD}	92.8	105	152	174	225	277	381	411	465	529	785	805	771	793	*	*	*	*
56	P_{GA}	37.6	44.3	57.5	68.4	80.4	86.2	118	145	161	183	232	250	240	258	311	332	401	421
	P_{GB}	54.5	63.9	85.2	100	120	128	181	221	238	271	361	390	367	394	*	*	*	*
	P_{GC}	72.6	83	118	138	176	223	289	337	373	421	617	669	614	660	*	*	*	*
	P_{GD}	86.7	99.7	143	166	212	262	345	403	441	499	735	795	723	777	*	*	*	*
63	P_{GA}	35.5	42.7	53.7	64.7	76.2	84.6	113	143	154	180	222	242	230	250	295	324	393	413
	P_{GB}	51.2	61.4	79.4	95.1	112	124	171	216	226	265	343	375	349	378	*	*	*	*
	P_{GC}	67.3	80.1	109	129	163	218	268	330	347	410	570	622	567	616	*	*	*	*
	P_{GD}	80.6	96.2	130	156	197	257	321	395	411	486	681	746	672	730	*	*	*	*
71	P_{GA}	35.1	40.5	52.1	61.6	74.6	80.5	110	133	150	174	216	229	221	237	292	303	373	397
	P_{GB}	50.6	58.1	76.7	90.4	110	119	166	200	219	255	333	353	334	357	*	*	*	*
	P_{GC}	66.5	75.1	104	120	160	204	258	298	331	389	548	577	542	571	*	*	*	*
	P_{GD}	79.7	89.9	126	145	191	239	309	357	393	461	655	690	644	676	*	*	*	*
80	P_{GA}	33.3	38.2	50.9	57.6	70.6	76.1	104	125	145	165	208	222	213	228	277	299	358	377
	P_{GB}	47.9	54.5	74.9	84.1	104	111	156	188	213	241	320	342	321	343	*	*	*	*
	P_{GC}	61.8	69.7	100	111	148	189	238	277	319	361	517	555	512	546	*	*	*	*
	P_{GD}	74.2	83.6	121	134	179	222	286	332	378	429	620	663	608	648	*	*	*	*
90	P_{GA}	32.9	37.8	48.1	55.7	67.1	74.3	100	123	136	160	196	215	201	219	263	283	349	361
	P_{GB}	47.3	54.1	70.7	81.1	98.8	108	151	183	199	233	301	328	302	329	*	*	*	*
	P_{GC}	60.1	69.1	93.1	107	138	185	228	267	293	345	479	524	474	516	*	*	*	*
	P_{GD}	72.3	82.8	112	129	166	217	275	321	348	409	573	628	564	614	*	*	*	*
100	P_{GA}		35.9		54.6		70.7		116		156		203		208		272		356
	P_{GB}		51.2		79.5		103		173		227		310		310		*		*
	P_{GC}		64.2		103		172		247		332		484		478		*		*
	P_{GD}		77.2		125		202		297		394		581		569		*		*
112	P_{GA}		35.5		51.7		67.2		112		146								
	P_{GB}		50.7		75.2		98.3		168		213								
	P_{GC}		62.5		95.8		159		237		306								
	P_{GD}		75.2		116		188		286		364								

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

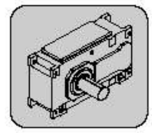
熱容量
類型 H3
型號 5-22

n_1 = 1200 min^{-1}

Gear Units

Thermal Capacities
Type H3
Sizes 5-22

n_1 = 1200 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)																			
i_N		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22.4	P_{GA}									173		209		206		232		*	
	P_{GB}									295		393		382		*		*	
	P_{GC}									580		913		901		*		*	
	P_{GD}									681		1059		1023		*		*	
25	P_{GA}	49.8		72.6		96.6		136		170		207	212	203	207	234	235	*	*
	P_{GB}	79.1		118		160		235		288		385	399	375	386	*	*	*	*
	P_{GC}	113		180		262		439		552		862	921	852	900	*	*	*	*
	P_{GD}	138		221		319		527		647		1004	1066	970	1021	*	*	*	*
28	P_{GA}	48.1		73.7		97.1		134		170	193	216	221	215	217	252	255	*	*
	P_{GB}	76.5		120		159		229		285	324	394	404	387	394	*	*	*	*
	P_{GC}	106		179		255		413		521	609	839	875	828	859	*	*	*	*
	P_{GD}	131		221		311		500		617	718	987	1024	956	987	*	*	*	*
31.5	P_{GA}	47.1	54.2	71.3	78.6	95.8	98.4	132	156	171	194	222	230	223	230	267	274	276	*
	P_{GB}	74.4	85.3	115	127	157	161	225	263	283	322	399	415	394	408	*	*	*	*
	P_{GC}	102	117	169	185	245	305	396	454	503	581	808	852	802	840	*	*	*	*
	P_{GD}	126	144	210	227	300	365	481	549	598	690	959	1008	935	975	*	*	*	*
35.5	P_{GA}	45.7	52.5	69.7	79.8	93.6	99	130	153	171	194	222	237	226	239	279	290	311	292
	P_{GB}	72.2	82.4	113	128	153	160	220	257	280	320	393	420	391	417	*	*	*	*
	P_{GC}	98.3	110	163	183	234	297	376	427	481	550	755	822	749	812	*	*	*	*
	P_{GD}	121	137	202	227	289	356	460	521	576	658	905	984	884	954	*	*	*	*
40	P_{GA}	43.3	51.1	66.5	76.9	88.9	96.2	126	150	167	192	219	231	223	235	279	293	322	310
	P_{GB}	68.1	80	107	123	145	156	212	251	272	313	383	406	383	404	*	*	*	*
	P_{GC}	91.3	106	151	173	219	284	355	407	455	527	714	765	712	756	*	*	*	*
	P_{GD}	112	131	189	215	270	342	434	497	547	633	862	921	843	895	*	*	*	*
45	P_{GA}	41.5	49.4	64.2	74.7	85.9	93.9	126	145	161	186	220	226	224	229	281	287	321	313
	P_{GB}	65.2	77.3	103	120	139	152	212	242	261	303	384	393	382	392	*	*	*	*
	P_{GC}	86.3	101	144	166	207	272	347	387	429	502	701	724	698	715	*	*	*	*
	P_{GD}	106	125	180	206	256	329	427	474	516	603	847	871	828	848	*	*	*	*
50	P_{GA}	40.4	47	61.2	71.9	85.2	90.3	127	144	164	187	232	239	236	245	300	309	365	356
	P_{GB}	63.2	73.2	98.2	114	137	145	210	238	262	301	395	410	394	410	*	*	*	*
	P_{GC}	83.5	94.6	136	156	203	254	342	368	421	477	701	717	691	707	*	*	*	*
	P_{GD}	103	117	169	193	250	307	421	452	510	580	852	872	832	853	*	*	*	*
56	P_{GA}	38.5	45.3	58.7	69.7	81.8	87.7	119	146	161	183	228	245	234	250	300	319	374	386
	P_{GB}	60.1	70.4	93.7	110	131	140	197	240	257	292	384	414	387	414	*	*	*	*
	P_{GC}	78.5	89.7	128	148	190	241	311	361	400	451	658	713	652	700	*	*	*	*
	P_{GD}	96.9	111	160	185	236	292	383	446	486	550	805	869	789	846	*	*	*	*
63	P_{GA}	36.4	43.9	55.1	66.4	78	86.5	115	145	156	182	222	242	229	249	293	320	382	398
	P_{GB}	56.6	67.9	87.6	105	124	137	188	236	247	289	371	405	375	406	*	*	*	*
	P_{GC}	72.8	86.6	118	139	176	235	289	356	374	441	611	667	607	659	*	*	*	*
	P_{GD}	90.2	107	146	174	220	286	357	439	456	540	753	824	741	804	*	*	*	*
71	P_{GA}	36.1	41.6	53.5	63.2	76.4	82.4	112	135	152	177	217	230	222	236	290	301	365	385
	P_{GB}	56	64.3	84.8	99.8	122	131	182	219	239	279	361	382	361	385	*	*	*	*
	P_{GC}	72	81.2	113	130	173	220	279	321	357	419	589	620	581	611	*	*	*	*
	P_{GD}	89.2	100	141	163	214	267	345	398	436	512	725	764	712	746	*	*	*	*
80	P_{GA}	34.3	39.2	52.3	59.1	72.4	78	106	128	148	167	210	224	214	228	277	299	352	368
	P_{GB}	53	60.3	82.8	92.9	114	123	172	207	233	264	348	371	348	371	*	*	*	*
	P_{GC}	66.9	75.5	109	120	160	204	257	298	344	389	556	596	550	586	*	*	*	*
	P_{GD}	83	93.6	136	150	200	248	319	370	420	478	688	735	673	716	*	*	*	*
90	P_{GA}	33.9	38.9	49.5	57.2	68.8	76.2	103	125	138	163	199	217	203	220	264	284	345	355
	P_{GB}	52.4	59.8	78.3	89.7	109	119	166	201	218	256	328	358	329	357	*	*	*	*
	P_{GC}	65.1	74.8	100	115	149	200	247	288	316	372	515	563	509	555	*	*	*	*
	P_{GD}	81	92.7	126	145	186	242	307	358	388	455	637	697	625	680	*	*	*	*
100	P_{GA}		37		56.3		72.7		119		160		207		212		276		358
	P_{GB}		56.8		88.1		114		191		251		340		340		*		*
	P_{GC}		69.5		112		186		267		359		523		515		*		*
	P_{GD}		86.5		140		226		332		441		648		634		*		*
112	P_{GA}		36.6		53.3		69.2		116		150								
	P_{GB}		56.2		83.4		108		185		235								
	P_{GC}		67.8		103		172		257		330								
	P_{GD}		84.3		130		211		320		407								

* 請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)

P_{GB} (kW) 齒輪箱帶冷卻風扇 **)

P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)

P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

***) 表中數值按冷卻水入口溫度20°C

* on request

P_{GA} (kW) Gear units without auxiliary cooling **)

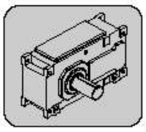
P_{GB} (kW) Gear units with fan **)

P_{GC} (kW) Gear units with built-in cooling coil **) ***)

P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱

熱容量
類型 H3
型號 5-22
n_1 = 1500 min^{-1}

Gear Units

Thermal Capacities
Type H3
Sizes 5-22
n_1 = 1500 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)																			
i_N		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22.4	P_{GA}									169		193		180		*		*	
	P_{GB}									346		463		450		*		*	
	P_{GC}									668		1050		1035		*		*	
	P_{GD}									811		1267		1228		*		*	
25	P_{GA}	52.5		76.1		100		138		167		192	193	180	*	*	*	*	*
	P_{GB}	92.4		138		187		275		338		453	470	442	455	*	*	*	*
	P_{GC}	130		208		302		507		636		992	1059	979	1035	*	*	*	*
	P_{GD}	163		261		378		626		771		1201	1277	1164	1227	*	*	*	*
28	P_{GA}	50.9		77.5		101		137		169	191	206	207	198	196	222	*	*	*
	P_{GB}	89.4		140		186		268		334	380	463	475	455	464	*	*	*	*
	P_{GC}	123		207		294		477		600	701	966	1008	953	988	*	*	*	*
	P_{GD}	155		261		368		593		734	854	1179	1224	1145	1182	*	*	*	*
31.5	P_{GA}	49.9	57.4	75.3	82.8	100	102	137	159	173	196	217	222	212	216	246	249	*	*
	P_{GB}	86.9	99.6	135	148	183	188	263	308	332	377	468	487	463	480	*	*	*	*
	P_{GC}	118	135	195	214	283	352	457	523	580	670	930	981	924	967	*	*	*	*
	P_{GD}	149	170	248	268	355	432	570	650	710	819	1143	1202	1116	1165	*	*	*	*
35.5	P_{GA}	48.6	55.7	73.9	84.4	98.7	104	135	158	175	198	222	235	221	232	268	276	273	*
	P_{GB}	84.3	96.2	132	150	178	186	257	300	328	374	461	493	459	489	*	*	*	*
	P_{GC}	113	127	188	211	271	343	434	492	555	634	870	948	863	935	*	*	*	*
	P_{GD}	143	161	239	268	342	421	544	617	683	781	1075	1171	1052	1137	*	*	*	*
40	P_{GA}	46.1	54.3	70.6	81.4	93.9	101	132	156	172	197	221	232	221	231	272	283	293	269
	P_{GB}	79.5	93.4	125	144	170	182	248	293	318	366	449	476	449	474	*	*	*	*
	P_{GC}	105	122	175	200	252	327	410	470	525	608	823	882	820	871	*	*	*	*
	P_{GD}	133	154	223	254	319	404	514	589	649	750	1024	1094	1003	1066	*	*	*	*
45	P_{GA}	44.2	52.5	68.2	79.2	90.8	99.1	132	151	166	192	223	227	224	227	276	280	297	278
	P_{GB}	76.1	90.2	120	140	162	177	247	283	306	355	450	460	448	460	*	*	*	*
	P_{GC}	99.7	117	167	192	239	314	401	447	495	579	809	835	804	823	*	*	*	*
	P_{GD}	126	148	212	243	303	388	505	561	611	714	1006	1034	985	1009	*	*	*	*
50	P_{GA}	43.2	50.1	65.2	76.6	90.6	95.9	134	151	171	195	240	246	242	250	304	313	360	344
	P_{GB}	73.8	85.5	114	133	160	169	246	278	306	352	462	479	462	480	*	*	*	*
	P_{GC}	96.4	109	157	181	235	293	395	425	485	551	809	827	797	815	*	*	*	*
	P_{GD}	122	138	200	228	295	362	497	534	603	686	1009	1033	987	1012	*	*	*	*
56	P_{GA}	41.2	48.5	62.7	74.4	87.3	93.4	127	154	170	192	239	256	243	260	310	329	379	387
	P_{GB}	70.1	82.2	109	129	153	164	230	280	300	341	449	484	453	485	*	*	*	*
	P_{GC}	90.6	103	148	172	219	278	359	417	461	521	759	822	752	808	*	*	*	*
	P_{GD}	114	131	188	218	278	344	452	527	574	650	952	1028	934	1001	*	*	*	*
63	P_{GA}	39.1	47	59	71	83.5	92.5	122	154	166	194	235	255	241	262	307	336	397	411
	P_{GB}	66.1	79.2	102	122	145	160	219	276	288	338	434	473	439	474	*	*	*	*
	P_{GC}	84.1	100	136	161	204	272	334	411	432	510	706	770	700	760	*	*	*	*
	P_{GD}	106	126	172	205	259	338	421	518	538	637	889	973	876	950	*	*	*	*
71	P_{GA}	38.7	44.6	57.3	67.7	81.8	88.2	120	144	162	188	230	243	234	249	306	316	381	400
	P_{GB}	65.3	75	98.9	116	142	153	213	256	279	325	422	447	422	450	*	*	*	*
	P_{GC}	83.1	93.8	130	151	200	255	322	371	412	484	680	715	671	706	*	*	*	*
	P_{GD}	105	118	166	192	252	315	407	469	515	605	857	902	841	881	*	*	*	*
80	P_{GA}	36.8	42.1	56	63.3	77.6	83.5	113	136	158	178	223	237	227	241	292	315	369	384
	P_{GB}	61.9	70.3	96.6	108	134	143	201	241	272	308	406	434	406	433	*	*	*	*
	P_{GC}	77.3	87.2	125	139	185	236	297	345	398	449	642	688	635	676	*	*	*	*
	P_{GD}	97.9	110	160	177	236	293	377	437	496	564	812	868	795	846	*	*	*	*
90	P_{GA}	36.3	41.8	53.1	61.4	73.8	81.6	110	134	148	173	211	231	215	233	280	300	363	372
	P_{GB}	61.1	69.8	91.3	104	127	140	194	235	255	298	383	418	384	417	*	*	*	*
	P_{GC}	75.1	86.4	116	133	172	231	285	333	365	430	595	651	588	640	*	*	*	*
	P_{GD}	95.5	109	148	171	219	286	362	422	458	537	752	823	738	803	*	*	*	*
100	P_{GA}		39.7		60.4		78		128		171		221		226		294		379
	P_{GB}		66.2		102		133		223		293		397		397		*		*
	P_{GC}		80.3		129		215		308		415		604		595		*		*
	P_{GD}		101		165		266		392		520		764		748		*		*
112	P_{GA}		39.3		57.2		74.3		124		161								
	P_{GB}		65.6		97.3		127		216		274								
	P_{GC}		78.3		119		199		296		382								
	P_{GD}		99.4		153		248		377		479								

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

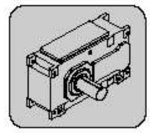
P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 H3
型號 5-22
n_1 = 1800 min^{-1}

Gear Units

Thermal Capacities
Type H3
Sizes 5-22
n_1 = 1800 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)

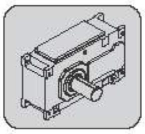
iN		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
22.4	P_{GA}									141		*		*		*		*	
	P_{GB}									352		446		416		*		*	
	P_{GC}									713		1103		1076		*		*	
	P_{GD}									881		1350		1290		*		*	
25	P_{GA}	52.9		75.6		97.7				140		*	*	*	*	*	*	*	*
	P_{GB}	101		150		201		126		345		439	448	411	414	*	*	*	*
	P_{GC}	143		227		329		289		679		1043	1110	1020	1072	*	*	*	*
	P_{GD}	183		292		421		547		839		1282	1356	1226	1285	*	*	*	*
28	P_{GA}	51.6		77.6		99.8		689		148	165	*	*	*	*	*	*	*	*
	P_{GB}	97.9		153		202		129		346	392	460	466	439	439	*	*	*	*
	P_{GC}	135		226		321		285		644	751	1023	1064	1001	1033	*	*	*	*
	P_{GD}	174		292		411		516		803	932	1269	1312	1219	1252	*	*	*	*
31.5	P_{GA}	50.9	58.3	76	82.9	100	101	655	149	157	176	179	178	*	*	*	*	*	*
	P_{GB}	95.5	109	147	162	199	204	131	327	348	394	475	490	459	470	*	*	*	*
	P_{GC}	130	148	214	234	309	384	281	566	625	721	992	1043	978	1020	*	*	*	*
	P_{GD}	168	191	279	301	397	482	496	719	781	900	1240	1300	1200	1248	*	*	*	*
35.5	P_{GA}	49.8	56.9	75.1	85.3	99.2	104	632	152	164	184	194	201	184	187	208	*	*	*
	P_{GB}	92.9	105	145	164	195	203	132	322	348	396	477	507	467	493	*	*	*	*
	P_{GC}	124	140	206	232	296	375	277	535	601	686	933	1015	920	995	*	*	*	*
	P_{GD}	161	182	268	301	383	471	472	685	755	862	1176	1278	1144	1231	*	*	*	*
40	P_{GA}	47.3	55.7	72	82.7	94.9	101	606	151	164	186	199	205	190	194	223	227	*	*
	P_{GB}	87.7	102	138	158	186	199	130	315	339	390	469	495	462	484	*	*	*	*
	P_{GC}	116	135	192	219	277	359	268	511	570	659	887	947	878	930	*	*	*	*
	P_{GD}	149	173	250	285	357	453	447	655	719	831	1124	1199	1095	1160	*	*	*	*
45	P_{GA}	45.5	53.9	69.7	80.6	92	99.9	573	147	159	183	203	204	196	194	231	230	*	*
	P_{GB}	84	99.5	132	154	178	194	131	305	327	379	472	481	464	473	*	*	*	*
	P_{GC}	109	129	183	211	262	345	268	487	537	628	872	898	863	882	*	*	*	*
	P_{GD}	141	166	239	273	340	435	438	624	678	792	1107	1135	1077	1101	*	*	*	*
50	P_{GA}	44.7	51.9	67.3	78.7	92.9	98	563	152	170	193	231	234	228	233	280	285	303	274
	P_{GB}	81.7	94.6	126	147	177	186	135	303	332	381	495	512	491	508	*	*	*	*
	P_{GC}	106	120	172	199	258	322	269	465	530	601	879	897	864	881	*	*	*	*
	P_{GD}	137	155	225	257	332	407	433	598	673	766	1120	1146	1092	1117	*	*	*	*
56	P_{GA}	42.9	50.4	65	77	90.1	96.2	558	157	171	194	236	252	237	252	298	315	347	343
	P_{GB}	77.7	91.1	121	143	169	181	129	307	329	373	487	523	488	521	*	*	*	*
	P_{GC}	99.9	114	163	189	241	306	253	458	505	570	829	897	820	879	*	*	*	*
	P_{GD}	129	148	212	246	314	388	395	592	644	728	1063	1147	1040	1114	*	*	*	*
63	P_{GA}	40.8	49	61.5	73.9	86.8	96	508	159	170	198	238	258	243	262	307	334	386	394
	P_{GB}	73.4	88	113	135	160	177	126	304	317	372	475	517	479	517	*	*	*	*
	P_{GC}	92.7	110	150	178	225	299	242	452	474	560	774	844	767	832	*	*	*	*
	P_{GD}	120	143	194	232	293	381	368	584	606	716	998	1091	981	1064	*	*	*	*
71	P_{GA}	40.4	46.6	59.8	70.5	85.1	91.6	475	149	166	193	234	247	237	251	307	317	374	387
	P_{GB}	72.6	83.3	109	129	158	170	124	283	308	359	463	490	462	492	*	*	*	*
	P_{GC}	91.7	103	144	166	220	281	235	408	453	532	746	785	735	773	*	*	*	*
	P_{GD}	118	134	188	217	285	356	355	529	580	681	962	1012	943	987	*	*	*	*
80	P_{GA}	38.4	44	58.5	66	80.8	86.8	458	141	162	183	228	242	230	244	295	317	365	376
	P_{GB}	68.8	78.2	107	120	148	159	118	267	300	340	447	476	446	475	*	*	*	*
	P_{GC}	85.3	96.2	138	153	204	260	222	380	437	494	705	756	696	742	*	*	*	*
	P_{GD}	110	124	181	200	266	331	327	492	559	635	912	975	892	949	*	*	*	*
90	P_{GA}	38	43.6	55.4	64	76.9	85	425	139	152	179	217	236	219	237	284	304	362	368
	P_{GB}	67.9	77.6	101	116	141	155	114	260	282	330	422	460	422	458	*	*	*	*
	P_{GC}	82.9	95.3	128	147	190	254	215	367	401	473	654	715	645	703	*	*	*	*
	P_{GD}	107	123	168	193	247	323	314	476	516	605	846	925	829	902	*	*	*	*
100	P_{GA}		41.6		63.2		81.6	409	133		178		229		233		303		385
	P_{GB}		73.7		114		148		247		325		440		439		*		*
	P_{GC}		88.6		142		237		340		457		665		655		*		*
	P_{GD}		115		186		301		442		587		862		843		*		*
112	P_{GA}		41.2		59.9		77.8		130		168								
	P_{GB}		73		108		141		240		305								
	P_{GC}		86.4		132		220		327		421								
	P_{GD}		112		173		281		426		542								

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱
額定功率
類型 H4
型號 7-22

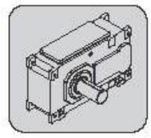
Gear Units
Nominal Power Ratings
Type H4
Sizes 7-22

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)																		
i_N	n1	n2	齒輪箱型號 / Gear unit sizes															
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
100	1800	18	40		67		116		170		288		376		565		791	
	1500	15	34		56		96		142		240		314		471		659	
	1200	12	27		44		77		113		192		251		376		527	
	1000	10	22		37		64		94		160		209		314		439	
112	1800	16.1	36		60		103		152		257	291	337	404	505	581	708	792
	1500	13.4	30		50		86		127		214	242	280	336	420	484	589	659
	1200	10.7	24		39		69		101		171	193	224	268	336	386	470	526
	1000	8.9	20		33		57		84		142	161	186	223	279	321	391	438
125	1800	14.4	32	41	53	66	92	117	136	170	230	260	301	361	452	520	633	708
	1500	12	27	34	44	55	77	98	113	141	192	217	251	301	376	433	527	590
	1200	9.6	21	27	35	44	61	78	91	113	153	173	201	241	301	346	422	472
	1000	8	18	22	29	37	51	65	75	94	128	144	167	201	251	289	351	393
140	1800	12.9	29	36	48	59	83	105	122	152	206	233	270	324	405	466	567	634
	1500	10.7	24	30	39	49	69	87	101	126	171	193	224	268	336	386	470	526
	1200	8.6	19	24	32	39	55	70	81	101	137	155	180	216	270	310	378	423
	1000	7.1	16	20	26	32	45	57	67	84	113	128	148	178	223	256	312	349
160	1800	11.3	25	32	42	52	72	92	107	133	181	204	236	283	354	408	496	556
	1500	9.4	21	26	35	43	60	76	89	111	150	170	196	236	295	339	413	462
	1200	7.5	17	21	28	34	48	61	71	88	120	135	157	188	235	270	329	369
	1000	6.3	14	17	23	29	40	51	59	74	100	114	131	158	197	227	277	310
180	1800	10	22	28	37	46	64	81	94	118	160	181	209	251	314	361	439	492
	1500	8.3	18	23	31	38	53	67	78	98	132	150	173	208	260	299	365	408
	1200	6.7	15	19	25	31	43	54	63	79	107	121	140	168	210	242	294	329
	1000	5.6	12	15	20	25	36	45	53	66	89	101	117	140	175	202	246	275
200	1800	9	20	25	33	41	58	73	85	106	144	163	188	226	282	325	395	442
	1500	7.5	17	21	28	34	48	61	71	88	120	135	157	188	235	270	329	369
	1200	6	13	17	22	27	38	49	56	70	96	108	125	150	188	216	263	295
	1000	5	11	14	18	23	32	40	47	59	80	90	104	125	157	180	219	246
224	1800	8	18	22	29	37	51	65	75	94	128	144	167	201	251	289	351	393
	1500	6.7	15	19	25	31	43	54	63	79	107	121	140	168	210	242	294	329
	1200	5.4	12	15	20	24	34	44	51	63	86	97	113	135	169	195	237	265
	1000	4.5	10	12	16	20	29	36	42	53	72	81	94	113	141	162	197	221
250	1800	7.2	16	20	26	33	46	58	68	85	115	130	150	180	226	260	316	354
	1500	6	13	17	22	27	38	49	56	70	96	108	125	150	188	216	263	295
	1200	4.8	10	13	17	22	30	39	45	56	76	86	100	120	150	173	211	236
	1000	4	9	11	14	18	25	32	37	47	64	72	83	100	125	144	175	196
280	1800	6.4	14	18	23	29	41	52	60	75	102	115	134	160	201	231	281	314
	1500	5.4	12	15	20	24	34	44	51	63	86	97	113	135	169	195	237	265
	1200	4.3	9.7	12	16	19	27	35	40	50	68	77	90	108	135	155	189	211
	1000	3.6	8.1	10	13	16	23	29	34	42	57	65	75	90	113	130	158	177
315	1800	5.7	12	16	21	26	36	46	54	67	91	103	119	143	179	205	250	280
	1500	4.8	10	13	17	22	30	39	45	56	76	86	100	120	150	173	211	236
	1200	3.8	8.6	10	14	17	24	31	36	44	60	68	79	95	119	137	167	187
	1000	3.2	7.2	9.1	11	14	20	26	30	37	51	57	67	80	100	115	140	157
355	1800	5.1	10	14	19	23	32	41	48	60	74	92	102	128	154	184	218	250
	1500	4.2	8.6	11	15	19	27	34	39	49	61	76	84	105	127	151	180	206
	1200	3.4	6.9	9.6	12	15	21	27	32	40	49	61	68	85	103	122	145	167
	1000	2.8	5.7	7.9	10	12	18	22	26	33	41	50	56	70	85	101	120	137
400	1800	4.5		12		20		36		53		74		105		157		219
	1500	3.8		10		17		31		44		62		88		133		185
	1200	3		8.5		13		24		35		49		70		105		146
	1000	2.5		7.1		11		20		29		41		58		87		121
450	1800	4		10		17		32		47								
	1500	3.3		8.7		14		26		39								
	1200	2.7		7.1		12		22		31								
	1000	2.2		5.8		9.8		17		26								

(shaded)	臥式安裝齒輪箱應採用強制潤滑 / Forced lubrication required on horizontal
*	請洽詢 / on request

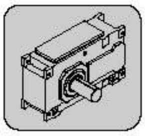
齒輪箱
額定輸出扭矩
類型 H4
型號 7-22

Gear Units
Nominal Output Torques
Type H4
Sizes 7-22



額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)

i_N	齒輪箱型號 / Gear unit sizes																			
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1.25	2.9		8		15.2		24.7													
1.6	3.3		8.6		16.3		27.1		46		67.4									
1.8	2.7		8.8		17.4		28		47.6		70.9									
2	2.8		9.4		17.8		28.7		49.1		72.9		129							
2.24	2.8		9.6		17.8		28.7		50.6		75.2		130							
2.5	2.9		9.6		17.8		28.7		50.6		77		117							
2.8	3.1		9.6		17.1		27.2		50.6		77		120		171					
3.15	3.1		9.6		17.4		28.1		48.1		73.1		124		173					
3.55	3.2		9.5		17.8		28.6		50.2		74.4		126		173					
4	3.2		9.6		17.8		28.7		50.6		75.7		130		173		245			
4.5	2.5		7.7		15.8		24.6		46		61.6		109		146		216			
5	2.4		7.2		13.8		23.5		38.7		58.3		95		124		174			
5.6	2.3		6.9		13.1		20.1		36.5		55.4		90.4		118		150			
6.3		6.3	10.7		20.3		33.7		59.3		86		143		195		292			
7.1		6.5	11.2		20.3		33.7		59.3		86		143	160	195	230	292	335	410	
8		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
9		6.7	11.2	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
10		6.3	10.5	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
11.2		6.3	10.6	14.4	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
12.5		6.7	11.2	13.5	20.2	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
14		6.7	11.2	13.5	20.3	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
16		6.7	11.2	14.4	20.3	25.5	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
18		6.3	10.5	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
20		6.6	11.2	14.4	19	25.6	33.7	42.2	59.3	73.8	86	107	143	160	195	230	292	335	410	458
22.4		6.3	10.9	13.5	19.8	24	33.1	42.2	58.3	73.8	88	107	153	160	200	230	300	335	420	458
25			11.6	14.3	21.7	24	35.7	42.2	63.5	73.8	88	107	153	173	200	240	300	345	420	470
28			11.6	13.9	21.7	25	35.7	41.6	63.5	72.5	88	109	153	173	200	240	300	345	420	470
31.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
35.5			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
40			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
45			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
50			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
56			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
63			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
71			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
80			11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	88	109	153	173	200	240	300	345	420	470
90			11.6	15.5	20	27.2	34.5	43.8	63.5	77.2	88	109	153	173	200	240	290	345	410	470
100				14.5	21.7	27.2	35.7	43.8	61.6	77.2	90.7	109	153	173	200	226	300	335	420	465
112				15	21.7	25.2	35.7	42.8	61.6	77.2	90.7	109	153	173	200	240	300	345	420	470
125					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315					21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
355					19.6	27.2	35.7	44.2	61.6	78	90.7	113	140	173	192	240	290	345	410	470
400						27.2		44.2		78		113		158		223		335		465
450						25.3		42.8		78		113								



齒輪箱
熱容量
類型 H4
型號 7-22
$n_1 = 1000\ min^{-1}$

Gear Units
Thermal Capacities
Type H4
Sizes 7-22
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																	
i_N		齒輪箱型號 / Gear unit sizes															
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
100	P_{GA}	43.6		60.8		90.1		120		161		180		253		346	
112	P_{GA}	42		58.2		89.4		117		154	166	173	185	243	260	340	350
125	P_{GA}	40.8	46.8	56.4	61.1	85.8	99.7	114	128	149	160	167	177	235	249	330	344
140	P_{GA}	38.7	44.9	54.6	58.5	83	98.9	110	125	144	153	161	171	227	241	313	334
160	P_{GA}	37.2	43.6	51.6	56.7	79	95.3	104	121	138	148	154	165	218	232	301	317
180	P_{GA}	35.8	41.4	49.4	54.9	76.2	91.8	100	118	136	142	151	158	208	224	297	304
200	P_{GA}	34.4	39.9	47.8	51.8	72	87.6	98.2	111	132	139	146	156	201	214	280	300
224	P_{GA}	32.4	38.2	45.9	49.6	69	84.4	93.7	107	123	136	136	151	193	206	268	283
250	P_{GA}	31	37	43.8	48.2	65.6	79.7	89.1	104	117	126	130	141	183	198	253	270
280	P_{GA}	30.1	34.7	42.5	46.2	63.1	76.7	86.3	99.1	113	120	126	133	176	188	243	255
315	P_{GA}	29.4	33.3	40.5	44.1	61.6	72.7	82.8	95.5	108	116	121	130	172	181	233	245
355	P_{GA}	28.1	32.3	39.8	42.8	58.6	69.9	78.9	91.9	106	111	118	124	164	177	222	236
400	P_{GA}		31.6		40.8		68.3		88.3		109		121		168		225
450	P_{GA}		30.1		40.1		64.9		84.2								

齒輪箱
熱容量
類型 H4
型號 7-22
$n_1 = 1200\ min^{-1}$

Gear Units
Thermal Capacities
Type H4
Sizes 7-22
$n_1 = 1200\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																	
i_N		齒輪箱型號 / Gear unit sizes															
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
100	P_{GA}	45.4		63.1		92.4		121		160		178		246		325	
112	P_{GA}	43.9		60.6		92.4		120		156	167	173	185	241	257	329	335
125	P_{GA}	42.7	49	58.8	63.7	89	103	117	132	152	162	169	179	237	250	325	335
140	P_{GA}	40.6	47.1	57.1	61.1	86.5	102	114	129	148	158	164	175	231	245	314	332
160	P_{GA}	39.1	45.7	54.1	59.4	82.5	99.4	108	126	143	153	159	170	224	238	305	319
180	P_{GA}	37.7	43.6	52	57.7	80	96.2	105	123	142	148	157	165	216	232	306	313
200	P_{GA}	36.3	42	50.3	54.5	75.7	92.1	103	117	139	146	153	163	211	224	292	313
224	P_{GA}	34.2	40.3	48.4	52.4	72.8	89	98.8	113	130	144	144	159	204	217	283	299
250	P_{GA}	32.7	39	46.2	50.8	69.2	84	94	110	123	133	137	148	193	209	267	285
280	P_{GA}	31.7	36.6	44.9	48.7	66.6	80.9	91.1	104	120	126	133	141	186	198	257	269
315	P_{GA}	31.1	35.1	42.8	46.5	64.9	76.7	87.3	100	114	122	127	137	182	191	246	259
355	P_{GA}	29.6	34	42	45.2	61.8	73.8	83.3	96.9	112	118	124	131	173	187	235	249
400	P_{GA}		33.4		43.1		72		93.2		115		128		177		238
450	P_{GA}		31.7		42.3		68.5		88.8								

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)

**) 表中數值依
每小時工作周期：100 %
在室内大空間安裝
海拔高度不超過1000m

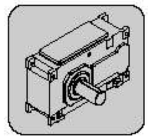
*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

齒輪箱 / Gear Units

熱容量 / Thermal Capacities
類型 H4 / Type H4
型號 7-22 / Sizes 7-22
n_1 = 1500 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
100	P_{GA}	48.7		67.6		99.1		130		172		190		264		348	
112	P_{GA}	47.1		65.1		99.1		129		167	179	186	198	259	276	352	358
125	P_{GA}	45.8	52.5	63.1	68.3	95.5	110	126	142	163	174	181	192	254	268	348	359
140	P_{GA}	43.5	50.5	61.3	65.6	92.8	110	123	139	158	169	176	188	248	263	336	356
160	P_{GA}	41.9	49.1	58	63.7	88.5	106	116	135	153	164	171	182	240	255	327	342
180	P_{GA}	40.4	46.7	55.8	61.9	85.8	103	113	132	152	159	169	177	232	249	329	335
200	P_{GA}	38.9	45.1	54	58.5	81.3	98.9	110	126	149	157	164	175	226	240	314	335
224	P_{GA}	36.7	43.2	52	56.2	78.1	95.5	106	121	140	154	154	170	219	233	303	321
250	P_{GA}	35.1	41.9	49.6	54.5	74.2	90.2	100	118	132	143	147	159	208	224	287	305
280	P_{GA}	34	39.3	48.2	52.3	71.4	86.8	97.7	112	128	135	143	151	199	213	276	289
315	P_{GA}	33.3	37.6	45.9	49.9	69.7	82.2	93.7	108	122	131	136	147	195	204	264	278
355	P_{GA}	31.8	36.5	45.1	48.5	66.3	79.2	89.4	104	120	126	133	141	186	200	252	267
400	P_{GA}		35.8		46.2		77.3		100		123		138		190		255
450	P_{GA}		34		45.4		73.5		95.3								

齒輪箱 / Gear Units

熱容量 / Thermal Capacities
類型 H4 / Type H4
型號 7-22 / Sizes 7-22
n_1 = 1800 min^{-1}

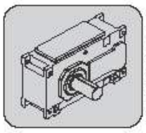
熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes 7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
100	P_{GA}	51.1		70.7		102		134		174		191		263		335	
112	P_{GA}	49.5		68.2		103		133		171	183	189	201	262	279	349	351
125	P_{GA}	48.1	55.2	66.3	71.7	99.8	115	131	147	168	179	186	197	259	273	350	358
140	P_{GA}	45.9	53.2	64.5	69	97.3	115	128	145	165	175	183	194	255	271	343	361
160	P_{GA}	44.2	51.7	61.1	67.1	93	111	122	142	160	171	178	190	249	265	336	350
180	P_{GA}	42.7	49.4	58.9	65.3	90.4	108	119	139	160	167	177	185	243	261	342	348
200	P_{GA}	41.2	47.7	57.1	61.9	85.8	104	116	133	157	165	173	184	238	253	329	352
224	P_{GA}	38.9	45.7	55	59.5	82.7	101	112	128	148	163	163	180	232	247	321	340
250	P_{GA}	37.1	44.3	52.5	57.7	78.5	95.4	106	125	140	151	155	168	220	237	304	323
280	P_{GA}	36	41.6	51	55.3	75.6	91.8	103	118	136	143	151	160	211	225	292	306
315	P_{GA}	35.3	39.8	48.6	52.8	73.7	87	99.1	114	129	139	144	155	207	216	280	294
355	P_{GA}	33.6	38.6	47.7	51.3	70.1	83.8	94.6	110	127	134	141	149	197	212	267	283
400	P_{GA}		37.9		48.9		81.8		105		130		146		201		270
450	P_{GA}		36		48		77.8		100								

* 請洽詢 / * on request

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **) / P_{GA} (kW) Gear units without auxiliary cooling **)

**) 表中數值依 / **) Values refer to :
每小時工作周期：100 % / Operating cycle: 100 %
在室內大空間安裝 / Installation in a large hall
海拔高度不超過1000m / Altitude up to 1000 m



齒輪箱
額定功率
類型 B2
型號 4-18

Gear Units
Nominal Power Ratings
Type B2
Sizes 4-18

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)

i_N	n1	n2	齒輪箱型號 / Gear unit sizes														
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
5	1800	360	229	354		716		1127		1734 *		2585 *		4598 *			
	1500	300	191	295		596		939		1445		2154		3832 *			
	1200	240	153	236		477		751		1156		1723		3065 *			
	1000	200	127	196		397		626		963		1436		2554			
5.6	1800	321	208	315		638		1005		1616 *		2339 *		4100 *	4537 *		
	1500	268	173	263		533		839		1349		1953		3423 *	3788 *		
	1200	214	138	210		425		670		1077		1559		2733 *	3025 *	4369 *	
	1000	179	116	176		356		560		901		1304		2286	2530	3654 *	
6.3	1800	286	185	281	359	569	712	895	1138	1503 *	1760 *	2210 *	2551 *	3893 *	4222 *		
	1500	238	154	234	299	473	593	745	947	1251	1465	1839	2123	3239 *	3513 *	4859 *	
	1200	190	123	187	238	378	473	594	756	998	1169	1468	1695	2586 *	2805 *	3879 *	
	1000	159	103	156	199	316	396	497	632	835	978	1228	1418	2164	2347	3246 *	
7.1	1800	254	164	250	319	505	633	795	1010	1393 *	1619 *	2018 *	2321 *	3510 *	3856 *		
	1500	211	136	207	265	419	525	660	839	1157	1345	1676	1928	2916 *	3203 *	4308 *	
	1200	169	109	166	212	336	421	529	672	927	1077	1343	1544	2335 *	2565 *	3450 *	4070 *
	1000	141	91	138	177	280	351	441	561	773	899	1120	1288	1948	2140	2879	3395 *
8	1800	225	146	221	282	447	560	704	895	1272 *	1486 *	1884 *	2155 *	3109 *	3486 *	4594 *	
	1500	188	122	185	236	374	468	588	748	1063	1242	1574	1801	2598	2913 *	3838 *	4527 *
	1200	150	97	147	188	298	373	469	596	848	991	1256	1437	2073	2324 *	3062 *	3612 *
	1000	125	81	123	157	248	311	391	497	706	825	1047	1197	1727	1937	2552	3010
9	1800	200	129	196	251	397	498	626	795	1130 *	1365 *	1698 *	1981 *	2764 *	3099 *	4083 *	4816 *
	1500	167	108	164	209	332	416	522	664	944	1140	1418	1654	2308	2588	3409 *	4021 *
	1200	133	86	130	167	264	331	416	529	752	908	1129	1317	1838	2061	2715 *	3203 *
	1000	111	72	109	139	220	276	347	441	627	757	942	1099	1534	1720	2266	2673
10	1800	180	116	177	226	358	448	563	716	1017 *	1249 *	1528 *	1862 *	2487 *	2789 *	3675 *	4335 *
	1500	150	97	147	188	298	373	469	596	848	1041	1273	1551	2073	2324	3062 *	3612 *
	1200	120	77	118	150	238	299	375	477	678	833	1019	1241	1658	1859	2450 *	2890 *
	1000	100	64	98	125	198	249	313	397	565	694	849	1034	1382	1549	2041	2408
11.2	1800	161	104	158	202	320	401	504	640	910 *	1117 *	1367 *	1709 *	2225 *	2495 *	3287 *	3877 *
	1500	134	86	131	168	266	333	419	533	757	930	1137	1422	1852	2076	2736 *	3227*
	1200	107	69	105	134	212	266	335	425	605	742	908	1136	1478	1658	2184 *	2576 *
	1000	89	57	87	111	177	221	278	354	503	617	755	944	1230	1379	1817	2143
12.5	1800	144			180		358		572		999 *		1528 *		2231 *		3468 *
	1500	120			150		299		477		833		1274		1859		2890 *
	1200	96			120		239		381		666		1019		1487		2312 *
	1000	80			100		199		318		555		849		1239		1926
14	1800	129			162		321		513		895 *		1369 *				
	1500	107			134		266		425		742		1136				
	1200	86			108		214		342		597		913				
	1000	71			89		176		282		492		753				

臥式安裝齒輪箱應採用強制潤滑 — Forced lubrication required on horizontal

* 請洽詢 — * on request

額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)																			
i_N	齒輪箱型號 / Gear unit sizes																		
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
5	6.1	9.4		19		29.9		46		68.6		122							
5.6	6.2	9.4		19		29.9		48.1		69.6		122	135	195					
6.3	6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.8	85.2	130	141	195					
7.1	6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	145	195	230				
8	6.2	9.4	12	19	23.8	29.9	38	54	63.1	80	91.5	132	148	195	230				
9	6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94.6	132	148	195	230				
10	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230				
11.2	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230				
12.5	5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250		340	
14	6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295	360	405
16	6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	230	275	308	380	422
18	6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	288	320	400	438
20	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332	420	455
22.4	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345	420	470
25	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
28	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
31.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
35.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
40	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
45	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
50	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
56	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
63	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
71	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345	420	470
80		11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345	420	470
90		11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345	420	470
100		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
112		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
125		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280		11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315		11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173	200	240	300	345	420	470
355			15.5		26.5		44.2		78		113		173		240		345		470
400			14.5		25.5		43		75		113								

B3

B4

齒輪箱
熱容量
類型 B2
型號 4-18
$n_1 = 1000\ min^{-1}$

Gear Units
Thermal Capacities
Type B2
Sizes 4-18
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																
i_N		齒輪箱型號 / Gear unit sizes														
		4	5	6	8	8	9	10	11	12	13	14	15	16	17	18
5	P_{GA}	48.3	58.6		77.4		87.1		*		*		*			
	P_{GB}	113	155		246		297		487		684		788			
	P_{GC}	137	206		319		398		677		1344		1821			
	P_{GD}	194	291		468		578		984		1838		2383			
5.6	P_{GA}	47.7	59.8		78.3		90.2		120		*		*		*	
	P_{GB}	109	153		232		282		481		688		804		859	
	P_{GC}	132	199		293		367		643		1289		1763		2055	
	P_{GD}	187	282		432		535		943		1789		2333		2689	
6.3	P_{GA}	47	58.7	68.3	75.8	89.9	89.4	98.3	122	142	*	*	*	*	*	
	P_{GB}	105	145	170	216	261	265	300	441	556	637	771	779	838	850	
	P_{GC}	126	185	264	266	388	333	460	566	976	1132	1411	1627	1782	1909	
	P_{GD}	179	263	359	393	548	489	643	834	1340	1574	1954	2168	2366	2530	
7.1	P_{GA}	45	57.2	69	74.3	88.9	89.1	99.3	132	158	151	176	*	*	*	*
	P_{GB}	99	137	166	203	246	250	284	436	546	637	768	756	815	838	897
	P_{GC}	116	171	257	244	357	306	422	545	931	1097	1352	1508	1645	1787	1919
	P_{GD}	164	243	349	362	506	451	594	808	1278	1541	1895	2028	2204	2386	2558
8	P_{GA}	42.8	54.8	67.2	72.1	86.1	87.4	97.7	129	155	154	181	*	*	*	*
	P_{GB}	92.9	128	157	192	229	237	267	400	498	588	705	705	784	793	874
	P_{GC}	107	157	237	226	323	283	383	482	817	978	1185	1356	1531	1621	1793
	P_{GD}	152	225	324	336	459	419	541	719	1129	1375	1663	1830	2059	2174	2402
9	P_{GA}	41	52.7	64.5	70.2	82.7	85.8	95.3	129	162	159	193	169	176	*	*
	P_{GB}	87.8	121	148	182	215	226	251	383	490	565	699	684	730	774	823
	P_{GC}	98.8	144	218	212	297	267	352	454	791	914	1152	1283	1368	1542	1624
	P_{GD}	141	206	299	316	424	396	500	679	1094	1296	1625	1741	1853	2078	2188
10	P_{GA}	34.6	49.3	61.1	66.4	79.2	81.9	91.7	125	153	157	188	172	182	175	*
	P_{GB}	72.8	111	138	169	202	212	237	359	447	535	642	643	704	737	799
	P_{GC}	78.9	129	200	192	274	244	325	417	700	846	1018	1170	1296	1431	1546
	P_{GD}	112	185	276	288	392	363	462	626	972	1200	1444	1596	1760	1935	2085
11.2	P_{GA}	33.5	44.4	58.4	59.8	76.1	74.5	89	114	150	145	185	162	181	169	187
	P_{GB}	70.3	99.5	131	150	192	187	226	318	426	476	613	581	662	669	760
	P_{GC}	75.4	113	183	168	257	212	307	361	659	734	952	1030	1182	1267	1439
	P_{GD}	107	162	252	252	368	316	438	543	918	1046	1356	1411	1616	1720	1940
12.5	P_{GA}			54.5		72.2		85.1		145		183		175		186
	P_{GB}			119		179		212		400		579		598		691
	P_{GC}			163		234		280		604		882		1039		1276
	P_{GD}			225		337		401		845		1255		1430		1730
14	P_{GA}			49		65.2		77		131		168				
	P_{GB}			106		159		189		353		514				
	P_{GC}			142		205		243		522		763				
	P_{GD}			196		293		348		733		1092				

* 請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)

P_{GB} (kW) 齒輪箱帶冷卻風扇 **)

P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)

P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

***) 表中數值按冷卻水入口溫度20°C

* on request

P_{GA} (kW) Gear units without auxiliary cooling **)

P_{GB} (kW) Gear units with fan **)

P_{GC} (kW) Gear units with built-in cooling coil **) ***)

P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

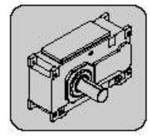
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 B2
型號 4-18
$n_1 = 1200\ min^{-1}$

Gear Units

Thermal Capacities
Type B2
Sizes 4-18
$n_1 = 1200\ min^{-1}$



熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes														
		4	5	6	8	8	9	10	11	12	13	14	15	16	17	18
5	P_{GA}	47.2	53.4		66		*		*		*		*			
	P_{GB}	132	178		276		325		500		645		640			
	P_{GC}	153	228		353		441		744		1467		1968			
	P_{GD}	228	338		538		657		1085		1953		2390			
5.6	P_{GA}	47.5	56.5		70.8		75.8		*		*		*		*	
	P_{GB}	128	177		265		316		512		689		724		718	
	P_{GC}	147	222		326		406		709		1414		1918		2224	
	P_{GD}	221	330		501		614		1058		1950		2434		2726	
6.3	P_{GA}	47.3	56.6	65.1	70.5	81.4	78.6	83.8	*	*	*	*	*	*	*	
	P_{GB}	125	169	197	249	298	301	337	480	591	657	789	740	778	762	
	P_{GC}	141	206	293	295	431	370	510	625	1076	1245	1551	1778	1944	2076	
	P_{GD}	212	308	419	458	636	566	740	944	1500	1740	2150	2311	2499	2633	
7.1	P_{GA}	45.8	56.4	67.5	71.4	83.8	82.4	89.8	108	*	*	*	*	*	*	*
	P_{GB}	117	161	194	237	285	288	325	485	598	683	817	762	809	811	849
	P_{GC}	129	190	286	272	397	340	468	604	1029	1211	1491	1655	1803	1954	2096
	P_{GD}	194	286	410	424	590	525	689	925	1451	1733	2124	2218	2394	2563	2723
8	P_{GA}	43.9	54.8	66.7	70.6	83	83	91.2	112	127	*	*	*	*	*	*
	P_{GB}	110	151	185	225	267	274	308	451	555	643	767	735	807	800	868
	P_{GC}	119	175	264	252	359	315	426	535	904	1081	1309	1493	1683	1780	1965
	P_{GD}	181	265	382	395	539	490	631	830	1293	1562	1884	2032	2273	2378	2608
9	P_{GA}	42.3	53.2	64.8	69.7	81.1	83.2	91.1	116	140	130	*	*	*	*	*
	P_{GB}	105	144	176	214	253	264	292	437	554	630	775	732	773	807	847
	P_{GC}	110	161	243	236	331	297	392	505	877	1013	1275	1415	1508	1697	1786
	P_{GD}	167	244	353	373	498	465	585	788	1261	1484	1857	1956	2073	2308	2414
10	P_{GA}	35.8	50.1	61.8	66.5	78.5	80.3	88.9	115	137	134	157	*	*	*	*
	P_{GB}	87.1	132	164	199	238	249	277	413	508	601	719	698	759	783	839
	P_{GC}	88.1	144	224	214	305	272	362	463	777	938	1129	1293	1431	1577	1703
	P_{GD}	134	219	326	340	462	426	542	729	1126	1381	1658	1806	1984	2167	2322
11.2	P_{GA}	34.8	45.3	59.3	60.2	75.9	73.6	87	106	136	127	160	*	*	*	*
	P_{GB}	84.3	118	155	177	227	220	265	367	488	539	691	637	720	720	809
	P_{GC}	84.2	126	204	187	286	236	341	401	733	814	1056	1139	1306	1399	1587
	P_{GD}	128	192	298	298	434	372	514	633	1066	1208	1563	1605	1831	1938	2175
12.5	P_{GA}			55.7		72.7		84.3		135		164		*		*
	P_{GB}			142		212		250		462		659		661		750
	P_{GC}			182		261		312		672		979		1150		1409
	P_{GD}			267		398		472		985		1454		1632		1957
14	P_{GA}			50.3		66.1		76.9		125		154				
	P_{GB}			127		189		223		409		589				
	P_{GC}			159		228		271		580		848				
	P_{GD}			232		347		411		856		1270				

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)

**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

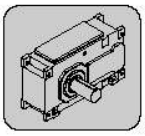
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)

**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m

***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱
熱容量
類型 B2
型號 4-18
n_1 = 1500 min^{-1}

Gear Units
Thermal Capacities
Type B2
Sizes 4-18
n_1 = 1500 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)																
i_N		齒輪箱型號 / Gear unit sizes														
		4	5	6	8	8	9	10	11	12	13	14	15	16	17	18
5	P_{GA}	35.3	*		*		*		*		*		*			
	P_{GB}	139	184		283		328		478		574		486			
	P_{GC}	159	238		368		459		774		1524		2040			
	P_{GD}	249	366		581		705		1144		2019		2386			
5.6	P_{GA}	38.6	*		*		*		*		*		*		*	
	P_{GB}	135	185		274		322		504		646		618		565	
	P_{GC}	154	231		340		424		738		1470		1992		2307	
	P_{GD}	241	359		543		662		1126		2044		2489		2739	
6.3	P_{GA}	40	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P_{GB}	132	178	206	259	308	310	345	479	581	633	753	664	684	646	
	P_{GC}	147	215	306	308	449	385	531	651	1120	1295	1613	1847	2019	2155	
	P_{GD}	231	336	456	497	690	612	799	1010	1596	1839	2267	2393	2574	2689	
7.1	P_{GA}	40.6	44	50.6	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	125	169	204	248	298	299	336	493	601	676	804	720	754	740	760
	P_{GC}	135	199	298	284	414	354	488	629	1072	1261	1552	1722	1875	2031	2177
	P_{GD}	213	313	447	462	642	570	747	996	1556	1848	2261	2331	2505	2666	2817
8	P_{GA}	39.9	45.1	53.4	53	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	117	160	195	236	280	287	321	463	564	646	768	713	775	756	808
	P_{GC}	124	182	276	263	375	328	444	557	942	1126	1364	1553	1751	1851	2043
	P_{GD}	198	290	417	430	586	533	686	896	1392	1674	2016	2152	2400	2499	2729
9	P_{GA}	39.3	45.7	54.4	55.8	61.6	59.6	*	*	*	*	*	*	*	*	*
	P_{GB}	111	153	186	226	266	277	306	452	568	640	785	724	759	782	812
	P_{GC}	115	168	253	246	346	310	409	526	915	1055	1329	1474	1570	1766	1858
	P_{GD}	183	267	386	407	543	507	637	853	1363	1598	1996	2085	2204	2444	2549
10	P_{GA}	33.7	44	53.3	55.1	62.3	60.8	63.9	*	*	*	*	*	*	*	*
	P_{GB}	92.8	140	174	211	251	261	291	429	525	616	734	698	753	770	818
	P_{GC}	91.9	150	233	224	318	284	377	483	810	978	1176	1347	1490	1642	1772
	P_{GD}	147	240	356	372	505	465	591	791	1218	1490	1787	1933	2118	2306	2464
11.2	P_{GA}	33	40.4	52.1	51	61.9	57.7	65.2	*	*	*	*	*	*	*	*
	P_{GB}	89.8	125	165	188	240	232	279	382	506	555	709	641	721	714	797
	P_{GC}	87.9	131	213	195	298	246	356	418	764	849	1101	1186	1360	1457	1652
	P_{GD}	140	210	327	326	474	406	561	688	1156	1306	1688	1722	1960	2068	2315
12.5	P_{GA}			50.1		61.7		66.9		*		*		*		*
	P_{GB}			151		224		264		481		681		669		749
	P_{GC}			189		272		326		701		1021		1198		1468
	P_{GD}			292		435		515		1070		1574		1754		2093
14	P_{GA}			46		57.4		63.1		*		*				
	P_{GB}			135		200		236		428		611				
	P_{GC}			166		238		283		605		884				
	P_{GD}			255		380		449		931		1377				

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

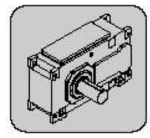
P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C

齒輪箱

熱容量
類型 B2
型號 4-18
$n_1 = 1800\ min^{-1}$

Gear Units

Thermal Capacities
Type B2
Sizes 4-18
$n_1 = 1800\ min^{-1}$



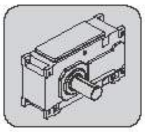
熱容量 P_G (kW) / Thermal capacities P_G (kW)																
i_N		齒輪箱型號 / Gear unit sizes														
		4	5	6	8	8	9	10	11	12	13	14	15	16	17	18
5	P_{GA}	*	*		*		*		*		*		*			
	P_{GB}	149	190		283		313		392		350		*			
	P_{GC}	170	250		383		470		765		1446		1814			
	P_{GD}	276	401		630		753		1174		1966		2104			
5.6	P_{GA}	*	*		*		*		*		*		*		*	
	P_{GB}	147	194		282		321		453		493		*		*	
	P_{GC}	164	244		356		439		744		1435		1851		2075	
	P_{GD}	268	395		593		716		1182		2066		2355		2464	
6.3	P_{GA}	31	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P_{GB}	144	189	218	270	318	315	346	450	519	528	612	419	*	*	
	P_{GC}	157	228	324	324	471	402	551	663	1127	1285	1592	1758	1902	1997	
	P_{GD}	258	371	504	546	754	666	865	1073	1673	1894	2322	2342	2482	2533	
7.1	P_{GA}	34	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	136	182	219	263	313	311	346	485	572	616	721	563	560	503	473
	P_{GC}	145	212	317	301	437	372	512	650	1097	1275	1564	1687	1823	1951	2070
	P_{GD}	238	347	495	511	707	625	817	1073	1659	1946	2371	2367	2519	2639	2751
8	P_{GA}	35	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	129	173	211	253	298	302	336	467	556	616	723	609	641	592	600
	P_{GC}	133	195	294	279	397	347	468	580	973	1152	1391	1549	1734	1815	1986
	P_{GD}	222	323	464	477	649	588	754	973	1500	1785	2143	2230	2467	2539	2743
9	P_{GA}	35	36	*	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	123	166	202	244	285	295	324	465	574	630	766	658	674	669	671
	P_{GC}	123	180	271	263	368	329	433	551	952	1090	1369	1489	1578	1761	1839
	P_{GD}	206	298	430	453	603	561	703	933	1480	1721	2144	2195	2306	2533	2619
10	P_{GA}	31	36	43	*	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	102	154	190	229	271	280	310	447	537	617	729	655	694	688	712
	P_{GC}	99	161	250	239	339	302	400	508	847	1015	1219	1373	1511	1653	1773
	P_{GD}	164	268	398	414	561	516	654	868	1329	1614	1932	2052	2237	2416	2564
11.2	P_{GA}	30	34	43	40	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	99	137	180	204	259	250	299	401	522	562	713	614	679	656	715
	P_{GC}	94	141	229	209	319	262	379	441	801	885	1145	1215	1387	1476	1664
	P_{GD}	157	235	365	363	528	451	622	757	1265	1420	1831	1839	2083	2183	2428
12.5	P_{GA}			43		48		*		*		*		*		*
	P_{GB}			166		244		284		503		697		650		701
	P_{GC}			203		291		347		738		1068		1233		1494
	P_{GD}			327		485		573		1176		1718		1882		2221
14	P_{GA}			40		47		*		*		*				
	P_{GB}			149		218		255		451		633				
	P_{GC}			178		255		302		640		929				
	P_{GD}			285		424		500		1027		1509				

*	請洽詢

P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
P_{GB} (kW) 齒輪箱帶冷卻風扇 **)
P_{GC} (kW) 齒輪箱帶內置冷卻盤管 **)***)
P_{GD} (kW) 齒輪箱帶冷卻風扇及內置冷卻盤管**) ***)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m
***) 表中數值按冷卻水入口溫度20°C

*	on request

P_{GA} (kW) Gear units without auxiliary cooling **)
P_{GB} (kW) Gear units with fan **)
P_{GC} (kW) Gear units with built-in cooling coil **) ***)
P_{GD} (kW) Gear units with fan and built-in cooling coil **) ***)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m
***) Values refer to a cooling water inlet temperature of 20°C



齒輪箱

額定功率
類型 B3
型號 4-22

Gear Units

Nominal Power Ratings
Type B3
Sizes 4-22

額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)

i_N	n1	n2	齒輪箱型號 / Gear unit sizes 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
13	1800	144	82	141		256		422		790		1198		1990 *		2940 *		3769 *			
	1500	120	69	118		213		351		658		998		1658		2450		3141 *		4272 *	
	1200	96	55	94		170		281		526		799		1326		1960		2513 *		3417 *	
	1000	80	46	78		142		234		438		665		1105		1633		2094		2848	
14	1800	129	81	132		245		398		765		1102		1850 *	1999 *	2634 *	3106 *	3539 *	3984 *	4862 *	
	1500	107	67	109		203		330		635		914		1534	1658	2184	2576	2935 *	3305 *	4033 *	4537 *
	1200	86	54	88		163		265		510		734		1233	1332	1756	2071	2359 *	2656 *	3241 *	3647 *
	1000	71	44	72		135		219		421		606		1018	1100	1449	1709	1947	2193	2676	3010
16	1800	113	78	124	141	234	254	366	421	708	784	991	1176	1680 *	1822 *	2366 *	2721 *	3253 *	3644 *	4496 *	4993 *
	1500	94	64	103	118	194	211	305	350	589	652	824	978	1397	1515	1968	2263	2706 *	3031 *	3740 *	4153 *
	1200	75	51	82	94	155	168	243	279	470	520	658	780	1115	1209	1570	1806	2159 *	2418 *	2984 *	3314 *
	1000	63	43	69	79	130	141	204	234	395	437	552	655	936	1015	1319	1517	1814	2031	2506	2783
18	1800	100	70	118	131	220	241	354	392	649	727	907	1068	1549 *	1675 *	2094 *	2513 *	3015 *	3350 *	4188 *	4586 *
	1500	83	58	98	109	183	200	294	325	538	604	753	886	1286	1390	1738	2085	2503 *	2781 *	3476 *	3806 *
	1200	67	47	79	88	148	162	237	263	434	487	608	715	1038	1122	1403	1683	2020 *	2245 *	2806 *	3072 *
	1000	56	39	66	73	123	135	198	219	363	407	508	598	867	938	1172	1407	1688	1876	2345	2568
20	1800	90	63	109	124	204	235	336	370	598	685	854	989	1441 *	1573 *	1884 *	2261 *	2827 *	3128 *	3958 *	4287 *
	1500	75	52	91	103	170	196	280	308	498	570	712	824	1201	1311	1570	1884	2356 *	2607 *	3298 *	3573 *
	1200	60	42	72	82	136	157	224	246	398	456	569	659	961	1049	1256	1507	1884	2085 *	2638	2858 *
	1000	50	35	60	69	113	130	186	205	332	380	474	549	801	874	1047	1256	1570	1738	2198	2382
22	1800	80	56	97	118	181	221	299	350	531	633	759	904	1281 *	1449 *	1675 *	2010 *	2513 *	2890 *	3518 *	3937 *
	1500	67	47	81	99	152	185	250	293	445	530	636	757	1073	1213	1403	1683	2104	2420 *	2946 *	3297 *
	1200	54	37	65	80	122	149	201	236	359	427	512	610	865	978	1130	1357	1696	1950	2374 *	2657
	1000	45	31	54	66	102	124	168	196	299	356	427	508	720	815	942	1130	1413	1625	1979	2214
25	1800	72	50	87	116	163	205	269	330	478	582	683	851	1153 *	1304 *	1507 *	1809 *	2261 *	2601 *	3166 *	3543 *
	1500	60	42	72	97	136	170	224	275	398	485	569	709	961	1086	1256	1507	1884	2167	2638 *	2952 *
	1200	48	33	58	77	109	136	179	220	319	388	455	567	769	869	1005	1206	1507	1734	2110 *	2362 *
	1000	40	28	48	64	90	113	149	183	265	323	379	473	640	724	837	1005	1256	1445	1759	1968
28	1800	64	44	77	103	145	182	239	293	425	517	607	757	1025 *	1159 *	1340 *	1608 *	2010 *	2312 *	2814 *	3149 *
	1500	54	37	65	87	122	153	201	247	359	436	512	638	865	978	1130	1357	1696	1950	2374	2657 *
	1200	43	30	52	69	97	122	160	197	285	347	408	508	688	778	900	1080	1350	1553	1891	2116 *
	1000	36	25	43	58	81	102	134	165	239	291	341	425	576	652	753	904	1130	1300	1583	1771
32	1800	57	39	69	92	129	162	213	261	379	460	541	674	913 *	1032 *	1193 *	1432 *	1790 *	2059 *	2506 *	2805 *
	1500	48	33	58	77	109	136	179	220	319	388	455	567	769	869	1005	1206	1507	1734	2110	2362
	1200	38	26	46	61	86	108	142	174	252	307	360	449	608	688	795	954	1193	1372	1671	1870
	1000	32	22	38	51	72	91	119	146	212	258	303	378	512	579	670	804	1005	1156	1407	1574
36	1800	51	35	61	82	115	145	190	233	339	412	484	603	817 *	923 *	1068 *	1281 *	1602 *	1842 *	2242 *	2509 *
	1500	42	29	51	68	95	119	157	192	279	339	398	496	672	760	879	1055	1319	1517	1847	2067
	1200	34	23	41	55	77	96	127	155	226	274	322	402	544	615	712	854	1068	1228	1495	1673
	1000	28	19	34	45	63	79	104	128	186	226	265	331	448	507	586	703	879	1011	1231	1378
40	1800	45	31	54	73	102	128	168	206	299	363	427	532	720 *	815 *	942 *	1130 *	1413 *	1625 *	1979 *	2214 *
	1500	38	26	46	61	86	108	142	174	252	307	360	449	608	688	795	954	1193	1372	1671	1870
	1200	30	21	36	48	68	85	112	137	199	242	284	354	480	543	628	753	942	1083	1319	1476
	1000	25	17	30	40	56	71	93	114	166	202	237	295	400	452	523	628	785	903	1099	1230
45	1800	40	28	48	64	90	113	149	183	265	323	379	473	640 *	724 *	837 *	1005 *	1256 *	1445 *	1759 *	1968 *
	1500	33	23	40	53	74	93	123	151	219	266	313	390	528	597	691	829	1036	1192	1451	1624
	1200	27	18	32	43	61	76	100	123	179	218	256	319	432	489	565	678	848	975	1187	1328
	1000	22	15	26	35	49	62	82	100	146	177	208	260	352	398	460	552	691	794	967	1082
50	1800	36	25	43	58	81	102	134	165	239	291	341	425	576	652 *	753 *	904 *	1130 *	1300 *	1583 *	1771 *
	1500	30	21	36	48	68	85	112	137	199	242	284	354	480	543	628	753	942	1083	1319	1476
	1200	24	16	29	38	54	68	89	110	159	194	227	283	384	434	502	603	753	867	1055	1181
	1000	20	14	24	32	45	56	74	91	132	161	189	236	320	362	418	502	628	722	879	984
56	1800	32	22	38	51	72	91	119	146	212	258	303	378	512	579	670 *	804 *	1005 *	1156 *	1407 *	1574 *
	1500	27	18	32	43	61	76	100	123	179	218	256	319	432	489	565	678	848	975	1187	1328
	1200	21	14	25	34	47	59	78	96	139	169	199	248	336	380	439	527	659	758	923	1033
	1000	17.9	12	21	29	40	50	66	82	119	144	170	211	286	324	374	449	562	646	787	880
63	1800	29	20	34	47	64	82	108	133	192	234	275	343	464	525	607 *	728 *	910 *	1047 *	1275 *	1427 *
	1500	24	16	28	38	53	68	89	110	159	194	227	283	384	434	502	603	753	867	1055	1181
	1200	19	13	22	30	42	54	71	87	126	153	180	224	304	344	397	477	596	686	835	935
	1000	15.9	10	18	25	35	45	59	72	105	128	151	188	254	288	332	399	499	574	699	782
71	1800	25	17	28	40	52	71	89	114	157	202	237	295	400	452	523 *	628 *	785 *	903 *	1099 *	1230 *
	1500	21	14	24	34	43	59	74	96	131	169	199	248	336	380	439	527	659	758	923	1033
	1200	16.9	11	19	27	35	48	60	77	106	136	160	199	270	306	353	424	530	610	743	831
	1000	14.1	9.7	16	22	29	40	50	64	88	113	133	166	225	255	295	354	442	509	620	693
80	1800	23			33		64		105		185		272		416		578 *		830 *		1131 *
	1500	18.8			27		52		86		151		222		340		472		679		925
	1200	15			21		42		68		121		177		271		376		541		738
	1000	12.5			18		35		57		101		147		226		314		451		615
90	1800	20			29		52		90		157		236								
	1500	16.7			24		44		75		131		197								
	1200	13.3			19		35		59		104		157								
	1000	11.1			16		29		49		87		131								

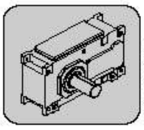
臥式安裝齒輪箱應採用強制潤滑　Forced lubrication required on horizontal

* 請洽詢　* on request

齒輪箱
額定輸出扭矩
類型 B3
型號 4-22

Gear Units
Nominal Output Torques
Type B3
Sizes 4-22

額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)																			
i_N	齒輪箱型號 / Gear unit sizes																		
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
5	6.1	9.4		19		29.9		46		68.6		122							
5.6	6.2	9.4		19		29.9		48.1		69.6		122	135	195					
6.3	6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.8	85.2	130	141	195					
7.1	6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	145	195	230				
8	6.2	9.4	12	19	23.8	29.9	38	54	63.1	80	91.5	132	148	195	230				
9	6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94.6	132	148	195	230				
10	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230				
11.2	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230				
12.5	5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250		340	
14	6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295	360	405
16	6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	230	275	308	380	422
18	6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	288	320	400	438
20	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332	420	455
22.4	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345	420	470
25	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
28	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
31.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
35.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
40	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
45	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
50	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
56	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
63	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
71	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345	420	470
80		11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345	420	470
90		11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345	420	470
100		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
112		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
125		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280		11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315		11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173	200	240	300	345	420	470
355			15.5		26.5		44.2		78		113		173		240		345		470
400			14.5		25.5		43		75		113								



齒輪箱 Gear Units

熱容量 Thermal Capacities

類型 B3 Type B3

型號 4-22 Sizes 4-22

$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
12.5	P_{GA}	38.1	50.8		79.7		103		140		172		221		235		*		*	
	P_{GB}	66.3	93.9		150		204		321		419		583		742		*		*	
	P_{GC}	76.8	124		218		323		456		714		1117		1339		*		*	
	P_{GD}	100	161		280		413		613		923		1410		1745		*		*	
14	P_{GA}	37.1	49.4		77.4		101		139		177		220	233	235	259	*	*	*	*
	P_{GB}	64.4	90.9		144		198		315		424		562	604	716	798	*	*	*	*
	P_{GC}	74.5	119		210		313		447		719		1066	1129	1286	1410	*	*	*	*
	P_{GD}	97.2	155		270		399		600		932		1349	1433	1677	1838	*	*	*	*
16	P_{GA}	35.2	47.9	55.4	74	86.2	99.4	110	133	155	165	191	221	227	241	245	*	*	*	*
	P_{GB}	61.3	87.5	100	137	158	193	214	300	347	388	448	553	579	713	732	*	*	*	*
	P_{GC}	70.8	115	128	200	223	304	343	425	557	654	740	1043	1079	1265	1292	*	*	*	*
	P_{GD}	92.2	149	165	257	285	388	434	569	724	846	959	1322	1366	1654	1682	*	*	*	*
18	P_{GA}	34.3	46.5	53.7	71.7	83.2	96.5	102	132	156	167	195	216	230	237	263	*	*	*	*
	P_{GB}	59.5	84.8	97.1	133	153	187	197	293	347	392	452	531	573	686	763	*	*	*	*
	P_{GC}	68.5	111	122	192	217	293	315	416	558	658	745	1001	1063	1210	1332	*	*	*	*
	P_{GD}	89.5	144	159	247	277	375	399	558	726	853	965	1265	1344	1584	1738	*	*	*	*
20	P_{GA}	32.4	44.6	51.9	68.9	79.4	92.8	105	126	147	159	180	212	223	234	246	271	*	270	*
	P_{GB}	56.1	81.3	93.5	127	145	179	203	280	323	367	413	513	548	662	700	814	*	899	*
	P_{GC}	64.8	107	118	184	204	280	323	396	516	615	677	961	1010	1164	1214	*	*	*	*
	P_{GD}	84.3	138	154	236	261	360	410	531	672	798	877	1215	1280	1523	1589	*	*	*	*
22.4	P_{GA}	31.6	44	50.4	66.8	77.4	90.7	97.5	122	148	154	185	210	219	236	243	276	286	279	270
	P_{GB}	54.6	80	90.7	123	141	175	186	266	324	349	417	498	528	646	675	795	833	881	907
	P_{GC}	63	105	115	178	198	272	295	367	515	574	683	910	966	1114	1164	*	*	*	*
	P_{GD}	82.2	137	149	226	253	348	375	495	671	746	885	1155	1227	1461	1525	*	*	*	*
25	P_{GA}	30.1	41.8	48.6	65	74.7	87.3	94.3	117	144	149	176	204	222	234	250	281	297	292	291
	P_{GB}	51.7	75.5	86.9	119	134	166	178	250	309	329	390	466	513	607	661	763	816	846	893
	P_{GC}	59.4	99.4	110	169	189	253	284	337	489	527	638	823	919	1013	1116	*	*	*	*
	P_{GD}	77.4	128	142	217	243	324	359	454	640	687	827	1047	1168	1333	1467	*	*	*	*
28	P_{GA}	29	40.6	48	62.1	72.7	83.9	92.7	113	140	144	172	205	216	239	248	285	302	301	306
	P_{GB}	49.4	72.7	85.5	112	130	157	174	238	295	312	373	453	480	596	621	731	782	811	857
	P_{GC}	56	94	109	156	183	235	274	313	456	489	593	789	832	980	1015	*	*	*	*
	P_{GD}	73.1	121	141	201	234	302	349	424	596	640	772	1007	1060	1292	1336	*	*	*	*
31.5	P_{GA}	27.5	38.6	45.5	59.2	70.3	80.6	89.1	108	133	139	165	196	215	232	250	279	302	299	312
	P_{GB}	46.8	68.7	80.6	106	125	149	165	225	276	296	350	423	468	557	608	688	749	759	821
	P_{GC}	52.5	87.6	102	146	174	220	254	291	417	453	543	715	797	896	982	*	*	*	*
	P_{GD}	68.6	113	133	188	222	282	324	395	548	595	710	917	1020	1184	1296	*	*	*	*
35.5	P_{GA}	25.9	36.4	44	56.4	67	76.9	85.3	105	128	135	159	192	205	228	241	278	293	297	306
	P_{GB}	43.8	64.3	77.5	100	119	141	156	215	262	284	332	407	435	538	569	666	703	731	767
	P_{GC}	48.3	80.2	96.8	135	162	201	237	276	389	431	506	680	725	853	897	*	*	*	*
	P_{GD}	63.1	104	126	174	207	260	302	373	509	566	662	873	929	1129	1188	*	*	*	*
40	P_{GA}	22.6	31.7	41.8	49.4	64.1	72.1	81.6	99.6	122	128	152	183	199	220	236	267	289	287	302
	P_{GB}	38.1	55.5	73.3	87.1	112	131	149	201	246	267	315	383	419	508	548	627	679	686	738
	P_{GC}	40.7	66.7	90.4	112	151	182	222	253	360	397	471	627	687	793	853	*	*	*	*
	P_{GD}	53.2	87	117	144	193	235	283	344	473	523	617	808	884	1053	1132	*	*	*	*
45	P_{GA}	22.1	30.9	39.3	48	60.9	66.4	77.7	91.6	117	119	147	171	190	206	228	253	278	270	291
	P_{GB}	37.2	54	68.5	84.1	106	120	140	184	236	244	301	352	395	470	520	582	638	634	692
	P_{GC}	39.5	64.3	82.9	108	139	164	203	227	340	356	446	564	634	719	798	*	*	*	*
	P_{GD}	51.8	84	107	139	179	211	260	311	449	467	586	728	818	955	1057	*	*	*	*
50	P_{GA}	22.4	30.8	34.4	47.6	53.6	65.5	73.1	92.4	112	122	141	178	179	219	216	256	267	302	283
	P_{GB}	37.4	53.3	59.4	82.5	92.5	117	131	181	221	244	283	356	363	478	481	561	595	668	641
	P_{GC}	39.5	62.6	69.2	104	116	156	184	222	312	352	412	567	571	727	725	*	*	*	*
	P_{GD}	51.6	81.9	90.3	134	149	203	236	301	411	466	543	728	738	962	963	*	*	*	*
56	P_{GA}	20.7	28.5	33.6	44.3	52.1	60.7	67.7	84.5	103	113	131	165	186	205	228	251	268	294	312
	P_{GB}	34.4	49.3	57.8	76.7	89.6	108	120	164	203	223	258	325	365	438	488	540	571	630	675
	P_{GC}	35.6	56.4	66.7	94.7	111	140	166	197	279	315	366	507	573	654	729	*	*	*	*
	P_{GD}	46.8	74.1	87.2	122	143	182	213	268	370	416	486	652	738	867	966	*	*	*	*
63	P_{GA}	19.9	27.4	33.4	42.8	51.5	58.7	66.5	81.7	103	109	133	159	171	198	211	245	260	287	298
	P_{GB}	33.1	47.3	57.1	74.1	88.1	104	117	158	198	214	259	309	333	419	447	520	549	608	633
	P_{GC}	33.7	53.3	65	89.8	108	132	159	185	271	296	365	475	510	615	657	*	*	*	*
	P_{GD}	44.3	70.1	85.1	116	140	173	203	253	358	393	481	612	659	820	869	*	*	*	*
71	P_{GA}	18.4	26.1	30.8	40.8	47.8	55	61.7	75.7	94.8	103	122	151	164	187	204	232	252	272	291
	P_{GB}	30.7	44.9	52.6	70.5	81.7	97.8	108	146	180	201	236	292	318	393	426	487	529	569	612
	P_{GC}	30.6	49.3	58.8	83.1	98.3	119	143	166	240	268	327	437	481	569	620	*	*	*	*
	P_{GD}	40.4	65.2	77.1	108	127	157	183	228	319	356	431	567	621	757	824	*	*	*	*
80	P_{GA}		29.5			46.2		59.6		90.7		117		157		193		239		276
	P_{GB}		50.6			79		105		173		227		301		400		495		574
	P_{GC}		55.4			93.2		134		224		307		442		570		*		*
	P_{GD}		72.8			121		174		300		407		573		761		*		*
90	P_{GA}		28.2			44		55.9		84.5		110								
	P_{GB}		48.1			75.1		98.4		161		212								
	P_{GC}		51.4			86.3		121		201		277								
	P_{GD}		67.9			112		159		271		369								

* 請洽詢 / * on request

其他說明請見類型B2

For additional notes, see type B2.

齒輪箱

熱容量
類型 B3
型號 4-22
n_1 = 1200 min^{-1}

Gear Units

Thermal Capacities
Type B3
Sizes 4-22
n_1 = 1200 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)

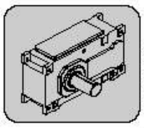
i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
12.5	P_{GA}	39.7	52.1		80.7		103.0		132.0		152.0		173.0		*		*		*	
	P_{GB}	75.6	106		169		230		356		457		620		777		*		*	
	P_{GC}	85.5	138		243		359		508		795		1243		1491		*		*	
	P_{GD}	115	184		321		472		697		1042		1577		1939		*		*	
14	P_{GA}	38.8	51		79		101		134				181	186	*	*	*	*	*	*
	P_{GB}	73.5	103		163		223		350		161		603	645	758	838	*	*	*	*
	P_{GC}	82.9	133		234		349		497		465		1187	1257	1432	1570	*	*	*	*
	P_{GD}	111	178		309		457		683		801		1513	1605	1871	2046	*	*	*	*
16	P_{GA}	37	49.5	57	75.7	87.5	100	110	129	147	1054	174	185	186	189	*	*	*	*	*
	P_{GB}	70	99.5	113	156	178	218	240	334	384	151	492	597	621	758	774	*	*	*	*
	P_{GC}	78.8	128	142	223	248	338	382	473	620	426	824	1161	1201	1408	1438	*	*	*	*
	P_{GD}	105	171	190	294	326	444	496	648	823	728	1085	1486	1532	1849	1876	*	*	*	*
18	P_{GA}	36	48.1	55.5	73.6	84.8	97.7	102	129	149	958	180	185	193	191	205	*	*	*	*
	P_{GB}	67.9	96.5	110	151	173	211	222	328	386	155	498	575	617	734	811	*	*	*	*
	P_{GC}	76.3	123	136	214	241	326	351	463	621	432	829	1115	1183	1347	1483	*	*	*	*
	P_{GD}	102	166	183	284	317	429	457	635	825	732	1093	1424	1510	1775	1942	*	*	*	*
20	P_{GA}	34	46.4	53.7	70.9	81.2	94.3	106	124	141	967	168	185	191	194	198	211	*	*	*
	P_{GB}	64.1	92.6	106	145	165	202	228	314	360	149	456	557	593	711	749	865	*	920	*
	P_{GC}	72.2	119	132	205	227	312	359	441	574	406	754	1070	1124	1296	1352	*	*	*	*
	P_{GD}	96.9	159	176	270	300	412	469	605	764	685	995	1370	1440	1710	1780	*	*	*	*
22.4	P_{GA}	33.3	45.8	52.3	68.9	79.4	92.5	98.9	120	144	905	174	187	192	201	202	222	226	*	*
	P_{GB}	62.4	91.1	103	140	160	198	210	298	361	147	462	544	574	698	725	850	888	910	920
	P_{GC}	70.2	117	128	198	220	303	329	409	573	387	761	1013	1076	1240	1296	*	*	*	*
	P_{GD}	94.5	158	171	260	290	399	429	565	764	639	1005	1304	1383	1644	1712	*	*	*	*
25	P_{GA}	31.8	43.7	50.6	67.4	77.1	89.7	96.4	117	142	847	170	189	202	208	219	241	250	*	*
	P_{GB}	59.1	86.2	99	135	153	188	202	281	346	144	435	513	563	662	718	826	880	889	926
	P_{GC}	66.1	110	122	188	211	282	316	375	545	367	710	916	1023	1128	1242	*	*	*	*
	P_{GD}	89	147	163	249	279	371	411	519	730	587	941	1186	1322	1505	1654	*	*	*	*
28	P_{GA}	30.7	42.6	50.3	64.8	75.5	86.8	95.6	114	140	783	170	195	204	222	227	257	269	244	*
	P_{GB}	56.6	83	97.5	127	148	179	197	269	332	143	417	503	531	656	682	800	854	868	906
	P_{GC}	62.4	104	121	174	204	261	305	349	508	350	660	879	926	1091	1130	*	*	*	*
	P_{GD}	84.2	139	162	231	268	346	400	486	682	545	881	1145	1204	1465	1513	*	*	*	*
31.5	P_{GA}	29.1	40.6	47.8	62	73.4	83.9	92.4	111	135	731	165	191	208	221	236	260	279	257	256
	P_{GB}	53.7	78.5	92.1	121	143	170	188	254	312	140	393	473	521	619	673	760	824	822	881
	P_{GC}	58.5	97.5	114	162	194	245	283	324	464	333	605	796	887	998	1093	*	*	*	*
	P_{GD}	78.9	130	153	216	255	324	372	453	627	505	811	1044	1161	1345	1471	*	*	*	*
35.5	P_{GA}	27.5	38.4	46.3	59.2	70.2	80.3	88.8	108	131	680	160	189	201	221	232	265	277	265	263
	P_{GB}	50.2	73.6	88.6	114	136	161	178	244	296	137	375	457	487	599	633	739	779	798	830
	P_{GC}	53.8	89.3	107	151	180	224	264	307	433	321	564	757	807	949	999	*	*	*	*
	P_{GD}	72.7	120	144	200	238	298	347	428	584	480	758	996	1059	1286	1351	*	*	*	*
40	P_{GA}	24	33.5	44.1	52	67.3	75.4	85.2	102	125	648	155	182	197	215	230	258	277	262	266
	P_{GB}	43.7	63.5	83.8	99.6	128	150	170	229	279	130	355	430	470	568	611	698	754	753	804
	P_{GC}	45.3	74.3	100	125	168	202	247	282	401	302	525	698	765	883	949	*	*	*	*
	P_{GD}	61.3	100	135	166	222	270	325	395	542	442	706	923	1009	1200	1289	*	*	*	*
45	P_{GA}	23.5	32.7	41.5	50.6	64	69.6	81.3	95	121	599	150	171	189	204	224	247	270	251	263
	P_{GB}	42.6	61.8	78.4	96.1	121	137	160	210	268	122	341	397	444	526	581	650	712	698	758
	P_{GC}	44	71.6	92.3	120	155	182	226	253	378	276	496	628	706	801	888	*	*	*	*
	P_{GD}	59.7	96.7	124	159	205	243	299	357	515	396	671	832	934	1090	1205	*	*	*	*
50	P_{GA}	23.8	32.7	36.4	50.3	56.6	69.1	77	96.6	116	535	146	182	182	221	218	257	266	293	269
	P_{GB}	42.9	61.1	68	94.5	105	133	150	207	251	126	321	402	411	539	542	631	669	744	712
	P_{GC}	44	69.7	77	116	129	174	205	247	348	278	459	631	636	809	807	*	*	*	*
	P_{GD}	59.4	94.3	103	154	172	234	272	346	472	392	623	834	845	1101	1101	*	*	*	*
56	P_{GA}	22	30.2	35.7	47	55.2	64.3	71.5	88.9	108	535	136	171	191	210	233	256	272	293	307
	P_{GB}	39.4	56.5	66.3	87.9	102	124	137	188	232	118	294	369	415	497	553	611	645	708	755
	P_{GC}	39.6	62.8	74.3	105	123	156	185	219	311	254	408	565	638	728	811	*	*	*	*
	P_{GD}	53.9	85.4	100	141	165	210	245	308	426	351	558	748	846	994	1107	*	*	*	*
63	P_{GA}	21.2	29.1	35.5	45.5	54.6	62.2	70.4	86.1	108	478	139	165	177	204	217	251	266	289	297
	P_{GB}	38	54.3	65.5	84.9	100	119	134	180	227	114	296	352	378	475	507	589	622	686	712
	P_{GC}	37.5	59.3	72.4	100	120	147	177	206	302	244	407	529	568	685	731	*	*	*	*
	P_{GD}	51	80.8	98	134	161	199	234	291	411	330	553	703	757	941	997	*	*	*	*
71	P_{GA}	19.6	27.7	32.8	43.3	50.8	58.3	65.3	79.9	99.8	452	128	158	170	194	210	239	259	275	292
	P_{GB}	35.3	51.6	60.3	80.9	93.6	112	124	167	206	108	269	333	362	446	484	553	600	643	689
	P_{GC}	34.1	54.9	65.4	92.5	109	133	159	185	267	229	364	487	535	633	690	*	*	*	*
	P_{GD}	46.6	75.1	88.8	125	146	181	211	262	367	298	495	651	713	869	945	*	*	*	*
80	P_{GA}			31.4		49.1		63.1		95.5	410	123		163		200		247		278
	P_{GB}			58.1		90.5		120		198		259		343		454		563		647
	P_{GC}			61.7		103		149		250		342		492		634		*		*
	P_{GD}			83.9		139		200		345		468		658		873		*		*
90	P_{GA}			30		46.8		59.3		89.2		115								
	P_{GB}			55.2		86.1		112		184		242								
	P_{GC}			57.2		96.1		135		224		309								
	P_{GD}			78.2		129		183		311		425								

* 請洽詢

其他說明請見類型B2

* on request

For additional notes, see type B2.



齒輪箱

熱容量
類型 B3
型號 4-22
n_1 = 1500 min^{-1}

Gear Units

Thermal Capacities
Type B3
Sizes 4-22
n_1 = 1500 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
12.5	P_{GA}	39	50		77		95		112		*		*		*		*		*	
	P_{GB}	84.8	118		186		250		377		468		602		728		*		*	
	P_{GC}	94.7	151		265		390		542		831		1261		1484		*		*	
	P_{GD}	131	209		362		529		768		1126		1652		1991		*		*	
14	P_{GA}	38.6	49.6		75.7		95.2		117		127		*	*	*	*	*	*	*	*
	P_{GB}	82.6	114		180		244		374		482		598	631	728	792	*	*	*	*
	P_{GC}	91.9	146		257		380		533		843		1217	1280	1443	1569	*	*	*	*
	P_{GD}	127	202		350		514		756		1147		1603	1688	1947	2110	*	*	*	*
16	P_{GA}	36.8	48.3	55.4	72.9	83.3	94.3	103	114	125	122	138	*	*	*	*	*	*	*	*
	P_{GB}	78.6	110	126	172	196	239	262	358	407	445	511	597	615	737	741	*	*	*	*
	P_{GC}	87.4	141	157	244	272	369	415	508	662	769	868	1196	1230	1429	1447	*	*	*	*
	P_{GD}	121	195	216	334	369	500	558	719	907	1047	1181	1583	1621	1937	1949	*	*	*	*
18	P_{GA}	35.9	47.2	54.1	71.1	81.1	92.5	96.3	115	129	128	146	*	*	*	*	*	*	*	*
	P_{GB}	76.4	107	122	167	191	232	243	353	411	454	520	581	617	722	787	*	*	*	*
	P_{GC}	84.7	136	150	235	265	357	383	499	665	777	877	1155	1219	1375	1503	*	*	*	*
	P_{GD}	117	189	208	322	359	485	514	707	913	1060	1195	1525	1608	1872	2033	*	*	*	*
20	P_{GA}	34	45.6	52.6	68.8	78	89.8	100	112	124	126	140	*	*	*	*	*	*	*	*
	P_{GB}	72.1	103	118	161	182	223	251	339	385	428	480	568	599	708	736	839	*	813	*
	P_{GC}	80.1	131	145	225	249	342	392	476	616	729	800	1114	1165	1332	1379	*	*	*	*
	P_{GD}	111	181	201	307	340	466	529	676	848	996	1092	1475	1542	1815	1876	*	*	*	*
22.4	P_{GA}	33.3	45.1	51.4	67.2	76.7	88.6	93.9	110	128	126	148	*	*	*	*	*	*	*	*
	P_{GB}	70.3	101	115	155	177	218	231	324	388	412	489	559	586	702	722	836	864	824	793
	P_{GC}	77.9	130	142	218	242	332	360	443	617	683	811	1061	1121	1282	1332	*	*	*	*
	P_{GD}	108	180	195	296	330	452	485	632	850	936	1107	1412	1490	1756	1818	*	*	*	*
25	P_{GA}	31.9	43.3	50.1	66.2	75.2	86.9	92.8	109	130	128	150	153	160	*	*	*	*	*	*
	P_{GB}	66.7	96.6	110	151	170	209	223	307	375	395	466	537	585	681	732	833	881	841	844
	P_{GC}	73.6	122	135	208	232	310	347	408	590	632	762	970	1078	1181	1294	*	*	*	*
	P_{GD}	102	168	186	284	317	422	466	584	817	870	1045	1297	1440	1629	1780	*	*	*	*
28	P_{GA}	30.9	42.5	50	64.1	74.4	85	93.1	109	131	131	155	168	172	183	182	200	*	*	*
	P_{GB}	63.9	93.3	109	143	165	199	220	296	363	380	452	535	562	689	711	828	878	855	869
	P_{GC}	69.4	116	134	193	225	288	336	382	554	590	715	939	987	1157	1193	*	*	*	*
	P_{GD}	96.7	159	185	264	306	395	455	549	767	819	985	1265	1326	1605	1650	*	*	*	*
31.5	P_{GA}	29.4	40.7	47.8	61.7	72.7	82.7	90.7	106	129	131	154	170	183	190	199	216	227	*	*
	P_{GB}	60.7	88.5	103	136	160	190	210	282	344	365	430	508	558	658	712	799	863	831	871
	P_{GC}	65.2	108	126	180	215	271	312	356	508	550	658	857	952	1067	1165	*	*	*	*
	P_{GD}	90.8	149	175	247	292	370	424	514	709	766	912	1162	1288	1487	1620	*	*	*	*
35.5	P_{GA}	27.8	38.6	46.4	59.1	69.8	79.6	87.7	105	125	130	151	173	181	196	203	228	235	*	*
	P_{GB}	56.8	83	99.8	129	152	181	199	271	328	353	412	495	526	644	677	786	825	821	839
	P_{GC}	59.9	99.3	119	167	200	248	292	338	475	524	615	819	871	1021	1071	*	*	*	*
	P_{GD}	83.7	138	166	229	272	341	396	487	661	732	855	1114	1181	1429	1498	*	*	*	*
40	P_{GA}	24.3	33.7	44.3	52	67.1	75	84.4	100	121	125	147	168	180	194	204	226	240	208	*
	P_{GB}	49.4	71.6	94.6	112	144	168	191	255	310	334	392	469	510	614	657	747	805	783	822
	P_{GC}	50.5	82.7	111	138	187	224	274	310	440	484	574	758	829	954	1022	*	*	*	*
	P_{GD}	70.6	115	155	191	254	309	372	449	616	678	798	1035	1129	1339	1434	*	*	*	*
45	P_{GA}	23.8	32.9	41.8	50.8	64	69.4	80.8	93.2	118	117	144	160	176	187	203	221	240	207	206
	P_{GB}	48.3	69.8	88.5	108	137	154	180	234	298	306	377	434	484	572	629	700	765	733	785
	P_{GC}	49	79.7	102	133	172	202	251	280	417	435	544	684	768	868	960	*	*	*	*
	P_{GD}	68.7	111	142	183	236	279	342	407	585	607	760	936	1049	1221	1346	*	*	*	*
50	P_{GA}	24.2	33	36.8	50.7	56.9	69.3	77	95.8	115	124	142	174	174	210	204	240	247	260	232
	P_{GB}	48.7	69.2	76.9	106	119	151	169	232	281	310	358	445	453	593	594	690	730	799	757
	P_{GC}	49.1	77.7	85.8	129	144	194	228	274	384	433	506	692	696	884	880	*	*	*	*
	P_{GD}	68.5	108	119	177	197	269	312	396	539	610	709	944	956	1242	1240	*	*	*	*
56	P_{GA}	22.4	30.7	36.2	47.5	55.7	64.8	72	88.9	108	117	135	167	186	203	225	245	260	271	279
	P_{GB}	44.8	64	75.1	99.5	116	140	155	211	260	285	330	411	461	552	612	675	712	772	818
	P_{GC}	44.2	70.1	82.9	117	138	174	206	243	345	389	451	622	702	800	891	*	*	*	*
	P_{GD}	62.1	98.3	115	162	190	241	281	354	488	547	637	852	962	1128	1255	*	*	*	*
63	P_{GA}	21.6	29.5	36	46.1	55.2	62.8	71	86.3	108	114	138	162	173	199	211	243	256	272	275
	P_{GB}	43.2	61.6	74.2	96.2	114	135	151	203	255	275	332	393	422	529	563	654	689	752	776
	P_{GC}	41.9	66.2	80.8	111	134	164	197	229	335	366	451	585	627	755	805	*	*	*	*
	P_{GD}	58.9	93	112	154	185	229	269	334	471	517	633	802	862	1071	1133	*	*	*	*
71	P_{GA}	20	28.2	33.3	43.9	51.4	59	65.9	80.2	99.9	107	127	155	167	190	205	232	251	261	273
	P_{GB}	40	58.5	68.4	91.7	106	126	140	189	232	258	302	372	404	498	539	615	666	707	754
	P_{GC}	38	61.3	73	103	122	148	177	206	297	331	404	538	591	698	760	*	*	*	*
	P_{GD}	53.7	86.5	102	143	168	209	243	301	421	469	567	743	813	990	1075	*	*	*	*
80	P_{GA}			31.9		49.7		63.8		95.8		123		161		196		240		262
	P_{GB}			65.9		102		136		224		291		384		507		626		710
	P_{GC}			68.8		115		167		278		379		544		700		*		*
	P_{GD}			96.7		160		231		396		536		751		994		*		*
90	P_{GA}			30.5		47.4		60		89.6		115								
	P_{GB}			62.7		97.6		127		208		273								
	P_{GC}			63.8		107		151		249		343								
	P_{GD}			90.1		149		210		357		487								

* 請洽詢

* on request

其他說明請見類型B2

For additional notes, see type B2.

齒輪箱

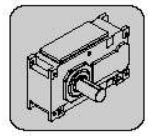
熱容量
類型 B3
型號 4-22

n_1 = 1800 min^{-1}

Gear Units

Thermal Capacities
Type B3
Sizes 4-22

n_1 = 1800 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		齒輪箱型號 / Gear unit sizes																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
12.5	P_{GA}	39	48		70.4		82.9		*		*		*		*		*		*	
	P_{GB}	93.5	128		201		267		388		461		548		622		*		*	
	P_{GC}	103	165		288		420		574		863		1271		1465		*		*	
	P_{GD}	148	234		403		585		835		1199		1704		2009		*		*	
14	P_{GA}	38.4	47.7		70.6		84.9		*		*		*	*	*	*	*	*	*	*
	P_{GB}	91.2	125		196		262		390		483		561	581	650	687	*	*	*	*
	P_{GC}	100	160		279		410		568		882		1240	1296	1445	1556	*	*	*	*
	P_{GD}	143	226		390		570		826		1231		1674	1750	1996	2141	*	*	*	*
16	P_{GA}	36.8	46.7	53.1	68.5	76.8	85.1	90.8	89.8	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	86.9	121	138	187	212	258	281	375	419	450	513	568	575	671	658	*	*	*	*
	P_{GC}	95.9	154	171	266	295	399	448	542	701	807	909	1226	1252	1440	1446	*	*	*	*
	P_{GD}	136	218	241	372	410	555	618	787	986	1128	1268	1662	1691	2000	1994	*	*	*	*
18	P_{GA}	35.9	45.9	52.2	67.4	75.5	84.4	86.1	93.1	*	*	*	*	*	*	*	*	*	*	*
	P_{GB}	84.5	118	134	182	207	250	261	371	426	462	527	560	586	669	714	*	*	*	*
	P_{GC}	93	149	164	256	287	386	414	534	706	819	921	1190	1248	1395	1513	*	*	*	*
	P_{GD}	132	212	233	360	400	539	570	776	995	1146	1289	1610	1687	1946	2096	*	*	*	*
20	P_{GA}	34.1	44.5	51	65.7	73.3	82.9	90.8	93.3	96	*	*	*	*	*	*	*	*	*	*
	P_{GB}	79.9	113	129	175	198	241	270	358	401	440	489	555	577	668	681	761	*	622	*
	P_{GC}	88	143	159	246	271	371	425	511	657	771	844	1154	1199	1360	1399	*	*	*	*
	P_{GD}	125	203	225	344	379	519	588	743	926	1081	1182	1566	1628	1900	1949	*	*	*	*
22.4	P_{GA}	33.6	44.3	50.1	64.6	72.7	82.7	86.2	93.7	102	*	*	*	*	*	*	*	*	*	*
	P_{GB}	77.9	112	126	170	193	237	250	343	407	426	503	554	573	673	681	774	789	661	576
	P_{GC}	85.7	142	155	238	263	361	390	476	659	725	858	1104	1161	1318	1360	*	*	*	*
	P_{GD}	122	202	219	331	368	504	539	697	932	1019	1203	1507	1582	1851	1902	*	*	*	*
25	P_{GA}	32.3	43	49.4	64.6	72.5	82.8	87.2	97.2	110	102	116	*	*	*	*	*	*	*	*
	P_{GB}	74.1	106	122	165	186	228	243	329	398	414	486	544	587	674	714	803	840	732	688
	P_{GC}	80.9	134	148	227	254	337	377	440	634	675	813	1020	1128	1229	1339	*	*	*	*
	P_{GD}	115	189	209	319	355	471	520	647	901	954	1143	1399	1546	1738	1890	*	*	*	*
28	P_{GA}	31.4	42.6	49.9	63.4	72.9	82.5	89.4	100	117	112	130	*	*	*	*	*	*	*	*
	P_{GB}	71.1	103	121	157	182	218	240	320	390	404	479	554	577	700	716	826	869	794	773
	P_{GC}	76.5	127	147	211	246	315	367	414	598	635	767	998	1044	1218	1251	*	*	*	*
	P_{GD}	109	179	209	296	344	442	509	611	851	903	1085	1378	1440	1734	1776	*	*	*	*
31.5	P_{GA}	30.1	41	48	61.6	72	81.3	88.4	100	118	116	135	137	142	*	*	*	*	*	*
	P_{GB}	67.6	98.1	114	150	177	209	230	306	371	391	460	534	582	681	731	814	874	802	815
	P_{GC}	71.8	119	139	198	236	297	341	387	551	594	710	916	1015	1133	1233	*	*	*	*
	P_{GD}	102	169	197	278	328	415	476	573	788	849	1009	1274	1409	1619	1759	*	*	*	*
35.5	P_{GA}	28.5	39.1	46.9	59.4	69.7	78.9	86.3	100	118	119	137	146	149	155	155	*	*	*	*
	P_{GB}	63.3	92.1	110	142	168	199	219	296	356	381	443	525	555	674	705	813	849	813	810
	P_{GC}	66.1	109	131	184	219	272	320	369	516	568	666	880	933	1091	1141	*	*	*	*
	P_{GD}	94.6	155	187	258	306	384	445	544	738	814	949	1228	1299	1566	1636	*	*	*	*
40	P_{GA}	25	34.2	44.9	52.4	67.2	74.7	83.6	97	115	116	136	146	153	160	164	175	*	*	*
	P_{GB}	55.1	79.6	105	124	160	186	211	279	337	362	424	500	541	647	690	779	836	786	808
	P_{GC}	55.7	91	123	152	205	246	300	339	480	526	623	816	891	1022	1092	*	*	*	*
	P_{GD}	79.8	129	175	215	286	348	418	503	688	755	888	1144	1245	1472	1572	*	*	*	*
45	P_{GA}	24.5	33.5	42.5	51.3	64.4	69.5	80.4	90.8	113	110	134	142	154	159	169	179	190	*	*
	P_{GB}	53.9	77.7	98.4	120	151	170	199	257	326	333	409	465	517	607	665	737	801	746	785
	P_{GC}	54.1	87.8	113	147	190	222	275	306	454	473	592	739	828	933	1029	*	*	*	*
	P_{GD}	77.7	125	161	206	265	314	384	457	655	677	847	1037	1160	1346	1481	*	*	*	*
50	P_{GA}	24.9	33.9	37.7	51.7	57.8	70.2	77.7	95.2	113	120	138	163	161	191	184	212	216	206	*
	P_{GB}	54.4	77.1	85.7	118	132	167	188	256	310	340	392	483	491	640	639	739	780	837	783
	P_{GC}	54.2	85.7	94.6	142	158	213	250	300	421	473	552	752	755	958	951	*	*	*	*
	P_{GD}	77.5	122	135	200	223	303	352	445	606	684	794	1053	1064	1380	1376	*	*	*	*
56	P_{GA}	23.1	31.6	37.2	48.7	57	66.1	73.2	89.4	108	116	133	161	179	193	211	229	240	236	234
	P_{GB}	50	71.4	83.7	110	129	156	173	234	288	314	363	450	504	601	665	731	771	823	866
	P_{GC}	48.9	77.4	91.4	129	152	192	227	267	379	426	494	680	766	871	969	*	*	*	*
	P_{GD}	70.3	111	130	183	215	272	318	398	549	614	716	954	1076	1260	1401	*	*	*	*
63	P_{GA}	22.3	30.4	37.1	47.3	56.6	64.2	72.5	87.3	108	114	137	158	168	192	202	231	242	244	240
	P_{GB}	48.3	68.7	82.9	107	127	150	168	226	283	303	367	431	463	579	615	712	750	808	828
	P_{GC}	46.3	73.1	89.2	123	147	181	217	252	368	401	494	639	685	824	877	*	*	*	*
	P_{GD}	66.7	105	127	174	210	259	304	377	531	582	712	899	966	1198	1267	*	*	*	*
71	P_{GA}	20.7	29.1	34.3	45.2	52.7	60.4	67.4	81.3	100	107	127	153	163	184	198	222	239	238	243
	P_{GB}	44.8	65.3	76.3	102	118	141	156	210	257	285	334	409	444	546	590	671	726	763	808
	P_{GC}	42	67.7	80.6	113	134	163	195	226	327	363	443	589	647	763	830	*	*	*	*
	P_{GD}	60.8	97.9	115	162	190	236	275	340	474	528	638	834	912	1109	1204	*	*	*	*
80	P_{GA}			32.9		51.1		65.3		96.9		123		158		190		231		237
	P_{GB}			73.6		114		151		248		323		423		556		684		764
	P_{GC}			76		127		184		305		417		595		765		*		*
	P_{GD}			109		182		261		447		604		843		1114		*		*
90	P_{GA}			31.5		48.8		61.5		90.9		116								
	P_{GB}			70		108		142		231		302								
	P_{GC}			70.5		118		166		274		377								
	P_{GD}			102		168		238		403		549								

*	請洽詢

其他說明請見類型B2

*	on request

For additional notes, see type B2.

齒輪箱
額定功率
類型 B4
型號 5-22

Gear Units
Nominal Power Ratings
Type B4
Sizes 5-22

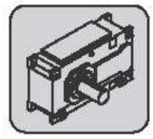
額定功率 P_{2N} (kW) / Nominal power ratings P_{2N} (kW)																				
i_N	n1	n2	齒輪箱型號 / Gear unit sizes																	
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
80	1800	23	27		52		85		148		218		368		481		722 *		1011 *	
	1500	18.8	22		42		70		121		178		301		393		590		826	
	1200	15	18		34		56		96		142		240		314		471		659	
	1000	12.5	15		28		46		80		118		200		261		392		549	
90	1800	20	24		45		74		129		189		320	362	418	502	628 *	722 *	879 *	984 *
	1500	16.7	20		37		62		107		158		267	302	349	419	524	603	734	821
	1200	13.3	16		30		49		85		126		213	240	278	334	417	480	584	654
	1000	11.1	13		25		41		71		105		177	201	232	278	348	400	488	546
100	1800	18	21	29	40	51	67	83	116	147	170	212	288	326	376	452	565 *	650 *	791 *	885 *
	1500	15	18	24	34	42	56	69	96	122	142	177	240	271	314	376	471	541	659	738
	1200	12	14	19	27	34	44	55	77	98	113	141	192	217	251	301	376	433	527	590
	1000	10	12	16	22	28	37	46	64	81	94	118	160	181	209	251	314	361	439	492
112	1800	16.1	19	26	36	45	60	74	103	131	152	190	257	291	337	404	505 *	581 *	708 *	792 *
	1500	13.4	16	21	30	38	50	62	86	109	127	158	214	242	280	336	420	484	589	659
	1200	10.7	12	17	24	30	39	49	69	87	101	126	171	193	224	268	336	386	470	526
	1000	8.9	10	14	20	25	33	41	57	72	84	105	142	161	186	223	279	321	391	438
125	1800	14.4	17	23	32	41	53	66	92	117	136	170	230	260	301	361	452 *	520 *	633 *	708 *
	1500	12	14	19	27	34	44	55	77	98	113	141	192	217	251	301	376	433	527	590
	1200	9.6	11	15	21	27	35	44	61	78	91	113	153	173	201	241	301	346	422	472
	1000	8	9.7	12	18	22	29	37	51	65	75	94	128	144	167	201	251	289	351	393
140	1800	12.9	15	20	29	36	48	59	83	105	122	152	206	233	270	324	405 *	466 *	567 *	634 *
	1500	10.7	12	17	24	30	39	49	69	87	101	126	171	193	224	268	336	386	470	526
	1200	8.6	10	13	19	24	32	39	55	70	81	101	137	155	180	216	270	310	378	423
	1000	7.1	8.6	11	16	20	26	32	45	57	67	84	113	128	148	178	223	256	312	349
160	1800	11.3	13	18	25	32	42	52	72	92	107	133	181	204	236	283	354 *	408 *	496 *	556 *
	1500	9.4	11	15	21	26	35	43	60	76	89	111	150	170	196	236	295	339	413	462
	1200	7.5	9.1	12	17	21	28	34	48	61	71	88	120	135	157	188	235	270	329	369
	1000	6.3	7.6	10	14	17	23	29	40	51	59	74	100	114	131	158	197	227	277	310
180	1800	10	12	16	22	28	37	46	64	81	94	118	160	181	209	251	314 *	361 *	439 *	492 *
	1500	8.3	10	13	18	23	31	38	53	67	78	98	132	150	173	208	260	299	365	408
	1200	6.7	8.1	10	15	19	25	31	43	54	63	79	107	121	140	168	210	242	294	329
	1000	5.6	6.8	9	12	15	20	25	36	45	53	66	89	101	117	140	175	202	246	275
200	1800	9	10	14	20	25	33	41	58	73	85	106	144	163	188	226	282 *	325 *	395 *	442 *
	1500	7.5	9.1	12	17	21	28	34	48	61	71	88	120	135	157	188	235	270	329	369
	1200	6	7.2	9.7	13	17	22	27	38	49	56	70	96	108	125	150	188	216	263	295
	1000	5	6	8.1	11	14	18	23	32	40	47	59	80	90	104	125	157	180	219	246
224	1800	8	9.7	12	18	22	29	37	51	65	75	94	128	144	167	201	251 *	289 *	351 *	393 *
	1500	6.7	8.1	10	15	19	25	31	43	54	63	79	107	121	140	168	210	242	294	329
	1200	5.4	6.5	8.7	12	15	20	24	34	44	51	63	86	97	113	135	169	195	237	265
	1000	4.5	5.4	7.3	10	12	16	20	29	36	42	53	72	81	94	113	141	162	197	221
250	1800	7.2	8.7	11	16	20	26	33	46	58	68	85	115	130	150	180	226 *	260 *	316 *	354 *
	1500	6	7.2	9.7	13	17	22	27	38	49	56	70	96	108	125	150	188	216	263	295
	1200	4.8	5.8	7.7	10	13	17	22	30	39	45	56	76	86	100	120	150	173	211	236
	1000	4	4.8	6.4	9	11	14	18	25	32	37	47	64	72	83	100	125	144	175	196
280	1800	6.4	7.7	10	14	18	23	29	41	52	60	75	102	115	134	160	201 *	231 *	281 *	314 *
	1500	5.4	6.5	8.7	12	15	19	24	34	44	51	63	86	97	113	135	169	195	237	265
	1200	4.3	5.2	6.9	9.7	12	15	19	27	35	40	50	68	77	90	108	135	155	189	211
	1000	3.6	4.3	5.8	8.1	10	13	16	23	29	34	42	57	65	75	90	113	130	158	177
315	1800	5.7	6.6	9.2	12	16	20	26	35	46	54	67	91	103	119	143	179 *	205 *	250 *	280 *
	1500	4.8	5.6	7.7	10	13	17	22	30	39	45	56	76	86	100	120	150	173	211	236
	1200	3.8	4.4	6.1	8.1	10	13	17	23	31	36	44	60	68	79	95	119	137	167	187
	1000	3.2	3.7	5.1	6.8	9.1	11	14	20	26	30	37	51	57	67	80	100	115	140	157
355	1800	5.1		8.2		14		23		41		60		92		128		184 *		250 *
	1500	4.2		6.8		11		19		34		49		76		105		151		206
	1200	3.4		5.5		9.4		15		27		40		61		85		122		167
	1000	2.8		4.5		7.7		12		22		33		50		70		101		137
400	1800	4.5		6.8		12		20		35		53								
	1500	3.8		5.7		10		17		29		44								
	1200	3		4.5		8		13		23		35								
	1000	2.5		3.7		6.6		11		19		29								

臥式安裝齒輪箱應採用強制潤滑 — Forced lubrication required on horizontal

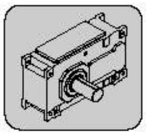
* 請洽詢 — * on request

齒輪箱
額定輸出扭矩
類型 B4
型號 5-22

Gear Units
Nominal Output Torques
Type B4
Sizes 5-22



i_N	額定輸出扭矩 T_{2N} (kNm) / Nominal output torques T_{2N} (kNm)																		
	齒輪箱型號 / Gear unit sizes																		
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
5	6.1	9.4		19		29.9		46		68.6		122							
5.6	6.2	9.4		19		29.9		48.1		69.6		122	135	195					
6.3	6.2	9.4	12	19	23.8	29.9	38	50.2	58.8	73.8	85.2	130	141	195					
7.1	6.2	9.4	12	19	23.8	29.9	38	52.4	60.9	75.9	87.3	132	145	195	230				
8	6.2	9.4	12	19	23.8	29.9	38	54	63.1	80	91.5	132	148	195	230				
9	6.2	9.4	12	19	23.8	29.9	38	54	65.2	81.1	94.6	132	148	195	230				
10	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	98.8	132	148	195	230				
11.2	6.2	9.4	12	19	23.8	29.9	38	54	66.3	81.1	101	132	148	195	230				
12.5	5.5	9.4	12	17	23.8	28	38	52.4	66.3	79.5	101	132	148	195	230	250		340	
14	6	9.8	12	18.2	23.8	29.5	38	56.7	66.3	81.6	101	137	148	195	230	262	295	360	405
16	6.6	10.5	12	19.8	21.5	31	35.6	59.9	66.3	83.8	99.4	142	154	200	230	275	308	380	422
18	6.7	11.3	12.6	21.1	23.1	33.9	37.5	62	69.5	86.7	102	148	160	200	240	288	320	400	438
20	6.7	11.6	13.2	21.7	25	35.7	39.3	63.5	72.7	90.7	105	153	167	200	240	300	332	420	455
22.4	6.7	11.6	14.2	21.7	26.5	35.7	41.8	63.5	75.6	90.7	108	153	173	200	240	300	345	420	470
25	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
28	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
31.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
35.5	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
40	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
45	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
50	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
56	6.7	11.6	15.5	21.7	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
63	6.6	11.4	15.5	21.4	27.2	35.7	43.8	63.5	77.2	90.7	113	153	173	200	240	300	345	420	470
71	6.6	11	15.5	20	27.2	34	43.8	60	77.2	90.7	113	153	173	200	240	300	345	420	470
80		11.6	14	21.7	26.9	35.7	43.8	61.6	77.2	90.7	113	153	173	200	240	300	345	420	470
90		11.6	14	21.7	25.2	35.7	43	61.6	75	90.7	113	153	173	200	240	300	345	420	470
100		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
112		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
125		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
140		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
160		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
180		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
200		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
224		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
250		11.6	15.5	21.7	27.2	35.7	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
280		11.6	15.5	21.7	27.2	35.3	44.2	61.6	78	90.7	113	153	173	200	240	300	345	420	470
315		11.2	15.5	20.5	27.2	34	44.2	60	78	90.7	113	153	173	200	240	300	345	420	470
355			15.5		26.5		44.2		78		113		173		240		345		470
400			14.5		25.5		43		75		113								



齒輪箱
熱容量
類型 B4
型號 5-22
$n_1 = 1000\ min^{-1}$

Gear Units
Thermal Capacities
Type B4
Sizes 5-22
$n_1 = 1000\ min^{-1}$

熱容量 P_G (kW) / Thermal capacities P_G (kW)																			
i_N		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
80	P_{GA}	28.6		42.4		60		90.6		121		162		183		250		351	
90	P_{GA}	27.9		41		58.6		87.9		118		155	167	175	188	240	256	339	355
100	P_{GA}	26.6	30.6	38.8	45.3	55.6	60.4	84.4	101	112	130	146	160	164	180	227	246	319	344
112	P_{GA}	25.6	29.9	37.4	44	53.5	59	80.4	97.6	107	126	139	151	157	169	216	232	309	322
125	P_{GA}	24.5	28.6	35.7	41.6	51	56	77	93.2	102	119	132	144	149	161	205	221	291	313
140	P_{GA}	23.4	27.5	33.9	40.1	48.1	53.9	72.8	88.8	97.6	114	128	137	144	154	198	211	281	294
160	P_{GA}	21.5	26.3	30.9	38.2	44	51.3	66.4	85.1	92.4	110	121	132	136	148	187	203	265	284
180	P_{GA}	21.1	25.1	30.1	36.4	42.9	48.7	64.6	80.6	87.2	103	114	124	128	139	175	191	248	269
200	P_{GA}	20.4	23.1	29.9	33.2	42	44.6	63.2	73.6	85.2	98.5	112	117	126	132	174	179	240	251
224	P_{GA}	19	22.7	27.8	32.4	39.3	43.4	59.4	71.8	79.9	93.2	105	116	117	130	163	179	224	243
250	P_{GA}	18.5	21.8	26.9	32.1	37.9	42.5	57.5	70.1	77.3	90.6	102	108	114	122	158	168	217	227
280	P_{GA}	17.6	20.4	25.2	30	36.1	39.8	55	65.8	73	85.2	95	104	107	117	148	161	207	220
315	P_{GA}	16.5	19.8	23.6	28.8	33.9	38.4	51.3	63.7	69.6	82.4	89.7	98.5	101	110	140	153	193	210
355	P_{GA}		19		27.1		36.6		60.8		77.8		92.4		104		144		196
400	P_{GA}		17.7		25.4		34.5		56.7		74.1								

齒輪箱
熱容量
類型 B4
型號 5-22
$n_1 = 1200\ min^{-1}$

Gear Units
Thermal Capacities
Type B4
Sizes 5-22
$n_1 = 1200\ min^{-1}$

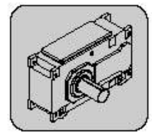
熱容量 P_G (kW) / Thermal capacities P_G (kW)																			
i_N		齒輪箱型號 / Gear unit sizes																	
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
80	P_{GA}	30.5		45.1		63.5		94.9		125		165		183		248		334	
90	P_{GA}	29.9		43.7		62.2		92.3		123		159	170	176	189	240	255	327	336
100	P_{GA}	28.5	32.7	41.4	48.2	59.1	64.1	88.9	106	117	135	150	163	167	182	228	247	311	330
112	P_{GA}	27.5	32	39.9	46.9	56.9	62.7	84.9	102	112	132	144	155	161	173	219	235	306	314
125	P_{GA}	26.3	30.6	38.2	44.4	54.4	59.7	81.5	98.4	108	125	138	149	154	166	210	226	291	309
140	P_{GA}	25.1	29.5	36.3	42.9	51.4	57.5	77.3	94.1	103	120	134	143	149	159	204	217	284	294
160	P_{GA}	23.1	28.2	33.2	41	47	54.9	70.7	90.4	97.8	116	127	138	142	155	194	210	271	288
180	P_{GA}	22.7	27	32.4	39	46	52.2	69	85.9	92.8	110	120	131	135	146	183	200	256	276
200	P_{GA}	21.9	24.9	32.1	35.7	45.1	47.8	67.7	78.7	91	105	119	125	134	140	183	189	251	261
224	P_{GA}	20.4	24.4	30	34.9	42.3	46.7	63.8	77	85.6	99.8	112	123	125	138	174	190	237	256
250	P_{GA}	20	23.5	29	34.6	40.8	45.8	61.9	75.4	83.1	97.4	109	116	122	131	169	180	232	243
280	P_{GA}	19	22	27.2	32.3	39	43	59.3	71	78.8	92	102	113	115	127	160	174	224	237
315	P_{GA}	17.8	21.4	25.5	31.1	36.6	41.5	55.4	68.7	75.2	89	96.9	106	109	119	152	165	209	227
355	P_{GA}		20.5		29.2		39.6		65.6		84		99.7		113		155		211
400	P_{GA}		19.1		27.4		37.3		61.2		80								

*	請洽詢
P_{GA} (kW)	齒輪箱無輔助冷卻裝置 **)
**)	表中數值依
	每小時工作周期：100 %
	在室內大空間安裝
	海拔高度不超過1000m

*	on request
P_{GA} (kW)	Gear units without auxiliary cooling **)
**)	Values refer to :
	Operating cycle: 100 %
	Installation in a large hall
	Altitude up to 1000 m

齒輪箱
熱容量
類型 B4
型號 5-22
n_1 = 1500 min^{-1}

Gear Units
Thermal Capacities
Type B4
Sizes 5-22
n_1 = 1500 min^{-1}



熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		齒輪箱型號 / Gear unit sizes																	
80	P_{GA}	31.7		46.9		66.1		98.6		130		171		189		256		343	
90	P_{GA}	31.1		45.5		64.7		95.9		128		164	175	183	195	248	264	337	345
100	P_{GA}	29.6	34	43.1	50.2	61.5	66.7	92.4	110	121	140	156	169	173	188	236	255	321	339
112	P_{GA}	28.6	33.3	41.5	48.8	59.2	65.3	88.3	106	116	137	149	161	167	179	227	243	315	323
125	P_{GA}	27.4	31.8	39.7	46.2	56.6	62.1	84.8	102	112	130	143	155	159	172	218	234	300	318
140	P_{GA}	26.1	30.7	37.8	44.6	53.5	59.9	80.4	97.8	107	125	139	148	155	165	211	225	294	304
160	P_{GA}	24.1	29.4	34.5	42.7	49	57.2	73.6	94.1	101	121	132	143	147	160	202	218	281	298
180	P_{GA}	23.6	28.1	33.7	40.7	47.9	54.3	71.8	89.3	96.5	114	125	136	140	152	190	208	266	286
200	P_{GA}	22.8	25.9	33.5	37.2	47	49.8	70.5	81.9	94.7	109	124	130	139	146	191	196	260	271
224	P_{GA}	21.3	25.4	31.2	36.4	44	48.6	66.5	80.2	89.1	104	117	128	130	144	181	198	246	266
250	P_{GA}	20.8	24.5	30.2	36	42.5	47.8	64.5	78.6	86.6	101	114	120	127	136	176	187	241	252
280	P_{GA}	19.8	22.9	28.4	33.7	40.6	44.8	61.8	74	82.1	95.9	106	117	120	132	167	182	233	247
315	P_{GA}	18.6	22.3	26.6	32.4	38.2	43.2	57.8	71.6	78.4	92.7	100	110	113	124	158	172	217	236
355	P_{GA}		21.3		30.4		41.2		68.4		87.6		103		117		162		220
400	P_{GA}		19.9		28.6		38.9		63.8		83.4								

齒輪箱
熱容量
類型 B4
型號 5-22
n_1 = 1800 min^{-1}

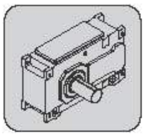
Gear Units
Thermal Capacities
Type B4
Sizes 5-22
n_1 = 1800 min^{-1}

熱容量 P_G (kW) / Thermal capacities P_G (kW)

i_N		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		齒輪箱型號 / Gear unit sizes																	
80	P_{GA}	33		48.6		68.1		100		130		168		184		245		312	
90	P_{GA}	32.3		47.2		66.8		97.9		129		163	173	178	190	239	253	311	311
100	P_{GA}	30.9	35.4	44.8	52	63.6	68.8	94.7	112	123	142	155	168	170	185	230	247	301	312
112	P_{GA}	29.8	34.7	43.2	50.6	61.4	67.5	90.7	109	118	139	150	161	165	177	223	238	300	302
125	P_{GA}	28.5	33.2	41.4	48	58.8	64.3	87.3	105	114	133	144	155	160	171	216	231	290	303
140	P_{GA}	27.3	32	39.4	46.5	55.6	62.2	83.1	100	109	128	141	150	156	166	212	224	288	294
160	P_{GA}	25.2	30.7	36.1	44.5	51	59.5	76.2	97.2	104	124	135	146	150	162	204	220	278	292
180	P_{GA}	24.7	29.4	35.2	42.5	50	56.6	74.6	92.6	99.8	118	129	140	143	155	194	211	266	285
200	P_{GA}	23.9	27.1	35	38.9	49.1	52	73.4	85.2	98.3	113	128	134	143	150	196	201	264	274
224	P_{GA}	22.3	26.7	32.7	38.1	46.1	50.9	69.5	83.7	92.9	108	121	133	135	149	187	205	253	273
250	P_{GA}	21.8	25.7	31.7	37.8	44.6	50.1	67.6	82.3	90.6	106	119	126	133	142	184	195	251	262
280	P_{GA}	20.9	24.1	29.8	35.4	42.7	47.1	65	77.7	86.3	100	112	123	126	139	175	191	245	260
315	P_{GA}	19.5	23.5	27.9	34.1	40.1	45.4	60.7	75.2	82.3	97.4	106	116	119	131	166	180	228	248
355	P_{GA}		22.4		32		43.3		71.8		92		109		123		170		231
400	P_{GA}		21		30		40.8		67		87.6								

* 請洽詢
P_{GA} (kW) 齒輪箱無輔助冷卻裝置 **)
**) 表中數值依
每小時工作周期：100 %
在室內大空間安裝
海拔高度不超過1000m

* on request
P_{GA} (kW) Gear units without auxiliary cooling **)
**) Values refer to :
Operating cycle: 100 %
Installation in a large hall
Altitude up to 1000 m



齒輪箱
實際傳動比
類型 H1SH, H2.., H3.., H4..,
型號 3-12

Gear Units
Actual Ratios
Type H1SH, H2.., H3.., H4..,
Sizes 3-12

實際傳動比 i / Actual ratios i										
i_N	齒輪箱型號 / Gear unit sizes									
	3	4	5	6	7	8	9	10	11	12
1.25	1.243	-	1.256	-	1.263	-	1.270	-	-	-
1.4	1.371	-	1.378	-	1.389	-	1.400	-	-	-
1.6	1.594	-	1.588	-	1.606	-	1.625	-	1.636	-
1.8	1.829	-	1.839	-	1.774	-	1.800	-	1.806	-
2.0	2.000	-	2.034	-	1.966	-	2.000	-	2.000	-
2.2	2.194	-	2.259	-	2.308	-	2.231	-	2.222	-
2.5	2.536	-	2.520	-	2.583	-	2.500	-	2.480	-
2.8	2.808	-	2.826	-	2.800	-	2.741	-	2.783	-
3.15	3.125	-	3.190	-	3.130	-	3.208	-	3.080	-
3.55	3.500	-	3.591	-	3.524	-	3.591	-	3.478	-
4.0	3.950	-	4.050	-	4.000	-	4.050	-	3.905	-
4.5	4.435	-	4.619	-	4.400	-	4.381	-	4.421	-
5.0	4.952	-	4.900	-	4.905	-	4.947	-	5.150	-
5.6	5.579	-	5.556	-	5.526	-	5.684	-	5.474	-
6.3	-	6.319	6.286	-	6.088	-	6.260	-	6.246	-
7.1	-	6.857	7.213	-	7.048	-	7.247	-	6.900	-
8.0	-	7.778	7.889	7.792	7.799	7.676	8.018	7.848	7.644	7.941
9.0	-	8.485	8.652	8.940	8.660	8.887	8.904	9.085	8.974	8.772
10	-	9.722	10.002	9.778	9.660	9.833	9.932	10.053	10.046	9.718
11.2	-	10.694	11.075	10.724	10.648	10.920	11.138	11.163	10.889	11.410
12.5	-	12.444	12.326	12.397	11.807	12.180	12.574	12.452	12.174	12.773
14	-	13.865	13.806	13.726	13.939	13.426	14.152	13.964	13.704	13.844
16	-	15.556	15.581	15.278	15.717	14.887	15.962	15.765	15.556	15.478
18	-	17.602	17.493	17.111	17.598	17.576	18.204	17.743	17.111	17.423
20	-	19.444	19.534	19.311	19.742	19.817	19.312	20.012	19.074	19.778
22.4	-	22.037	22.006	21.681	20.982	22.189	21.895	22.824	21.491	21.756
25	-	-	25.011	24.212	25.540	24.892	25.439	24.212	24.706	24.251
28	-	-	28.490	27.275	27.711	26.456	29.187	27.451	28.602	27.325
31.5	-	-	31.161	30.999	31.433	32.202	31.924	31.894	31.648	31.412
35.5	-	-	34.177	35.312	34.291	34.940	35.013	36.593	35.144	36.366
40	-	-	39.508	38.622	39.292	39.633	40.474	40.024	39.200	40.238
45	-	-	43.745	42.360	43.221	43.236	44.816	43.897	43.210	44.683
50	-	-	48.689	48.967	50.293	49.542	49.881	50.744	47.911	49.840
56	-	-	54.532	54.220	56.033	54.496	55.866	56.187	56.566	54.938
63	-	-	61.543	60.347	62.867	63.413	63.049	62.537	63.778	60.916
71	-	-	69.742	67.589	71.139	70.651	70.787	70.041	71.414	71.919
80	-	-	78.723	76.279	78.583	79.267	79.049	79.046	80.111	81.089
90	-	-	86.806	86.440	89.061	89.696	89.050	88.748	85.146	90.798
100	-	-	-	97.572	101.554	99.083	101.210	99.106	103.639	101.856
112	-	-	-	107.590	115.256	112.294	115.290	111.645	112.450	108.257
125	-	-	-	-	125.733	128.046	126.098	126.890	127.556	131.769
140	-	-	-	-	143.985	145.322	138.301	144.542	139.152	142.973
160	-	-	-	-	158.251	158.533	159.874	158.093	159.444	162.178
180	-	-	-	-	174.630	181.546	177.022	173.392	175.389	176.921
200	-	-	-	-	193.629	199.533	197.028	200.439	204.089	202.722
224	-	-	-	-	228.606	220.185	220.671	221.938	227.382	222.994
250	-	-	-	-	257.753	244.141	249.043	247.020	255.111	259.484
280	-	-	-	-	288.615	288.242	282.219	276.663	288.678	289.100
315	-	-	-	-	305.352	324.993	318.563	312.234	318.889	324.356
355	-	-	-	-	344.112	363.906	351.273	353.827	361.407	367.034
400	-	-	-	-	-	385.010	-	399.393	-	405.444
450	-	-	-	-	-	433.881	-	440.402	-	459.504

齒輪箱

實際傳動比

類型 H1SH, H2.., H3.., H4..,

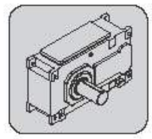
型號 13-22

Gear Units

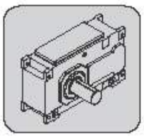
Actual Ratios

Type H1SH, H2.., H3.., H4..,

Sizes 13-22



實際傳動比 i / Actual ratios i)										
齒輪箱型號 / Gear unit sizes										i_N
13	14	15	16	17	18	19	20	21	22	
-	-	-	-	-	-	-	-	-	-	1.25
-	-	-	-	-	-	-	-	-	-	1.4
1.588	-	-	-	-	-	-	-	-	-	1.6
1.839	-	-	-	-	-	-	-	-	-	1.8
2.034	-	2.000	-	2.000	-	1.967	-	-	-	2.0
2.259	-	2.231	-	2.250	-	2.296	-	-	-	2.24
2.520	-	2.481	-	2.481	-	2.560	-	-	-	2.5
2.826	-	2.760	-	2.760	-	2.870	-	-	-	2.8
3.208	-	3.087	-	3.087	-	3.238	-	-	-	3.15
3.591	-	3.476	-	3.476	-	3.450	-	-	-	3.55
4.050	-	3.947	-	3.947	-	3.944	-	-	-	4.0
4.619	-	4.579	-	4.526	-	4.400	-	-	-	4.5
4.900	-	5.100	-	4.900	-	4.950	-	-	-	5.0
5.556	-	5.778	-	5.556	-	5.700	-	-	-	5.6
6.410	-	6.449	-	6.154	-	6.410	-	6.500	-	6.3
7.100	-	7.120	7.316	7.125	7.147	7.100	7.312	7.200	7.265	7.1
7.889	7.944	7.882	8.076	7.884	8.274	7.889	8.100	8.000	8.047	8.0
8.799	8.800	8.758	8.941	8.755	9.155	8.799	9.000	8.923	8.941	9.0
9.861	9.778	9.774	9.935	9.765	10.167	9.788	10.038	9.926	9.973	10
10.811	10.906	10.967	11.087	10.951	11.340	10.887	11.167	11.040	11.094	11.2
12.655	12.222	12.139	12.440	12.432	12.717	12.176	12.420	12.348	12.339	12.5
14.164	13.399	13.708	13.769	13.915	14.438	13.712	13.891	13.905	13.801	14
15.975	15.685	15.389	15.550	15.694	16.159	15.570	15.643	15.789	15.541	16
17.280	17.556	17.424	17.457	17.899	18.225	18.061	17.763	18.316	17.647	18
19.515	19.800	20.297	19.765	18.988	20.786	20.117	20.605	20.400	20.471	20
22.020	21.418	21.374	23.024	20.930	22.050	21.782	22.950	22.368	22.800	22.4
25.372	24.187	24.716	24.245	24.202	24.306	25.283	24.850	25.837	25.000	25
29.373	27.292	27.304	28.036	26.736	28.106	28.006	28.844	28.523	28.877	28
32.501	31.447	30.248	30.971	29.619	31.048	31.117	31.950	31.579	31.879	31.5
36.092	36.406	35.514	34.311	34.776	34.397	34.708	35.500	35.088	35.294	35.5
40.257	40.283	39.756	40.284	38.929	40.385	38.897	39.596	39.158	39.216	40
45.147	44.733	43.090	45.096	42.194	45.208	42.642	44.375	43.936	43.765	45
50.968	49.896	48.175	48.878	47.174	49.000	49.917	48.648	48.632	49.105	50
57.365	55.957	54.229	54.647	53.102	54.783	55.870	56.948	54.920	54.353	56
64.699	63.171	61.557	61.514	60.278	61.667	63.013	63.739	61.654	61.381	63
73.789	71.100	67.713	69.826	66.306	70.000	68.162	71.888	69.806	68.908	71
78.278	80.190	75.481	76.809	73.912	77.000	76.974	77.762	81.316	78.019	80
88.750	91.457	85.046	85.620	83.279	85.833	88.439	87.816	86.427	90.882	90
103.114	97.020	97.768	96.471	95.735	96.711	100.079	100.895	99.020	96.594	100
118.306	110.000	113.186	110.901	110.833	111.176	115.862	114.174	109.386	110.670	112
129.398	127.803	125.238	128.390	122.634	128.710	128.198	132.180	121.182	122.255	125
141.920	146.633	139.074	142.060	136.183	142.414	142.362	146.254	142.279	135.439	140
164.058	160.380	155.125	157.756	151.900	158.148	158.792	162.413	159.273	159.017	160
181.654	175.901	170.993	175.962	167.438	176.400	178.079	181.156	172.632	178.011	180
202.184	203.339	189.597	193.962	185.656	194.444	201.040	203.160	193.004	192.941	200
226.446	225.149	223.845	215.065	219.192	215.600	226.272	229.355	217.257	215.711	224
255.560	250.594	252.385	253.914	247.139	254.545	255.201	258.141	246.617	242.817	250
286.925	280.665	282.605	286.288	276.730	287.000	291.058	291.144	271.278	275.630	280
320.413	316.751	317.021	320.566	310.431	321.364	308.761	332.052	302.399	303.193	315
360.951	355.625	336.946	359.606	329.942	360.500	350.069	352.249	340.720	337.975	355
-	397.131	-	382.207	-	383.158	-	399.375	-	380.805	400
-	447.376	-	-	-	-	-	-	-	-	450



齒輪箱
實際傳動比
類型 B2.., B3.., B4..
型號 4-12

Gear Units
Actual Ratios
Type B2.., B3.., B4..
Sizes 4-12

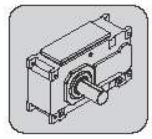
實際傳動比 i / Actual ratios i									
i_N	齒輪箱型號 / Gear unit sizes								
	4	5	6	7	8	9	10	11	12
5.0	4.936	5.006	-	4.865	-	5.002	-	4.897	-
5.6	5.480	5.488	-	5.333	-	5.483	-	5.534	-
6.3	6.296	6.386	6.205	6.206	6.135	6.381	6.271	6.296	6.226
7.1	6.959	7.058	6.802	6.860	6.725	7.053	6.875	7.037	7.036
8.0	7.549	7.657	7.915	7.880	7.825	8.101	8.000	7.994	8.005
9.0	8.693	8.817	8.749	8.569	8.649	8.810	8.842	8.693	8.947
10	9.872	10.108	9.490	9.823	9.935	10.099	10.157	9.965	10.164
11.2	10.769	10.923	10.928	10.615	10.804	10.914	11.045	10.769	11.052
12.5	12.034	12.703	12.528	12.433	12.385	12.554	12.662	12.334	12.670
14	13.484	13.964	13.538	13.515	13.385	14.137	13.683	13.821	13.692
16	15.601	15.835	15.826	16.275	15.773	15.952	15.693	15.522	15.888
18	17.482	17.407	17.307	17.692	17.041	17.963	17.724	17.393	17.572
20	19.614	19.645	19.729	19.948	20.648	20.259	19.940	19.744	19.995
22.4	21.919	21.954	21.575	22.146	22.308	22.208	22.520	21.643	22.114
25	25.380	25.421	24.349	25.446	25.152	25.843	25.400	25.185	25.103
28	27.836	27.881	27.211	28.125	27.923	28.563	27.842	27.836	27.517
31.5	30.196	30.245	31.508	30.509	32.084	30.985	32.400	31.975	32.021
35.5	34.771	34.827	34.557	35.131	35.461	35.679	35.811	34.771	35.392
40	39.487	39.551	37.486	39.896	38.468	40.902	38.846	39.861	40.654
45	43.077	43.146	43.166	43.523	44.296	44.202	44.732	43.077	44.209
50	49.060	49.139	49.021	49.568	50.304	50.341	51.280	49.060	50.681
56	55.152	55.240	53.477	55.723	54.877	56.592	55.417	55.152	54.769
63	60.808	60.906	60.904	61.438	62.499	62.396	63.114	60.808	62.376
71	69.293	69.404	68.467	70.011	70.259	71.102	70.951	69.293	70.121
80	-	77.598	75.489	79.267	77.465	79.497	78.228	80.949	77.313
90	-	86.720	86.022	88.585	88.274	88.842	89.143	89.869	88.101
100	-	100.413	96.178	102.572	99.945	102.869	99.667	103.259	102.921
112	-	110.130	107.484	112.498	111.694	112.824	111.384	114.129	114.262
125	-	119.466	124.455	122.035	129.330	122.389	128.971	123.804	131.287
140	-	137.567	136.499	140.525	141.846	140.933	141.452	142.562	145.106
160	-	156.225	148.071	159.585	153.871	160.047	153.443	161.897	157.408
180	-	170.427	170.506	174.092	177.184	174.597	176.692	176.615	181.258
200	-	194.098	193.631	198.272	201.215	198.847	200.656	201.145	205.841
224	-	218.199	211.234	222.891	219.508	223.537	218.898	226.121	224.554
250	-	240.578	240.572	245.752	249.995	246.464	249.300	249.313	255.742
280	-	274.147	270.443	280.042	281.036	280.855	280.256	284.101	287.497
315	-	302.121	298.181	308.618	309.861	309.513	309.000	313.091	316.984
355	-	-	339.788	-	353.097	-	352.116	-	361.214
400	-	-	374.460	-	389.127	-	388.046	-	398.073

齒輪箱

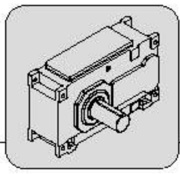
實際傳動比
類型 B2.., B3.., B4..
型號 13-22

Gear Units

Actual Ratios
Type B2.., B3.., B4..
Sizes 13-22



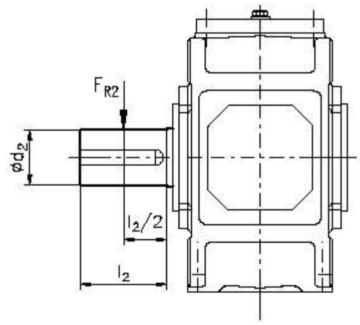
實際傳動比 i / Actual ratios i										
齒輪箱型號 / Gear unit sizes										i_N
13	14	15	16	17	18	19	20	21	22	
4.967	-	4.963	-	-	-	-	-	-	-	5.0
5.613	-	5.609	5.630	5.514	-	-	-	-	-	5.6
6.386	6.156	6.340	6.362	6.234	-	-	-	-	-	6.3
7.138	6.957	7.132	7.192	7.012	7.239	-	-	-	-	7.1
8.108	7.915	8.101	8.090	7.965	8.143	-	-	-	-	8.0
8.817	8.847	8.810	9.190	8.662	9.250	-	-	-	-	9.0
10.108	10.049	10.099	9.993	9.930	10.059	-	-	-	-	10
10.923	10.928	10.914	11.456	10.731	11.531	-	-	-	-	11.2
12.482	12.528	12.172	12.380	12.770	12.462	12.062	-	12.256	-	12.5
13.721	13.538	13.810	13.832	13.790	14.654	13.709	13.698	13.902	13.719	14
16.354	15.552	15.215	15.665	16.226	16.014	15.192	15.640	15.436	15.538	16
17.978	17.007	17.262	17.290	17.522	18.620	17.267	17.252	17.510	17.279	18
20.276	20.376	19.379	19.581	19.762	20.348	19.607	19.698	19.883	19.570	20
22.226	22.282	21.900	21.982	22.333	22.950	22.158	22.368	22.470	22.222	22.4
25.864	25.131	24.916	24.842	25.409	25.936	25.048	25.278	25.400	25.113	25
28.587	27.548	27.847	28.263	28.398	29.507	28.175	28.576	28.571	28.389	28
32.838	32.057	31.634	31.588	32.259	32.979	32.005	32.143	32.456	31.933	31.5
35.709	35.432	34.400	35.883	35.080	37.463	34.804	36.513	35.294	36.275	35.5
40.936	40.700	39.435	39.021	40.215	40.738	39.899	39.706	40.461	39.446	40
44.238	44.259	42.617	44.732	43.460	46.702	43.117	45.518	43.725	45.221	45
50.383	50.737	48.536	48.341	49.496	50.469	49.106	49.190	49.798	48.869	50
56.639	54.831	54.562	55.055	55.641	57.479	55.203	56.022	55.981	55.656	56
62.448	62.446	60.158	61.892	61.348	64.616	60.865	62.978	61.722	62.567	63
71.161	70.200	68.553	68.239	69.909	71.243	69.358	69.438	70.335	68.984	71
82.118	77.400	78.131	77.761	76.506	81.184	79.977	79.127	77.639	78.610	80
90.016	88.200	85.645	88.626	83.865	88.846	87.670	91.242	87.739	86.772	90
104.750	101.780	99.664	97.150	97.593	97.391	102.020	100.017	99.821	98.061	100
115.777	111.569	110.155	113.052	107.865	113.333	112.759	116.389	111.565	111.565	112
125.592	129.831	126.535	124.952	123.904	125.263	129.526	128.641	126.733	124.690	125
144.621	143.498	137.599	143.532	134.739	143.889	140.851	147.769	137.815	141.643	140
165.791	155.663	157.741	156.082	154.462	156.471	161.470	160.690	157.989	154.029	160
179.166	179.248	170.467	178.930	166.923	179.375	174.496	184.212	170.735	176.576	180
204.050	205.487	194.143	193.365	190.107	193.846	198.732	199.073	194.448	190.821	200
229.386	222.065	218.249	220.222	213.712	220.769	223.408	226.722	218.592	217.324	224
252.913	252.907	240.634	247.566	235.631	248.182	246.322	254.874	241.012	244.309	250
288.204	284.310	274.210	272.957	268.510	273.636	280.692	281.015	274.641	269.366	280
317.612	313.470	302.191	311.045	295.909	311.818	309.334	320.226	302.666	306.952	315
-	357.210	-	342.784	-	343.636	-	352.902	-	338.273	355
-	393.660	-	-	-	-	-	-	-	-	400

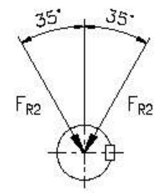


齒輪箱
在輸出軸d_2上許可的附加徑向力[1)]
實心軸(S)

Gear Units
Permissible Additional Radial Force on Output Shaft d_2[1)]
Solid Shaft (S)

作用力在軸伸出端中間位置
Application of force on the center of shaft end





許可的作用力方向
Permission direction of force

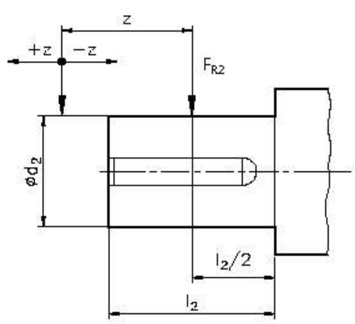
表 1 / Table 1

許可附加徑向力 F_{R2} (kN) / Permissible additional radial forces F_{R2} (kN)

類型 Type	布置形式 Design	齒輪箱型號 / Gear unit sizes 3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H1SH	A/B	2)	–	2)	–	2)	–	2)	–	2)	–	2)	–	2)	–	2)	–
H2S.	A/B/G/H	–	10	22	22	30	30	30	45	64	64	150	150	140	205	205	205
	C/D	–	10	13	13	18	18	10	28	35	35	112	112	85	135	135	135
B2S.	A/C	–	13	27	27	37	37	38	55	78	78	160	160	150	210	210	210
	B/D	–	12	15	15	17	17	10	30	35	38	110	110	75	145	100	100
H3S.	A/B/G/H	–	–	29	29	40	40	40	60	85	85	190	190	185	265	265	265
H4S.	C/D	–	–	–	–												
B3S.	A/C	–	14	29	29												
B4S.	A/C	–	–														
H3S.	C/D	–	–	18	18	26	26	18	40	50	50	150	150	120	185	185	190
H4S.	A/B	–	–	–	–												
B3S.	B/D	–	9	18	18												
B4S.	B/D	–	–														

作用力不在軸伸出端中間位置
Application of force outside the center of shaft end

$F_{RZ2}=F_{R2} \times k$



F_{RZ2} 許可的外部徑向力
Permissible external radial force

F_{R2} 許可的附加徑向力，依表1
Permissible external radial force acc. table 1

k 作用力係數，依表2
Factor of application of force acc. table 2

表 2 / Table 2

作用力係數 k / Factor of application of force k

型號 Size	距離 z, mm / Distance z in mm −200	−150	−100	−75	−50	−25	0	25	50	75	100	150	200	250	300
3					1.21	1.09	1.00	0.85	0.74	0.65	0.58	0.48			
4					1.17	1.08	1.00	0.86	0.76	0.68	0.62	0.52	0.44		
5+ 6				1.22	1.14	1.06	1.00	0.88	0.79	0.72	0.66	0.56	0.49	0.43	
7+ 8				1.19	1.12	1.06	1.00	0.89	0.81	0.74	0.68	0.58	0.51	0.46	0.41
9+10			1.22	1.15	1.10	1.05	1.00	0.90	0.82	0.76	0.70	0.61	0.54	0.48	0.44
11+12			1.18	1.13	1.08	1.04	1.00	0.91	0.84	0.78	0.73	0.64	0.57	0.51	0.47
13+14		1.24	1.15	1.11	1.07	1.03	1.00	0.92	0.86	0.80	0.75	0.67	0.60	0.55	0.50
15+16		1.20	1.12	1.09	1.06	1.03	1.00	0.93	0.87	0.82	0.77	0.69	0.63	0.58	0.53
17+18	1.25	1.17	1.11	1.08	1.05	1.03	1.00	0.94	0.88	0.84	0.79	0.72	0.66	0.60	0.56

1) 表中數值為最小值，如果給定了力的作用角度及旋轉方向，通常可承受較大的附加力

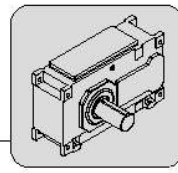
2) 請洽詢

1) Values in tables are minimum values. If the angle of application of force and the direction of rotation is given, significantly higher additional forces can mostly be allowed.

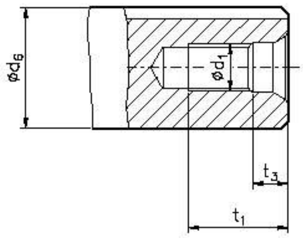
2) on request.

齒輪箱
軸伸出端中心孔
公差等級

Gear Units
Center Holes in shaft Ends
Tolerance Classes



軸伸出端中心孔
Center Holes in Shaft Ends

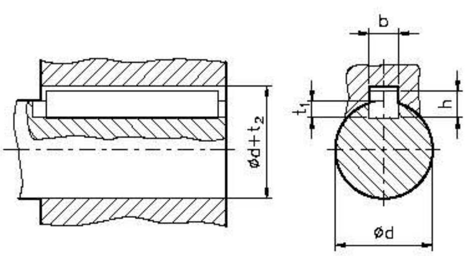


標稱尺寸 d_6 / Nominal dimension d_6		尺寸 / dimensions		
大於 / above	至 / to	d_1	t_1	t_3
mm		mm		
16	21	M 6	16	5
21	24	M 8	19.0	6
24	30	M 10	22.0	7.5
30	38	M 12	28.0	9.5
38	50	M 16	36.0	12
50	85	M 20	42.0	15
85	130	M 24	50.0	18
130	225	M 30	60.0	22
225	320	M 36	74.0	22
320	500	M 42	84.0	26

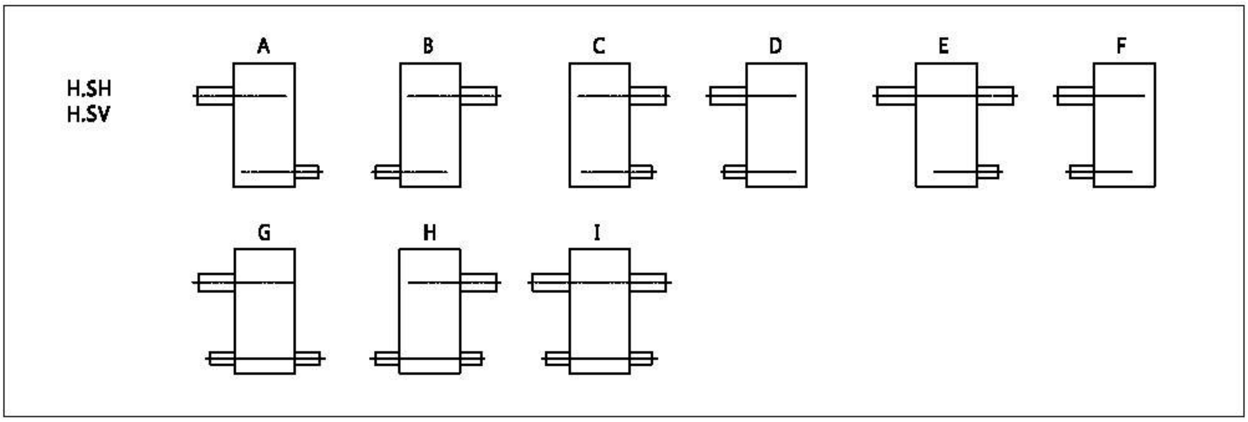
公差等級
Tolerance Classes

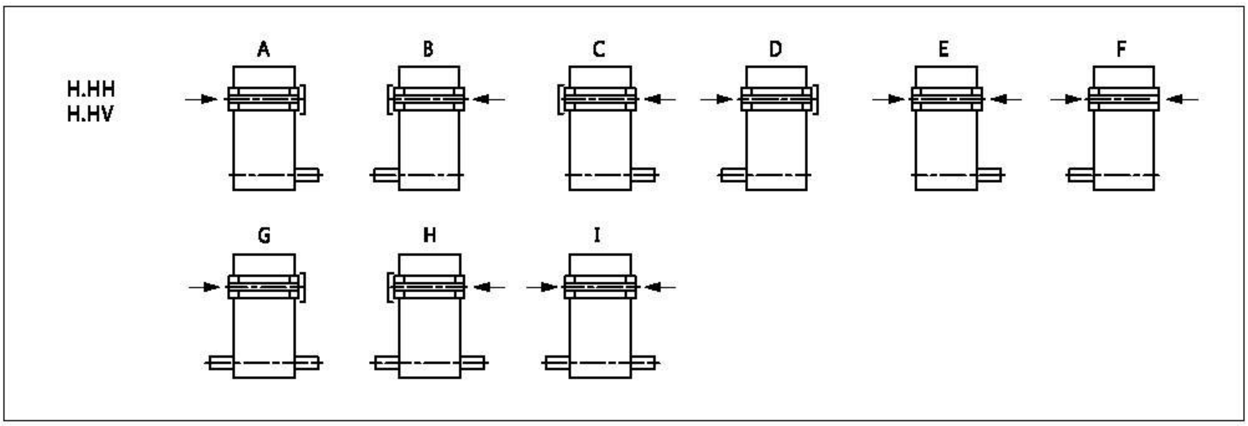
標稱直徑 / Nominal diameter		公差等級 / Tolerance classes	
大於 / above	至 / to	軸 / Shaft	孔 / Bores
mm		mm	
	< 28	k6	H7
≥ 28	≤ 100	m6	
> 100		n6	

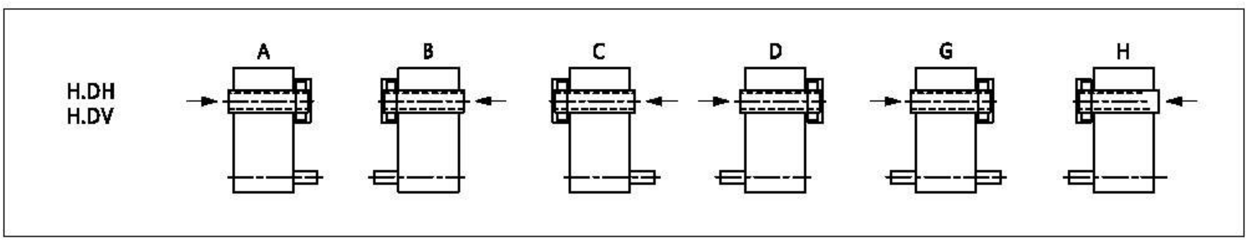
平鍵與平鍵槽
Parallel key and parallel keyways

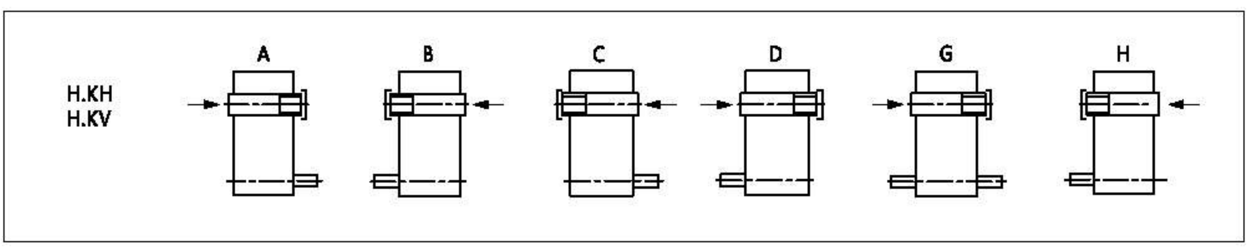


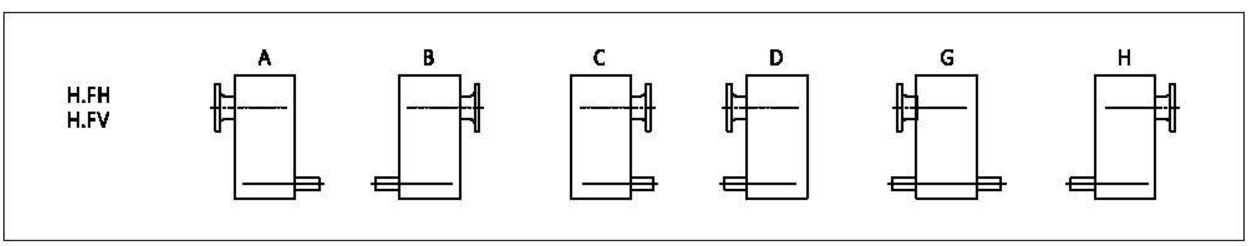
標稱直徑 Nominal Diameter d		寬度 Width	高度 Height	軸鍵槽深度 Depth od key-way in shaft	軸轂鍵槽深度 Depth of key-way in hub
大於 above	至 to	b	h	t_1	d+t_2
mm	mm	mm	mm	mm	mm
17	22	6	6	3.5	d + 2.8
22	30	8	7	4	d + 3.3
30	38	10	8	5	d + 3.3
38	44	12	8	5	d + 3.3
44	50	14	9	5.5	d + 3.8
50	58	16	10	6	d + 4.3
58	65	18	11	7	d + 4.4
65	75	20	12	7.5	d+ 4.9
75	85	22	14	9	d+ 5.4
85	95	25	14	9	d+ 5.4
95	110	28	16	10	d+ 6.4
110	130	32	18	11	d+ 7.4
130	150	36	20	12	d+ 8.4
150	170	40	22	13	d+ 9.4
170	200	45	25	15	d+ 10.4
200	230	50	28	17	d+ 11.4
230	260	56	32	20	d+ 12.4
260	290	63	32	20	d+ 12.4
290	330	70	36	22	d+ 14.4
330	380	80	40	25	d+ 15.4
380	440	90	45	28	d+ 17.4



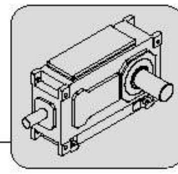




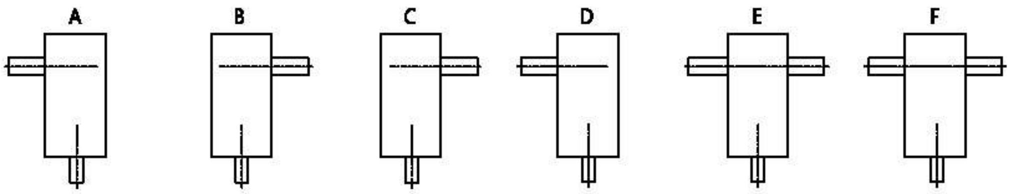




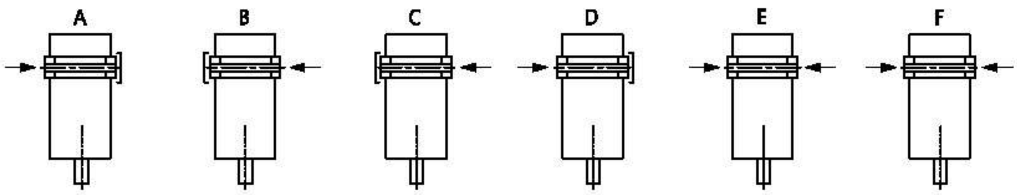
箭頭表示工作機驅動軸插入方向
The arrow indicates the direction of insertion of the driven machine shaft.



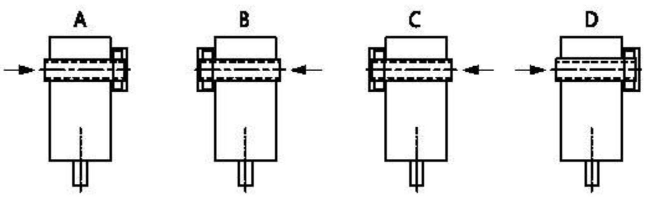
B.SH
B.SV



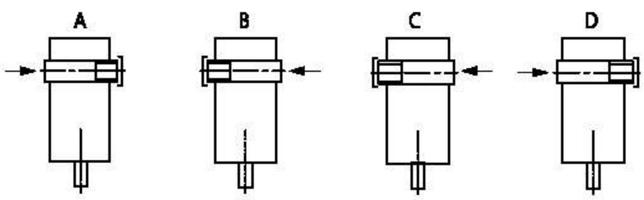
B.HH
B.HV



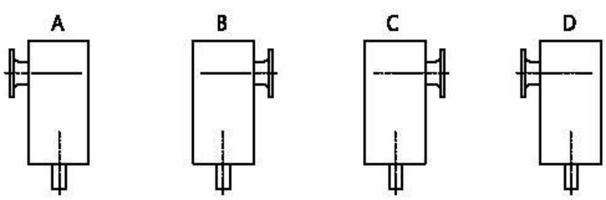
B.DH
B.DV



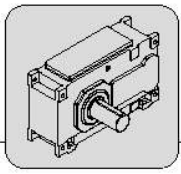
B.KH
B.KV



B.FH
B.FV



→ 箭頭表示工作機驅動軸插入方向
The arrow indicates the direction of insertion of the driven machine shaft.

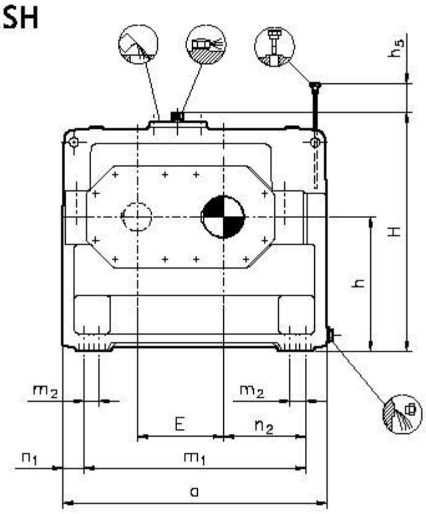


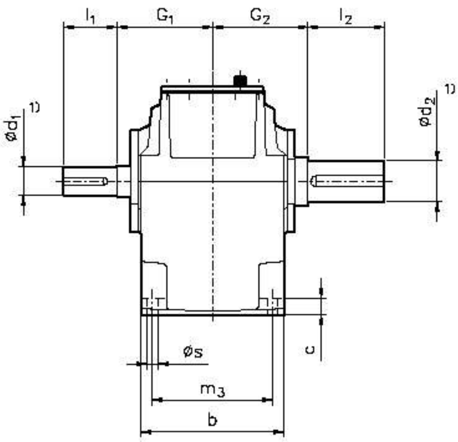
平行軸齒輪箱 / Helical Gear Units

單級傳動 臥式安裝 / Single Stage Horizontal

類型H1SH 型號3-19 / Type H1SH Sizes 3-19

H1SH

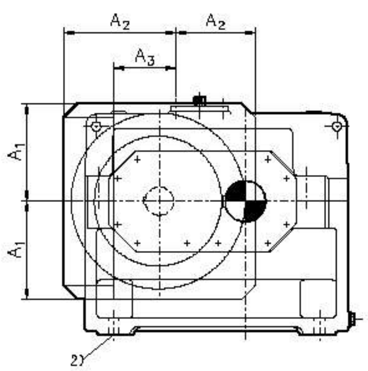


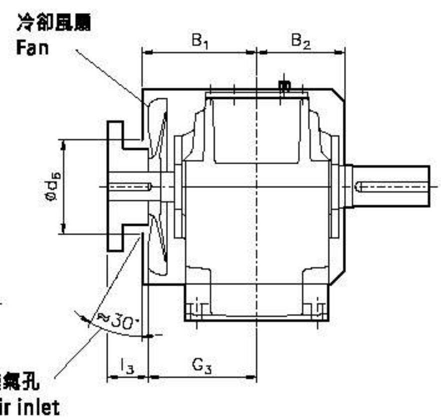


H1SH

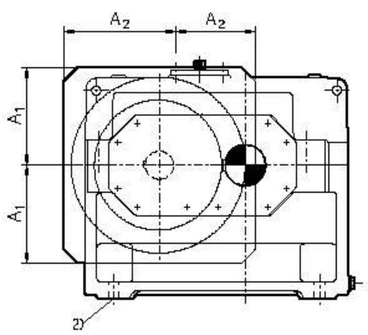
帶冷卻風扇 / with fan

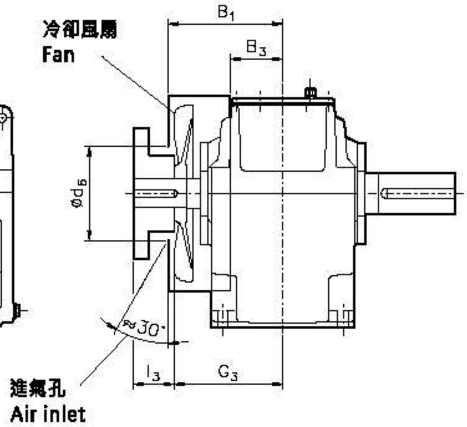
型號/Size 3-11



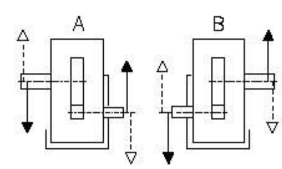


型號/Size 13-19

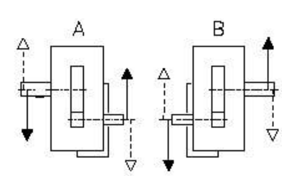




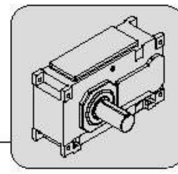
布置形式 Design



型號 Size 3-11



型號 Size 13-19



型號 Size	輸入軸 / Input																
	i_N = 1.25 – 2.8			i_N = 1.6 – 2.8			i_N = 2 – 2.8			i_N = 3.15 – 4			i_N = 4.5 – 5.6				
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3
3	60	125	105							45	100	80	32	80	60	170	190
5	85	160	130							60	135	105	50	110	80	210	240
7	100	200	165							75	140	105	60	140	105	250	285
9	110	200	165							90	165	130	75	140	105	280	315
11				130	240	205				110	205	170	90	170	135	325	360
13				150	245	200				130	245	200	100	210	165	365	410
15							180	290	240	150	250	200	125	250	200	360	410
17							200	330	280	170	290	240	140	250	200	400	450
19							220	340	290	190	340	290	160	300	250	440	490

型號 Size	齒輪箱 / Gear units												
	a	b	c	E	h	h_5	H	m_1	m_2	m_3	n_1	n_2	s
3	420	200	28	130	200	85	375	310	–	160	55	110	19
5	580	285	35	185	290	100	525	440	–	240	70	160	24
7	690	375	45	225	350	75	625	540	–	315	75	195	28
9	805	425	50	265	420	50	735	625	–	350	90	225	35
11	960	515	60	320	500	40	875	770	–	440	95	280	35
13	1100	580	70	370	580	40	1020	870	–	490	115	315	42
15	1295	545	80	442	600	10	1115	1025	–	450	135	370	48
17	1410	615	80	490	670	–	1235	1170	130	530	120	425	42
19	1590	690	90	555	760	–	1395	1290	150	590	150	465	48

型號 Size	輸出軸 / Output			冷卻風扇 / Fan							潤滑油量 (L)[3] Oil quantity	重量 (kg)[4] Weight
	d_2	l_2	G_2	A_1	A_2	A_3	B_1	B_2	B_3	d_6		
3	60	125	170	150	145	80	205	130	–	130	7	128
5	85	160	210	225	215	115	255	185	–	190	22	302
7	105	200	250	255	250	120	300	230	–	245	42	547
9	125	210	270	300	265	140	330	265	–	280	68	862
11	150	240	320	360	330	190	375	320	–	350	120	1515
13	180	310	360	415	350	–	430	–	150	350	175	2395
15	220	350	360	500	430	–	430	–	120	450	190	3200
17	240	400	400	550	430	–	470	–	150	445	270	4250
19	270	450	440	630	475	–	510	–	190	445	390	5800

尺寸單位為mm

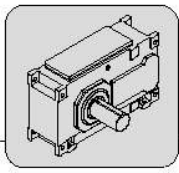
1) 軸
- $m_6 \leq ø100$; $n_6 > ø100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

Dimensions in mm

1) Shafts
- $m_6 \leq ø100$; $n_6 > ø100$
- For details, see page 57

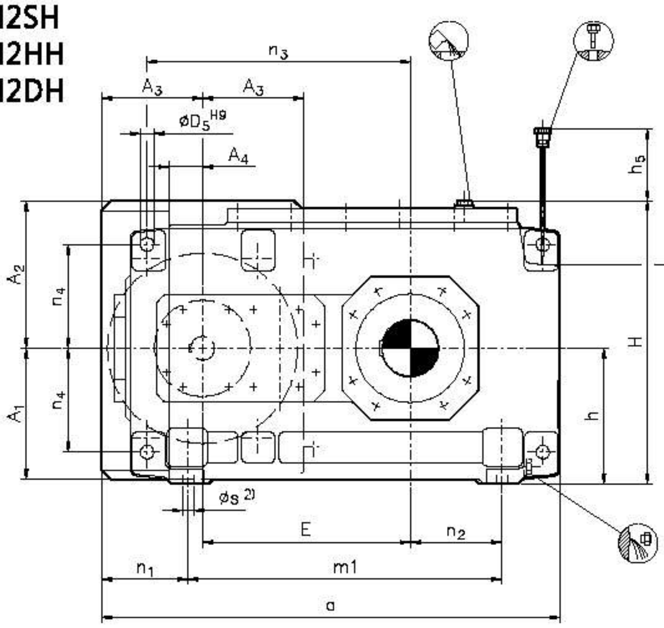
2) Remove air guide before fitting the foundation bolts.
3) Approximate value
4) Without oil filling

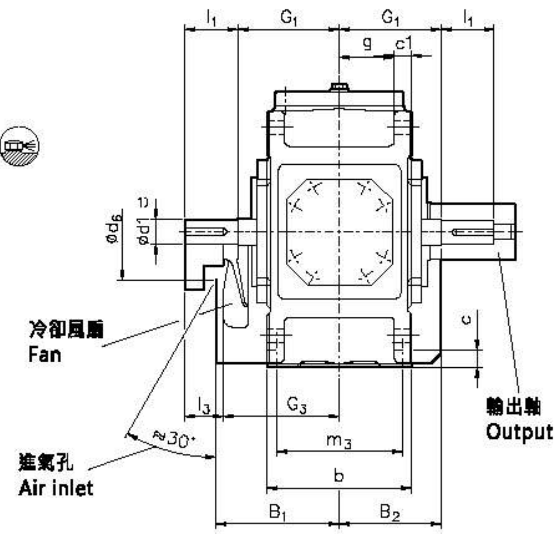


平行軸齒輪箱
兩級傳動　　臥式安裝
類型H2.H　　型號4-12

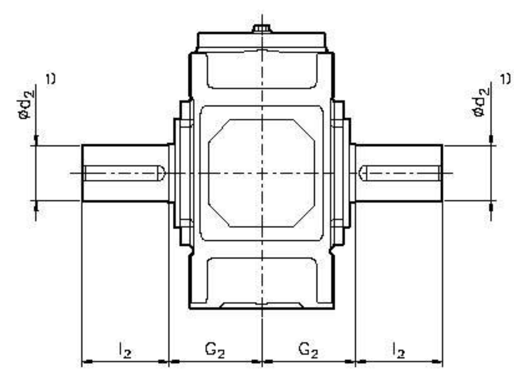
Helical Gear Units
Two Stage　　Horizontal
Type H2.H　　Sizes 4-12

H2SH
H2HH
H2DH

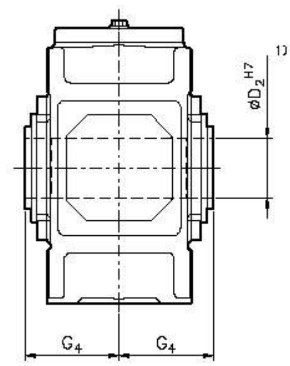




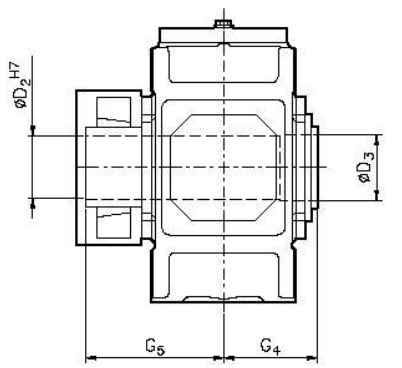
H2SH
實心軸 / Solid shaft

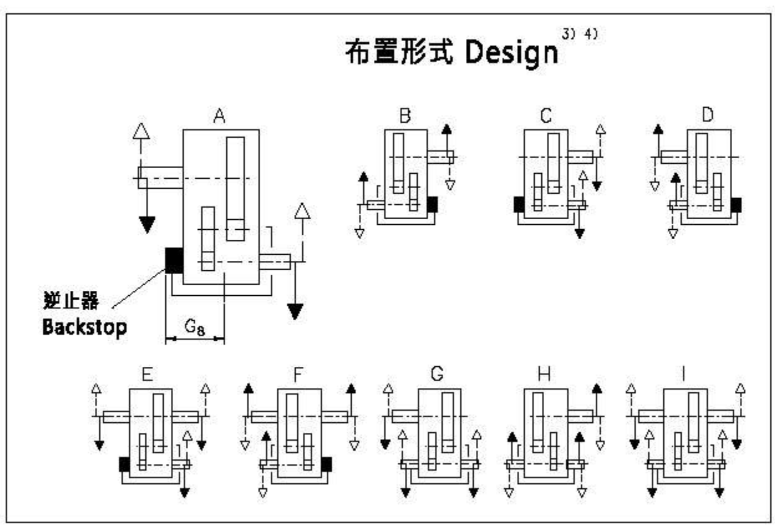


H2HH
空心軸 / Hollow shaft



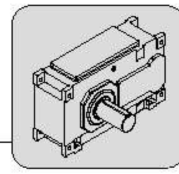
H2DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk





平行軸齒輪箱
兩級傳動 臥式安裝
類型H2.H 型號4-12

Helical Gear Units
Two Stage Horizontal
Type H2.H Sizes 4-12



型號 Size	輸入軸 / Input														逆止器 Backstop
	i_N = 6.3 – 11.2			i_N = 8 – 14			i_N = 12.5 – 22.4			i_N = 16 – 28					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
4	45	100	80				32	80	60				170	190	207
5	50	100	80				38	80	60				195	215	253
6				50	100	80				38	80	60	195	215	253
7	60	135	105				50	110	80				210	240	280
8				60	135	105				50	110	80	210	240	280
9	75	140	110				60	140	110				240	270	331
10				75	140	110				60	140	110	240	270	331
11	90	165	130										275	310	392
12				90	165	130	70	140	105	70	140	105	275	310	392

型號 Size	齒輪箱 / Gear units																
	a	b	c	c_1	D_5	E	g	H	h	h_5	m_1	m_3	n_1	n_2	n_3	n_4	s
4	565	215	28	30±1	24	270	77.5	415	200	110	355	180	105	85	345	150	19
5	640	255	28	30±1	24	315	97.5	482	230	150	430	220	105	100	405	180	19
6	720	255	28	30±1	24	350	97.5	482	230	150	510	220	105	145	440	180	19
7	785	300	35	36±1	28	385	114	572	280	190	545	260	120	130	500	215	24
8	890	300	35	36±1	28	430	114	582	280	190	650	260	120	190	545	215	24
9	925	370	40	45±1.5	36	450	140	662	320	205	635	320	145	155	585	245	28
10	1025	370	40	45±1.5	36	500	140	662	320	215	735	320	145	205	635	245	28
11	1105	430	50	54±1.5	40	545	161	782	380	250	775	370	165	180	710	300	35
12	1260	430	50	54±1.5	40	615	161	790	380	250	930	370	165	265	780	300	35

型號 Size	輸出軸 / Output								冷卻風扇 / Fan							潤滑油量 (L)[5] Oil quantity	重量 (kg)[6] Weight
	H2SH			H2HH		H2DH											
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	A_3	A_4	B_1	B_2	d_6		
4	80	170	140	80	140	85	85	140	205	195	225	150	30	205	158	136	10	190
5	100	210	165	95	165	100	100	165	240	225	260	175	55	230	178	150	15	300
6	110	210	165	105	165	110	110	165	240	225	260	175	55	230	178	150	16	355
7	120	210	195	115	195	120	120	195	280	272	305	210	70	255	210	200	27	505
8	130	250	195	125	195	130	130	195	285	272	305	210	70	255	210	200	30	590
9	140	250	235	135	235	140	145	235	330	312	355	240	100	285	245	200	42	830
10	160	300	235	150	235	150	155	235	350	312	355	240	100	285	245	200	45	960
11	170	300	270	165	270	165	170	270	400	372	420	285	135	325	285	210	71	1335
12	180	300	270	180	270	180	185	270	405	372	420	285	135	325	285	210	76	1615

尺寸單位為mm

1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

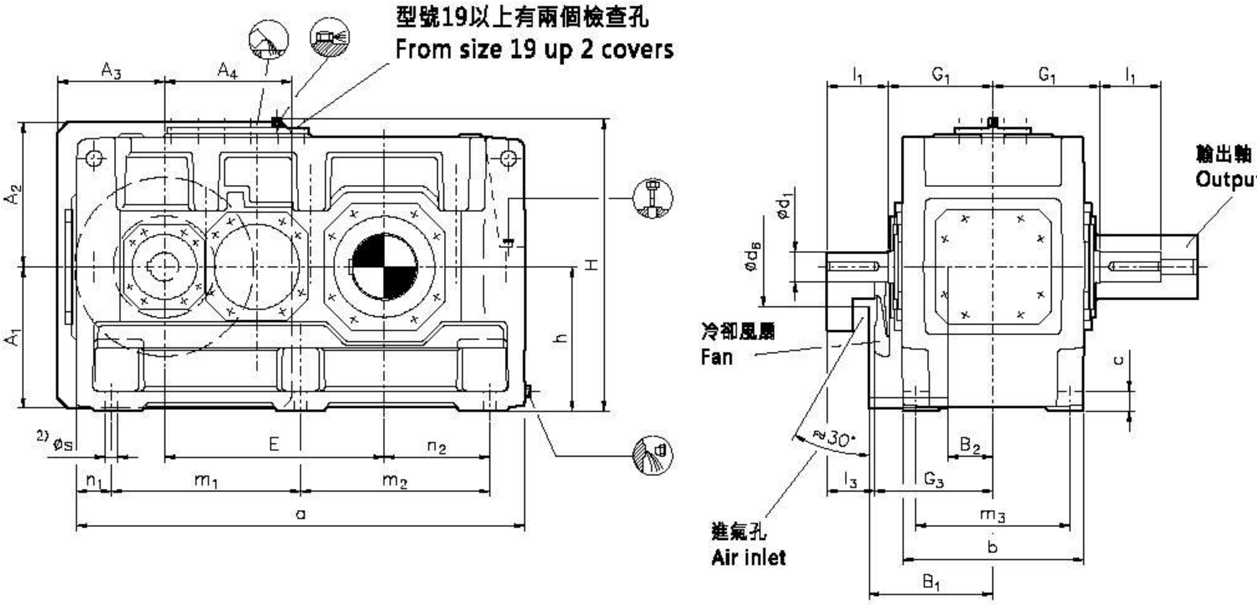
2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號4, 5, 11 : 速比6.3 - 18
   型號7, 9 : 速比6.3 - 16
   型號6, 12 : 速比8 - 22.4
   型號8, 10 : 速比8 - 20
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

Dimensions in mm

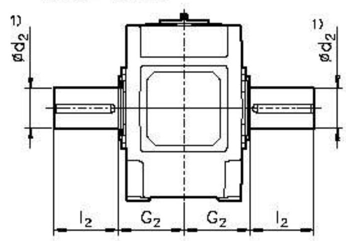
1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Remove air guide before fitting the foundation bolts.
3) Design G, H, I only for
   Size 4, 5, 11 : ratio 6.3 - 18
   Size 7, 9 : ratio 6.3 - 16
   Size 6, 12 : ratio 8 - 22.4
   Size 8, 10 : ratio 8 - 20
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling

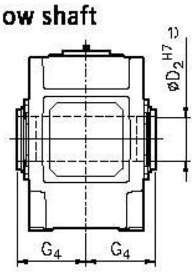
H2SH
H2HH
H2DH



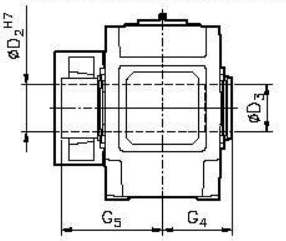
H2SH
實心軸
Solid shaft



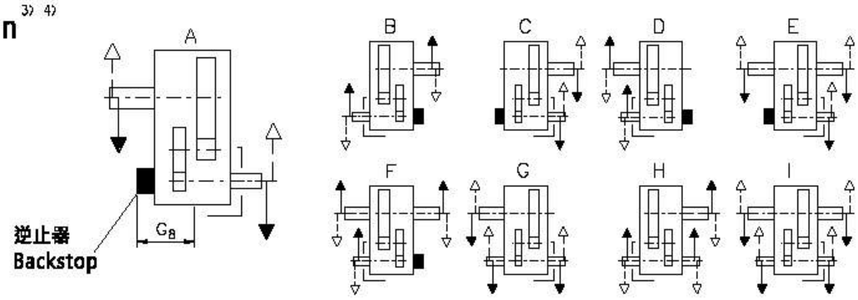
H2HH
空心軸
Hollow shaft

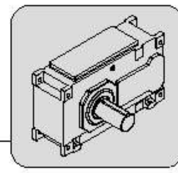


H2DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design[3) 4)]





型號 Size	輸入軸 / Input																				逆止器 Backstop
	i_N = 6.3 − 11.2			i_N = 7.1 − 12.5			i_N = 8 − 14			i_N = 12.5 − 20			i_N = 14 − 22.4			i_N = 16 − 25					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
13	100	205	170							85	170	135							330	365	448
14							100	205	170							85	170	135	330	365	448
15	120	210	165							100	210	165							365	410	527
16				120	210	165							100	210	165				365	410	527
17	125	245	200							110	210	165							420	465	576
18				125	245	200							110	210	165				420	465	576
19	150	245	200							120	210	165							475	520	670
20				150	245	200							120	210	165				475	520	670
21	170	290	240							140	250	200							495	545	690
22				170	290	240							140	250	200				495	545	690

型號 Size	齒輪箱 / Gear units																			
	a	b	c	c_1	D_5	E	e_2	g	H	h	h_1	h_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	1290	550	60	61±2	48	635	405	211.5	900	440	450	460	545	545	475	100	305	835	340	35
14	1430	550	60	61±2	48	705	475	211.5	900	440	450	460	545	685	475	100	375	905	340	35
15	1550	625	70	72±2	55	762	485	238	1000	500	490	500	655	655	535	120	365	1005	375	42
16	1640	625	70	72±2	55	808	530	238	1000	500	490	500	655	745	535	120	410	1050	375	42
17	1740	690	80	81±2	55	860	525	259	1110	550	555	560	735	735	600	135	390	1145	425	42
18	1860	690	80	81±2	55	920	585	259	1110	550	555	560	735	855	600	135	450	1205	425	42
19	2010	790	90	91±2	65	997	590	299	1240	620	615	620	850	850	690	155	435	1345	475	48
20	2130	790	90	91±2	65	1057	650	299	1240	620	615	620	850	970	690	155	495	1405	475	48
21	2140	830	100	100±2	75	1067	655	310	1390	700	685	690	900	900	720	170	485	1400	520	56
22	2250	830	100	100±2	75	1122	710	310	1390	700	685	690	900	1010	720	170	540	1455	520	56

型號 Size	輸出軸 / Output									冷卻風扇 / Fan							潤滑油量 (L) [5] Oil quantity	重量 (kg) [6] Weight
	H2SH			H2HH		H2DH												
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	A_3	A_4	B_1	B_2	d_6		
13	200	350	335	190	335	190	195	335	480	430	460	330	365	385	135	250	135	2000
14	210	350	335	210	335	210	215	335	480	430	460	330	365	385	135	250	140	2570
15	230	410	380	230	380	230	235	380	550	490	500	370	440	430	155	280	210	3430
16	240	410	380	240	380	240	245	380	550	490	500	370	440	430	155	280	215	3655
17	250	410	415	250	415	250	260	415	600	540	565	435	505	485	140	280	290	4650
18	270	470	415	275	415	280	285	415	600	540	565	435	505	485	140	280	300	5125
19	290	470	465	–	–	285	295	465	670	600	600	500	450	540	190	310	320	6600
20	300	500	465	–	–	310	315	465	670	600	600	500	450	540	190	310	340	7500
21	320	500	490	–	–	330	335	490	715	680	680	500	610	565	200	450	320	8900
22	340	550	490	–	–	340	345	490	725	680	680	500	610	565	200	450	340	9600

尺寸單位為mm

1) 軸
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- 相關細節參考第57頁

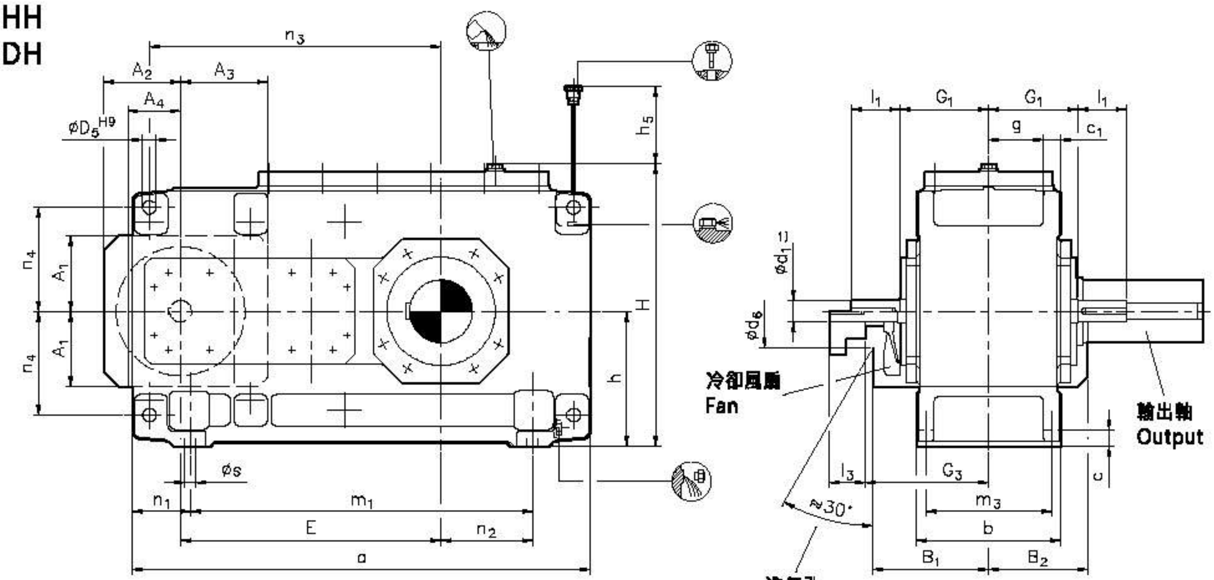
2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號13, 15, 17 : 速比6.3 - 16
   型號14 : 速比8 - 20
   型號16, 18 : 速比7.1 - 18
   型號19, 20, 21, 22 : 請洽詢
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

Dimensions in mm

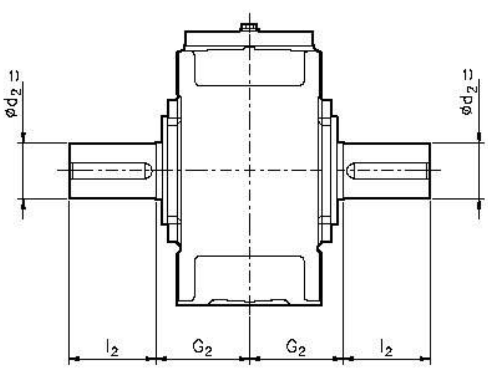
1) Shafts
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- For details, see page 57

2) Remove air guide before fitting the foundation bolts.
3) Design G, H, I only for
   Size 13, 15, 17 : ratio 6.3 - 16
   Size 14 : ratio 8 - 20
   Size 16, 18 : ratio 7.1 - 18
   Size 19, 20, 21, 22 : on request
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling

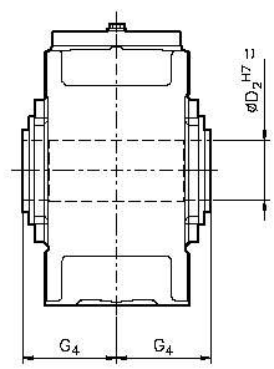
H3SH
H3HH
H3DH



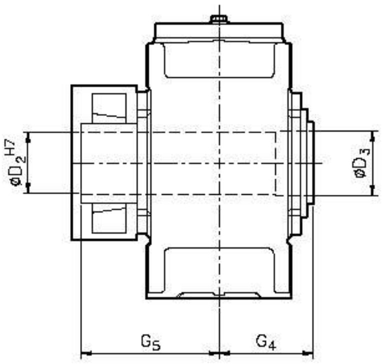
H3SH
實心軸 / Solid shaft

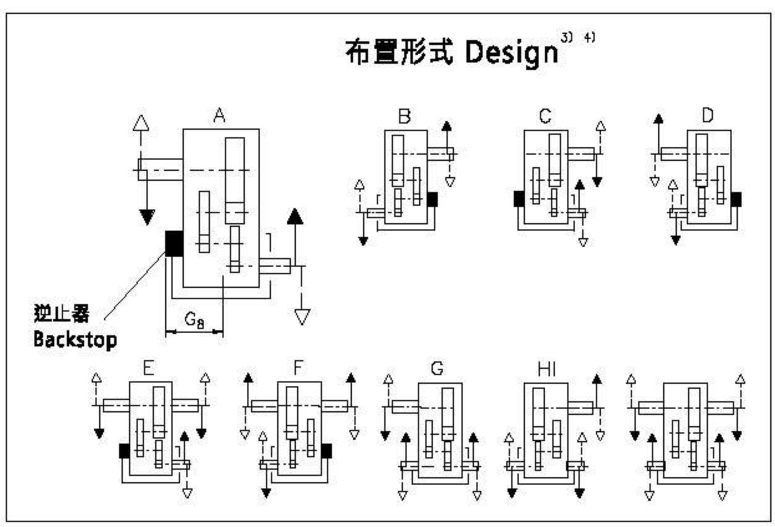


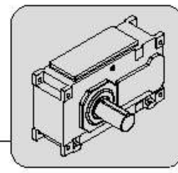
H3HH
空心軸 / Hollow shaft



H3DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk







型號 Size	輸入軸 / Input																				逆止器 Backstop
	i_N = 35 − 45			i_N = 31.5 − 56			i_N = 50 − 63			i_N = 63 − 80			i_N = 71 − 90			i_N = 90 − 112					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
5	40	70	70				30	50	50				24	40	40				60	220	234
6				40	70	70				30	50	50				24	40	40	60	220	234
7	45	80	80				35	60	60				28	50	50				185	250	287
8				45	80	80				35	60	60				28	50	50	185	250	287
9	60	125	105				45	100	100				32	80	60				230	300	317
10				60	125	105				45	100	100				32	80	60	230	300	317
11	70	120	120				50	80	80				42	70	70				255	330	369
12				70	120	120				50	80	80				42	70	70	255	330	369

型號 Size	齒輪箱 / Gear units																
	a	b	c	c_1	D_5	E	g	H	h	h_5	m_1	m_3	n_1	n_2	n_3	n_4	s
5	690	255	28	30±1	24	405	97.5	482	230	130	480	220	105	100	455	180	19
6	770	255	28	30±1	24	440	97.5	482	230	130	560	220	105	145	490	180	19
7	845	300	35	36±1	28	495	114	572	280	170	605	260	120	130	560	215	24
8	950	300	35	36±1	28	540	114	582	280	160	710	260	120	190	605	215	24
9	1000	370	40	45±1.5	36	580	140	662	320	185	710	320	145	155	660	245	28
10	1100	370	40	45±1.5	36	630	140	662	320	185	810	320	145	205	710	245	28
11	1200	430	50	54±1.5	40	705	161	782	380	180	870	370	165	180	805	300	35
12	1355	430	50	54±1.5	40	775	161	790	380	170	1025	370	165	265	875	300	35

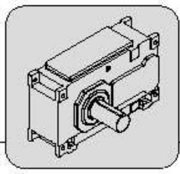
型號 Size	輸出軸 / Output									冷卻風扇 / Fan							潤滑油量 (L) 5) Oil quantity	重量 (kg) 6) Weight
	H3SH			H3HH		H3DH												
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	A_3	A_4	B_1	B_2	d_6		
5	100	210	165	95	165	100	100	165	240	137	135	140	80	215	175	60	16	320
6	110	210	165	105	165	110	110	165	240	137	135	140	80	215	175	60	18	365
7	120	210	195	115	195	120	120	195	280	157	160	180	100	245	205	75	29	540
8	130	250	195	125	195	130	130	195	285	157	160	180	100	245	205	75	32	625
9	140	250	235	135	235	140	145	235	330	182	190	205	120	295	240	90	48	875
10	160	300	235	150	235	150	155	235	350	182	190	205	120	295	240	90	49	1020
11	170	300	270	165	270	165	170	270	400	218	220	255	150	325	280	100	85	1400
12	180	300	270	180	270	180	185	270	405	218	220	255	150	325	280	100	90	1675

尺寸單位為mm

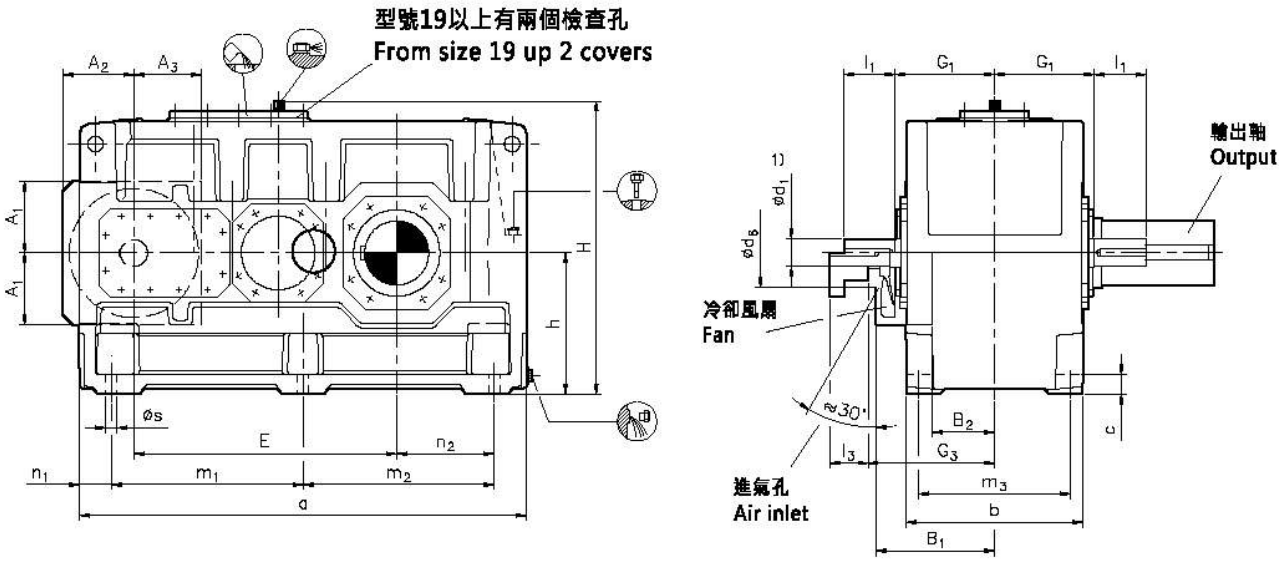
1) 軸
- $k_6=\phi24$; $\phi28 \leq m_6 \leq \phi100$; $n_6 > \phi100$
- 相關細節參考第57頁
2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號5, 7, 9, 11 : 速比25 - 90
   型號6, 8, 10, 12 : 速比31.5 - 112
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

Dimensions in mm

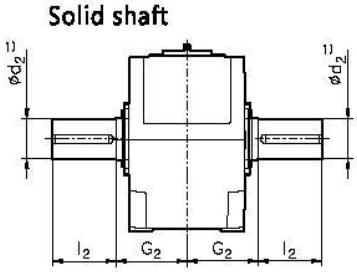
1) Shafts
- $k6=\phi24$; $\phi28 \leq m_6 \leq \phi100$; $n_6 > \phi100$
- For details, see page 57
2) Remove air guide before fitting the foundation bolts.
3) Design G, H, I only for
   Size 5, 7, 9, 11 : ratio 25 - 90
   Size 6, 8, 10, 12 : ratio 31.5 - 112
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling



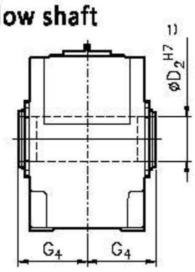
H3SH
H3HH
H3DH



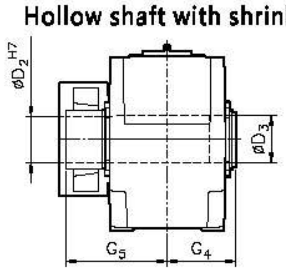
H3SH
實心軸
Solid shaft



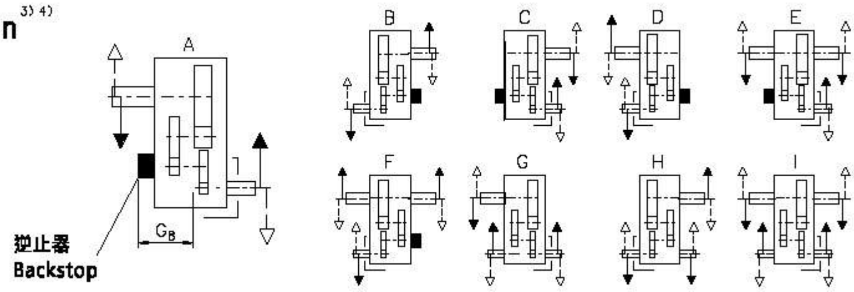
H3HH
空心軸
Hollow shaft



H3DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk

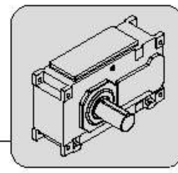


布置形式 Design 3) 4)



平行軸齒輪箱
三級傳動　臥式安裝
類型H3.H　型號13-22

Helical Gear Units
Three Stage　Horizontal
Type H3.H　Sizes 13-22



型號 Size	輸入軸 / Input											逆止器 Backstop
	i_N = 22.4 – 45			i_N = 50 – 63			i_N = 71 – 90					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
13	85	160	130	60	135	105	50	110	80	310	385	457
15	100	200	165	75	140	105	60	140	105	350	420	522
17	100	200	165	75	140	105	60	140	105	380	450	534
19	110	200	–	90	165	–	75	140	–	430	–	614
21	130	240	–	110	205	–	90	170	–	470	–	635

型號 Size	輸入軸 / Input																				逆止器 Backstop
	i_N = 25 – 50			i_N = 28 – 56			i_N = 56 – 71			i_N = 63 – 80			i_N = 80 – 100			i_N = 90 – 112					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
14				85	160	130				60	135	105				50	110	80	310	385	457
16	100	200	165				75	140	105				60	140	105				350	420	522
18	100	200	165				75	140	105				60	140	105				380	450	534
20	110	200	–				90	165	–				75	140	–				430	–	614
22	130	240	–				110	205	–				90	170	–				470	–	635

型號 Size	齒輪箱 / Gear units																			
	a	b	c	c_1	D_5	E	e_2	g	H	h	h_1	h_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	1395	550	60	61±2	48	820	405	211.5	900	440	450	460	597.5	597.5	475	100	305	940	340	35
14	1535	550	60	61±2	48	890	475	211.5	900	440	450	460	597.5	737.5	475	100	375	1010	340	35
15	1680	625	70	72±2	55	987	485	238	1000	500	490	500	720	720	535	120	365	1135	375	42
16	1770	625	70	72±2	55	1033	530	238	1000	500	490	500	720	810	535	120	410	1180	375	42
17	1770	690	80	81±2	55	1035	525	259	1110	550	555	560	750	750	600	135	390	1175	425	42
18	1890	690	80	81±2	55	1095	585	259	1110	550	555	560	750	870	600	135	450	1235	425	42
19	2030	790	90	91±2	65	1190	590	299	1240	620	615	620	860	860	690	155	435	1365	475	48
20	2150	790	90	91±2	65	1250	650	299	1240	620	615	620	860	980	690	155	495	1425	475	48
21	2340	830	100	100±2	75	1387	655	310	1390	700	685	690	1000	1000	720	170	485	1600	520	56
22	2450	830	100	100±2	75	1442	710	310	1390	700	685	690	1000	1110	720	170	540	1655	520	56

型號 Size	輸出軸 / Output									冷卻風扇 / Fan						潤滑油量 (L)[5] Oil quantity	重量 (kg)[6] Weight
	H3SH			H3HH		H3DH											
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	A_3	B_1	B_2	d_6		
13	200	350	335	190	335	190	195	335	480	225	225	212	380	195	120	160	2295
14	210	350	335	210	335	210	215	335	480	225	225	212	380	195	120	165	2625
15	230	410	380	230	380	230	235	380	550	270	265	252	415	205	150	235	3475
16	240	410	380	240	380	240	245	380	550	270	265	252	415	205	150	245	3875
17	250	410	415	250	415	250	260	415	600	270	265	252	455	235	150	305	4560
18	270	470	415	275	415	280	285	415	600	270	265	252	455	235	150	315	5030
19	290	470	465	–	–	285	295	465	670							420	6700
20	300	500	465	–	–	310	315	465	670	請洽詢 / on request						450	8100
21	320	500	490	–	–	330	335	490	715							470	9100
22	340	550	490	–	–	340	345	490	725							490	9800

尺寸單位為mm

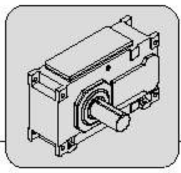
1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號13, 15, 17 : 速比22.4 - 90
   型號14 : 速比28 - 112
   型號16, 18 : 速比25 - 100
   型號19, 20, 21, 22 : 請洽詢
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

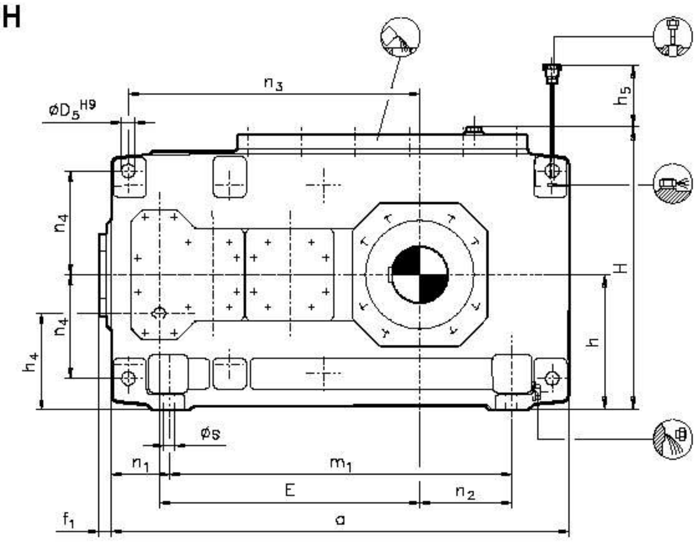
3) Remove air guide before fitting the foundation bolts.
4) Design G, H, I only for
   Size 13, 15, 17 : ratio 22.4 - 90
   Size 14 : ratio 28 - 112
   Size 16, 18 : ratio 25 - 100
   Size 19, 20, 21, 22 : on request
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling

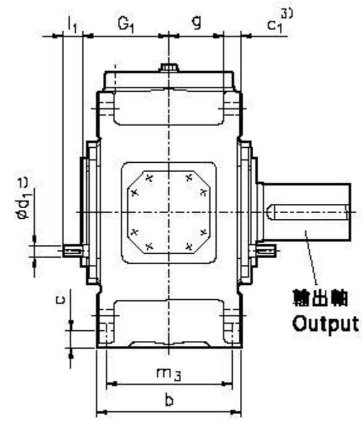


平行軸齒輪箱
四級傳動　臥式安裝
類型H4.H　型號7-12

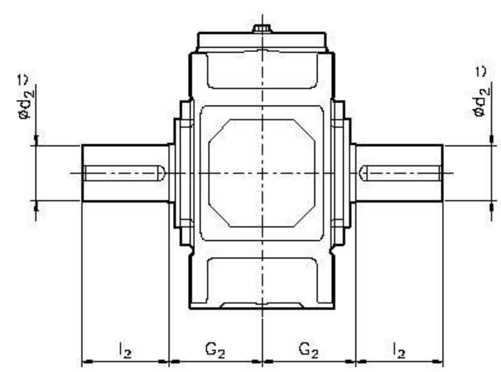
Helical Gear Units
Four Stage　Horizontal
Type H4.H　Sizes 7-12

H4SH
H4HH
H4DH

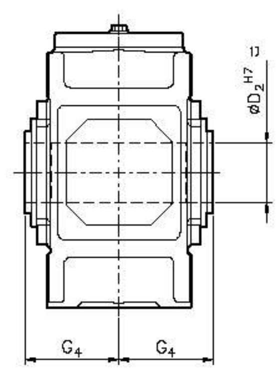




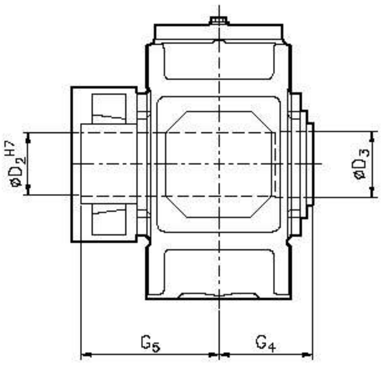
H4SH
實心軸 / Solid shaft



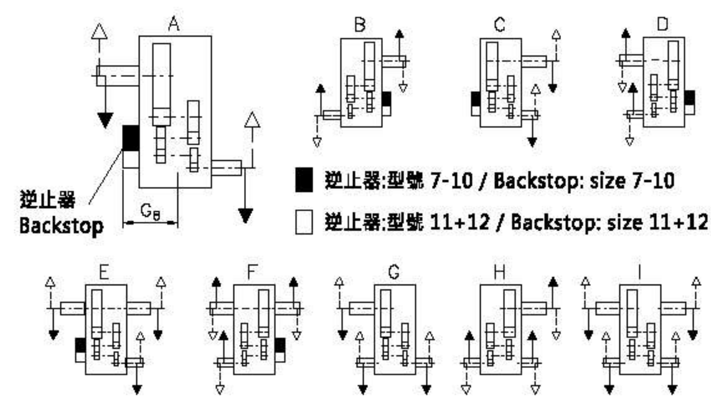
H4HH
空心軸 / Hollow shaft



H4DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk

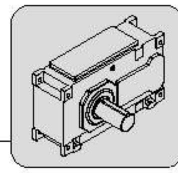


布置形式 Design [3) 4)]



平行軸齒輪箱
四級傳動 臥式安裝
類型H4.H 型號7-12

Helical Gear Units
Four Stage Horizontal
Type H4.H Sizes 7-12



型號 Size	輸入軸 / Input									逆止器 Backstop
	i_N =100−180		i_N =125−224		i_N =200−355		i_N =250−450			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	G_8
7	30	50			24	40			180	286
8			30	50			24	40	180	286
9	35	60			28	50			215	317
10			35	60			28	50	215	317
11	45	100			32	80			250	333
12			45	100			32	80	250	333

型號 Size	齒輪箱 / Gear units																
	a	b	c	c_1	D_5	E	g	H	h	h_4	m_1	m_3	n_1	n_2	n_3	n_4	s
7	845	300	35	36±1	28	495	114	572	280	200	605	260	120	130	560	215	24
8	950	300	35	36±1	28	540	114	582	280	200	710	260	120	190	605	215	24
9	1000	370	40	45±1.5	36	580	140	662	320	230	710	320	145	155	660	245	28
10	1100	370	40	45±1.5	36	630	140	662	320	230	810	320	145	205	710	245	28
11	1200	430	50	54±1.5	40	705	161	782	380	270	870	370	165	180	805	300	35
12	1355	430	50	54±1.5	40	775	161	790	380	270	1025	370	165	265	875	300	35

型號 Size	輸出軸 / Output									潤滑油量 (L)[5] Oil quantity	重量 (kg)[6] Weight
	H4SH			H4HH		H4DH					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
7	120	210	195	115	195	120	120	195	280	25	550
8	130	250	195	125	195	130	130	195	285	27	645
9	140	250	235	135	235	140	145	235	330	48	875
10	160	300	235	150	235	150	155	235	350	50	1010
11	170	300	270	165	270	165	170	270	400	80	1460
12	180	300	270	180	270	180	185	270	405	87	1725

尺寸單位為mm

1) 軸
- k_6=φ24; m_6≤Ø100; n_6>Ø100
- 相關細節參考第57頁

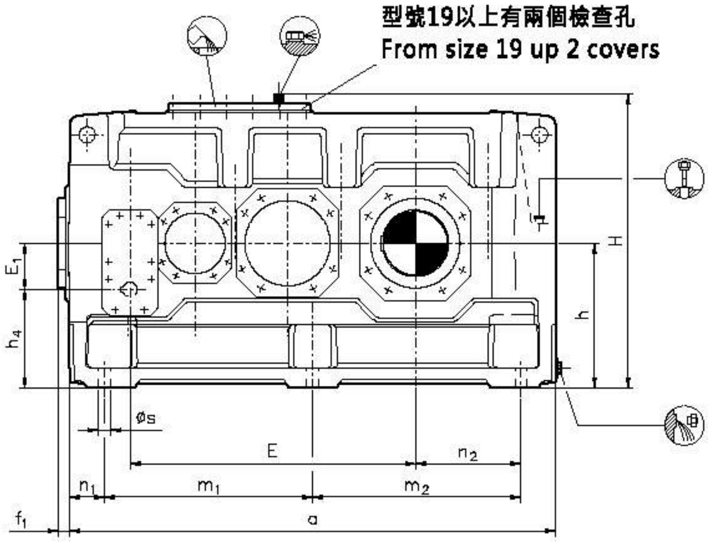
2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號7 : 速比100 - 224
   型號9, 11 : 速比100 - 250
   型號8 : 速比125 - 280
   型號10, 12 : 速比125 - 315
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

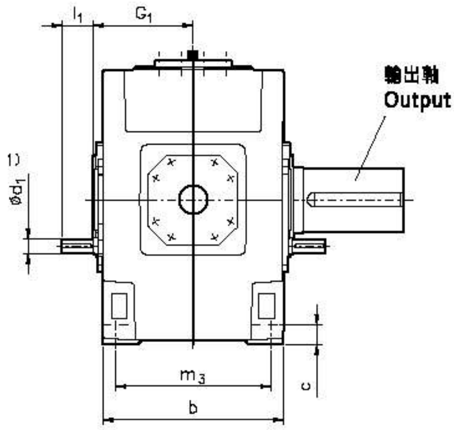
Dimensions in mm

1) Shafts
- k_6=φ24; m_6≤Ø100; n_6>Ø100
- For details, see page 57

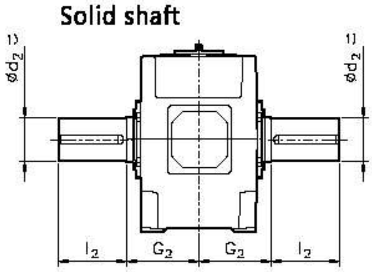
2) Remove air guide before fitting the foundation bolts.
3) Design G, H, I only for
   Size 7 : ratio 100 - 224
   Size 9, 11 : ratio 100 - 250
   Size 8 : ratio 125 - 280
   Size 10, 12 : ratio 125 - 315
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling

H4SH
H4HH
H4DH

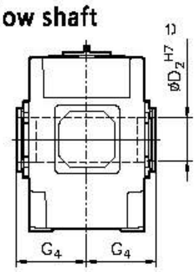




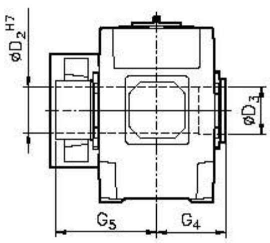
H4SH
實心軸
Solid shaft



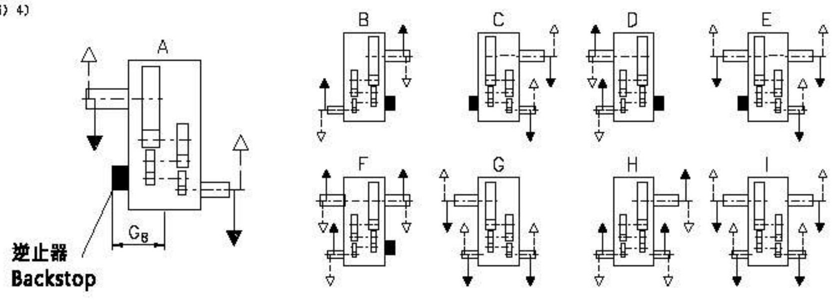
H4HH
空心軸
Hollow shaft



H4DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk

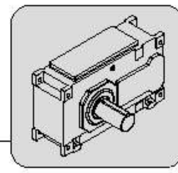


布置形式 Design 3) 4)



平行軸齒輪箱
四級傳動 臥式安裝
類型H4.H 型號13-22

Helical Gear Units
Four Stage Horizontal
Type H4.H Sizes 13-22



型號 Size	輸入軸 / Input													逆止器 Backstop
	i_N =100–180		i_N =125–224		i_N =200–355		i_N =250–450		i_N =200–355		i_N =250–450			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	G_B
13	50	100					38	80					305	391
14					50	100					38	80	305	391
15	60	135					50	110					345	487
16			60	135					50	110			345	487
17	60	105					50	80					380	487
18			60	105					50	80			380	487
19	75	105					60	105					440	590
20			75	105					60	105			440	590
21	90	165					70	140					460	610
22			90	165					70	140			460	610

型號 Size	齒輪箱 / Gear units																						
	a	b	c	c_1	D_5	E	E_1	e_2	f_1	g	H	h	h_1	h_2	h_4	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	1395	550	60	61±2	48	820	130	405	47	211.5	900	440	450	460	310	597.5	597.5	475	100	305	940	340	35
14	1535	550	60	61±2	48	890	130	475	47	211.5	900	440	450	460	310	597.5	737.5	475	100	375	1010	340	35
15	1680	625	70	72±2	55	987	160	485	56	238	1000	500	490	500	340	720	720	535	120	365	1135	375	42
16	1770	625	70	72±2	55	1033	160	530	56	238	1000	500	490	500	340	720	810	535	120	410	1180	375	42
17	1770	690	80	81±2	55	1035	160	525	53	259	1110	550	555	560	390	750	750	600	135	390	1175	425	42
18	1890	690	80	81±2	55	1095	160	585	53	259	1110	550	555	560	390	750	870	600	135	450	1235	425	42
19	2030	790	90	91±2	65	1190	185	590	53	299	1240	620	615	620	435	860	860	690	155	435	1365	475	48
20	2150	790	90	91±2	65	1250	185	650	53	299	1240	620	615	620	435	860	980	690	155	495	1425	475	48
21	2340	830	100	100±2	75	1387	225	655	62	310	1390	700	685	690	475	1000	1000	720	170	485	1600	520	56
22	2450	830	100	100±2	75	1442	225	710	62	310	1390	700	685	690	475	1000	1110	720	170	540	1655	520	56

型號 Size	輸出軸 / Output									潤滑油量 (L)[5] Oil quantity	重量 (kg)[6] Weight
	H4SH			H4HH		H4DH					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	130	2390
14	210	350	335	210	335	210	215	335	480	140	2730
15	230	410	380	230	380	230	235	380	550	230	3635
16	240	410	380	240	380	240	245	380	550	235	3965
17	250	410	415	250	415	250	260	415	600	290	4680
18	270	470	415	275	415	280	285	415	600	305	5185
19	290	470	465	–	–	285	295	465	670	430	6800
20	300	500	465	–	–	310	315	465	670	380	8200
21	320	500	490	–	–	330	335	490	715	395	9200
22	340	550	490	–	–	340	345	490	725	420	9900

尺寸單位為mm

1) 軸
- $m_6 \le \varnothing 100$;$n_6 > \varnothing 100$
- 相關細節參考第57頁

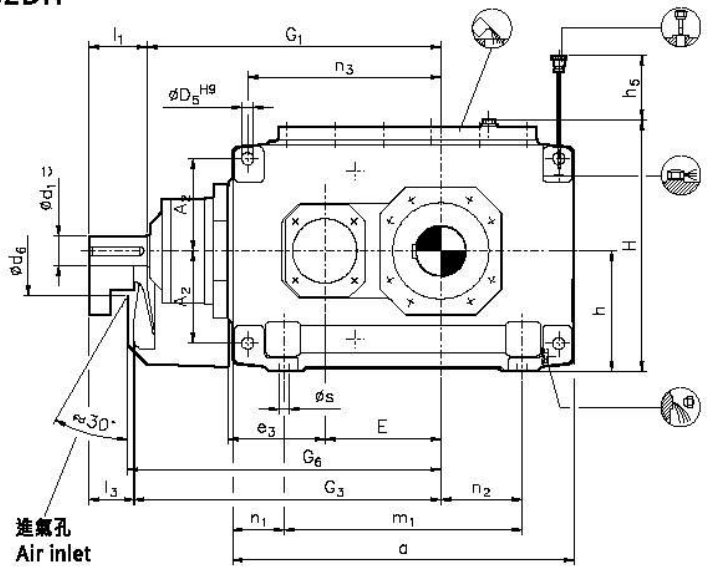
2) 安裝基礎螺栓前先拆下風扇罩
3) 布置形式G, H, I僅適用於以下速比
   型號13, 15 : 速比100 - 250
   型號14 : 速比125 - 315
   型號16 : 速比112 - 280
4) 逆止器不能用於布置形式G, H, I
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

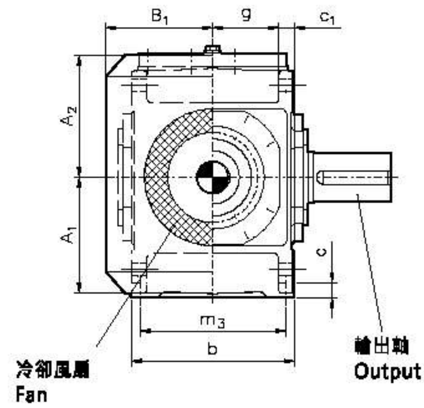
Dimensions in mm

1) Shafts
- $m_6 \le \varnothing 100$;$n_6 > \varnothing 100$
- For details, see page 57

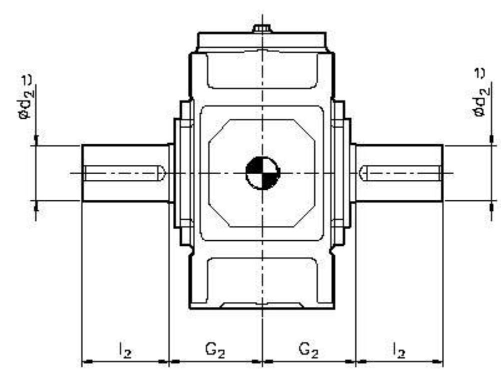
2) Remove air guide before fitting the foundation bolts.
3) Design G, H, I only for
   Size 13, 15 : ratio 100 - 250
   Size 14 : ratio 125 - 315
   Size 16 : ratio 112 - 280
4) Backstop not possible with G, H and I designs.
5) Approximate value
6) Without oil filling

B2SH
B2HH
B2DH

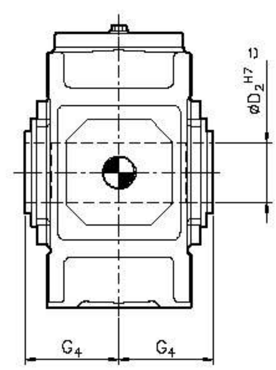




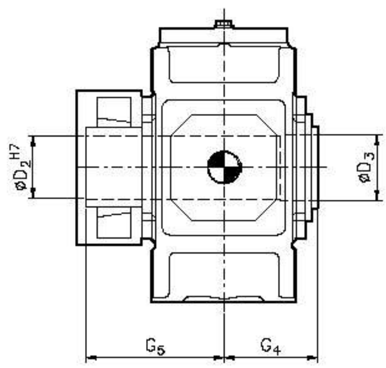
B2SH
實心軸 / Solid shaft

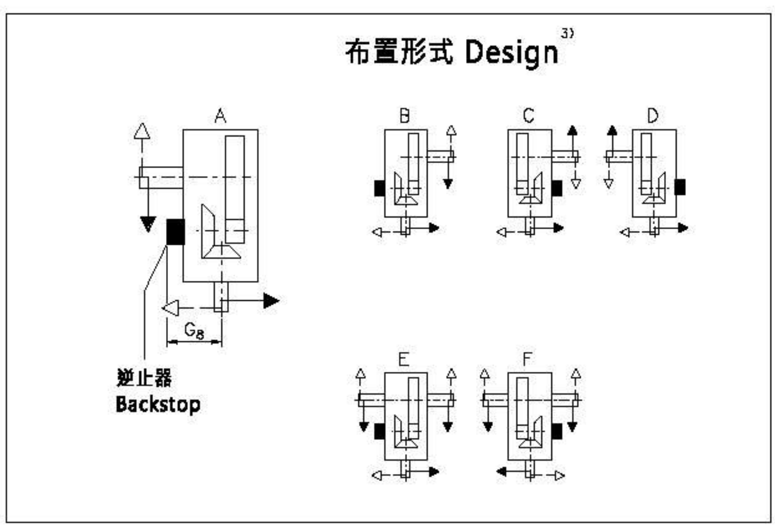


B2HH
空心軸 / Hollow shaft



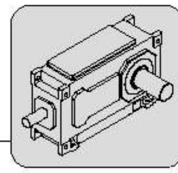
B2DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk





直交軸齒輪箱
兩級傳動 臥式安裝
類型B2.H 型號4-12

Bevel-helical Gear Units
Two Stage Horizontal
Type B2.H Sizes 4-12



型號 Size	輸入軸 / Input								逆止器 Backstop
	i_N = 5 – 11.2			i_N = 6.3 – 14					
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
4	45	100	80				465	485	284
5	55	110	80				535	565	323
6				55	110	80	570	600	323
7	70	135	105				640	670	375
8				70	135	105	685	715	375
9	80	165	130				755	790	452
10				80	165	130	805	840	452
11	90	165	130				925	960	497
12				90	165	130	995	1030	497

型號 Size	齒輪箱 / Gear units																		
	a	b	c	c_1	D_5	E	e_3	G_6	g	H	h	h_5	m_1	m_3	n_1	n_2	n_3	n_4	s
4	505	270	28	30±1	24	160	160	77.5	495	415	200	80	295	235	105	85	285	150	19
5	565	320	28	30±1	24	185	185	97.5	575	482	230	150	355	285	105	100	330	180	19
6	645	320	28	30±1	24	220	185	97.5	610	482	230	150	435	285	105	145	365	180	19
7	3380	380	35	36±1	28	225	225	114	685	572	280	180	450	340	120	130	405	215	24
8	795	380	35	36±1	28	270	225	114	730	582	280	190	555	340	120	190	450	215	24
9	820	440	40	48±1.5	36	265	265	140	805	662	320	205	530	390	145	155	480	245	28
10	920	440	40	48±1.5	36	315	265	140	855	662	320	215	630	390	145	205	530	245	28
11	975	530	50	54±1.5	40	320	320	161	980	782	380	240	645	470	165	180	580	300	35
12	1130	530	50	54±1.5	40	390	320	161	1050	790	380	250	800	470	165	265	650	300	35

型號 Size	輸出軸 / Output									冷卻風扇 / Fan				潤滑油量 (L) [4] Oil quantity	重量 (kg) [5] Weight
	B2SH			B2HH		B2DH									
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	B_1	d_6		
4	80	170	170	80	170	85	85	170	235	195	200	188	150	10	235
5	100	210	200	95	200	100	100	200	275	220	235	215	160	16	360
6	110	210	200	105	200	110	110	200	275	220	235	215	160	19	410
7	120	210	235	115	235	120	120	235	320	270	285	250	210	31	615
8	130	250	235	125	235	130	130	235	325	270	285	250	210	34	700
9	140	250	270	135	270	140	145	270	365	310	325	270	195	48	1000
10	160	300	270	150	270	150	155	270	385	310	325	270	195	50	1155
11	170	300	320	165	320	165	170	320	450	370	385	328	210	80	1640
12	180	300	320	180	320	180	185	320	455	370	385	328	210	95	1910

尺寸單位為mm

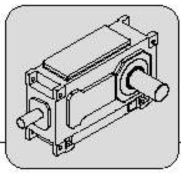
1) 軸
- $m_6 \leq \phi 100; n_6 > \phi 100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 逆止器不適用於以下組合
   B2SH 布置形式 A, C, E + F
   B2FH 布置形式 A + C
   B2DH 布置形式 B + D
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

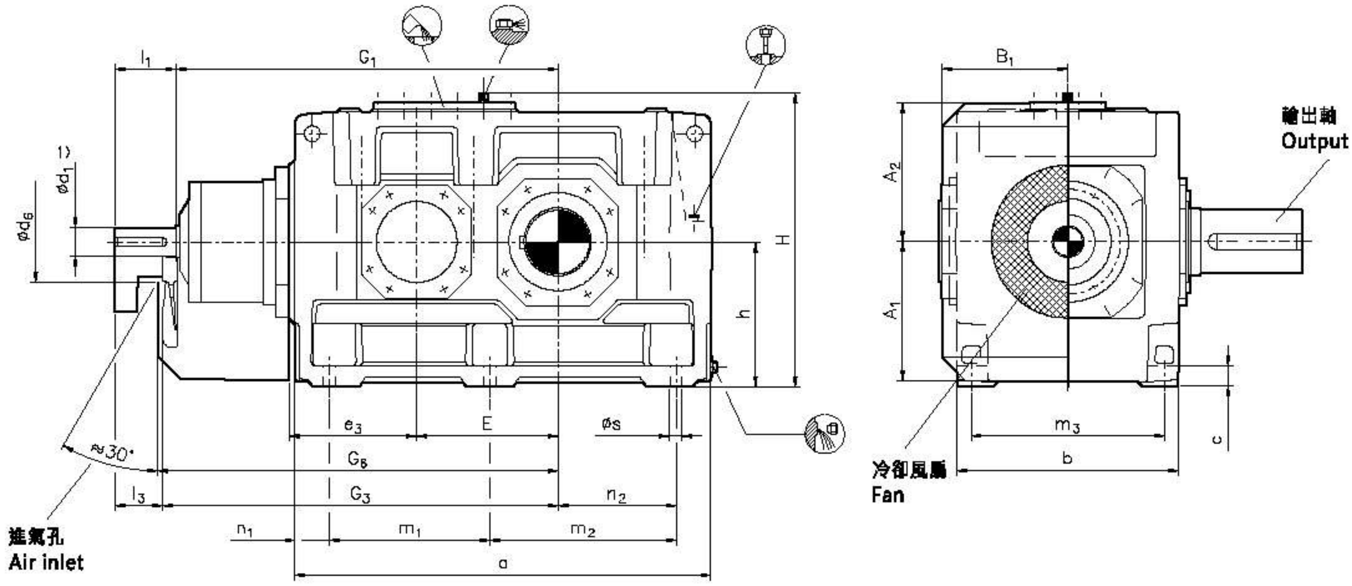
Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100; n_6 > \phi 100$
- For details, see page 57

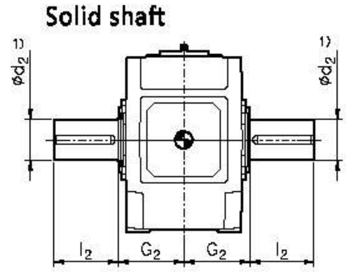
2) Remove air guide before fitting the foundation bolts.
3) Backstop not possible for
   B2SH Design A, C, E + F
   B2FH Design A + C
   B2DH Design B + D
4) Approximate value
5) Without oil filling



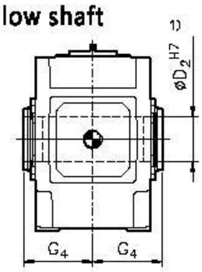
B2SH
B2HH
B2DH



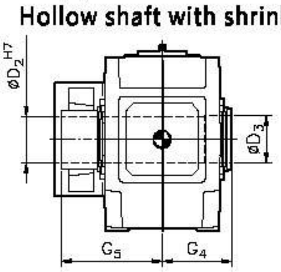
B2SH
實心軸
Solid shaft



B2HH
空心軸
Hollow shaft



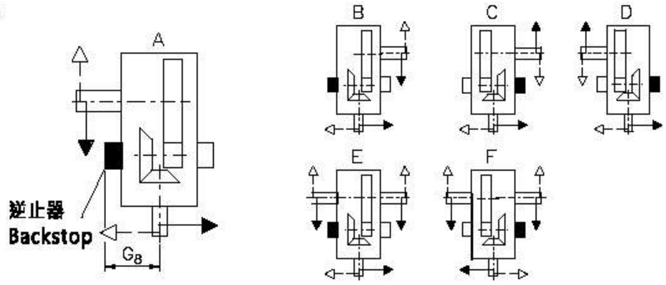
B2DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design [3]

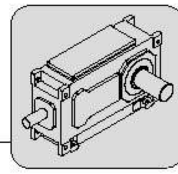
■ 逆止器:型號 13-14
Backstop: size 13-14

□ 逆止器:型號 15-18
Backstop: size 15-18



直交軸齒輪箱
兩級傳動　臥式安裝
類型B2.H　型號13-18

Bevel-helical Gear Units
Two Stage　Horizontal
Type B2.H　Sizes 13-18



型號 Size	輸入軸 / Input																	逆止器 Backstop
	i_N = 5 −11.2			i_N = 6.3 − 14			i_N = 7.1 − 12.5			i_N = 5.6 − 11.2			i_N = 5.6 − 12.5					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
13	110	205	165													1070	1110	559
14				110	205	165										1140	1180	559
15	130	245	200													1277	1322	585
16													130	245	200	1323	1323	585
17										150	245	200				1435	1480	703
18							150	245	200							1495	1540	703

型號 Size	齒輪箱 / Gear units																			
	a	b	c	c_1	D_5	E	e_3	G_6	g	H	h	h_1	h_2	m_1	m_3	n_1	n_2	n_3	n_4	s
13	1130	655	60	61±2	48	370	370	1130	264	900	440	450	460	465	580	100	305	675	340	35
14	1270	655	60	61±2	48	440	370	1200	264	900	440	450	460	465	580	100	375	745	340	35
15	1350	765	70	72±2	55	442	442	1340	308	1000	500	490	490	555	670	120	365	805	375	42
16	1440	765	70	72±2	55	488	442	1385	308	1000	500	490	490	555	670	120	410	850	375	42
17	1490	885	80	81±2	65	490	490	1500	356	1110	550	550	555	610	780	135	390	895	420	48
18	1610	885	80	81±2	65	550	490	1560	356	1110	550	550	555	610	780	135	450	955	420	48

型號 Size	輸出軸 / Output									冷卻風扇 / Fan				潤滑油量 (L) [4] Oil quantity	重量 (kg) [5] Weight
	B2SH			B2HH		B2DH									
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	B_1	d_8		
13	200	350	390	–	–	–	–	–	–	430	450	375	245	140	2450
14	210	350	390	210	390	210	215	390	535	430	450	375	245	155	2825
15	230	410	460	–	–	–	–	–	–	490	495	435	280	220	3990
16	240	410	460	240	450	240	245	450	620	490	495	435	280	230	4345
17	250	410	540	–	–	–	–	–	–	540	555	505	380	320	5620
18	270	470	540	275	510	280	285	510	700	540	555	505	380	335	6150

尺寸單位為mm

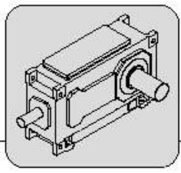
1) 軸
- n_6>ø100
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 逆止器不適用於以下組合
   B2SH 型號 13 + 14 布置形式 A, C, E + F
   B2SH 型號 15 - 18 布置形式 B, D, E + F
   B2FH 型號 13 + 14 布置形式 A + C
   B2FH 型號 15 - 18 布置形式 B + D
   B2DH 型號 14 布置形式 B + D
   B2DH 型號 16 - 18 布置形式 A + C
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

Dimensions in mm

1) Shafts
- n_6>ø100
- For details, see page 57

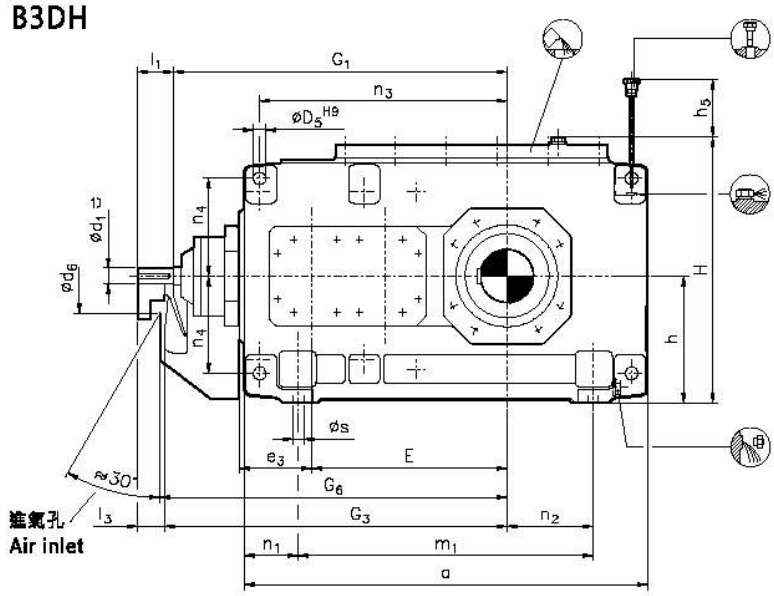
2) Remove air guide before fitting the foundation bolts.
3) Backstop not possible for
   B2SH Size 13 + 14 Design A, C, E + F
   B2SH Size 15 - 18 Design B, D, E + F
   B2FH Size 13 + 14 Design A + C
   B2FH Size 15 - 18 Design B + D
   B2DH Size 14 Design B + D
   B2DH Size 16 - 18 Design A + C
4) Approximate value
5) Without oil filling

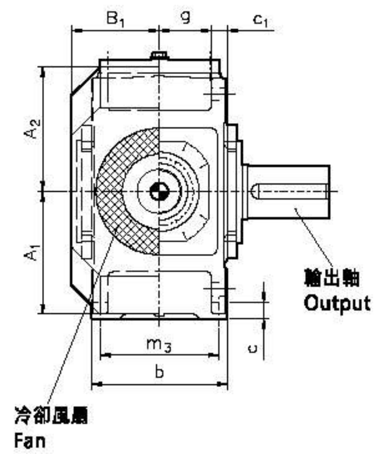


直交軸齒輪箱
三級傳動　　臥式安裝
類型B3.H　　型號4-12

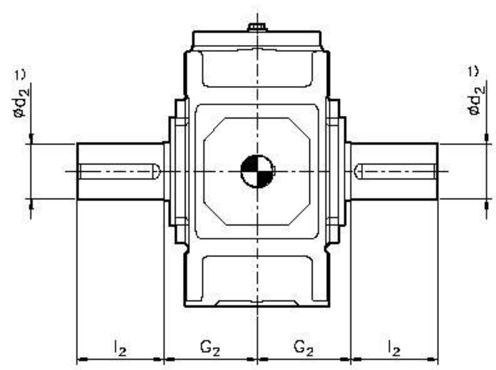
Bevel-helical Gear Units
Three Stage　　Horizontal
Type B3.H　　Sizes 4-12

B3SH
B3HH
B3DH

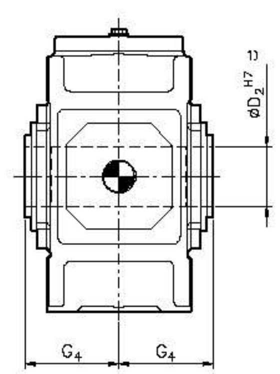




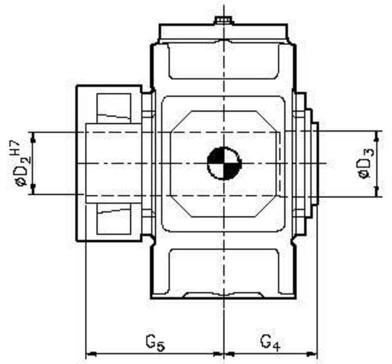
B3SH
實心軸 / Solid shaft



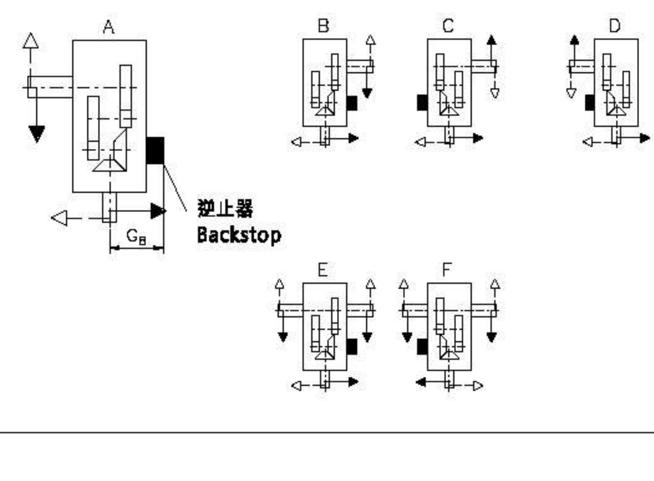
B3HH
空心軸 / Hollow shaft

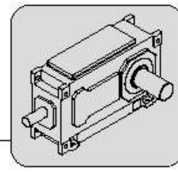


B3DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design





直交軸齒輪箱
三級傳動　臥式安裝
類型B3.H　型號4-12

Bevel-helical Gear Units
Three Stage　Horizontal
Type B3.H　Sizes 4-12

型號 Size	輸入軸 / Input														逆止器 Backstop
	i_N = 12.5 − 45			i_N = 16 − 56			i_N = 50 − 71			i_N = 63 − 90					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
4	30	70	50				25	60	40				500	520	204
5	35	80	60				28	60	40				575	595	223
6				35	80	60				28	60	40	610	630	223
7	45	100	80				35	80	60				690	710	281
8				45	100	80				35	80	60	735	755	281
9	55	110	80				40	100	70				800	830	317
10				55	110	80				40	100	70	850	880	317
11	70	135	105				50	110	80				960	990	368
12				70	135	105				50	110	80	1030	1060	368

型號 Size	齒輪箱 / Gear units																		
	a	b	c	c_1	D_5	E	e_3	G_6	g	H	h	h_5	m_1	m_3	n_1	n_2	n_3	n_4	s
4	565	215	28	30±1	24	270	110	530	77.5	415	200	100	355	180	105	85	345	150	19
5	640	255	28	30±1	24	315	130	605	97.5	482	230	130	430	220	105	100	405	180	19
6	720	255	28	30±1	24	350	130	640	97.5	482	230	130	510	220	105	145	440	180	19
7	785	300	35	36±1	28	385	160	720	114	572	280	170	545	260	120	130	500	215	24
8	890	300	35	36±1	28	430	160	765	114	582	280	160	650	260	120	190	545	215	24
9	925	370	40	45±1.5	36	450	185	845	140	662	320	175	635	320	145	155	585	245	28
10	1025	370	40	45±1.5	36	500	185	895	140	662	320	175	735	320	145	205	635	245	28
11	1105	430	50	54±1.5	40	545	225	1010	161	782	380	220	775	370	165	180	710	300	35
12	1260	430	50	54±1.5	40	615	225	1080	161	790	380	210	930	370	165	265	780	300	35

型號 Size	輸出軸 / Output									冷卻風扇 / Fan				潤滑油量 (L)[3] Oil quantity	重量 (kg)[4] Weight
	B3SH			B3HH		B3DH									
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	B_1	d_6		
4	80	170	140	80	140	85	85	140	205	195	200	143	110	9	210
5	100	210	165	95	165	100	100	165	240	220	235	168	130	15	325
6	110	210	165	105	165	110	110	165	240	220	235	168	130	16	380
7	120	210	195	115	195	120	120	195	280	275	275	193	165	27	550
8	130	250	195	125	195	130	130	195	285	275	275	193	165	30	635
9	140	250	235	135	235	140	145	235	330	315	325	231	175	42	890
10	160	300	235	150	235	150	155	235	350	315	325	231	175	45	1020
11	170	300	270	165	270	165	170	270	400	370	385	263	190	71	1455
12	180	300	270	180	270	180	185	270	405	370	385	263	190	76	1730

尺寸單位為mm

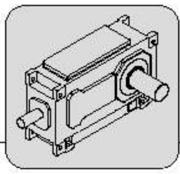
1) 軸
- k_6=ø25; m_6≤ø100; n_6>ø100
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

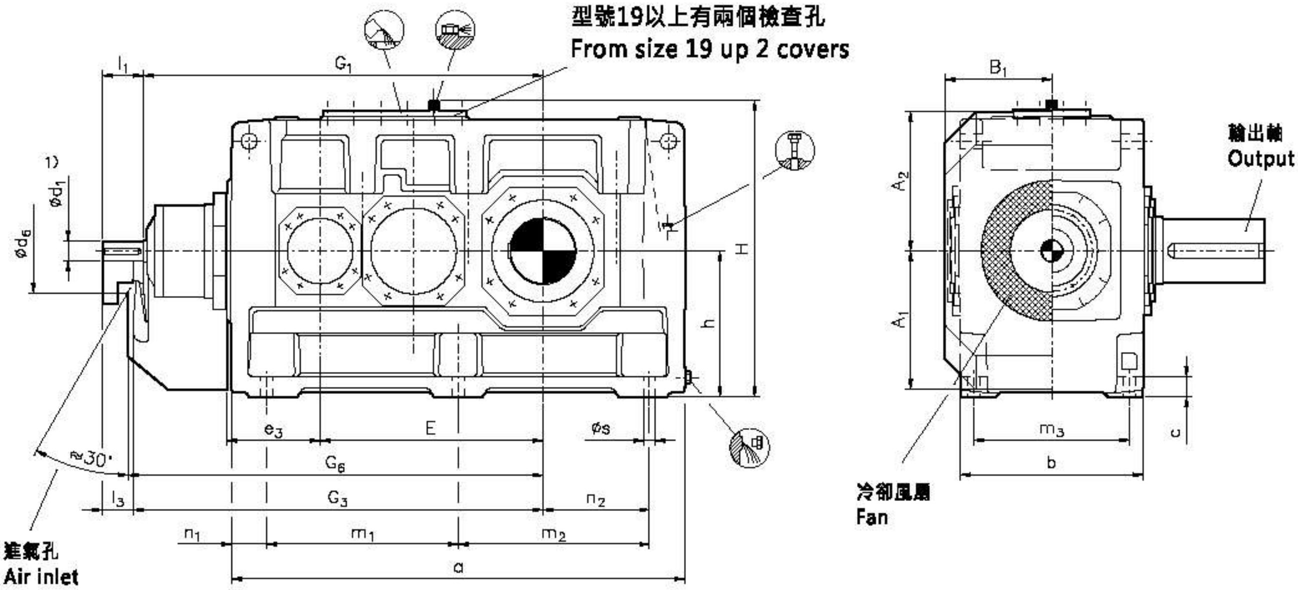
Dimensions in mm

1) Shafts
- k_6=ø25; m_6≤ø100;n_6>ø100
- For details, see page 57

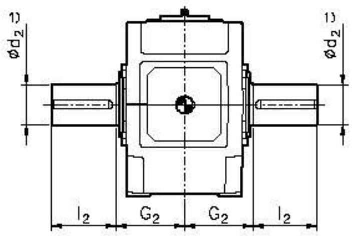
2) Remove air guide before fitting the foundation bolts.
3) Approximate value
4) Without oil filling



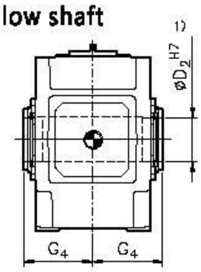
B3SH
B3HH
B3DH



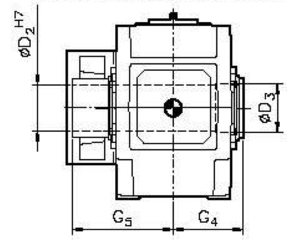
B3SH
實心軸
Solid shaft



B3HH
空心軸
Hollow shaft



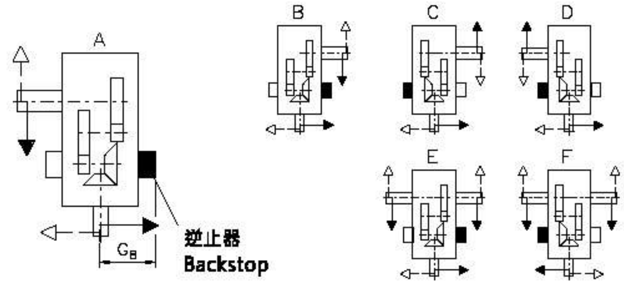
B3DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design

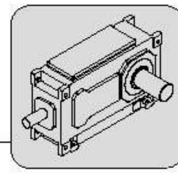
■ **逆止器:型號 13-18**
Backstop: size 13-18

□ **逆止器:型號 19-22**
Backstop: size 19-22



直交軸齒輪箱 三級傳動 臥式安裝 類型B3.H 型號13-22

Bevel-helical Gear Units Three Stage Horizontal Type B3.H Sizes 13-22



型號 Size	輸入軸 / Input																				逆止器 Backstop
	i_N = 12.5 – 45			i_N = 14 – 50			i_N = 16 – 56			i_N = 50 – 71			i_N = 56 – 80			i_N = 63 – 90					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	G_8
13	80	165	130							60	140	105							1125	1160	451
14							80	165	130							60	140	105	1195	1230	451
15	90	165	130							70	140	105							1367	1402	497
16				90	165	130							70	140	105				1413	1448	497
17	110	205	165							80	170	130							1560	1600	564
18				110	205	165							80	170	130				1620	1660	564
19	130	245	200							100	210	165							1832	1877	621
20				130	245	200							100	210	165				1892	1937	621
21	130	245	200							100	210	165							1902	1947	640
22				130	245	200							100	210	165				1957	2002	640

型號 Size	齒輪箱 / Gear units																					
	a	b	c	c_1	D_5	E	e_2	e_3	G_6	g	H	h	h_1	h_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	1290	550	60	61±2	48	635	405	265	1180	211.5	900	440	450	460	545	545	475	100	305	835	340	35
14	1430	550	60	61±2	48	705	475	265	1250	211.5	900	440	450	460	545	685	475	100	375	905	340	35
15	1550	625	70	72±2	55	762	485	320	1420	238	1000	500	490	500	655	655	535	120	365	1005	375	42
16	1640	625	70	72±2	55	808	530	320	1470	238	1000	500	490	500	655	745	535	120	410	1050	375	42
17	1740	690	80	81±2	55	860	525	370	1620	259	1110	550	555	560	735	735	600	135	390	1145	425	42
18	1860	690	80	81±2	55	920	585	370	1680	259	1110	550	555	560	735	855	600	135	450	1205	425	42
19	2010	790	90	91±2	65	997	590	420	1900	299	1240	620	615	620	850	850	690	155	435	1345	475	48
20	2130	790	90	91±2	65	1057	650	420	1960	299	1240	620	615	620	850	970	690	155	495	1405	475	48
21	2140	830	100	100±2	75	1067	655	450	1970	310	1390	700	685	690	900	900	720	170	485	1400	520	56
22	2250	830	100	100±2	75	1122	710	450	2025	310	1390	700	685	690	900	1010	720	170	540	1455	520	56

型號 Size	輸出軸 / Output									冷卻風扇 / Fan				潤滑油量 (L)[3] Oil quantity	重量 (kg)[4] Weight
	B3SH			B3HH		B3DH									
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5	A_1	A_2	B_1	d_6		
13	200	350	335	190	335	190	195	335	480	425	435	325	210	130	2380
14	210	350	335	210	335	210	215	335	480	425	435	325	210	140	2750
15	230	410	380	230	380	230	235	380	550	485	520	365	210	210	3730
16	240	410	380	240	380	240	245	380	550	485	520	365	210	220	3955
17	250	410	415	250	415	250	260	415	600	535	570	395	230	290	4990
18	270	470	415	275	415	280	285	415	600	535	570	395	230	300	5495
19	290	470	465	–	–	285	295	465	670	610	630	448	245	380	7000
20	300	500	465	–	–	310	315	465	670	610	630	448	245	440	8100
21	320	500	490	–	–	330	335	490	715	690	690	473	280	370	9200
22	340	550	490	–	–	340	345	490	725	690	690	473	280	430	9900

尺寸單位為mm

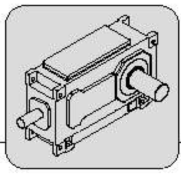
1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

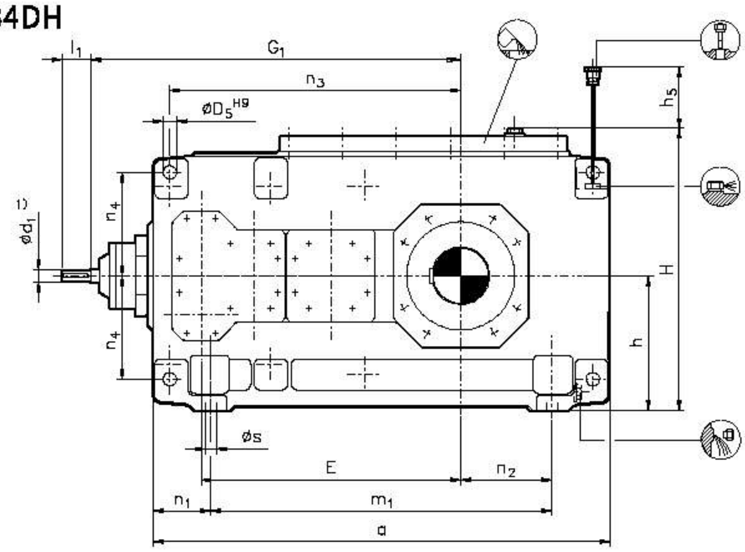
2) Remove air guide before fitting the foundation bolts.
3) Approximate value
4) Without oil filling

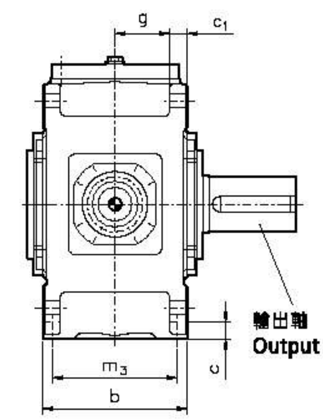


直交軸齒輪箱
四級傳動 臥式安裝
類型B4.H 型號5-12

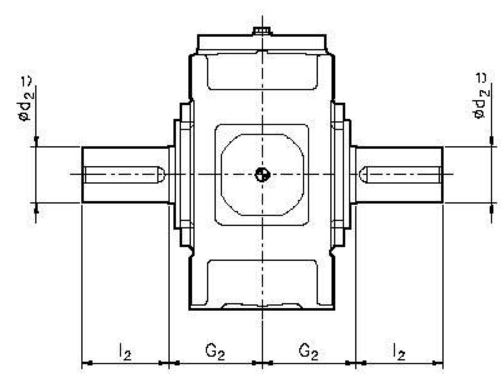
Bevel-helical Gear Units
Four Stage Horizontal
Type B4.H Sizes 5-12

B4SH
B4HH
B4DH

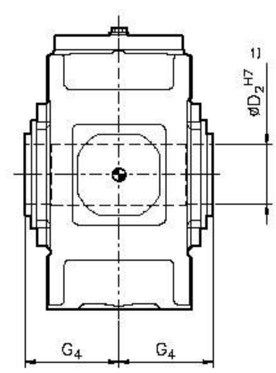




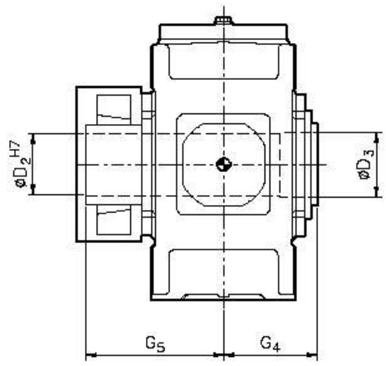
B4SH
實心軸 / Solid shaft



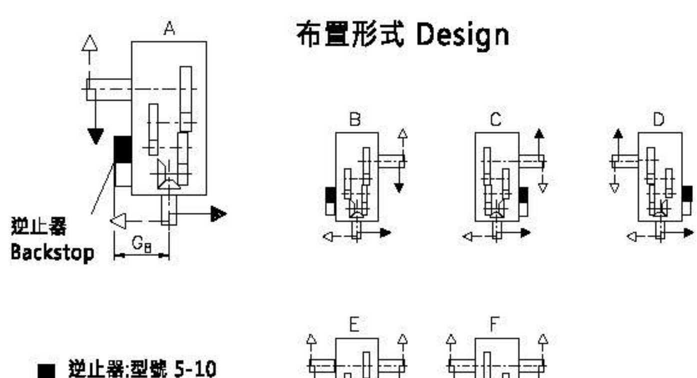
B4HH
空心軸 / Hollow shaft



B4DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk

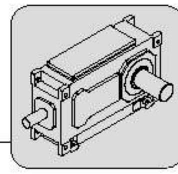


布置形式 Design



■ 逆止器:型號 5-10
Backstop: size 5-10

□ 逆止器:型號 11+12
Backstop: size 11+12



型號 Size	輸入軸 / Input									逆止器 Backstop
	i_N =80−180		i_N =100−224		i_N =200−315		i_N =250−400			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	G_8
5	28	55			20	50			615	236
6			28	55			20	50	650	236
7	30	70			25	60			725	286
8			30	70			25	60	770	286
9	35	80			28	60			840	317
10			35	80			28	60	890	317
11	56	100			35	80			1010	333
12			56	100			35	80	1080	333

型號 Size	齒輪箱 / Gear units															
	a	b	c	c_1	D_5	E	g	H	h	m_1	m_3	n_1	n_2	n_3	n_4	s
5	690	255	28	30±1	24	405	97.5	482	230	480	220	105	100	455	180	19
6	770	255	28	30±1	24	440	97.5	482	230	560	220	105	145	490	180	19
7	845	300	35	36±1	28	495	114	572	280	605	260	120	130	560	215	24
8	950	300	35	36±1	28	540	114	582	280	710	260	120	190	605	215	24
9	1000	370	40	45±1.5	36	580	140	662	320	710	320	145	155	660	245	28
10	1100	370	40	45±1.5	36	630	140	662	320	810	320	145	205	710	245	28
11	1200	430	50	54±1.5	40	705	161	782	380	870	370	165	180	805	300	35
12	1355	430	50	54±1.5	40	775	161	790	380	1025	370	165	265	875	300	35

型號 Size	輸出軸 / Output									潤滑油量 (L) [3] Oil quantity	重量 (kg) [4] Weight
	B4SH			B4HH		B4DH					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
5	100	210	165	95	165	100	100	165	240	16	335
6	110	210	165	105	165	110	110	165	240	18	385
7	120	210	195	115	195	120	120	195	280	30	555
8	130	250	195	125	195	130	130	195	285	33	655
9	140	250	235	135	235	140	145	235	330	48	890
10	160	300	235	150	235	150	155	235	350	50	1025
11	170	300	270	165	270	165	170	270	400	80	1485
12	180	300	270	180	270	180	185	270	405	90	1750

尺寸單位為mm

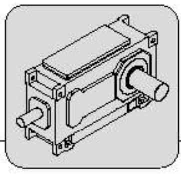
1) 軸
- $k_6 \leq \phi 25$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

Dimensions in mm

1) Shafts
- $k_6 \leq \phi 25$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

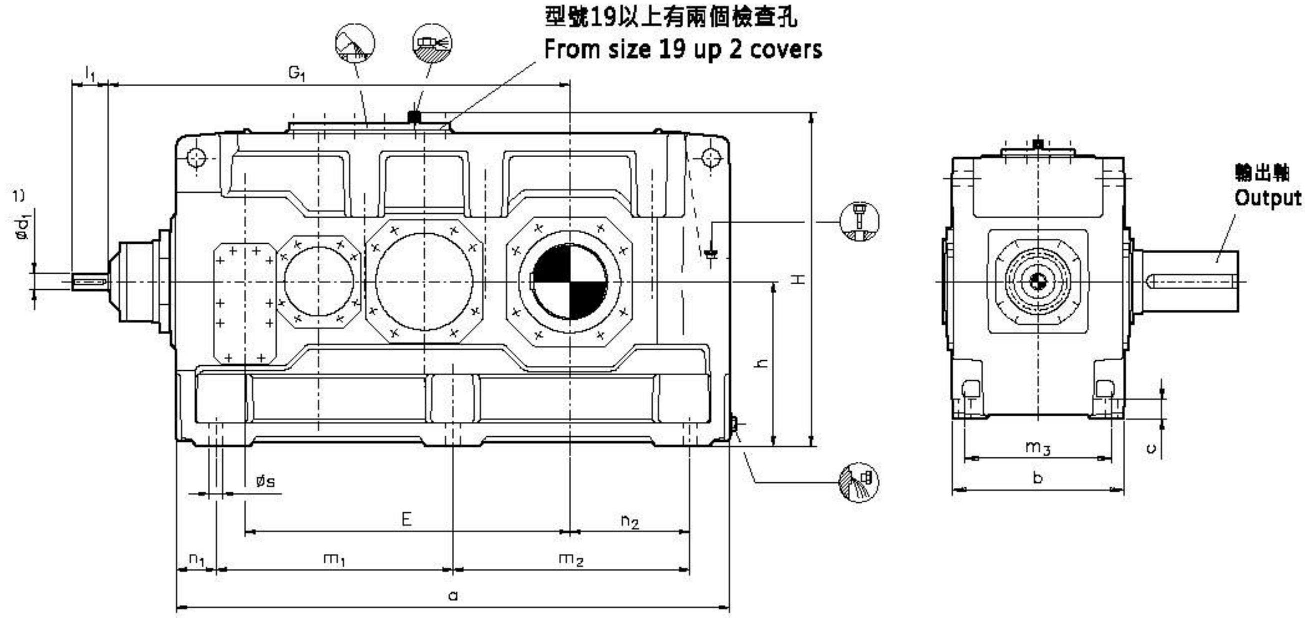
2) Remove air guide before fitting the foundation bolts.
3) Approximate value
4) Without oil filling



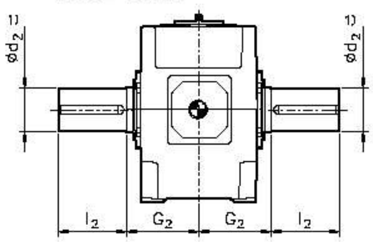
直交軸齒輪箱
四級傳動　臥式安裝
類型B4.H　型號13-22

Bevel-helical Gear Units
Four Stage　Horizontal
Type B4.H　Sizes 13-22

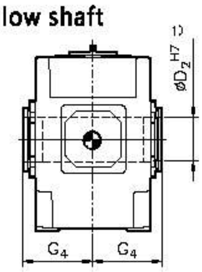
B4SH
B4HH
B4DH



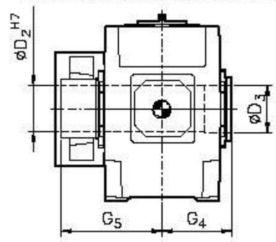
B4SH
實心軸
Solid shaft



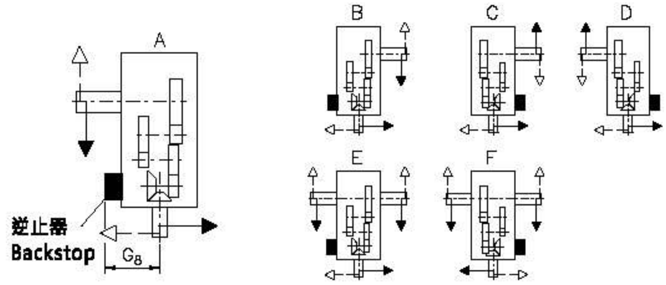
B4HH
空心軸
Hollow shaft

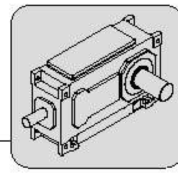


B4DH
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design





型號 Size	輸入軸 / Input													逆止器 Backstop
	i_N =80−180		i_N =90−200		i_N =100−224		i_N =200−315		i_N =224−355		i_N =250−400			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	G_8
13	55	110					40	100					1170	391
14					55	110					40	100	1240	391
15	70	135					50	110					1402	487
16			70	135					50	110			1448	487
17	70	135					50	110					1450	487
18			70	135					50	110			1510	487
19	80	165					60	140					1680	561
20			80	165					60	140			1740	561
21	90	165					70	140					1992	580
22			90	165					70	140			2047	580

型號 Size	齒輪箱 / Gear units																			
	a	b	c	c_1	D_5	E	e_2	g	H	h	h_1	h_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	1395	550	60	61±2	48	820	405	211.5	900	440	450	460	597.5	597.5	475	100	305	940	340	35
14	1535	550	60	61±2	48	890	475	211.5	900	440	450	460	597.5	737.5	475	100	375	1010	340	35
15	1680	625	70	72±2	55	987	485	238	1000	500	490	500	720	720	535	120	365	1135	375	42
16	1770	625	70	72±2	55	1033	530	238	1000	500	490	500	720	810	535	120	410	1180	375	42
17	1770	690	80	81±2	55	1035	525	259	1110	550	555	560	750	750	600	135	390	1175	425	42
18	1890	690	80	81±2	55	1095	585	259	1110	550	555	560	750	870	600	135	450	1235	425	42
19	2030	790	90	91±2	65	1190	590	299	1240	620	615	620	860	860	690	155	435	1365	475	48
20	2150	790	90	91±2	65	1250	650	299	1240	620	615	620	860	980	690	155	495	1425	475	48
21	2340	830	100	100±2	75	1387	655	310	1390	700	685	690	1000	1000	720	170	485	1600	520	56
22	2450	830	100	100±2	75	1442	710	310	1390	700	685	690	1000	1110	720	170	540	1655	520	56

型號 Size	輸出軸 / Output									潤滑油量 (L)[3] Oil quantity	重量 (kg)[4] Weight
	B4SH			B4HH		B4DH					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	145	2395
14	210	350	335	210	335	210	215	335	480	150	2735
15	230	410	380	230	380	230	235	380	550	230	3630
16	240	410	380	240	380	240	245	380	550	235	3985
17	250	410	415	250	415	250	260	415	600	295	4695
18	270	470	415	275	415	280	285	415	600	305	5200
19	290	470	465	–	–	285	295	465	670	480	6800
20	300	500	465	–	–	310	315	465	670	550	8200
21	320	500	490	–	–	330	335	490	715	540	9200
22	340	550	490	–	–	340	345	490	725	620	9900

尺寸單位為mm

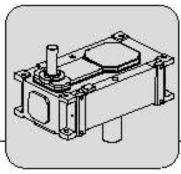
1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 安裝基礎螺栓前先拆下風扇罩
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

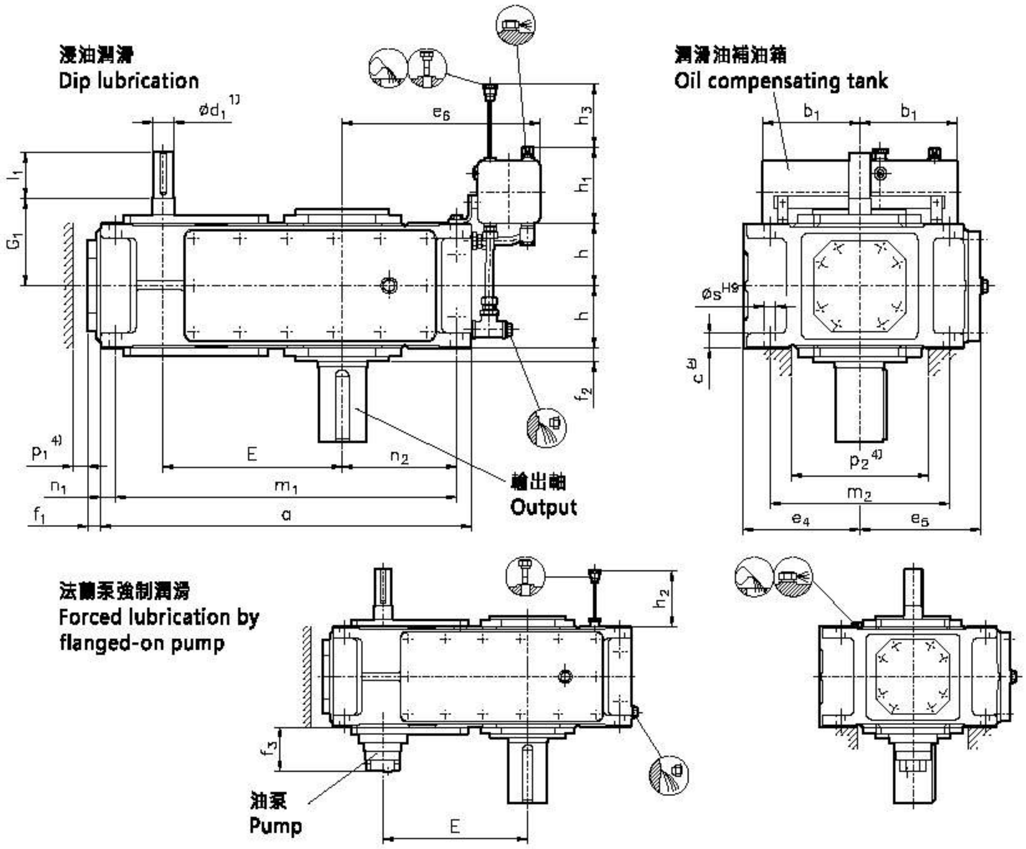
2) Remove air guide before fitting the foundation bolts.
3) Approximate value
4) Without oil filling



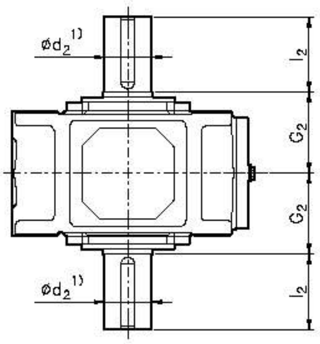
平行軸齒輪箱
兩級傳動　立式安裝
類型H2.V　型號4-12

Helical Gear Units
Two Stage　Vertical
Type H2.V　Sizes 4-12

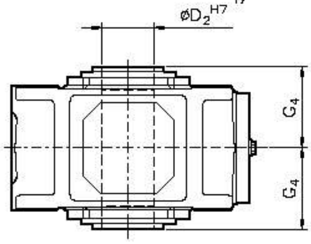
H2SV
H2HV
H2DV



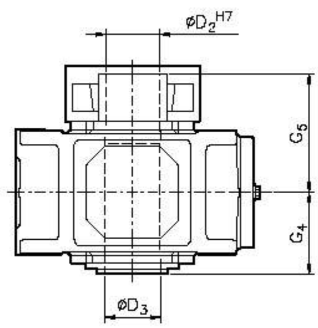
H2SV
實心軸
Solid shaft



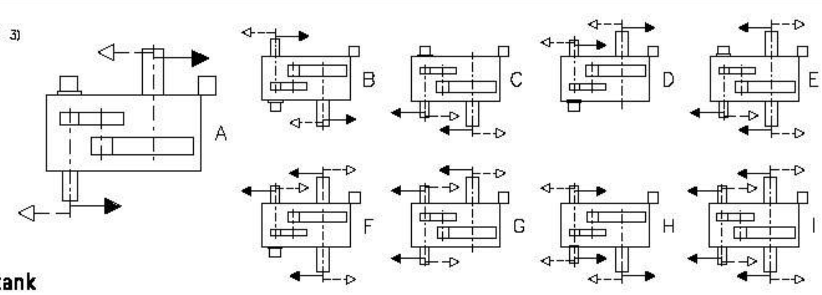
H2HV
空心軸
Hollow shaft



H2DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design[2) 3)]



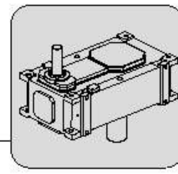
法蘭泵
Flanged-on pump

潤滑油補油箱
Oil compensating tank

平行軸齒輪箱 / Helical Gear Units

兩級傳動　立式安裝 / Two Stage　Vertical

類型H2.V　型號4-12 / Type H2.V　Sizes 4-12



型號 Size	輸入軸 / Input													油泵 Pump [2]
	i_N = 6.3 – 11.2			i_N = 8 – 14			i_N = 12.5 – 22.4			i_N = 16 – 28				
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	f_3
4	45	100	80				32	80	60				170	–
5	50	100	80				38	80	60				195	150
6				50	100	80				38	80	60	195	150
7	60	135	105				50	110	80				210	145
8				60	135	105				50	110	80	210	145
9	75	140	110				60	140	110				240	135
10				75	140	110				60	140	110	240	135
11	90	165	130				75	140	105				275	145
12				90	165	130				75	140	105	275	145

型號 Size	齒輪箱 / Gear units																		
	a	b_1	c	e_4	e_5	e_6	E	f_1	f_2	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_1	p_2	s
4	565	150	30±1	200	215	320	270	28	22	107.5	165	?	180	505	300	30	160	35	220	24
5	640	240	30±1	230	252	385	315	38	28	127.5	205	190	240	580	360	30	175	35	270	24
6	720	240	30±1	230	252	425	350	38	28	127.5	205	190	240	660	360	30	220	35	270	24
7	785	240	36±1	280	292	425	385	42	30	150	205	165	250	715	430	35	215	35	330	28
8	890	240	36±1	280	302	485	430	42	32	150	205	165	250	820	430	35	275	35	330	28
9	925	330	45±1.5	320	342	560	450	42	32	185	275	205	330	845	490	40	260	40	370	36
10	1025	330	45±1.5	320	342	610	500	42	32	185	275	205	330	945	490	40	310	40	370	36
11	1105	330	54±1.5	380	402	595	545	48	35	215	275	240	340	1005	600	50	295	50	440	40
12	1260	330	54±1.5	380	410	680	615	48	35	215	275	240	340	1160	600	50	380	50	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L) [5] Oil quantity		重量 (kg) Weight [6]
	H2SV			H2HV		H2DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
4	80	170	140	80	140	85	85	140	205	23	–	190
5	100	210	165	95	165	100	100	165	240	35	17.5	300
6	110	210	165	105	165	110	110	165	240	37	18.5	355
7	120	210	195	115	195	120	120	195	280	62	31	505
8	130	250	195	125	195	130	130	195	285	69	35	590
9	140	250	235	135	235	140	145	235	330	98	49	830
10	160	300	235	150	235	150	155	235	350	110	55	960
11	170	300	270	165	270	165	170	270	400	160	80	1335
12	180	300	270	180	270	180	185	270	405	180	90	1615

尺寸單位為mm

1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 法蘭泵不能使用於布置G, H, I
3) 布置形式G, H, I僅適用於以下速比
   型號4, 5, 11 : 速比6.3 - 18
   型號7, 9 : 速比6.3 - 16
   型號6, 12 : 速比8 - 22.4
   型號8, 10 : 速比8 - 20
4) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

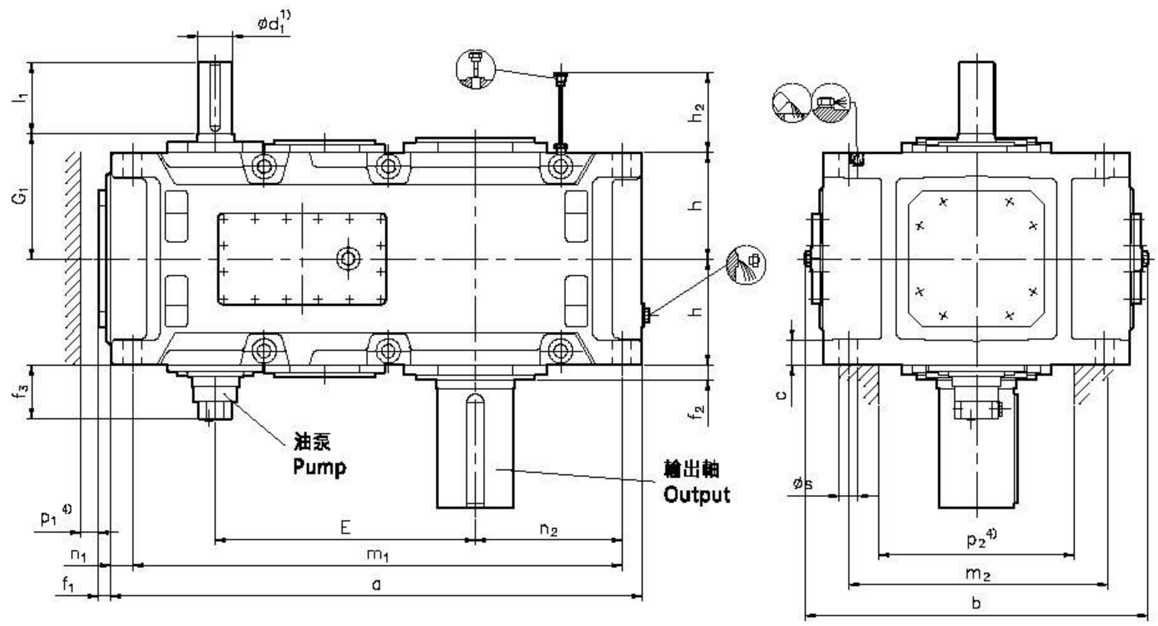
Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

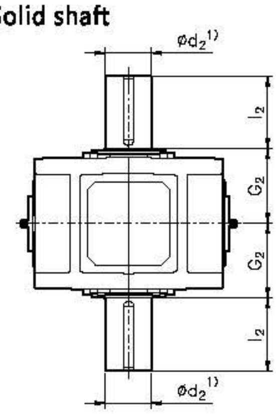
2) Flanged-on pump not possible with G, H and I designs.
3) Design G, H, I only for
   Size 4, 5, 11 : ratio 6.3 - 18
   Size 7, 9 : ratio 6.3 - 16
   Size 6, 12 : ratio 8 - 22.4
   Size 8, 10 : ratio 8 - 20
4) Space for pump,pipes and cover, for exact dimension, please refer to us.
5) Approximate value
6) Without oil filling

H2SV
H2HV
H2DV

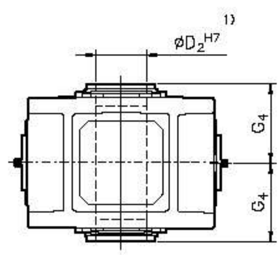
強制潤滑
Forced lubrication by flanged-on pump



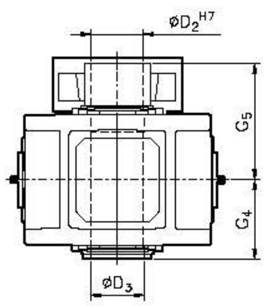
H2SV
實心軸
Solid shaft



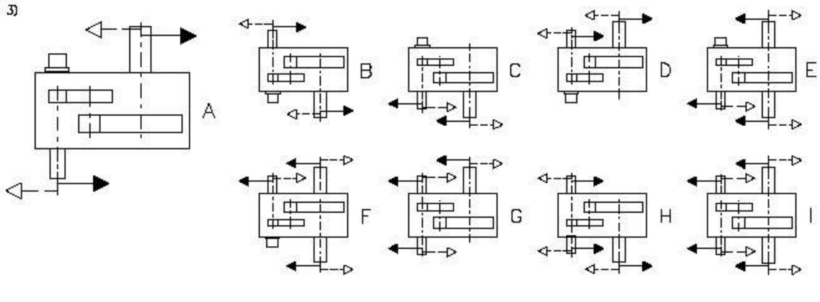
H2HV
空心軸
Hollow shaft



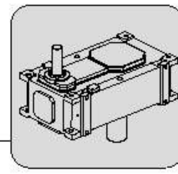
H2DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design [2) 3)]



法蘭泵
Flanged-on pump



型號 Size	輸入軸 / Input													油泵 Pump [2]
	i_N =6.3−11.2		i_N =7.1−12.5		i_N =8−14		i_N =12.5−20		i_N =14−22.4		i_N =16−25			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	f_3
13	100	205					85	170					330	130
14					100	205					85	170	330	130
15	120	210					100	210					365	130
16			120	210					100	210			365	130
17	125	245					110	210					420	170
18			125	245					110	210			420	170
19	請洽詢 / on request													
20														
21														
22														

型號 Size	齒輪箱 / Gear units														
	a	b	c	E	f_1	f_2	h	h_2	m_1	m_2	n_1	n_2	p_1	p_2	s
13	1290	900	61±2	635	53	35	272.5	300	1195	680	50	360	50	500	48
14	1430	900	61±2	705	53	35	272.5	300	1335	680	50	430	50	500	48
15	1550	980	72±2	762	63	42	310	340	1435	750	60	430	50	570	55
16	1640	980	72±2	808	63	42	310	340	1525	750	60	475	50	570	55
17	1740	1110	81±2	860	60	42	340	374	1610	850	70	465	70	630	55
18	1860	1110	81±2	920	60	42	340	374	1730	850	70	525	70	630	55
19	請洽詢 / on request														
20															
21															
22															

型號 Size	輸出軸 / Output									潤滑油量 (L) [6] Oil quantity	重量 (kg) [7] Weight
	H2SV			H2HV		H2DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	120	1880
14	210	350	335	210	335	210	215	335	480	135	2430
15	230	410	380	230	380	230	235	380	550	185	3240
16	240	410	380	240	380	240	245	380	550	200	3465
17	250	410	415	250	415	250	260	415	600	265	4420
18	270	470	415	275	415	280	285	415	600	285	4870
19	請洽詢 / on request										
20											
21											
22											

尺寸單位為mm

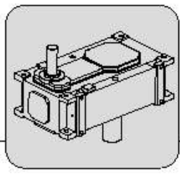
1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式G,H,I
3) 布置形式G, H, I僅適用於以下速比
型號13, 15, 17 : 速比6.3 - 16
型號14 : 速比8 - 20
型號16, 18 : 速比7.1 - 18
型號19, 20, 21, 22 : 請洽詢
4) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
5) 型號13和15，僅適用於速比6.3 - 18
型號17和19，僅適用於速比6.3 - 16
6) 油量為參考值，實際應以油尺量測為準
7) 重量為不含油

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Flanged-on pump not possible with G,H and I designs.
3) Design G, H, I only for
Size 13, 15, 17 : ratio 6.3 - 16
Size 14 : ratio 8 - 20
Size 16, 18 : ratio 7.1 - 18
Size 19, 20, 21, 22 : on request
4) Space for pump,pipes and cover, for exact dimension, please refer to us.
5) Size 13 and 15, only for ratio 6.3 - 18
Size 17 and 19, only for ratio 6.3 - 16
6) Approximate value
7) Without oil filling

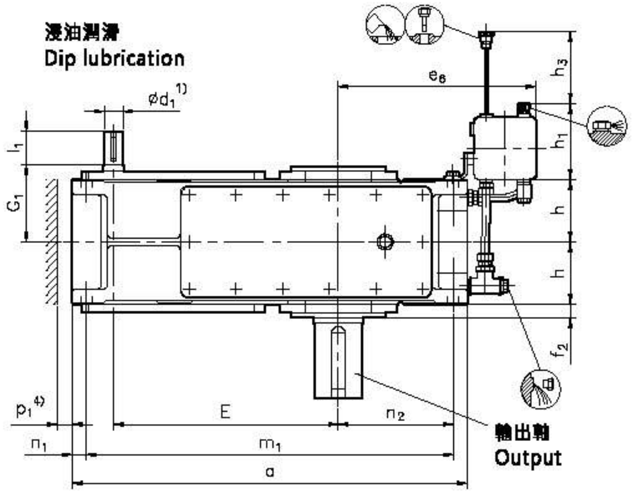


平行軸齒輪箱
兩級傳動 立式安裝
類型H3.V 型號5-12

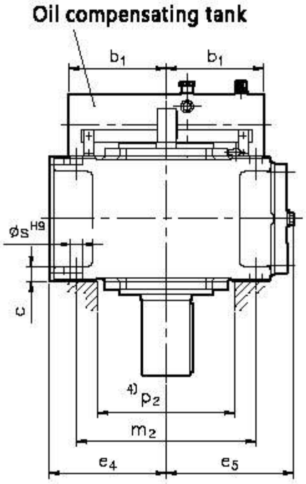
Helical Gear Units
Two Stage Vertical
Type H3.V Sizes 5-12

H3SV
H3HV
H3DV

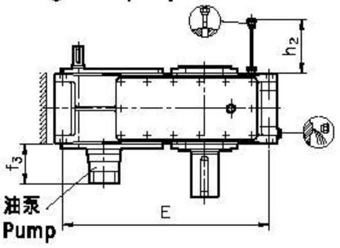
浸油潤滑
Dip lubrication

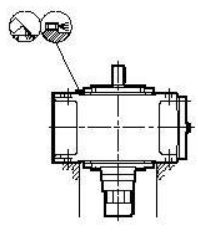


潤滑油補油箱
Oil compensating tank

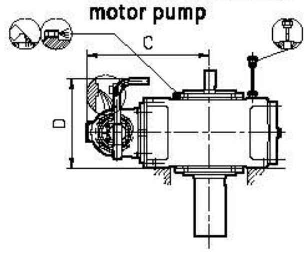


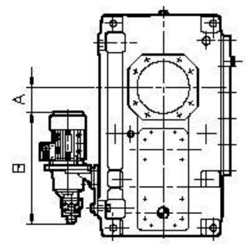
法蘭泵強制潤滑
Forced lubrication by flanged-on pump



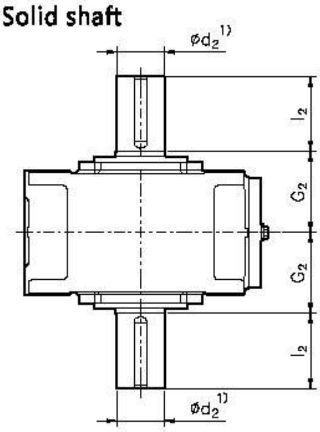


電動泵強制潤滑
Forced lubrication by motor pump

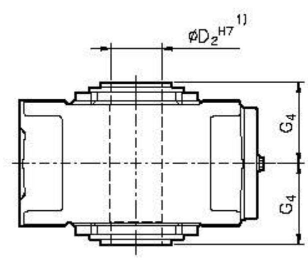




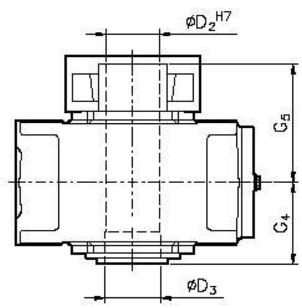
H3SV
實心軸
Solid shaft



H3HV
空心軸
Hollow shaft



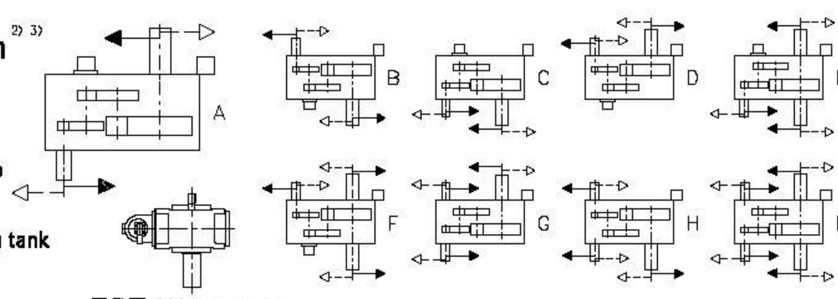
H3DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design 2) 3)

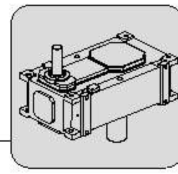
法蘭泵
Flanged-on pump

潤滑油補油箱
Oil compensating tank



平行軸齒輪箱
三級傳動　立式安裝
類型H3.V　型號5-12

Helical Gear Units
Three Stage　Vertical
Type H3.V　Sizes 5-12



型號 Size	輸入軸 / Input													油泵 Pump [2)]	電動泵 Motor pump			
	i_N =25–45		i_N =31.5–56		i_N =50–63		i_N =63–80		i_N =71–90		i_N =90–112							
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	f_3	A +)	B +)	C +)	D +)
5	40	70			30	50			24	40			160	190	−35	490	480	360
6			40	70			30	50			24	40	160	190	0	490	480	360
7	45	80			35	60			28	50			185	185	60	490	530	420
8			45	80			35	60			28	50	185	185	105	490	530	420
9	60	125			45	100			32	80			230	170	−5	490	570	480
10			60	125			45	100			32	80	230	170	45	490	570	480
11	70	120			50	80			42	70			255	170	80	490	630	550
12			70	120			50	80			42	70	255	170	150	490	630	550

型號 Size	齒輪箱 / Gear units																	
	a	b_1	c	e_4	e_5	e_6	E	f_2	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_1	p_2	s
5	690	240	30±1	230	252	385	405	28	127.5	205	190	240	630	360	30	175	35	270	24
6	770	240	30±1	230	252	425	440	28	127.5	205	190	240	710	360	30	220	35	270	24
7	845	240	36±1	280	292	425	495	30	150	205	165	250	775	430	35	215	35	330	28
8	950	240	36±1	280	302	485	540	32	185	205	165	250	880	430	35	275	35	330	28
9	1000	330	45±1.5	320	342	560	580	32	185	275	205	330	920	490	40	260	40	370	36
10	1100	330	45±1.5	320	342	610	630	32	185	275	205	330	1020	490	40	310	40	370	36
11	1200	330	54±1.5	380	402	595	705	35	215	275	240	340	1100	600	50	295	50	440	40
12	1355	330	54±1.5	380	410	680	775	35	215	275	240	340	1255	600	50	380	50	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L) [5)] Oil quantity		重量 (kg) [6)] Weight
	H2SV			H2HV		H2DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
5	100	210	165	95	165	100	100	165	240	36	24	320
6	110	210	165	105	165	110	110	165	240	40	27	365
7	120	210	195	115	195	120	120	195	280	64	42	540
8	130	250	195	125	195	130	130	195	285	70	47	625
9	140	250	235	135	235	140	145	235	330	110	73	875
10	160	300	235	150	235	150	155	235	350	120	80	1020
11	170	300	270	165	270	165	170	270	400	190	110	1400
12	180	300	270	180	270	180	185	270	405	205	120	1675

尺寸單位為mm

1) 軸
- k_6=Ø24; m_6≤Ø100; n_6>Ø100
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式G,H,I
3) 布置形式G, H, I僅適用於以下速比
型號5, 7, 9, 11 : 速比25 - 90
型號6, 8, 10, 12 : 速比31.5 - 112
4) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

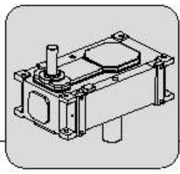
+) 最大尺寸

Dimensions in mm

1) Shafts
- k_6=Ø24; m_6≤Ø100; n_6>Ø100
- For details, see page 57

2) Flanged-on pump not possible with G,H and I designs.
3) Design G, H, I only for
Size 5, 7, 9, 11 : ratio 25 - 90
Size 6, 8, 10, 12 : ratio 31.5 - 112
4) Space for pump,pipes and cover, for exact dimension, please refer to us.
5) Approximate value
6) Without oil filling

+) Max. dimensions



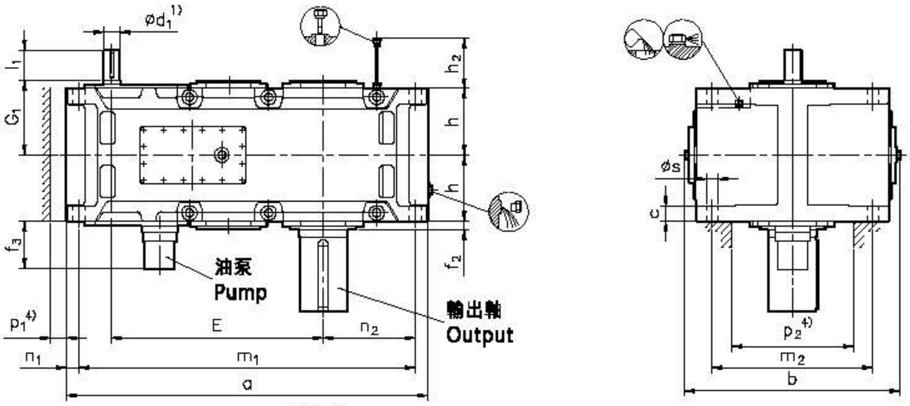
平行軸齒輪箱 Helical Gear Units

兩級傳動 立式安裝
Two Stage Vertical

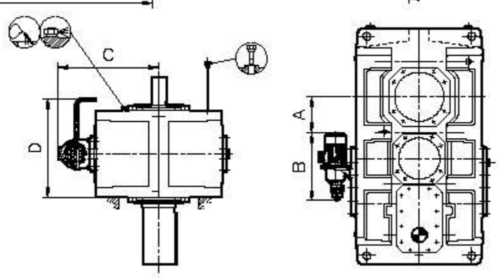
類型H3.V 型號13-22
Type H3.V Sizes 13-22

H3SV
H3HV
H3DV

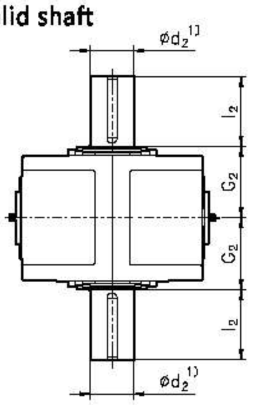
法蘭泵強制潤滑
Forced lubrication by flanged-on pump



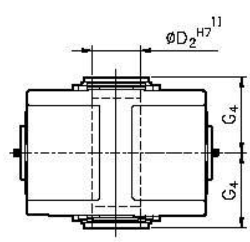
電動泵強制潤滑
Forced lubrication by motor pump



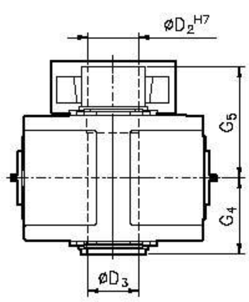
H3SV
實心軸
Solid shaft



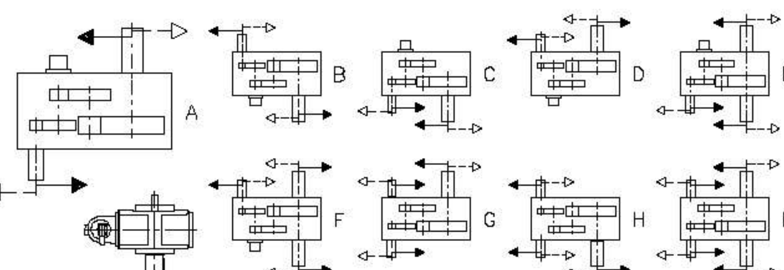
H3HV
空心軸
Hollow shaft



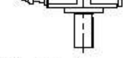
H3DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design 2) 3)



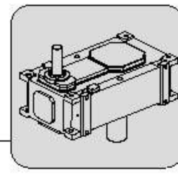
法蘭泵
Flanged-on pump



電動泵 / Motor pump

平行軸齒輪箱
三級傳動　　立式安裝
類型H3.V　　型號13-22

Helical Gear Units
Three Stage　　Vertical
Type H3.V　　Sizes 13-22



型號 Size	輸入軸 / Input																			油泵[2] Pump
	i_N=22.4–45		i_N=25–50		i_N=28–56		i_N=50–63		i_N=56–71		i_N=63–80		i_N=71–90		i_N=80–100		i_N=90–112			
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	f_3
13	85	160					60	135					50	110					310	170
14					85	160					60	135					50	110	310	170
15	100	200					75	140					60	140					350	170
16			100	200					75	140					60	140			350	170
17	100	200					75	140					60	140					380	210
18			100	200					75	140					60	140			380	210
19	請洽詢 / on request																			
20																				
21																				
22																				

型號 Size	齒輪箱 / Gear units														電動泵 / Motor pump			
	a	b	c	E	f_2	h	h_2	m_1	m_2	n_1	n_2	p_1	p_2	s	A+)	B+)	C+)	D+)
13	1395	900	61±2	820	35	272.5	300	1300	680	50	360	50	500	48	115	580	685	700
14	1535	900	61±2	890	35	272.5	300	1440	680	50	430	50	500	48	185	580	685	700
15	1680	980	72±2	987	42	310	340	1565	750	60	430	50	570	55	260	580	730	780
16	1770	980	72±2	1033	42	310	340	1655	750	60	475	50	570	55	305	580	730	780
17	1770	1110	81±2	1035	42	340	374	1640	850	70	465	70	630	55	235	580	790	840
18	1890	1110	81±2	1095	42	340	374	1760	850	70	525	70	630	55	295	580	790	840
19	請洽詢 / on request																	
20																		
21																		
22																		

型號 Size	輸出軸 / Output									潤滑油量 (L)[5] Oil quantity	重量 (kg)[6] Weight
	H3SV			H3HV		H3DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	160	2155
14	210	350	335	210	335	210	215	335	480	180	2490
15	230	410	380	230	380	230	235	380	550	255	3260
16	240	410	380	240	380	240	245	380	550	260	3625
17	250	410	415	250	415	250	260	415	600	325	4250
18	270	470	415	275	415	280	285	415	600	335	4740
19	請洽詢 / on request										
20											
21											
22											

尺寸單位為mm

1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式G,H,I
3) 布置形式G, H, I僅適用於以下速比
型號13, 15, 17 : 速比22.4 - 90
型號14 : 速比28 - 112
型號16, 18 : 速比25 - 100
型號19, 20, 21, 22 : 請洽詢
4) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

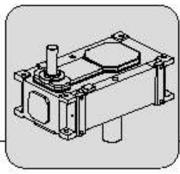
+) 最大尺寸

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Flanged-on pump not possible with G,H and I designs.
4) Design G, H, I only for
Size 13, 15, 17 : ratio 22.4 - 90
Size 14 : ratio 28 - 112
Size 16, 18 : ratio 25 - 100
Size 19, 20, 21, 22 : on request
5) Space for pump,pipes and cover, for exact dimension, please refer to us.
6) Approximate value
7) Without oil filling

+) Max. dimensions



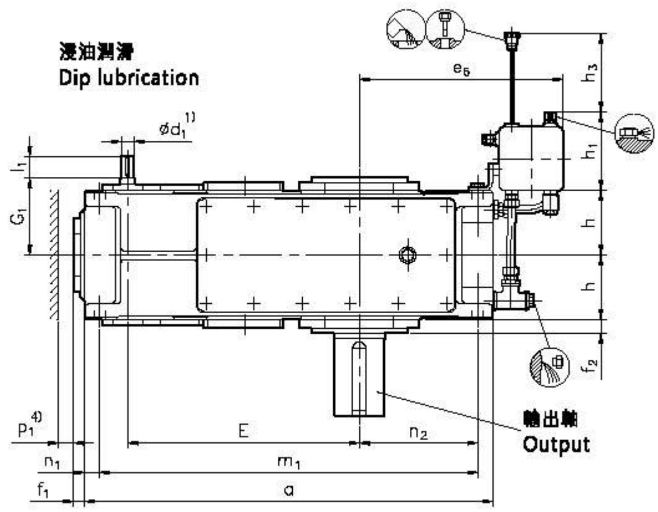
平行軸齒輪箱 Helical Gear Units

兩級傳動 立式安裝 Two Stage Vertical

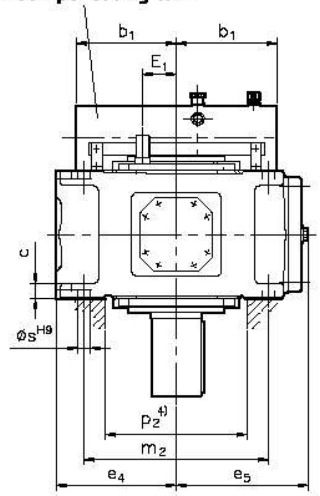
類型H4.V 型號7-12 Type H4.V Sizes 7-12

H4SV
H4HV
H4DV

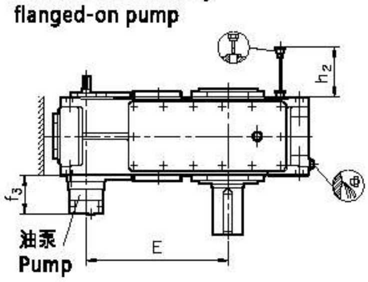
浸油潤滑
Dip lubrication

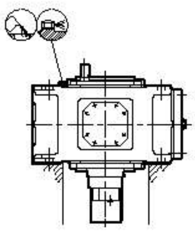


潤滑油補油箱
Oil compensating tank

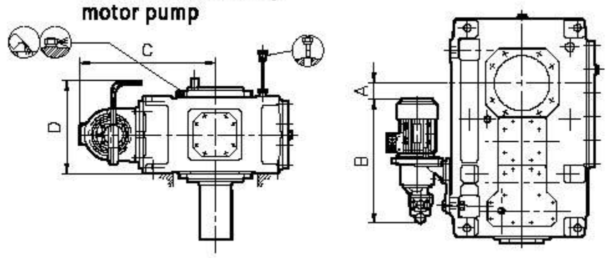


法蘭泵強制潤滑
Forced lubrication by flanged-on pump

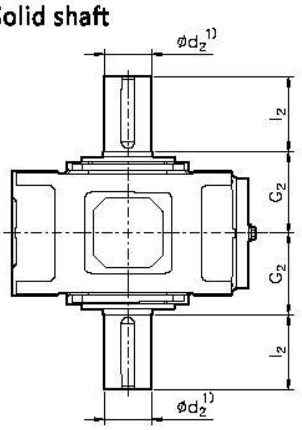




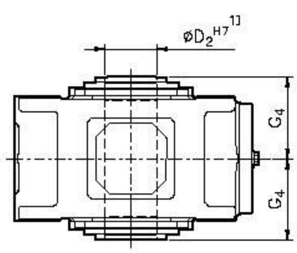
電動泵強制潤滑
Forced lubrication by motor pump



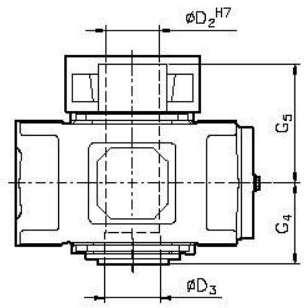
H4SV
實心軸
Solid shaft



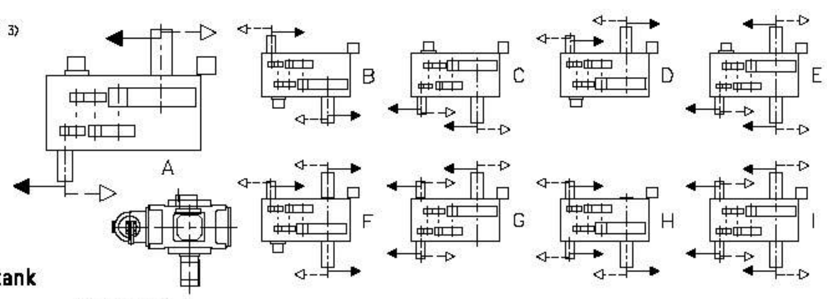
H4HV
空心軸
Hollow shaft



H4DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design 2) 3)



法蘭泵
Flanged-on pump

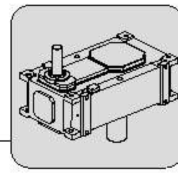
潤滑油補油箱
Oil compensating tank

電動泵 / Motor pump

平行軸齒輪箱 Helical Gear Units

四級傳動 立式安裝 / Four Stage Vertical

類型H4.V 型號7-12 / Type H4.V Sizes 7-12



型號 Size	輸入軸 / Input									油泵[2] Pump	電動泵 Motor pump			
	i_N =100−180		i_N =125−224		i_N =200−355		i_N =250−450							
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	f_3	$A^{+)}$	$B^{+)}$	$C^{+)}$	$D^{+)}$
7	30	50			24	40			180	160	10	580	540	410
8			30	50			24	40	180	160	55	580	540	410
9	35	60			28	50			215	170	−55	580	580	480
10			35	60			28	50	215	170	−5	580	580	480
11	45	100			32	80			250	170	30	580	640	550
12			45	100			32	80	250	170	100	580	640	550

型號 Size	齒輪箱 / Gear units																		
	a	b_1	c	e_4	e_5	e_6	E	f_1	f_2	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_1	p_2	s
7	845	240	36±1	280	292	425	495	37	30	150	205	165	250	775	430	35	215	35	330	28
8	950	240	36±1	280	302	485	540	37	32	150	205	165	250	880	430	35	275	35	330	28
9	1000	330	45±1.5	320	342	560	580	43	32	185	275	205	330	920	490	40	260	40	370	36
10	1100	330	45±1.5	320	342	610	630	43	32	185	275	205	330	1020	490	40	310	40	370	36
11	1200	330	54±1.5	380	402	595	705	47	35	215	275	240	340	1100	600	50	295	50	440	40
12	1355	330	54±1.5	380	410	680	775	47	35	215	275	240	340	1255	600	50	380	50	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L)[5] Oil quantity		重量 (kg)[6] Weight
	H4SV			H4HV		H4DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
7	120	210	195	115	195	120	120	195	280	60	44	550
8	130	250	195	125	195	130	130	195	285	65	48	645
9	140	250	235	135	235	140	145	235	330	105	78	875
10	160	300	235	150	235	150	155	235	350	110	81	1010
11	170	300	270	165	270	165	170	270	400	175	113	1460
13	180	300	270	180	270	180	185	270	405	200	129	1725

尺寸單位為mm

1) 軸
- $k_6=\phi 24$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式G,H,I
3) 布置形式G, H, I僅適用於以下速比
型號7 : 速比100 - 224
型號9, 11 : 速比100 - 250
型號8 : 速比125 - 280
型號10, 12 : 速比125 - 315
4) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
5) 油量為參考值，實際應以油尺量測為準
6) 重量為不含油

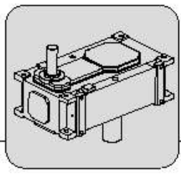
+) 最大尺寸

Dimensions in mm

1) Shafts
- $k_6=\phi 24$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

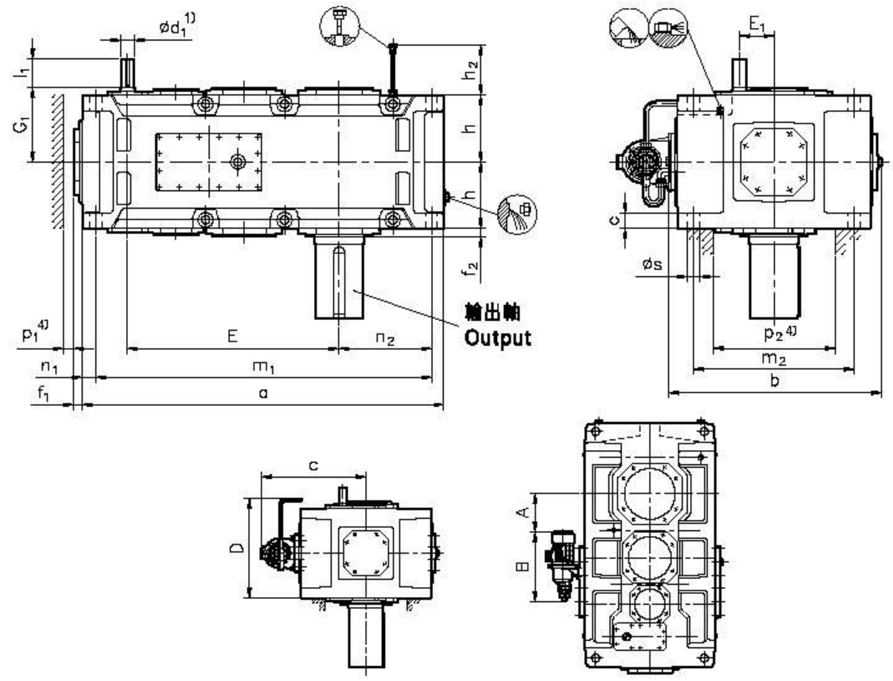
2) Flanged-on pump not possible with G,H and I designs.
3) Design G, H, I only for
Size 7 : ratio 100 - 224
Size 9, 11 : ratio 100 - 250
Size 8 : ratio 125 - 280
Size 10, 12 : ratio 125 - 315
4) Space for pump,pipes and cover, for exact dimension, please refer to us.
5) Approximate value
6) Without oil filling

+) Max. dimensions

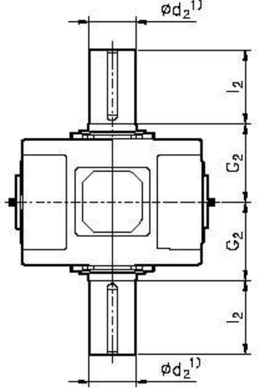


H4SV
H4HV
H4DV

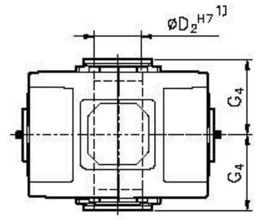
電動泵強制潤滑
Forced lubrication by motor pump



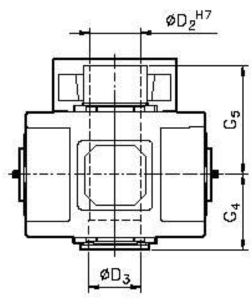
H4SV
實心軸
Solid shaft



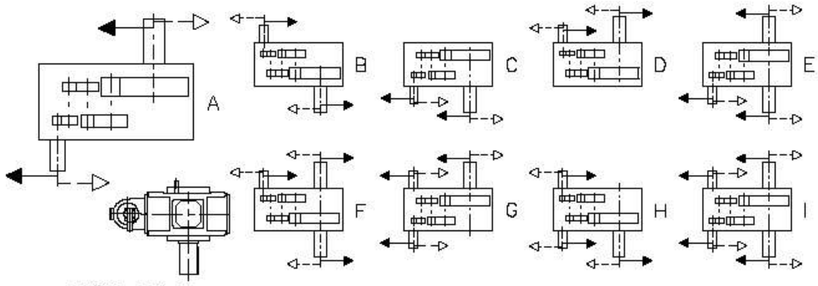
H4HV
空心軸
Hollow shaft



H4DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



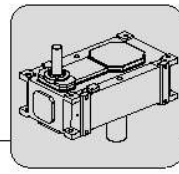
布置形式 Design 2)



電動泵 / Motor pump

平行軸齒輪箱
四級傳動　立式安裝
類型H4.V　型號13-22

Helical Gear Units
Four Stage　Vertical
Type H4.V　Sizes 13-22



型號 Size	輸入軸 / Input													電動泵 Motor pump			
	i_N =100−180		i_N =112−200		i_N =125−224		i_N =200−355		i_N =224−400		i_N =250−450						
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	A +)	B +)	C +)	D +)
13	50	100					38	80					305	70	580	690	705
14					50	100					38	80	305	140	580	690	705
15	60	135					50	110					345	210	580	730	780
16			60	135					50	110			345	260	580	730	780
17	60	105					50	80					380	190	580	790	840
18			60	105					50	80			380	250	580	790	840
19	請洽詢 / on request																
20																	
21																	
22																	

型號 Size	齒輪箱 / Gear units															
	a	b	c	E	E_1	f_1	f_2	h	h_2	m_1	m_2	n_1	n_2	p_1	p_2	s
13	1395	900	61±2	820	130	47	35	272.5	300	1300	360	50	360	50	500	48
14	1535	900	61±2	890	130	47	35	272.5	300	1440	430	50	430	50	500	48
15	1680	980	72±2	987	160	56	42	310	340	1565	430	60	430	60	570	55
16	1770	980	72±2	1033	160	56	42	310	340	1655	475	60	475	60	570	55
17	1770	1110	81± 2	1035	160	53	42	340	374	1640	465	70	465	70	630	55
18	1890	1110	81± 2	1095	160	53	42	340	374	1760	525	70	525	70	630	55
19	請洽詢 / on request															
20																
21																
22																

型號 Size	輸出軸 / Output									潤滑油量 (L) [4] Oil quantity	重量 (kg) [5] Weight
	H4SV			H4HV		H4DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	140	2270
14	210	350	335	210	335	210	215	335	480	160	2600
15	230	410	380	230	380	230	235	380	550	220	3440
16	240	410	380	240	380	240	245	380	550	230	3740
17	250	410	415	250	415	250	260	415	600	280	4445
18	270	470	415	275	415	280	285	415	600	300	4915
19	請洽詢 / on request										
20											
21											
22											

尺寸單位為mm

1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 布置形式G, H, I僅適用於以下速比
型號13, 15 : 速比100 - 250
型號14 : 速比125 - 315
型號16 : 速比112 - 280
3) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

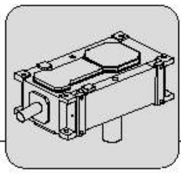
+) 最大尺寸

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Design G, H, I only for
Size 13, 15 : ratio 100 - 250
Size 14 : ratio 125 - 315
Size 16 : ratio 112 - 280
3) Space for pump,pipes and cover, for exact dimension, please refer to us.
4) Approximate value
5) Without oil filling

+) Max. dimensions

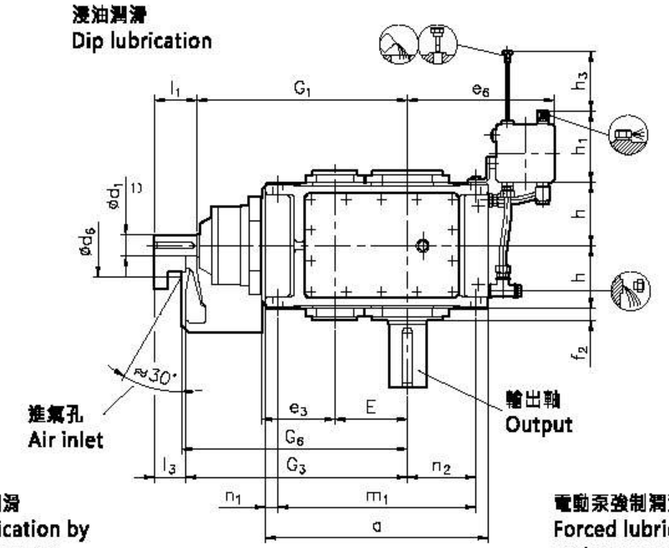


平行軸齒輪箱
兩級傳動　立式安裝
類型B2.V　型號4-12

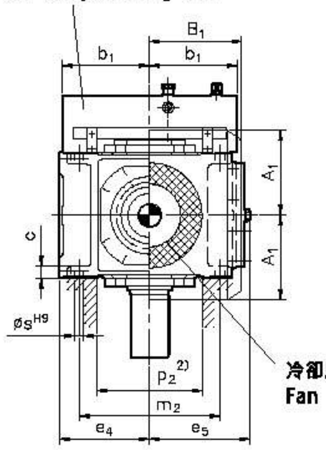
Helical Gear Units
Two Stage　Vertical
Type B2.V　Sizes 4-12

B2SV
B2HV
B2DV

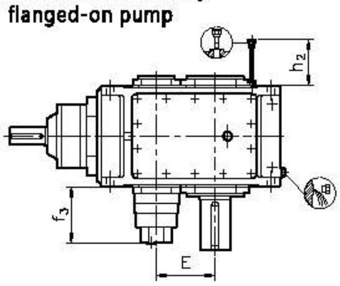
浸油潤滑
Dip lubrication

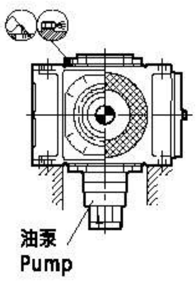


潤滑油補油箱
Oil compensating tank

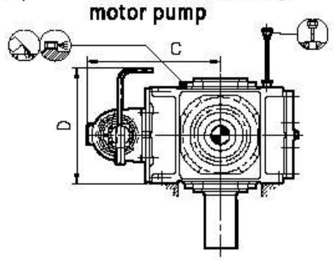


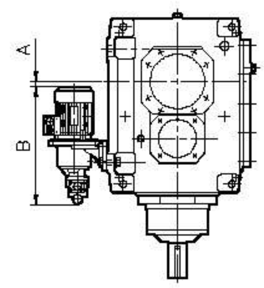
法蘭泵強制潤滑
Forced lubrication by flanged-on pump



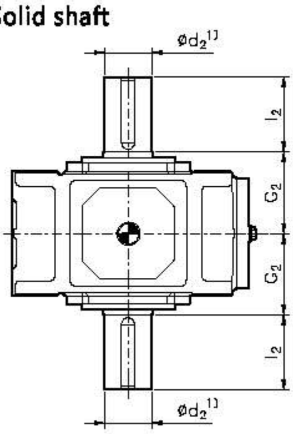


電動泵強制潤滑
Forced lubrication by motor pump

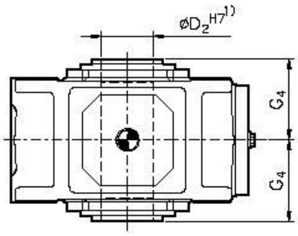




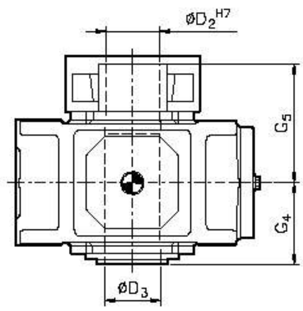
B2SV
實心軸
Solid shaft



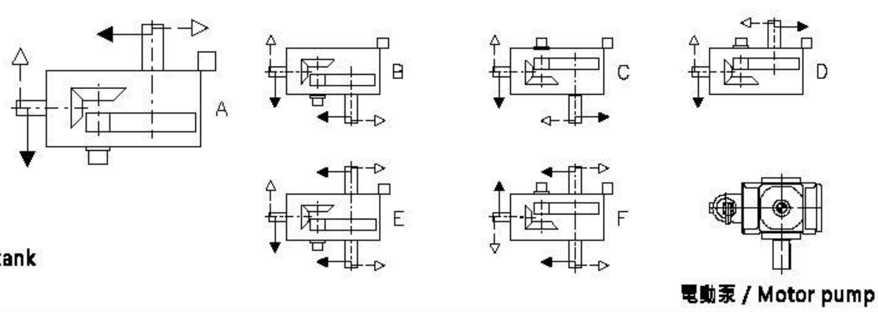
B2HV
空心軸
Hollow shaft



B2DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design

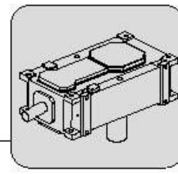


法蘭泵
Flanged-on pump

潤滑油補油箱
Oil compensating tank

直交軸齒輪箱
兩級傳動　　立式安裝
類型B2.V　　型號4-12

Bevel-helical Gear Units
Two Stage　　Vertical
Type B2.V　　Sizes 4-12



型號 Size	輸入軸 / Input								油泵[2] Pump	電動泵 Motor pump			
	i_N = 5 – 11.2			i_N = 6 – 14									
	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	f_3	A +)	B +)	C +)	D +)
4	45	100	80				465	485	–	–	–	–	–
5	55	110	80				535	565	190	−130	490	480	420
6				55	110	80	570	600	190	−90	490	480	420
7	70	135	105				640	670	200	0	490	530	470
8				70	135	105	685	715	200	45	490	530	470
9	80	165	130				755	790	200	5	490	570	530
10				80	165	130	805	840	200	55	490	570	530
11	90	165	130				925	960	200	145	489	630	630
12				90	165	130	995	1030	200	215	490	630	630

型號 Size	齒輪箱 / Gear units																		
	a	b_1	c	e_3	e_4	e_5	e_6	E	f_2	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_2	s
4	505	150	30±1	100	200	215	320	160	26	135	165	–	180	445	300	30	160	220	24
5	565	240	30±1	185	230	252	385	185	30	160	205	245	240	505	360	30	175	270	24
6	645	240	30±1	185	230	252	425	220	30	160	205	245	240	585	360	30	220	270	24
7	690	240	36±1	225	280	302	425	225	32	190	205	220	250	620	430	35	215	330	28
8	795	240	36±1	225	280	302	485	270	32	190	205	220	250	725	430	35	275	330	28
9	820	330	45±1.5	265	320	342	560	265	45	220	275	250	330	740	490	40	260	370	36
10	920	330	45±1.5	265	320	342	610	315	45	220	275	250	330	840	490	40	310	370	36
11	975	330	54±1.5	320	380	410	595	320	47	265	275	300	340	875	600	50	295	440	40
12	1130	330	54±1.5	320	380	410	680	390	47	265	275	300	340	1030	600	50	380	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L)[3] Oil quantity		重量 (kg)[4] Weight
	B2SV			B2HV		B2DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
4	80	170	170	80	170	85	85	170	235	23.5	–	235
5	100	210	200	95	200	100	100	200	275	38	19	360
6	110	210	200	105	200	110	110	200	275	46	23	410
7	120	210	235	115	235	120	120	235	320	74	37	615
8	130	250	235	125	235	130	130	235	325	81	40	700
9	140	250	270	135	270	140	145	270	365	115	57	1000
10	160	300	270	150	270	150	155	270	385	120	60	1155
11	170	300	320	165	320	165	170	320	450	190	95	1640
12	180	300	320	180	320	180	185	320	455	225	114	1910

尺寸單位為mm

1) 軸
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- 相關細節參考第57頁

2) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

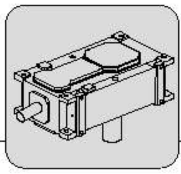
+) 最大尺寸

Dimensions in mm

1) Shafts
- $m_6 \leq \varnothing 100$; $n_6 > \varnothing 100$
- For details, see page 57

2) Space for pump,pipes and cover, for exact dimension, please refer to us.
3) Approximate value
4) Without oil filling

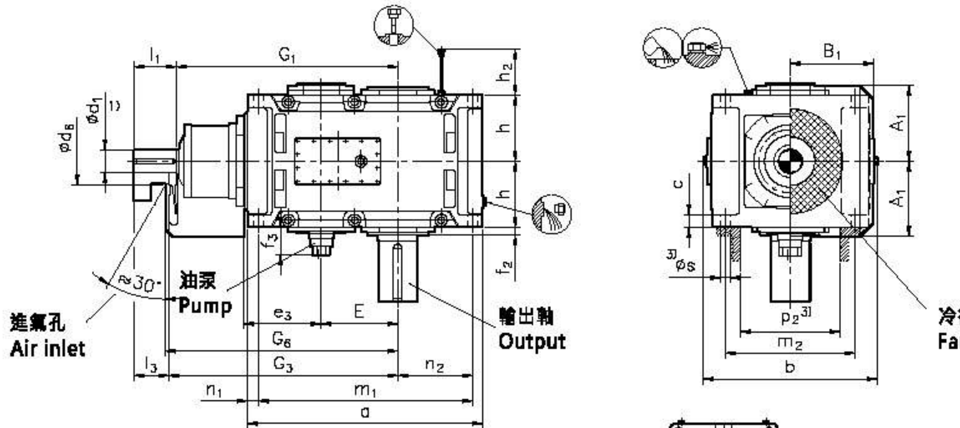
+) Max. dimensions



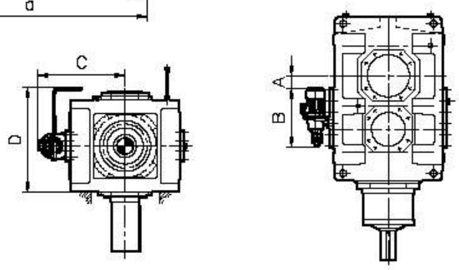
平行軸齒輪箱 Helical Gear Units
兩級傳動 立式安裝 Two Stage Vertical
類型B2.V 型號13-18 Type B2.V Sizes 13-18

B2SV
B2HV
B2DV

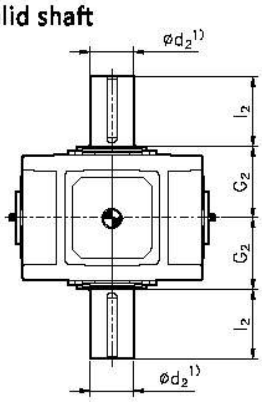
法蘭泵強制潤滑
Forced lubrication by flanged-on pump



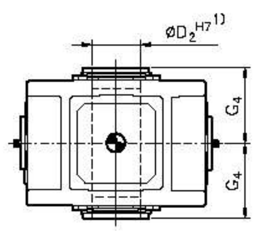
電動泵強制潤滑
Forced lubrication by motor pump



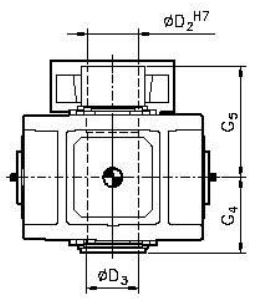
B2SV
實心軸
Solid shaft



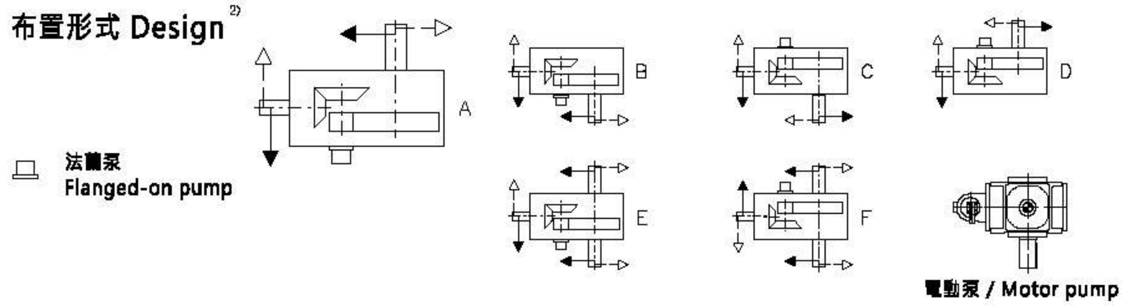
B2HV
空心軸
Hollow shaft



B2DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



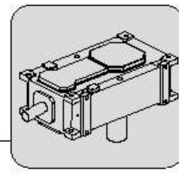
布置形式 Design 2)



法蘭泵
Flanged-on pump

直交軸齒輪箱 兩級傳動 立式安裝 類型B2.V 型號13-18

Bevel-helical Gear Units Two Stage Vertical Type B2.V Sizes 13-18



型號 Size	輸入軸 / Input																	油泵 Pump [2]
	i_N = 5 − 11.2			i_N = 6.3 − 14			i_N = 7.1 − 12.5			i_N = 5.6 − 11.2			i_N = 5.6 − 12.5					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	f_3
13	110	205	165													1070	1110	200
14				110	205	165										1140	1180	200
15	130	245	200													1277	1322	200
16													130	245	200	1323	1368	200
17										150	245	200				1435	1480	200
18							150	245	200							1495	1540	200

型號 Size	齒輪箱 / Gear units														電動泵 / Motor pump			
	a	b_1	c	e_3	E	f_2	G_6	h	h_2	m_1	m_2	n_1	n_2	p_2	s	A +)	B +)	C +)	D +)
13	1130	900	61±2	370	370	38	1130	325	350	1035	680	50	360	500	48	−110	490	680	810
14	1270	900	61±2	370	440	45	1200	325	350	1175	680	50	430	500	48	−40	490	680	810
15	1350	980	72±2	442	442	75	1340	380	430	1235	750	60	430	570	55	0	490	730	920
16	1440	980	72±2	442	488	75	1385	380	430	1325	750	60	475	570	55	45	490	730	920
17	1490	1110	81±2	490	490	98	1500	437.5	480	1360	840	70	465	630	65	−20	490	780	1030
18	1610	1110	81±2	490	550	98	1560	437.5	480	1480	840	70	525	630	65	40	490	780	1030

型號 Size	輸出軸 / Output									潤滑油量 (L) Oil quantity [4]	重量 (kg) Weight [5]
	B2SV			B2HV		B2DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	390	–	–	–	–	–	–	140	235
14	210	350	390	210	390	210	215	390	535	160	360
15	230	410	460	–	–	–	–	–	–	220	410
16	240	410	460	240	450	240	245	450	620	230	615
17	250	410	540	–	–	–	–	–	–	280	700
18	270	470	540	275	510	280	285	510	700	300	1910

尺寸單位為mm

1) 軸
- n_6>ø100
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式C, D, E
3) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

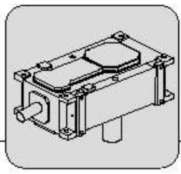
+) 最大尺寸

Dimensions in mm

1) Shafts
- n_6>ø100
- For details, see page 57

2) Flanged-on pump not possible with C, D and E designs.
3) Space for pump,pipes and cover, for exact dimension, please refer to us.
4) Approximate value
5) Without oil filling

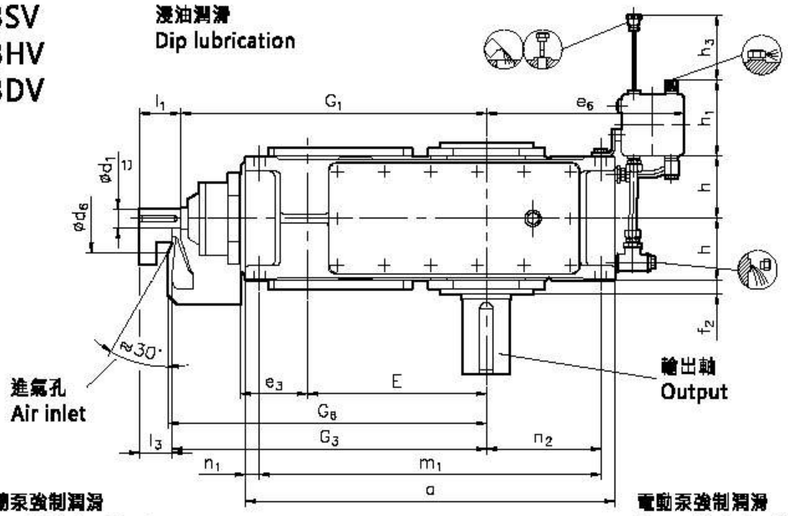
+) Max. dimensions

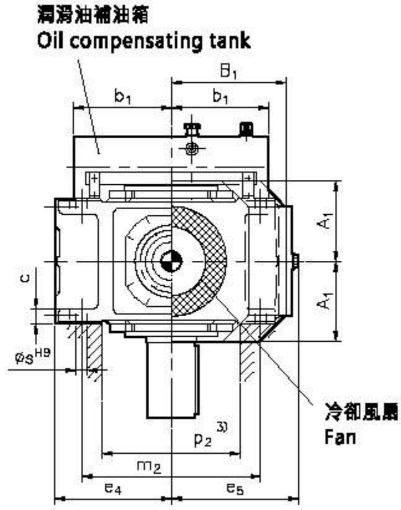


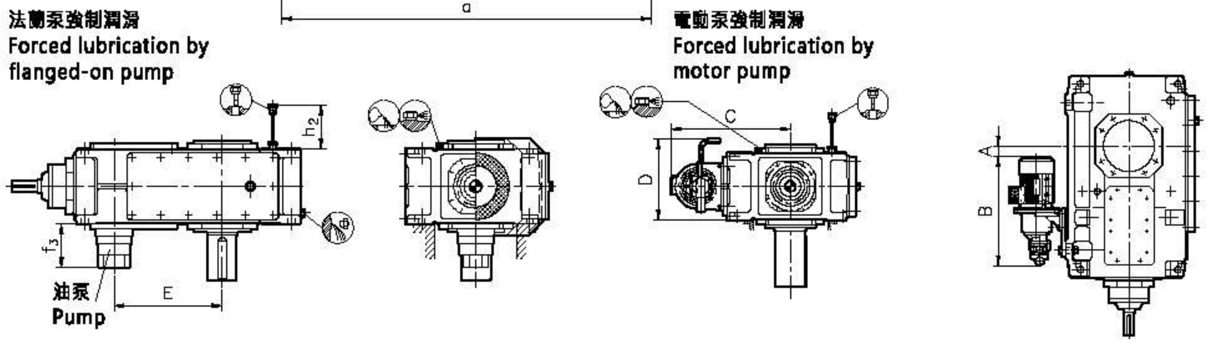
平行軸齒輪箱
三級傳動 立式安裝
類型B3.V 型號4-12

Helical Gear Units
Three Stage Vertical
Type B3.V Sizes 4-12

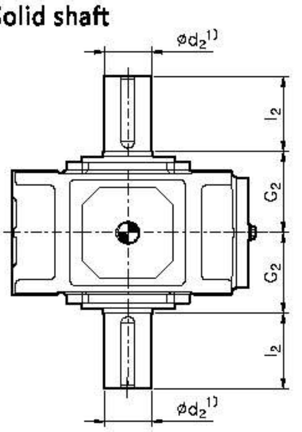
B3SV
B3HV
B3DV



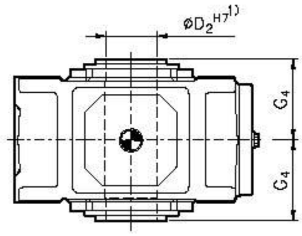




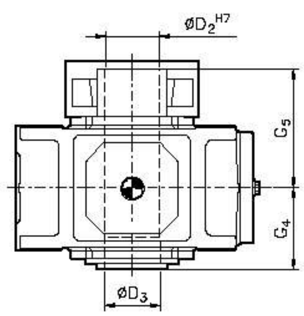
B3SV
實心軸
Solid shaft



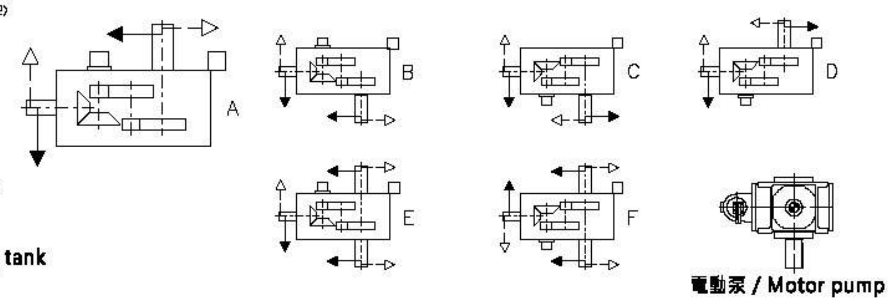
B3HV
空心軸
Hollow shaft



B3DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



布置形式 Design [2]

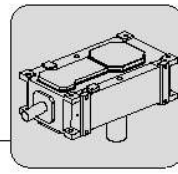


法蘭泵
Flanged-on pump

潤滑油補油箱
Oil compensating tank

直交軸齒輪箱
三級傳動　立式安裝
類型B3.V　型號4-12

Bevel-helical Gear Units
Three Stage　Vertical
Type B3.V　Sizes 4-12



型號 Size	輸入軸 / Input														油泵[2] Pump	電動泵 Motor pump			
	i_N = 12.5 – 45			i_N = 16 – 56			i_N = 50 – 71			i_N = 63 – 90									
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	f_3	A+)	B+)	C+)	D+)
4	30	70	50				25	60	40				500	520	–	–	–	–	–
5	35	80	60				28	60	40				575	595	190	−85	490	480	390
6				35	80	60				28	60	40	610	630	190	−50	490	480	390
7	45	100	80				35	80	60				690	710	190	0	490	530	420
8				45	100	80				35	80	60	735	755	190	45	490	530	420
9	55	110	80				40	100	70				800	830	180	−80	490	570	490
10				55	110	80				40	100	70	850	880	180	−30	490	570	490
11	70	135	105				50	110	80				960	990	180	−15	490	630	570
12				70	135	105				50	110	80	1030	1060	180	55	490	630	570

型號 Size	齒輪箱 / Gear units																			
	a	b_1	c	e_3	e_4	e_5	e_6	E	f_2	G_6	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_2	s
4	565	150	30±1	110	200	215	320	270	22	530	107.5	165	–	180	505	300	30	160	220	24
5	640	240	30±1	130	230	252	385	315	28	605	127.5	205	180	240	580	360	30	175	270	24
6	720	240	30±1	130	230	252	425	350	28	640	127.5	205	180	240	660	360	30	220	270	24
7	785	240	36±1	160	280	292	425	385	30	720	150	205	165	250	715	430	35	215	330	28
8	890	240	36±1	160	280	302	485	430	32	765	150	205	165	250	820	430	35	275	330	28
9	925	330	45±1.5	185	320	342	560	450	32	845	185	275	205	330	845	490	40	260	370	36
10	1025	330	45±1.5	185	320	342	610	500	32	895	185	275	205	330	945	490	40	310	370	36
11	1105	330	54±1.5	225	380	402	595	545	35	1010	215	275	240	340	1005	600	50	295	440	40
12	1260	330	54±1.5	225	380	410	680	615	35	1080	215	275	240	340	1160	600	50	380	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L)[4] Oil quantity		重量 (kg)[5] Weight
	B3SV			B3HV		B3DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
4	80	170	140	80	140	85	85	140	205	20	–	210
5	100	210	165	95	165	100	100	165	240	34	17	325
6	110	210	165	105	165	110	110	165	240	36	18	380
7	120	210	195	115	195	120	120	195	280	60	30	550
8	130	250	195	125	195	130	130	195	285	68	34	635
9	140	250	235	135	235	140	145	235	330	96	48	890
10	160	300	235	150	235	150	155	235	350	105	52	1020
11	170	300	270	165	270	165	170	270	400	155	77	1455
12	180	300	270	180	270	180	185	270	405	175	87	1730

尺寸單位為mm

1) 軸
- $k_6=\phi25$; $m_6\leq\phi100$; $n_6>\phi100$
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式A, B, E
3) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

+) 最大尺寸

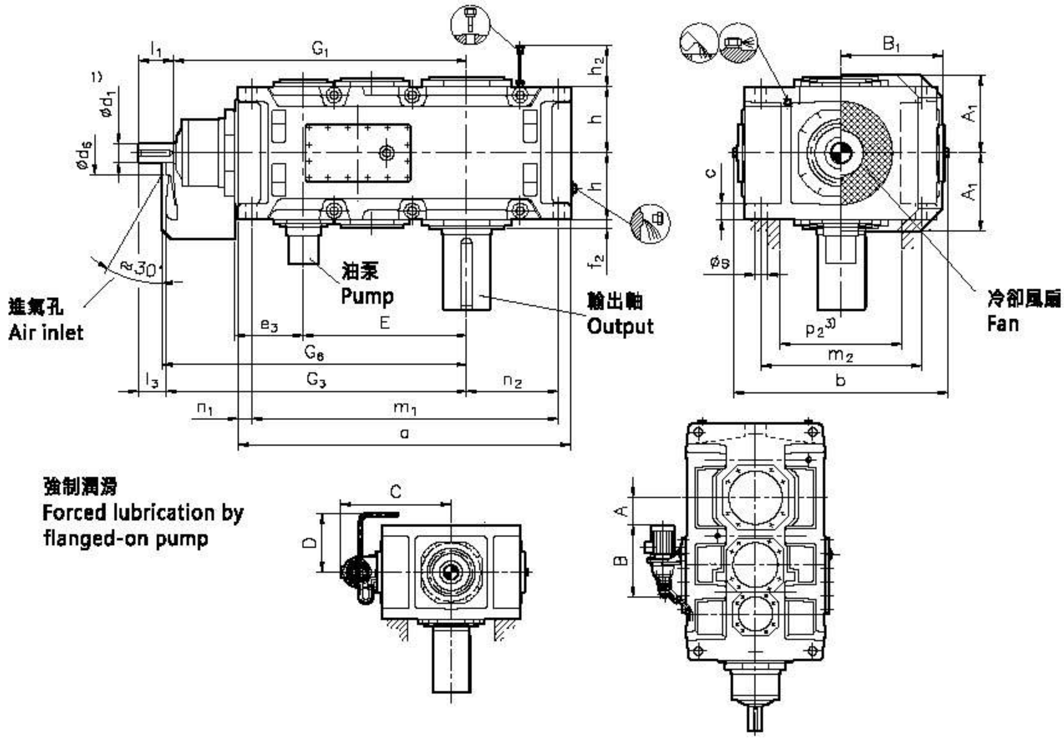
Dimensions in mm

1) Shafts
- $k_6=\phi25$; $m_6\leq\phi100$; $n_6>\phi100$
- For details, see page 57

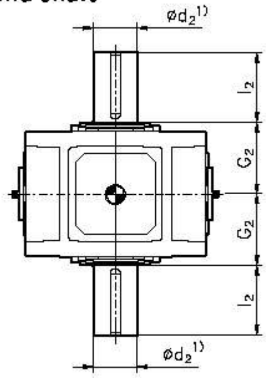
2) Flanged-on pump not possible with A,B and E designs.
3) Space for pump,pipes and cover, for exact dimension, please refer to us.
4) Approximate value
5) Without oil filling

+) Max. dimensions

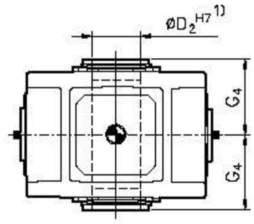
B3SV
B3HV
B3DV



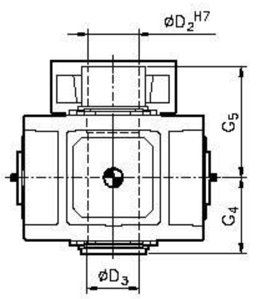
B3SV
實心軸
Solid shaft



B3HV
空心軸
Hollow shaft

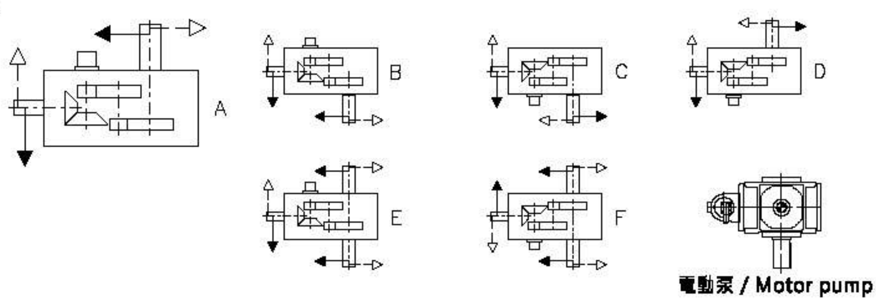


B3DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk



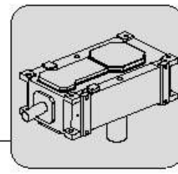
布置形式 Design[2]

法蘭泵
Flanged-on pump



直交軸齒輪箱
三級傳動　立式安裝
類型B3.V　型號13-22

Bevel-helical Gear Units
Three Stage　Vertical
Type B3.V　Sizes 13-22



型號 Size	輸入軸 / Input																				油泵 Pump [2]
	i_N = 12.5 – 45			i_N = 14 – 50			i_N = 16 – 56			i_N = 50 – 71			i_N = 56 – 80			i_N = 63 – 90					
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	G_1	G_3	f_3
13	80	165	130							60	140	105							1125	1160	170
14							80	165	130							60	140	105	1195	1230	170
15	90	165	130							70	140	105							1367	1402	170
16				90	165	130							70	140	105				1413	1448	170
17	110	205	165							80	170	130							1560	1600	170
18				110	205	165							80	170	130				1620	1660	170
19	請洽詢 / on request																				
20																					
21																					
22																					

型號 Size	齒輪箱 / Gear units														電動泵 / Motor pump			
	a	b_1	c	e_3	E	f_2	G_6	h	h_2	m_1	m_2	n_1	n_2	p_2	s	A +)	B +)	C +)	D +)
13	1290	900	61±2	265	635	35	1180	272.5	300	1195	680	50	360	500	48	5	580	690	760
14	1430	900	61±2	265	705	35	1250	272.5	300	1335	680	50	430	500	48	75	580	690	760
15	1550	980	72±2	320	762	42	1420	310	340	1435	750	60	430	570	55	110	580	730	850
16	1640	980	72±2	320	808	42	1470	310	340	1525	750	60	475	570	55	160	580	730	850
17	1740	1110	81±2	370	860	42	1620	340	380	1610	850	70	465	630	55	160	580	790	930
18	1860	1110	81±2	370	920	42	1680	340	380	1730	850	70	525	630	55	220	580	790	930
19	請洽詢 / on request																		
20																			
21																			
22																			

型號 Size	輸出軸 / Output									潤滑油量 (L) Oil quantity [4]	重量 (kg) Weight [5]
	B3SV			B3HV		B3DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	350	335	190	335	190	195	335	480	115	2260
14	210	350	335	210	335	210	215	335	480	130	2615
15	230	410	380	230	380	230	235	380	550	180	3540
16	240	410	380	240	380	240	245	380	550	190	3765
17	250	410	415	250	415	250	260	415	600	260	4760
18	270	470	415	275	415	280	285	415	600	275	5240
19	請洽詢 / on request										
20											
21											
22											

尺寸單位為mm

1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 法蘭泵不適用於佈置形式A, B, E
3) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
4) 油量為參考值，實際應以油尺量測為準
5) 重量為不含油

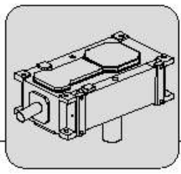
+) 最大尺寸

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Flanged-on pump not possible with A,B and E designs.
3) Space for pump,pipes and cover, for exact dimension, please refer to us.
4) Approximate value
5) Without oil filling

+) Max. dimensions



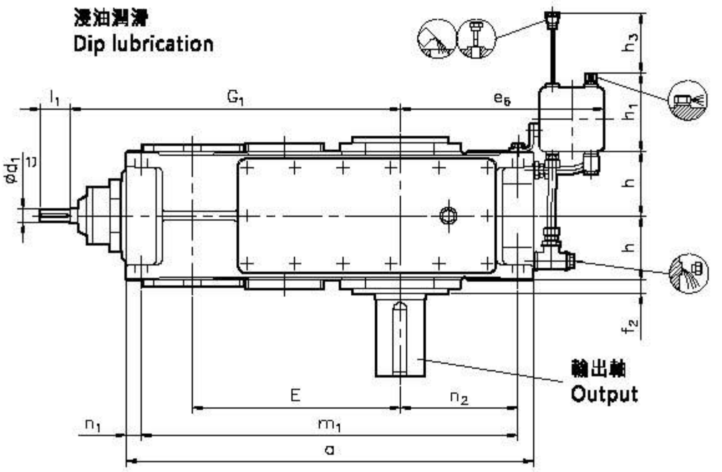
平行軸齒輪箱 Helical Gear Units

四級傳動 立式安裝 Four Stage Vertical

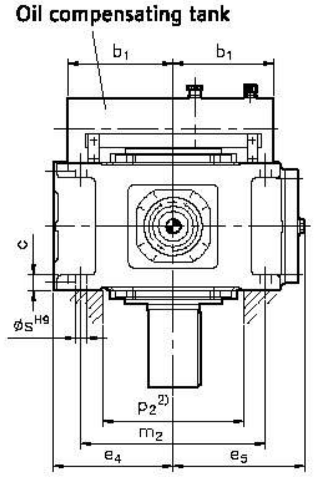
類型B4.V 型號5-12 Type B4.V Sizes 5-12

B4SV
B4HV
B4DV

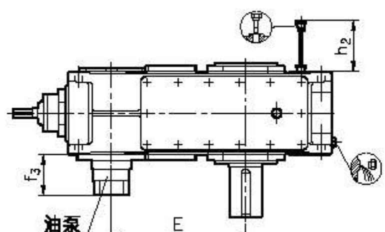
浸油潤滑
Dip lubrication



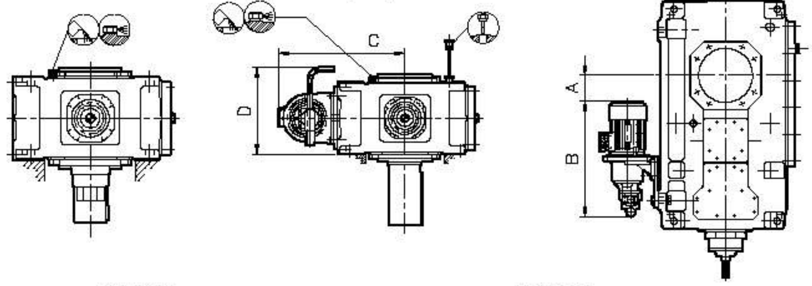
潤滑油補油箱
Oil compensating tank



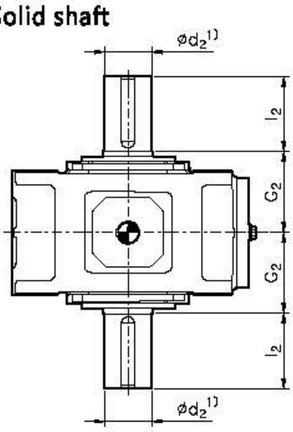
法蘭泵強制潤滑
Forced lubrication by flanged-on pump



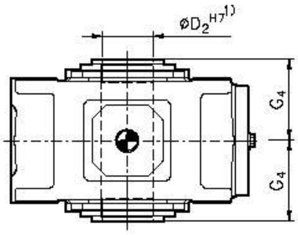
電動泵強制潤滑
Forced lubrication by motor pump



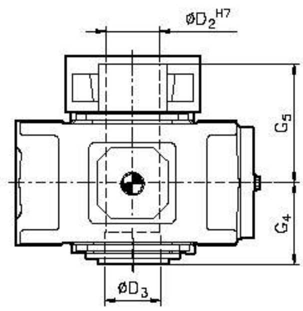
B4SV
實心軸
Solid shaft



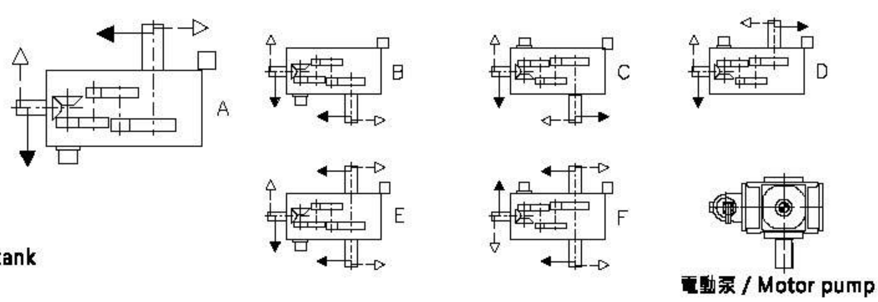
B4HV
空心軸
Hollow shaft



B4DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk

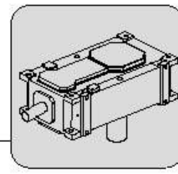


布置形式 Design



法蘭泵
Flanged-on pump

潤滑油補油箱
Oil compensating tank



型號 Size	輸入軸 / Input									油泵 Pump	電動泵 Motor pump			
	i_N =80–180		i_N =100–224		i_N =200–315		i_N =250–400							
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	f_3	A +)	B +)	C +)	D +)
5	28	55			20	50			615	200	−35	490	480	360
6			28	55			20	50	650	200	0	490	480	360
7	30	70			25	60			725	120	60	490	530	420
8			30	70			25	60	770	120	105	490	530	420
9	35	80			28	60			840	120	−5	490	570	480
10			35	80			28	60	890	120	45	490	570	480
11	45	100			35	80			1010	130	80	490	630	550
12			45	100			35	80	1080	130	150	490	630	550

型號 Size	齒輪箱 / Gear units																
	a	b_1	c_1	e_4	e_5	e_6	E	f_2	h	h_1	h_2	h_3	m_1	m_2	n_1	n_2	p_2	s
5	690	240	30±1	230	252	385	405	28	127.5	205	190	240	630	360	30	175	270	24
6	770	240	30±1	230	252	425	440	28	127.5	205	190	240	710	360	30	220	270	24
7	845	240	36±1	280	292	425	495	30	150	205	165	250	775	430	35	215	330	28
8	950	240	36±1	280	302	485	540	32	150	205	165	250	880	430	35	275	330	28
9	1000	330	45±1.5	320	342	560	580	32	185	275	205	330	920	490	40	260	370	36
10	1100	330	45±1.5	320	342	610	630	32	185	275	205	330	1020	490	40	310	370	36
11	1200	330	54±1.5	380	402	595	705	35	215	275	240	340	1100	600	50	295	440	40
12	1355	330	54±1.5	380	410	680	775	35	215	275	240	340	1255	600	50	380	440	40

型號 Size	輸出軸 / Output									潤滑油量 (L) 3) Oil quantity		重量 (kg) 4) Weight
	B4SV			B4HV		B4DV				浸油潤滑 Dip lubrication	強制潤滑 Forced lubrication	
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5			
5	100	210	165	95	165	100	100	165	240	36	18	335
6	110	210	165	105	165	110	110	165	240	40	20	385
7	120	210	195	115	195	120	120	195	280	65	32	555
8	130	250	195	125	195	130	130	195	285	73	36	655
9	140	250	235	135	235	140	145	235	330	105	52	890
10	160	300	235	150	235	150	155	235	350	110	55	1025
11	170	300	270	165	270	165	170	270	400	175	87	1485
12	180	300	270	180	270	180	185	270	405	200	100	1750

尺寸單位為mm

1) 軸
- $k_6 \leq \phi 25$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁

2) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

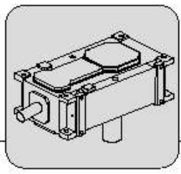
+) 最大尺寸

Dimensions in mm

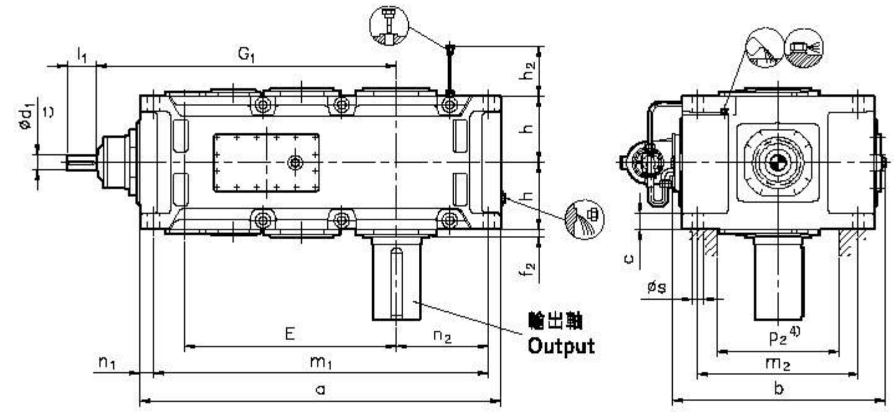
1) Shafts
- $k_6 \leq \phi 25$; $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57

2) Space for pump,pipes and cover, for exact dimension, please refer to us.
3) Approximate value
4) Without oil filling

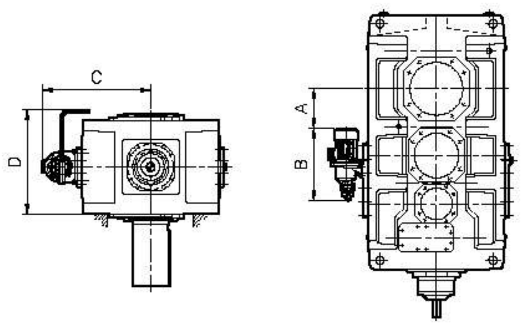
+) Max. dimensions



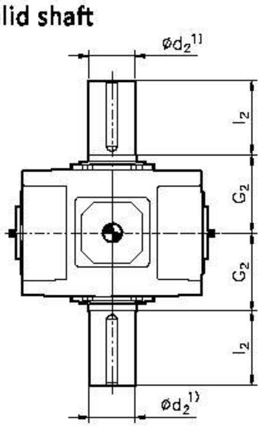
B4SV
B4HV
B4DV



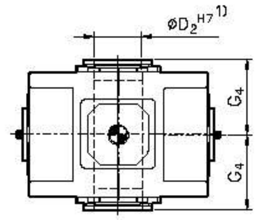
強制潤滑
Forced lubrication by flanged-on pump



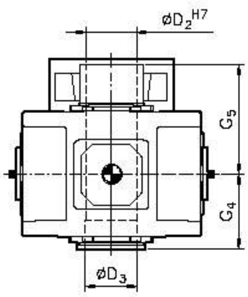
B4SV
實心軸
Solid shaft



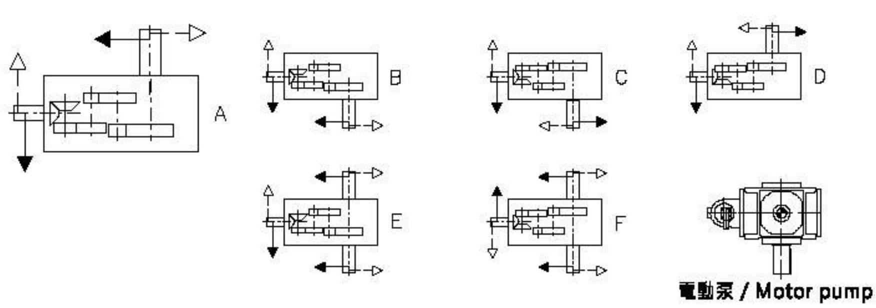
B4HV
空心軸
Hollow shaft



B4DV
帶縮緊盤的空心軸
Hollow shaft with shrink disk

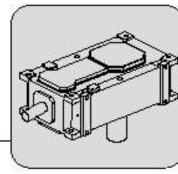


布置形式 Design



直交軸齒輪箱
四級傳動　立式安裝
類型B4.V　型號13-22

Bevel-helical Gear Units
Four Stage　Vertical
Type B4.V　Sizes 13-22



型號 Size	輸入軸 / Input													電動泵 Motor pump			
	i_N =80–180		i_N =90–200		i_N =100–224		i_N =200–315		i_N =224–355		i_N =250–400						
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	G_1	A +)	B +)	C +)	D +)
13	55	110					40	100					1170	70	580	690	705
14					55	110					40	100	1240	140	580	690	705
15	70	135					50	110					1402	210	580	730	780
16			70	135					50	110			1448	260	580	730	780
17	70	135					50	110					1450	190	580	790	810
18			70	135					50	110			1510	250	580	790	810
19	請洽詢 / on request																
20																	
21																	
22																	

型號 Size	齒輪箱 / Gear units												
	a	b	c	E	f_2	h	h_2	m_1	m_2	n_1	n_2	p_2	s
13	1395	900	61±2	820	35	272.5	300	1300	680	50	360	500	48
14	1535	900	61±2	890	35	272.5	300	1440	680	50	430	500	48
15	1680	980	72±2	987	42	310	340	1565	750	60	430	570	55
16	1770	980	72±2	1033	42	310	340	1655	750	60	475	570	55
17	1770	1110	81±2	1035	42	340	374	1640	850	70	465	630	55
18	1890	1110	81±2	1095	42	340	374	1760	850	70	525	630	55
19	請洽詢 / on request												
20													
21													
22													

型號 Size	輸出軸 / Output									潤滑油量 (L) 3) Oil quantity	重量 (kg) 4) Weight
	B4SV			B4HV		B4DV					
	d_2	l_2	G_2	D_2	G_4	D_2	D_3	G_4	G_5		
13	200	335	350	190	335	190	195	335	480	135	2280
14	210	335	350	210	335	210	215	335	480	150	2605
15	230	380	410	230	380	230	235	380	550	210	3435
16	240	380	410	240	380	240	245	380	550	220	3765
17	250	415	410	250	415	250	260	415	600	270	4460
18	270	415	470	275	415	280	285	415	600	285	4930
19	請洽詢 / on request										
20											
21											
22											

尺寸單位為mm

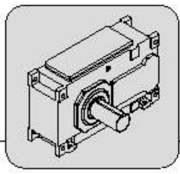
1) 軸
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- 相關細節參考第57頁
2) 油泵,油管和護蓋的安裝空間及確切尺寸，請與我們聯繫
3) 油量為參考值，實際應以油尺量測為準
4) 重量為不含油

+) 最大尺寸

Dimensions in mm

1) Shafts
- $m_6 \leq \phi 100$; $n_6 > \phi 100$
- For details, see page 57
2) Space for pump,pipes and cover, for exact dimension, please refer to us.
3) Approximate value
4) Without oil filling

+) Max. dimensions

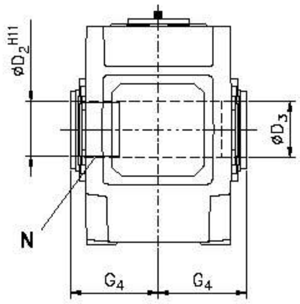


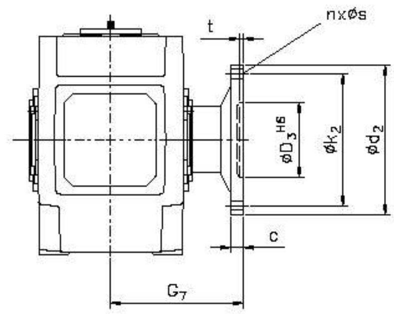
齒輪箱
臥式安裝　　立式安裝
出力軸型式

Gear Units
Horizontal　　Vertical
Output Shaft

H.KH, H.KV, B.KH, B.KV
帶花鍵的空心軸
Hollow shaft with involute splines acc. to DIN 5480

H.FH, H.FV, B.FH, B.FV
法蘭軸
Flanged shaft





型號 Size	H2K. ,H3K. ,H4K. ,B3K. ,B4K.				H2F. ,H3F. ,H4F. ,B3F. ,B4F.						
	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	n x s	t	G_7
5	N 95x3x30x30x 9H	89	100	165	25	300	150	260	16x22	10	255
6	N 95x3x30x30x 9H	89	110	165	25	320	160	280	18x22	10	255
7	N 120x3x30x38x9H	114	120	195	30	370	180	320	16x26	10	300
8	N 120x3x30x38x9H	114	130	195	30	390	190	340	18x26	10	300
9	N 140x3x30x45x9H	134	145	235	38	430	220	380	20x26	12	350
10	N 140x3x30x45x9H	134	155	235	38	470	240	420	22x26	12	350
11	N 170x5x30x32x9H	160	170	270	42	510	260	450	18x33	12	400
12	N 170x5x30x32x9H	160	185	270	42	540	280	480	22x33	12	400
型號 Size	H2K. ,H3K. ,H4K. ,B3K. ,B4K.				H2F. ,H3F. ,H4F.						
	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	n x s	t	G_7
13	N 190x5x30x36x9H	180	195	335	48	580	310	500	20x33	14	480
14	N 190x5x30x36x9H	180	215	335	48	620	310	540	24x33	14	480
15	N 220x5x30x42x9H	210	235	380	55	710	360	630	28x33	17	550
16	N 220x5x30x42x9H	210	245	380	55	740	360	660	30x33	17	550
17	N 250x5x30x48x9H	240	260	415	60	750	410	660	24x39	18	600
18	N 250x5x30x48x9H	240	285	415	60	800	410	710	26x39	18	600
19	請洽詢 / on request				65	860	460	770	30x39	18	670
20					65	930	460	830	32x39	18	670
21					75	950	520	850	28x45	20	710
22					75	1040	520	940	28x45	20	710

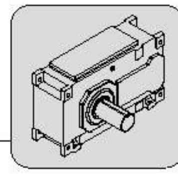
型號 Size	B2K.				B2F.						
	N / DIN 5480	D_2	D_3	G_4	c	d_2	D_3	k_2	n x s	t	G_7
5	N 95x3x30x30x9H	89	100	200	25	300	150	260	16x22	10	290
6	N 95x3x30x30x9H	89	110	200	25	320	160	280	18x22	10	290
7	N 120x3x30x38x9H	114	120	235	30	370	180	320	16x26	10	340
8	N 120x3x30x38x9H	114	130	235	30	390	190	340	18x26	10	340
9	N 140x3x30x45x9H	134	145	270	38	430	220	380	20x26	12	385
10	N 140x3x30x45x9H	134	155	270	38	470	240	420	22x26	12	385
11	N 170x5x30x32x9H	160	170	320	42	510	260	450	18x33	12	450
12	N 170x5x30x32x9H	160	185	320	42	540	280	480	22x33	12	450
13	–	–	–	–	48	580	310	500	20x33	14	525
14	N 190x5x30x36x9H	180	215	390	48	620	310	540	24x33	14	525
15	–	–	–	–	55	710	360	630	28x33	17	625
16	N 220x5x30x42x9H	210	245	450	55	740	360	660	30x33	17	625
17	–	–	–	–	60	750	410	660	24x39	18	695
18	N 250x5x30x48x9H	240	285	510	60	800	410	710	26x39	18	695

相關齒輪箱尺寸，請見第60-109頁

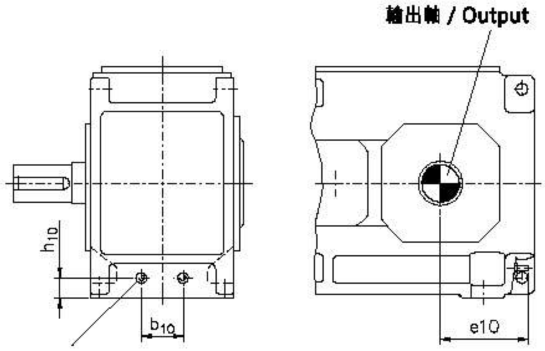
For gear unit domensions, see page 60-109.

齒輪箱 臥式安裝 立式安裝 冷卻盤管

Gear Units Horizontal Vertical Cooling coil



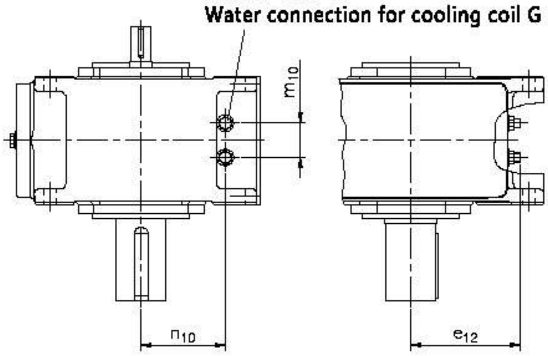
H2.H, H3.H, B3.H, B4.H



冷卻盤管接口尺寸G 1/2"
Water connection for cooling coil G 1/2"

H2.V, H3.V, B2.V, B3.V

冷卻盤管接口尺寸G 1/2"
Water connection for cooling coil G 1/2"



型號 Size	H2.H				H3.H				B2.H				B3.H			
	b_{10}	e_{10}	h_{10}	l/min *)	b_{10}	e_{10}	h_{10}	l/min *)	b_{10}	e_{10}	h_{10}	l/min *)	b_{10}	e_{10}	h_{10}	l/min *)
4	34	155	60	4	–	–	–	–	74	160	54	4	34	155	60	4
5	68	170	64	4	70	175	60	4	130	175	62	8	68	170	64	4
6	70	215	68	4	70	220	69	4	120	220	68	4	70	220	69	4
7	100	210	83	4	80	210	83	4	140	210	80	8	100	210	83	4
8	100	270	83	4	80	270	83	4	140	270	80	4	100	270	83	4
9	140	245	110	8	150	245	107	4	232	245	110	8	140	245	110	8
10	100	295	95	8	90	295	95	4	150	295	90	8	100	295	95	8
11	110	275	95	8	200	275	115	8	312	275	115	8	110	275	95	8
12	200	360	109	8	200	360	115	8	300	360	115	8	200	360	109	8
13	252	455	116	8	252	460	116	8	324	460	116	8	252	455	116	8
14	252	525	116	8	252	530	116	8	324	530	116	8	252	525	116	8
15	290	535	119	8	290	540	119	8	396	540	119	8	290	535	119	8
16	290	580	119	8	290	585	119	8	396	585	119	8	290	580	119	8
17	340	575	134	8	300	580	134	8	468	580	134	8	340	575	134	8
18	340	635	134	8	300	640	134	8	468	640	134	8	340	635	134	8

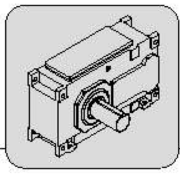
型號 Size	H2.V				H3.V				B2.V				B3.V			
	m_{10}	n_{10}	e_{12}	l/min *)	m_{10}	n_{10}	e_{12}	l/min *)	m_{10}	n_{10}	e_{12}	l/min *)	m_{10}	n_{10}	e_{12}	l/min *)
4	34	140	155	4	–	–	–	–	74	146	160	4	34	140	155	4
5	68	166	170	4	70	170	175	4	130	168	175	8	68	168	170	4
6	70	162	215	4	70	161	220	4	120	162	220	4	70	162	215	4
7	100	197	210	4	80	197	210	4	140	200	210	8	100	197	210	4
8	100	197	270	4	80	197	270	4	140	200	270	4	100	197	270	4
9	140	210	245	8	150	213	245	4	232	210	245	8	140	210	245	8
10	100	225	295	8	90	225	295	4	150	230	295	8	100	225	295	8
11	110	285	275	8	200	265	275	8	312	265	275	8	110	285	275	8
12	200	271	360	8	200	265	360	8	300	265	360	8	200	271	360	8
13	252	300	335	8	252	300	335	8	324	300	335	8	252	300	335	8
14	252	300	405	8	252	300	405	8	324	300	405	8	252	300	405	8
15	290	335	395	8	290	340	395	8	396	345	390	8	290	335	395	8
16	290	335	440	8	290	340	440	8	396	345	435	8	290	335	440	8
17	340	380	425	8	300	380	425	8	324	395	425	8	340	380	425	8
18	340	380	485	8	300	380	485	8	324	395	485	8	340	380	485	8

1) 冷卻盤管適用於淡水、海水和稍有鹹味的水
2) 立式安裝部份布置形式不適用冷卻盤管，請洽詢
3) 型號19-22，請洽詢

*) 所需冷卻水量；冷卻水壓最大值為8 bar

1) Cooling coil suitable for fresh, sea and brackish water
2) For vertical mounting, cooling coil not possible with some designs, please consult us.
3) Size 19-22 on required

*) Cooling water quantity required；max cooling water pressure：8 bar

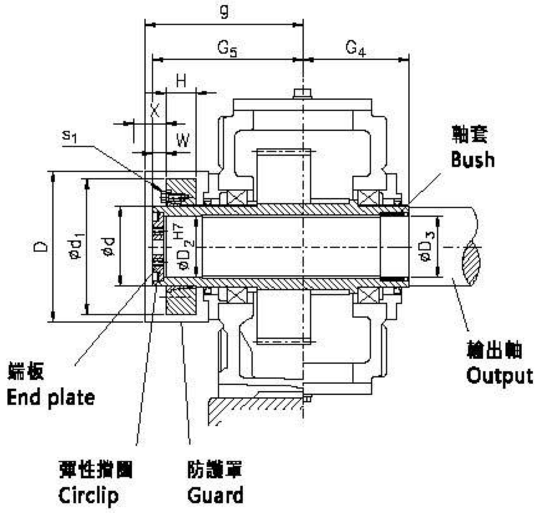


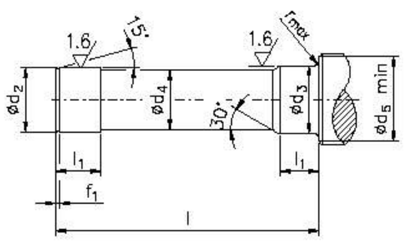
齒輪箱
帶縮緊盤的空心軸
類型 H2, H3, H4, B3, B4
型號 4-22

Gear Units
Hollow shaft for Shrink Disks
Types H2, H3, H4, B3, B4
Size 4-22

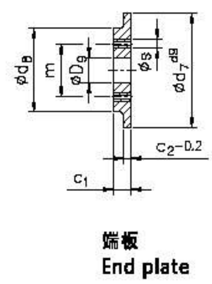
X = 預留的扭力扳手空間
X = Space Required for torque wrench

用於縮緊盤聯接的工作機驅動軸
工作機驅動軸表面不可沾有機油或潤滑油脂
Driven machine shaft for shrink disk connection.
Driven machine shaft must be free of oil or grease.





帶中心孔的工作機驅動軸
Driven machine shaft with center hole



齒輪箱 型號 Gear unit size	工作機驅動軸 [2] Driven machine shaft								端板 End plate								彈性擋圈 Circlip	空心軸 Hollow shaft				縮緊盤 Shrink disk [1]				螺釘 Screw	防護罩 Guard	
	d_2	d_3	d_4	d_5	f_1	l	l_1	r	c_1	c_2	d_7	d_8	d_9	m	s	數量 Qty.	DIN 472	D_2	D_3	G_4	G_5	d	d_1	H	W	s_1	D	g
	mm																	mm										
4	85 g6	85 h6	84.5	95	4	326	48	2	17	7	90	70	22	50	M8	2	90x3	85	85	140	205	110	185	51	20	M12	235	225
5	100 g6	100 h6	99.5	114	5	383	53	2	20	8	105	80	26	55	M10	2	105x4	100	100	165	240	125	215	55	20	M12	275	260
6	110 g6	110 h6	109.5	124	5	383	58	3	20	8	115	85	26	60	M10	2	115x4	110	110	165	240	140	230	61	20	M14	285	255
7	120 g6	120 h6	119.5	134	5	453	68	3	20	8	125	90	26	65	M12	2	125x4	120	120	195	280	155	263	64	23	M14	330	305
8	130 g6	130 h6	129.5	145	6	458	73	3	20	8	135	100	26	70	M12	2	135x4	130	130	195	285	165	290	70	23	M16	340	305
9	140 g6	145 m6	139.5	160	6	539	82	4	23	10	150	110	33	80	M12	2	150x4	140	145	235	330	175	300	71	28	M16	360	355
10	150 g6	155 m6	149.5	170	6	559	92	4	23	10	160	120	33	90	M12	2	160x4	150	155	235	350	200	340	87	28	M16	395	365
11	165 f6	170 m6	164.5	185	7	644	112	4	23	10	175	130	33	90	M12	2	175x4	165	170	270	400	220	370	103	30	M20	435	420
12	180 f6	185 m6	179.5	200	7	649	122	4	23	10	190	140	33	100	M16	2	190x4	180	185	270	405	240	405	107	30	M20	450	420
13	190 f6	195 m6	189.5	213	7	789	137	5	23	10	200	150	33	110	M16	2	200x4	190	195	335	480	260	430	119	30	M20	500	505
14	210 f6	215 m6	209.5	233	8	784	147	5	28	14	220	170	33	130	M16	2	220x5	210	215	335	480	280	460	132	30	M20	525	505
15	230 f6	235 m6	229.5	253	8	899	157	5	28	14	240	180	39	140	M16	2	240x5	230	235	380	550	300	485	140	35	M24	575	575
16	240 f6	245 m6	239.5	263	8	899	157	5	28	14	250	190	39	150	M20	2	250x5	240	245	380	550	320	520	140	35	M24	595	575
17	250 f6	260 m6	249.5	278	8	982	177	5	30	14	265	200	39	150	M20	2	265x5	250	260	415	600	340	570	155	35	M24	615	630
18	280 f6	285 m6	279.5	306	9	982	177	5	30	14	290	210	39	160	M20	2	290x5	280	285	415	600	360	590	162	35	M24	635	625
19	285 f6	295 m6	284.5	316	9	1100	187	5	32	15	300	220	39	170	M24	2	300x5	285	295	465	670	380	640	166	40	M27	–	–
20	310 f6	315 m6	309.5	336	9	1100	187	5	32	15	320	230	39	180	M24	2	320x6	310	315	465	670	390	650	166	40	M27	–	–
21	330 f6	335 m6	329	358	9	1160	205	5	40	20	340	250	45	190	M24	2	340x6	330	335	490	715	420	670	186	45	M27	–	–
22	340 f6	345 m6	339	368	9	1170	215	5	40	20	350	260	45	200	M24	2	350x6	340	345	490	725	440	720	194	45	M27	–	–

1) 縮緊盤在供貨的範圍之內

2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

1) Shrink disk is in the scope of supply.

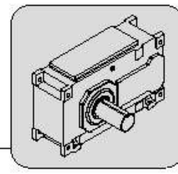
2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.

齒輪箱 Gear Units

帶縮緊盤的空心軸 Hollow shaft for Shrink Disks

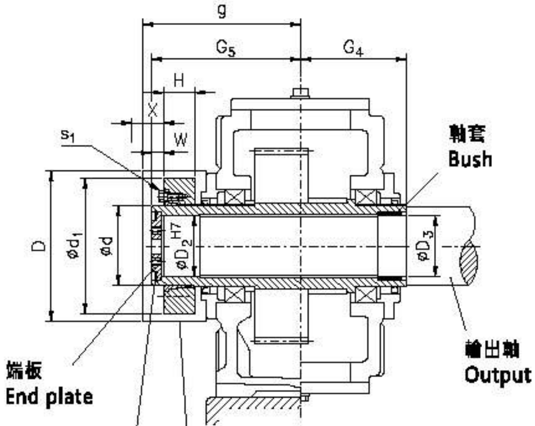
類型 B2 Types B2

型號 4-18 Size 4-18



X = 預留的扭力扳手空間

X = Space Required for torque wrench

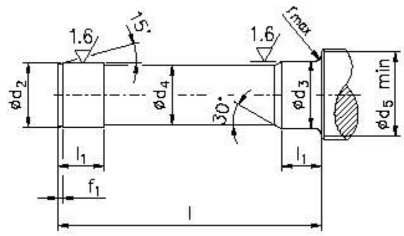


用於縮緊盤聯接的工作機驅動軸

工作機驅動軸表面不可沾有機油或潤滑油脂

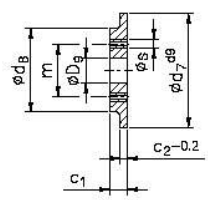
Driven machine shaft for shrink disk connection.

Driven machine shaft must be free of oil or grease.



帶中心孔的工作機驅動軸

Driven machine shaft with center hole



端板

End plate

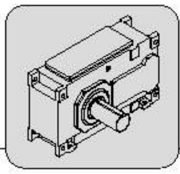
齒輪箱型號 Gear unit size	工作機驅動軸 2) Driven machine shaft								端板 End plate								彈性擋圈 Circlip	空心軸 Hollow shaft				縮緊盤 Shrink disk 1)				螺釘 Screw	防護罩 Guard	
	d_2	d_3	d_4	d_5	f_1	l	l_1	r	c_1	c_2	d_7	d_8	d_9	m	s	數量 Qty.	DIN 472	D_2	D_3	G_4	G_5	d	d_1	H	W	s_1	D	g
	mm																	mm										
4	85 g6	85 h6	84.5	95	4	386	48	2	17	7	90	70	22	50	M8	2	90x3	85	85	170	235	110	185	51	20	M12	235	255
5	100 g6	100 h6	99.5	114	5	453	53	2	20	8	105	80	26	55	M10	2	105x4	100	100	200	275	125	215	55	20	M12	275	290
6	110 g6	110 h6	109.5	124	5	453	58	3	20	8	115	85	26	60	M10	2	115x4	110	110	200	275	140	230	61	20	M14	285	285
7	120 g6	120 h6	119.5	134	5	533	68	3	20	8	125	90	26	65	M12	2	125x4	120	120	235	320	155	263	64	23	M14	330	345
8	130 g6	130 h6	129.5	145	6	538	73	3	20	8	135	100	26	70	M12	2	135x4	130	130	235	325	165	290	70	23	M16	340	345
9	140 g6	145 m6	139.5	160	6	609	82	4	23	10	150	110	33	80	M12	2	150x4	140	145	270	360	175	300	71	28	M16	360	390
10	150 g6	155 m6	149.5	170	6	629	92	4	23	10	160	120	33	90	M12	2	160x4	150	155	270	385	200	340	87	28	M16	395	400
11	165 f6	170 m6	164.5	185	7	744	112	4	23	10	175	130	33	90	M12	2	175x4	165	170	320	450	220	370	103	30	M20	435	470
12	180 f6	185 m6	179.5	200	7	749	122	4	23	10	190	140	33	100	M16	2	190x4	180	185	320	455	240	405	107	30	M20	450	470
14	210 f6	215 m6	209.5	233	8	894	147	5	28	14	220	170	33	130	M16	2	220x5	210	215	390	535	280	460	132	30	M20	525	555
16	240 f6	245 m6	239.5	263	8	1039	157	5	28	14	250	190	33	150	M20	2	250x5	240	245	450	620	320	520	140	35	M24	595	645
18	280 f6	285 m6	279.5	306	8	1177	177	5	30	14	290	210	39	160	M20	2	290x5	280	285	510	700	360	590	162	35	M24	635	725

1) 縮緊盤在供貨的範圍之內

2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

1) Shrink disk is in the scope of supply.

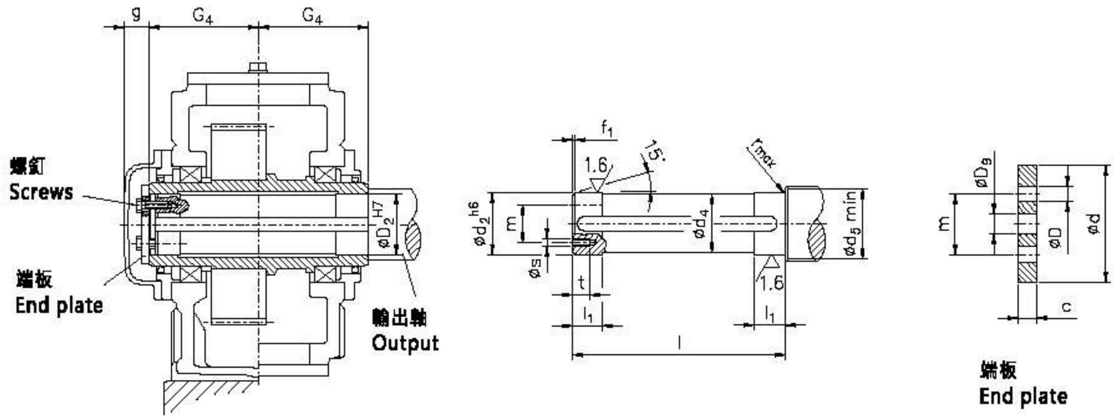
2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.



齒輪箱
帶平鍵聯接的空心軸
類型 H2, H3, H4, B3, B4
型號 4-18

Gear Units
Hollow shaft for Parallel Key Connection
Types H2, H3, H4, B3, B4
Size 4-18

帶平鍵聯接的工作機驅動軸
Driven machine shaft for parallel key connection.



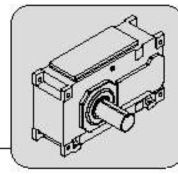
齒輪箱型號 Gear unit size	工作機驅動軸 [2] Driven machine shaft									端板 End plate					螺釘 Screw		空心軸 Hollow shaft		
	d_2	d_4	d_5	f_1	l	l_1	r	s	t	c	D	D_9	d	m	規格 Size	數量 Qty.	D_2	D_3	G_4
	mm																mm		
4	80	79.5	88	4	278	35	1.2	M10	18	10	11	22	100	60	M10x25	2	80	140	35
5	95	94.5	105	5	328	40	1.6	M10	18	10	11	26	120	70	M10x25	2	95	165	40
6	105	104.5	116	5	328	45	1.6	M10	18	10	11	26	120	70	M10x25	2	105	165	40
7	115	114.5	126	5	388	50	1.6	M12	20	12	13.5	26	140	80	M12x30	2	115	195	40
8	125	124.5	136	6	388	55	2.5	M12	20	12	13.5	26	150	85	M12x30	2	125	195	40
9	135	134.5	147	6	467	60	2.5	M12	20	12	13.5	33	160	90	M12x30	2	135	235	45
10	150	149.5	162	6	467	65	2.5	M12	20	12	13.5	33	185	110	M12x30	2	150	235	45
11	165	164.5	177	7	537	70	2.5	M16	28	15	17.5	33	195	120	M16x40	2	165	270	45
12	180	179.5	192	7	537	75	2.5	M16	28	15	17.5	33	220	130	M16x40	2	180	270	45
13	190	189.5	206	8	667	80	3	M16	28	18	17.5	33	230	140	M16x40	2	190	335	45
14	210	209.5	226	8	667	85	3	M16	28	18	17.5	33	250	160	M16x40	2	210	335	45
15	230	229.5	248	8	756	100	3	M20	38	25	22	39	270	180	M20x55	4	230	380	60
16	240	239.5	258	8	756	100	3	M20	38	25	22	39	280	180	M20x55	4	240	380	60
17	250	249.5	270	8	826	110	4	M20	38	25	22	39	300	190	M20x55	4	250	415	60
18	275	274.5	295	9	826	120	4	M20	38	25	22	39	330	210	M20x55	4	275	415	60

1) 平鍵不在供貨的範圍內，如果有需要請另行訂購

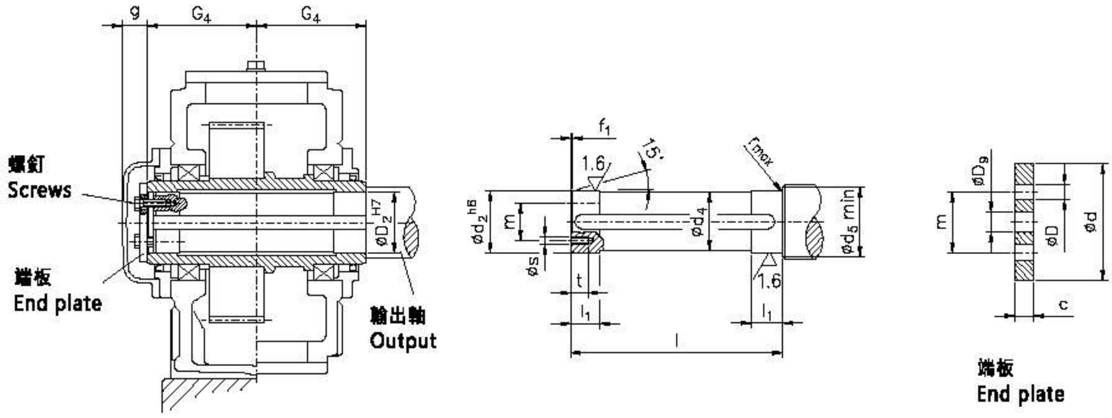
2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

1) Parallel key does not belong to our scope.
Please order separately, if required.

2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.



帶平鍵聯接的工作機驅動軸
Driven machine shaft for parallel key connection.



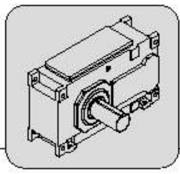
齒輪箱 型號 Gear unit size	工作機驅動軸[2] Driven machine shaft									端板 End plate					螺釘 Screw		空心軸 Hollow shaft		
	d_2	d_4	d_5	f_1	l	l_1	r	s	t	c	D	D_9	d	m	規格 Size	數量 Qty.	D_2	D_3	G_4
	mm																mm		
4	80	79.5	88	4	398	35	1.2	M10	18	10	11	22	100	60	M10x25	2	80	170	35
5	95	94.5	105	5	398	40	1.6	M10	18	10	11	26	120	70	M10x25	2	95	200	40
6	105	104.5	116	5	398	45	1.6	M10	18	10	11	26	120	70	M10x25	2	105	200	40
7	115	114.5	126	5	468	50	1.6	M12	20	12	13.5	26	140	80	M12x30	2	115	235	40
8	125	124.5	136	6	468	55	2.5	M12	20	12	13.5	26	150	85	M12x30	2	125	235	40
9	135	134.5	147	6	537	60	2.5	M12	20	12	13.5	33	160	90	M12x30	2	135	270	45
10	150	149.5	162	6	537	65	2.5	M12	20	12	13.5	33	185	110	M12x30	2	150	270	45
11	165	164.5	177	7	637	70	2.5	M16	28	15	17.5	33	195	120	M16x40	2	165	320	45
12	180	179.5	192	7	637	75	2.5	M16	28	15	17.5	33	220	130	M16x40	2	180	320	45
14	210	209.5	226	8	777	85	3	M16	28	18	17.5	33	250	160	M16x40	2	210	390	45
16	240	239.5	258	8	869	100	3	M20	38	25	22	39	280	180	M20x55	4	240	450	60
18	275	274.5	295	9	1016	120	4	M20	38	25	22	39	330	210	M20x55	4	275	510	60

1) 平鍵不在供貨的範圍內，如果有需要請另行訂購

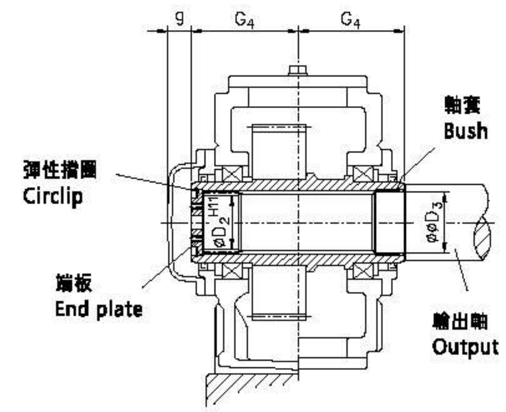
2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

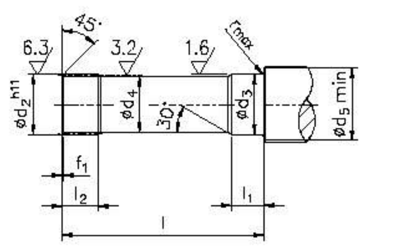
1) Parallel key does not belong to our scope.
Please order separately, if required.

2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.

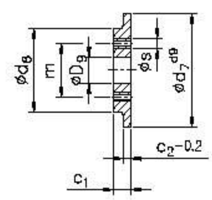


帶花鍵聯接的工作機驅動軸，安裝時需加注潤滑脂
Driven machine shaft with involute spline must be filled with grease before installation.





帶中心孔的工作機驅動軸
Driven machine shaft with center hole



端板
End plate

齒輪箱型號 Gear unit size	工作機驅動軸 2) Driven machine shaft										端板 End plate								彈性擋圈 Circlip	空心軸 Hollow shaft				螺釘 Screw
	漸開線花鍵 Involute splines	d_2	d_3	d_4	d_5	f_1	l	l_1	l_2	r	c_1	c_2	d_7	d_8	D_9	m	s	數量 Qty.	DIN 472	D_2	D_3	G_4	g	
		mm									mm									mm				
5	W95x3x30x30x8f	94.4	100 h6	93	114	3	308	53	90	2	20	8	105	80	26	55	M10	2	105x4	89	100	165	40	M24
6	W95x3x30x30x8f	94.4	110 h6	93	124	3	308	58	90	3	20	8	105	80	26	55	M10	2	105x4	89	110	165	40	M24
7	W120x3x30x38x8f	119.4	120 h6	118	134	3	368	68	105	3	20	8	125	90	26	65	M12	2	125x4	114	120	195	40	M24
8	W120x3x30x38x8f	119.4	130 h6	118	145	3	368	73	105	3	20	8	125	90	26	65	M12	2	125x4	114	130	195	40	M24
9	W140x3x30x45x8f	139.4	145 m6	138	160	3	444	82	125	4	23	10	150	110	33	80	M12	2	150x4	134	145	235	45	M30
10	W140x3x30x45x8f	139.4	155 m6	138	170	3	444	92	125	4	23	10	150	110	33	80	M12	2	150x4	134	155	235	45	M30
11	W170x5x30x32x8f	169	170 m6	168	185	5	514	112	150	4	23	10	175	130	33	90	M12	2	175x4	160	170	270	45	M30
12	W170x5x30x32x8f	169	185 m6	168	200	5	514	122	150	4	23	10	175	130	33	90	M12	2	175x4	160	185	270	45	M30
13	W190x5x30x36x8f	189	195 m6	188	213	5	644	137	180	5	23	10	200	150	33	110	M16	2	200x4	180	195	335	45	M30
14	W190x5x30x36x8f	189	215 m6	188	233	5	644	147	180	5	23	10	200	150	33	110	M16	2	200x4	180	215	335	45	M30
15	W220x5x30x42x8f	219	235 m6	218	253	5	728	157	200	5	28	14	240	180	39	140	M16	2	240x5	210	235	380	60	M36
16	W220x5x30x42x8f	219	245 m6	218	263	5	728	157	200	5	28	14	240	180	39	140	M16	2	240x5	210	245	380	60	M36
17	W250x5x30x48x8f	249	260 m6	248	278	5	796	177	215	5	30	14	265	200	39	150	M20	2	265x5	240	260	415	60	M36
18	W250x5x30x48x8f	249	285 m6	248	306	5	796	177	215	5	30	14	265	200	39	150	M20	2	265x5	240	285	415	60	M36

1) 端板及彈性擋圈在供貨的範圍內

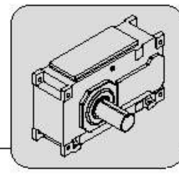
2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

1) End plate and circlip are supplied by us.

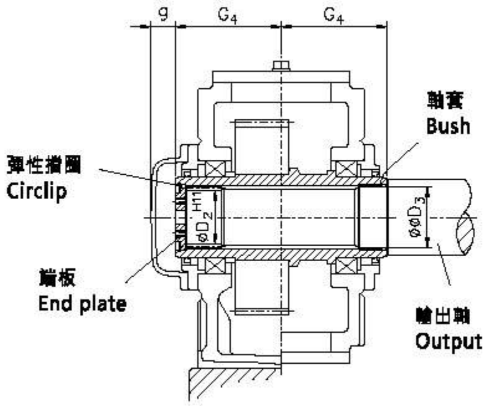
2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.

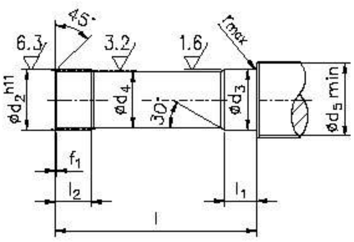
齒輪箱
帶花鍵聯接的空心軸
類型 B2
型號 5-12

Gear Units
Hollow shaft With Involute Splines
Types B2
Size 5-12

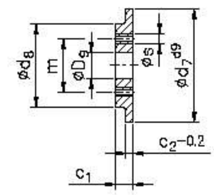


帶花鍵聯接的工作機驅動軸，安裝時需加注潤滑脂
Driven machine shaft with involute spline must be filled with grease before installation.





帶中心孔的工作機驅動軸
Driven machine shaft with center hole



端板
End plate

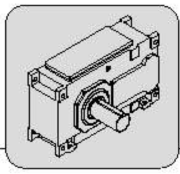
齒輪箱型號 Gear unit size	工作機驅動軸 [2] Driven machine shaft										端板 End plate								彈性擋圈 Circlip	空心軸 Hollow shaft				螺釘 Screw
	漸開線花鍵 Involute splines	d_2	d_3	d_4	d_5	f_1	l	l_1	l_2	r	c_1	c_2	d_7	d_8	D_9	m	s	數量 Qty.	DIN 472	D_2	D_3	G_4	g	
		mm									mm									mm				
5	W 95x3x30x30x8f	94.4	100 h6	93	114	3	378	53	90	2	20	8	105	80	26	55	M10	2	105x4	89	100	200	40	M24
6	W 95x3x30x30x8f	94.4	110 h6	93	124	3	378	58	90	3	20	8	105	80	26	55	M10	2	105x4	89	110	200	40	M24
7	W120x3x30x38x8f	119.4	120 h6	118	134	3	448	68	105	3	20	8	125	90	26	65	M12	2	125x4	114	120	235	40	M24
8	W120x3x30x38x8f	119.4	130 h6	118	145	3	448	73	105	3	20	8	125	90	26	65	M12	2	125x4	114	130	235	40	M24
9	W140x3x30x45x8f	139.4	145 m6	138	160	3	514	82	125	4	23	10	150	110	33	80	M12	2	150x4	134	145	270	45	M30
10	W140x3x30x45x8f	139.4	155 m6	138	170	3	514	92	125	4	23	10	150	110	33	80	M12	2	150x4	134	155	270	45	M30
11	W170x5x30x32x8f	169	170 m6	168	185	5	614	112	150	4	23	10	175	130	33	90	M12	2	175x4	160	170	320	45	M30
12	W170x5x30x32x8f	169	185 m6	168	200	5	614	122	150	4	23	10	175	130	33	90	M12	2	175x4	160	185	320	45	M30

1) 端板及彈性擋圈在供貨的範圍内

2) 工作機驅動軸材質為C60N或強度更高的鋼材
位於工作機側的縮緊盤請洽詢

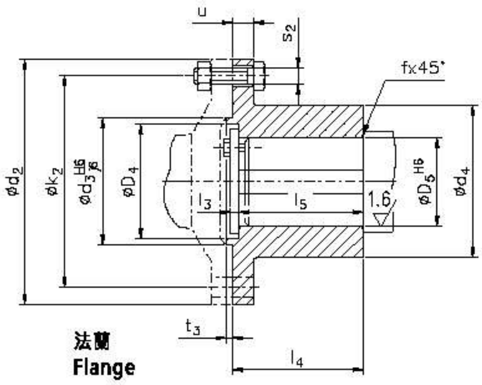
1) End plate and circlip are supplied by us.

2) Material of driven machine shaft is C60N or higher strength.
Shrink disk on driven machine side on request.



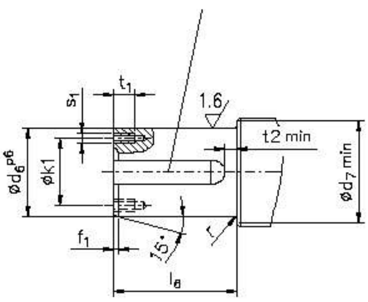
齒輪箱
與法蘭軸聯接的對接法蘭
類型 H2, H3, H4, B2, H4, B3, B4
型號 5-12

Gear Units
Counterflanges for Falnged Shafts
Types H2, H3, H4, B2, B3, B4
Size 5-12

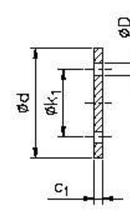


法蘭
Flange

平鍵槽依DIN 6885/1，當型號為11和12時，帶180°分布的雙鍵槽
Keyway acc. to DIN 6885 / 1, for sizes 11 and 12
two keyways offset at 180



工作機驅動軸
Driven machine shaft



端板
End plate

類型 / Types H2F., H3F., H4F., B2F., B3F., B4F.																
齒輪箱 型號 Gear unit size	法蘭 / Flange													螺栓 / Bolt [1]		
	d_2	d_3	d_4	D_4	D_5	f_1	k_2	l_3	l_4	l_5	s_2	t_3	u	規格 Size	數量 Qty.	T_A [2]
	mm															Nm
5	300	150	190	135	110	2.5	260	16	175	167	M20	8	25	M20x70	16	610
6	320	160	210	145	120	2.5	280	22	185	171	M20	8	25	M20x70	18	610
7	370	180	230	160	135	2.5	320	21	220	207	M24	8	30	M24x90	16	1050
8	390	190	270	175	150	2.5	340	22	220	206	M24	8	30	M24x90	18	1050
9	430	220	290	195	160	4	380	22	250	238	M24	10	38	M24x100	20	1050
10	470	240	310	220	180	4	420	22	250	238	M24	10	38	M24x100	22	1050
11	510	260	340	235	200	4	450	22	290	278	M30	10	42	M30x120	18	2100
12	540	280	360	255	210	4	480	22	290	278	M30	10	42	M30x120	22	2100

類型 / Types H2F., H3F., H4F., B2F., B3F., B4F.															
齒輪箱 型號 Gear unit size	工作機驅動軸 / Driven machine shaft								端板 / End plate				螺栓 / Bolt		重量 Weight kg
	d_6	d_7	f_1	k_1	l_6	r	s_1	t_1	t_2	c_1	d	D	k_1	規格 Size	數量 Qty.	
	mm															
5	110	122	2.5	80	165	2	M12	28	7.5	10	130	13.5	80	M12x35	4	35
6	120	132	2.5	95	169	2	M16	32	7.5	14	140	17.5	95	M16x45	4	45
7	135	147	2.5	95	205	2	M16	32	16	14	155	17.5	95	M16x45	4	65
8	150	162	2.5	110	204	2	M16	32	16	16	170	17.5	110	M16x45	4	85
9	160	176	4	110	235	3	M16	32	16	16	190	17.5	110	M16x45	4	115
10	180	196	4	145	235	3	M20	38	16	18	215	22	145	M20x55	4	130
11	200	216	4	145	275	3	M20	38	16	18	230	22	145	M20x55	4	175
12	210	230	4	160	275	3	M20	38	16	18	250	22	160	M20x55	4	200

平鍵不在供貨的範圍內，如果有需要請另行訂購

1) 螺栓依DIN 931, 性能等級為10.9級
螺母依DIN 934, 性能等級為10級
2) 法蘭聯接螺栓的鎖緊力矩

法蘭和工作機驅動軸材質為C60N或強度更高的鋼材

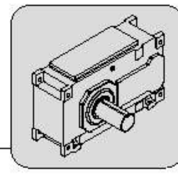
Parallel key does not belong to our scope. Please order separately, if required.

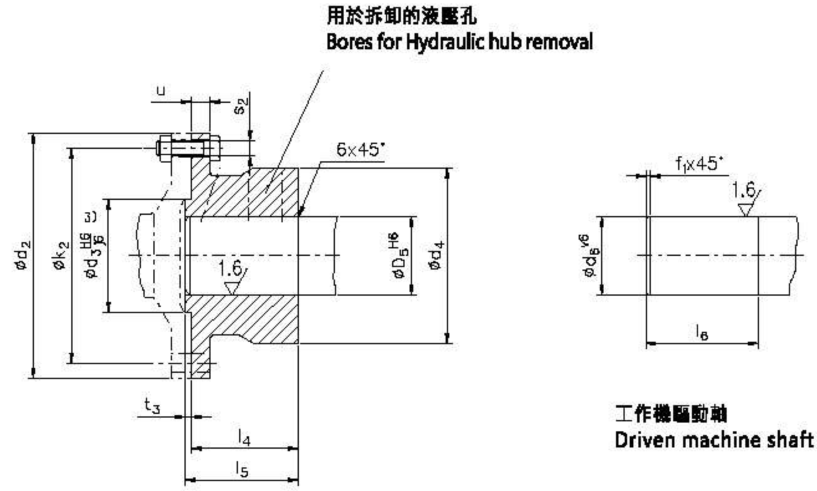
1) Bolts acc. to DIN 9B1, material 10.9;
Nuts acc. to DIN 9B4, material 10
2) Tightening torque of flange connection bolts

Material of driven machine shaft is C60N or higher strength.

齒輪箱
與法蘭軸聯接的對接法蘭
類型 H2, H3, H4, B2, H4, B3, B4
型號 13-22

Gear Units
Counterflanges for Falnged Shafts
Types H2, H3, H4, B2, B3, B4
Size 13-22





類型 / Types H2F., H3F., H4F., B2F., B3F., B4F.																	
齒輪箱型號 Gear unit size	法蘭 / Flange										螺栓 / Bolt 1)			工作機驅動軸 Driven machine shaft			重量 Weight kg
	d_2	d_3	d_4	D_5 2)	k_2	l_4	l_5	s_2	t_3	u	規格 Size	數量 Qty.	T_A	d_6	f_1	l_6	
	mm												Nm	mm			
13	580	310	390	240	500	310	322	M30	12	48	M30x130	20	2100	240	3	322	235
14	620	310	425	260	540	345	357	M30	12	48	M30x130	24	2100	260	3	357	300
15	710	360	460	280	630	365	380	M30	15	55	M30x140	28	2100	280	3	380	400
16	740	360	480	300	660	395	410	M30	15	55	M30x140	30	2100	300	4	410	450
17	750	410	520	320	660	420	436	M36	16	60	M36x160	24	3560	320	4	436	540
18	800	410	550	340	710	450	466	M36	16	60	M36x160	26	3560	340	4	466	650
19–22	請洽詢 / on request																

1) 螺栓依DIN 931, 性能等級為10.9級
螺母依DIN 934, 性能等級為10級
2) 需要其他尺寸請洽詢 (如為地腳安裝則可採用較小的D_5尺寸)
3) 在熱壓冷縮配合後為尺寸d_3^{j6}
對接法蘭在裝配時應加熱至190°C，工作機驅動軸應在20°C

法蘭和工作機驅動軸材質為C60N或強度更高的鋼材

1) Bolts acc. to DIN 931, material 10.9
Nuts acc. to DIN 934, material 10
2) Other diameter on request (For footmounted design, smaller bores D5 are possible)
3) Dimension d_3^{j6} after shrink fitting.

Material of driven machine shaft is C60N or higher strength.

齒輪箱
潤滑油選擇

Gear Units
Selection of oil

在選擇潤滑油品種和潤滑油黏度時，請注意在表 1 中註明的所允許之最低臨界溫度。
表 2 給出了相應齒輪箱類型和規格的潤滑油供給方式可供選擇。
最低工作黏度不得小於 25cSt。

For the selection of oil grade and viscosity, the limits of application given in table 1 are to be taken into consideration.
In table 2 a survey of the possible oil supply variants is given for the respective types and sizes.
A minimum operating viscosity of 25 cSt must be ensured

表 1 / Table 1

40℃溫度下的 ISO-VG 黏度, $mm^2/s(cSt)$	允許最低的臨界溫度 ℃ Minimum temperature limit in ℃ for			
	浸油潤滑 Dip lubrication		強制潤滑 Forced lubrication	
	礦物油 Mineral oil	合成油 Synthetic oil	礦物油 Mineral oil	合成油 Synthetic oil
VG220	- 15	- 25	10	0
VG320	- 12	- 25	15	5
VG460	- 9	- 25	-	-

*)合成油建議使用 PAO 基合成油

*) synthetic oil on PGO is recommandation

浸油潤滑：

當採用浸油潤滑時，所有需要被潤滑的零件均需要浸在潤滑油中。
附帶的補油箱用於儲存漲溢的潤滑油。
選擇依據參見第 122 頁。
如果油溫低於表中給出的溫度值，則必須對潤滑油進行加熱。
採用浸油潤滑時，油溫不得低於潤滑油的傾點。

強制潤滑：

當採用強制潤滑時，所有未浸在潤滑油中的零件均需通過法蘭泵進行飛濺潤滑。
選擇依據參見第 123 頁至 125 頁。
當採用強制潤滑時，在啟動時的工作黏度不得超過 1800cSt。

如果油溫低於表 1 中給出的最低極限溫度，則應採用浸油潤滑的方式或者必須對潤滑油進行加熱。

Dip lubrication：

In case of dip lubrication, all parts to be lubricated are lying in the oil.
An oil compensating tank has been fitted for oil expansion.
For criteria for selection, see page 122.
If the temperatures are below the values as listed in the table, the oil must be heated.
In case of dip lubrication, the oil temperature must not drop below the pour point of the selected oil.

Forced lubrication：

In case of forced lubrication, all parts not lying in oil are splash lubricated by means of a flanged-on pump.
For criteria for selection, see pages 123 - 125.
In case of forced lubrication, the operating viscosity 1800 cSt must not be exceeded during start-up.
If the temperatures are below the values as listed in table 1, dip lubrication has to be provided or the oil must be heated.

齒輪箱
潤滑油供給方式

類型 H2, H3, H4, B2, B3,B4
規格 3 - 22

Gear Units
Oil Supply Variants

Types H2, H3, H4, B2, B3,B4
Sizes 3 - 22

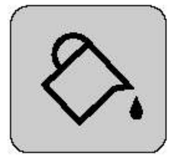


表 2 / Table 2

類型 Type	型號 Size	浸油潤滑 Dip lubrication		法蘭泵強制潤滑 Forced lubrication, flanged-on pump			電動泵強制潤滑 Forced lubrication, motor pump		
H1SH	3-17	H		H				-	
H2..	4	H	V		V			-	
	5-12	H	V	H	V	SR 1) 3)		-	
	13-18	H		H	V	SR 1) 3)		-	
	19-22	H			V			-	
H3..	5-12	H	V		V	SR 1)	V		SR 1)
	13-18	H			V	SR 1)	V		SR 1)
	19-22	H			V			-	
H4..	7-12	H	V		V		V		
	13-18	H			V		V		
	19-22	H			V			-	
B2..	4	H	V		V			-	
	5-12	H	V	H	V	SR 2)	V		SR 2)
	13-18	H		H	V	SR 2)	V		SR 2)
	19-22	H			V			-	
B3..	4	H	V		V			-	
	5-12	H	V		V	SR 2)	V		SR 2)
	13-18	H			V	SR 2)	V		SR 2)
	19-22	H			V			-	
B4..	5-2	H	V		V	SR 2)	V		SR 2)
	13-18	H			V	SR 2)	V		SR 2)
	19-22	H			V			-	

H = 臥式安裝齒輪箱
V = 立式安裝齒輪箱
SR = 實心出力軸和乾井式密封的立式安裝齒輪箱
1) 僅適用於裝配型式 B
2) 僅適用於裝配型式 C
3) 對於規格 5 的齒輪箱僅適用於傳動比 $i \leq 16$
對於規格 7 的齒輪箱僅適用於傳動比 $i \leq 16$
對於規格 11 的齒輪箱僅適用於傳動比 $i \leq 18$
對於規格 13 的齒輪箱僅適用於傳動比 $i \leq 18$
對於規格 17 的齒輪箱僅適用於傳動比 $i \leq 18$

H = Horizontal gear unit
V = Vertical gear unit
SR = Vertical gear unit with solid output shaft and oil retaining tube
1) Design B possible only
2) Design C possible only
3) For size 5 only possible up to $i \leq 16$
For size 7 only possible up to $i \leq 16$
For size 11 only possible up to $i \leq 18$
For size 13 only possible up to $i \leq 18$
For size 17 only possible up to $i \leq 16$

齒輪箱

浸油潤滑
立式安裝
類型 H2, H3, H4, B2, B3,B4
規格 4 - 12

Gear Units

Dip lubrication
Vertical
Types H2, H3, H4, B2, B3,B4
Sizes 4 - 12

當採用浸油潤滑方式時必須滿足下列要求

a) 最大輸入轉速 n_1 參見表 3
b) 允許油溫參見表 1
對於 i_N 和 n_1 不符合表 3 的齒輪箱，其熱功率計算的參數與該手冊的數值可能存在偏差，如必要，此類齒輪箱應用強制潤滑方式，請聯繫我們。

For the design with dip lubrication the following criteria are to be taken into account:
a) For maximum input speed n_1, see table 3.
b) For permissible oil temperatures, see table 1.
For gear units with i_N and n_1 not listed in table 3, the parameters for the calculation of the thermal capacity can deviate from those given in this brochure. If necessary, such gear units are to be designed with forced lubrication.
Please consult us!

表 3 / Table 3

規格 Size	類型 / Types											
	H2.V		H3.V		H4.V		B2.V		B3.V		B4.V	
	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}
4	6.3 – 10 11.2 – 12.5 14 – 22.4	1200 1500 1800	–		–		5 – 5.6 6.3 – 7.1 8 – 9 10 – 11.2	750 900 1000 1200	12.5 – 71	1800	–	
5	6.3 – 9 10 – 12.5 14 – 16 18 – 22.4	1000 1200 1500 1800	25 – 90	1800	–		5.3 – 7.1 8 – 9 10 – 11.2	750 900 1000	12.5 – 71	1800	80 - 315	1800
6	8 – 11.2 12.5 - 16 18 – 20 22.4 – 28	1000 1200 1500 1800	31.5 – 112	1800	–		9 10 – 11.2 12.5 – 14	750 900 1000	16 – 90	1800	100 – 400	1800
7	6.3 - 7.1 8 – 9 10 – 11.2 12.5 – 16 18 – 22.4	750 900 1000 1200 1500	25 – 90	1800	100 - 355	1800	9 – 10 11.2	750 900	12.5 – 25 28 – 71	1800	80 - 315	1800
8	8 – 9 10 – 11.2 12.5 – 14 16 – 20 22.4 – 28	750 900 1000 1200 1500	31.5 – 112	1800	125 - 450	1800	11.2 – 12.5 14	750 900	16 – 31.5 35.5 – 90	1800	100 – 400	1800
9	6.3 – 7.1 8 – 10 11.2 – 22.4	1200 1500 1800	25 – 90	1800	100 - 355	1800	5 – 5.6 6.3 – 7.1 8 – 10 11.2	900 1000 1200 1500	12.5 – 71	1800	80 - 315	1800
10	8 – 9 10 – 12.5 14 – 28	1200 1500 1800	31.5 – 112	1800	125 - 450	1800	6.3 – 7.1 8 – 9 10 – 12.5 14	900 1000 1200 1500	16 – 90	1800	100 – 400	1800
11	6.3 – 7.1 8 – 10 11.2 – 12.5 14 – 22.4	1000 1200 1500 1800	25 – 90	1800	100 - 355	1800	5.6 – 6.3 7.1 – 8 9 – 10 11.2	750 900 1000 1200	12.5 – 22.4 25 – 71	1800	80 - 315	1800
12	8 – 9 10 – 12.5 14 – 16 18 - 28	1000 1200 1500 1800	31.5 - 112	1800	125 - 450	1800	7.1 – 8 9 – 10 11.2 – 12.5 14	750 900 1000 1200	16 – 28 31.5 – 90	1800	100 – 400	1800

齒輪箱

強制潤滑
法蘭泵

類型 H2.V, H3.V, H4.V
規格 5-18 立式安裝

Gear Units

Forced Lubrication
Flanged-on Pump

Types H2.V, H3.V, H4.V
Sizes 5-18 Vertical

表 4 / Table 4

立式安裝平行軸齒輪箱的法蘭泵配置 / Assignment of flanged- on pumps to vertical helical gear units

類型 布置型式 Type Design	n_1 min^{-1}	齒輪箱型號 Gear unit size		法蘭泵型號 Flanged-on pump size	齒輪箱型號 Gear unit size			法蘭泵型號 Flanged-on pump size
		5, 7, 9, 11	6, 8, 10, 12		13, 15, 17	14	16, 18	
		傳動比 / Ratio i_N			傳動比 / Ratio i_N			
H2.V A, C	750 - 1800	6.3 – 22.4	8 - 28	KSW 1	6.3 – 22.4	8 - 28	7.1 - 25	KSW 2
H3.V A, C	1201 – 1800	25 – 40	31.5 - 50	KSW 2	22.4 - 50	28 - 63	25 - 56	KSW 3
		45 - 90	31.5 - 50	KSW 2	56 - 90	71 - 112	63 - 90	KSW 4
							100	*
	901 – 1200	25 – 56	31.5 – 71	KSW 3	22.4 - 31.5	28 - 40	25 - 35.5	KSW 3
		63 – 90	80 – 112	*	35.5 - 56	45 - 71	40- 63	KSW 4
					63 - 90	80 - 112	71- 100	*
	750 - 900	25 – 45	31.5 – 56	KSW 3	22.4 - 25	28 - 31.5	25 - 28	KSW 3
		50 – 90	63 - 112	*	28 - 45	35.5 - 56	31.5 - 50	KSW 4
					50 - 90	63 - 112	56 - 100	*
H4.V A, C	1201 – 1800	100 – 224	125 – 280	KSW 3	100 - 355	125 - 450	112 - 400	*
		250 – 355	315 – 450	*				
	901 – 1200	100 – 140	125 – 180	KSW 3				
		160 – 355	200 – 450	*				
	750 - 900	100 – 112	125 – 140	KSW 3				
		125 – 355	160 – 450	*				
H2.V B, D	750 - 1800	6.3 – 22.4	8 - 28	KSW 1	6.3 – 22.4	8 - 28	7.1 – 25	KSW 2
H3.V B, D	1201 – 1800	25 – 35.5	31.5 – 45	KSW 2	22.4 – 35.5	28 – 45	25 – 40	KSW 3
		40 – 71	50 – 90	KSW 3	40 – 71	50 – 90	45 – 80	KSW 4
		80 – 90	100 – 112	*	80 – 90	100 – 112	90 – 100	*
	901 – 1200	25 – 50	31.5 – 63	KSW 3	22.4 – 25	28 – 31.5	25 – 28	KSW 3
		56 – 90	71 – 112	*	28 – 45	35.5 – 56	31.5 – 50	KSW 4
					50 – 90	63 – 112	56 – 100	*
	750 – 900	25 – 35.5	31.5 – 45	KSW 3	22.4 – 35.5	28 – 45	25 – 40	KSW 4
		40 – 90	50 - 112	*	40 – 90	50 - 112	45 - 100	*
H4.V B, D	1201 – 1800	100 – 180	125 - 224	KSW 3	100 - 355	125 - 450	112 - 400	*
		200 - 355	250 – 450	*				
	901 – 1200	100 – 180	125 – 160	KSW 3				
		200 – 355	180 – 450	*				
	750 - 900	100 – 355	125 – 450	*				

*=所需電動泵參見表 6 / Motor pump required, see table 6

齒輪箱
強制潤滑
法蘭泵
類型 B2.V, B3.V, B4.V
規格 5-18 立式安裝

Gear Units
Forced Lubrication
Flanged-on Pump
Types B2.V, B3.V, B4.V
Sizes 5-18 Vertical

表 5 / Table 5

立式安裝平行軸齒輪箱的法蘭泵配置 / Assignment of flanged-on pumps to vertical helical gear units

類型 布置型式 Type Design	n_1 min^{-1}	齒輪箱型號 Gear unit size 5, 7, 9, 11	齒輪箱型號 Gear unit size 6, 8, 10, 12	法蘭泵型號 Flanged-on pump size	齒輪箱型號 Gear unit size 13, 15, 17	齒輪箱型號 Gear unit size 14	齒輪箱型號 Gear unit size 16, 18	法蘭泵型號 Flanged-on pump size
		傳動比 / Ratio i_N			傳動比 / Ratio i_N			
B2.V A, B	1201 – 1800	5 – 6.3	6.3 - 8	KSW 1	5 – 8	6.3 - 10	5.6 – 9	KSW 2
		7.1 – 11.2	9 – 14	KSW 2	9 – 11.2	11.2 – 14	10 – 12.5	KSW 3
	901 – 1200	5 – 8	6.3 - 10	KSW 2	5	6.3	5.6	KSW 2
		9 – 11.2	11.2 – 14	KSW 3	5.6 – 11.2	7.1 – 14	6.3 – 12.5	KSW 3
	750 - 900	5 - 6.3	6.3 – 8	KSW 2	5 – 10	6.3 – 12.5	5.6 – 11.2	KSW 3
		7.1 - 10.5	9 – 12	KSW 3	11.2	14	12.5	*
		11.2	14	*				
B2.V C, D	1201 – 1800	5 – 6.3	6.3 - 8	KSW 1	5 – 6.3	6.3 - 10	5.6 – 9	KSW 2
		7.1 – 11.2	9 – 14	KSW 2	7.1 – 11.2	11.2 – 14	10 – 12.5	KSW 3
	901 – 1200	5 – 8	6.3 - 10	KSW 2	5 – 10	6.3 – 12.5	5.6 – 11.2	KSW 3
		9 – 11.2	11.2 – 14	KSW 3	11.2	14	11.2	*
	750 - 900	5 - 6.3	6.3 – 8	KSW 2	5 – 7.1	6.3 – 9	5.6 – 8	KSW 3
		7.1 - 10.5	9 – 12	KSW 3	8 – 11.2	10 – 14	9 – 12.5	*
		11.2	14	*				
B3.V A, B	1201 – 1800	12.5 – 35.5	16 – 45	KSW 2	12.5 – 22.4	16 - 28	14 – 25	KSW 2
		40 – 71	50 – 90	KSW 3	25 – 50	31.5 – 63	28 – 56	KSW 3
					56 – 71	71 – 90	63 – 80	KSW 4
	901 – 1200	12.5 – 25	16 – 31.5	KSW 2	12.5 – 35.5	16 – 45	14 – 40	KSW 3
		28 – 50	35.5 – 63	KSW 3	40 – 56	50 – 71	45 – 63	KSW 4
		56 – 71	71 – 90	*	63 – 71	80 – 90	71 – 80	*
	750 – 900	12.5 – 35.5	16 – 45	KSW 3	12.5 – 25	16 – 31.5	14 – 28	KSW 3
		40 - 71	50 – 90	*	28 – 40	35.5 – 50	31.5 – 45	KSW 4
					45 - 71	56 – 90	50 - 80	*
B3.V C, D	1201 – 1800	12.5 – 35.5	16 – 45	KSW 2	12.5 – 35.5	16 – 45	14 – 40	KSW3
		40 – 71	50 – 90	KSW 3	40 – 71	50 – 90	45 – 80	KSW4
	901 – 1200	12.5 – 25	16 – 31.5	KSW 2	12.5 – 25	16 – 31.5	14 – 28	KSW3
		28 – 50	35.5 – 63	KSW 3	28 – 50	35.5 – 63	31.5 – 56	KSW4
	750 - 900	56 – 71	71 – 90	*	56 – 71	71 – 90	63 – 80	*
		12.5 – 35.5	16 – 45	KSW 3	12.5 – 35.5	16 – 45	14 – 40	KSW 4
		40 - 71	50 – 90	*	40 - 71	50 - 90	45 - 80	*
B4.V A, B	1201 - 1800	80 - 125	100 – 160	KSW 2	80 – 315	100 - 400	90 - 355	*
		140 – 250	180 – 315	KSW 3				
		280 – 315	355 – 400	*				
	901 – 1200	80 – 180	100 – 224	KSW 3				
		200 – 315	250 – 400	*				
	750 - 900	80 – 125	100 – 160	KSW 3				
		140 – 315	180 – 400	*				
B4.V C, D	1201 – 1800	80 – 180	100 – 224	KSW 3	80 - 315	100 - 400	90 – 355	*
		200 – 315	250 – 400	*				
	901 – 1200	80 – 125	100 – 160	KSW 3				
		140 - 315	180 – 400	*				
	750 - 900	80 – 90	100 – 112	KSW 3				
		100 - 315	125 – 400	*				

*=所需電動泵參見表 7 / Motor pump required, see table 7

表 6 / Table 6

立式安裝平行軸齒輪箱的電動泵配置 / Assignment of motor pumps to vertical helical gear units

類型 / Type	規格 / Size	佈置型式 / Design	泵 / Pump
H2.V	5 – 18	A / B / C / D	1)
H3.V	5 – 18	A / C	SF2/8
	5 – 12	B / D	SF2/8
	13 – 18		SF2/13
H4.V	7 – 12	A / C	SF2/8
	13 – 18		SF2/13
	7 - 18	B / D	SF2/13

1)僅採用法蘭泵

1)Flanged-on pump only

表 7 / Table 7

立式安裝直交軸齒輪箱的電動泵配置 / Assignment of motor pumps to vertical bevel-helical gear units

類型 / Type	規格 / Size	佈置型式 / Design	泵 / Pump
B2.V	5 – 12	A / B	SF2/5
	13 – 18		SF2/8
	5 – 18	C / D	SF2/8
B3.V	5 – 12	A / B	SF2/8
	13 – 18		SF2/13
	5 – 12	C / D	SF2/8
	13 – 18		SF2/13
B4.V	5 – 12	A / B	SF2/8
	13 – 18		SF2/13
	5 – 12	C / D	SF2/8
	13 – 18		SF2/13

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CHENTA PRECISION MACHINERY IND.INC.
JEN WU MACHINERY CO., LTD.

總 公 司
Head Office / Plant

台灣高雄市814仁武區後庄巷118號
NO. 118 HALL TRAN LANE, JEN WU,
KAOHSIUNG DISTRICT,TAIWAN

Tel:886-7-3727007
Fax:886-7-3727267
http://www.chenta.com
E-mail:sales@chenta.com

美國分公司
U.S.A Office

Gearking, Inc. CHENTA GEAR U.S.A

Tel:1-949-579-2789
Fax:1-949-206-0868
E-mail: usa@chenta.com

蘇州公司
Suzhou Plant

江蘇省蘇州市相城經濟開發區澧湖大道89號
NO. 89 CAOHU BOULEVARD,XIANGCHENG ECONOMIC
DEVELOPMENT ZONE,SUZHOU CITY,
JIANGSU PROVINCE, CHINA

Tel:86-512-6586-5367
Fax:86-512-6586-5366
E-mail: cysd@chenta.com

2017.10