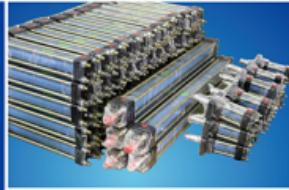




國際認證 品質保證
ISO Certification Quality Guarantees



東莞市金莊液壓技術有限公司

DONGGUAN CITY JIN ZHUANG HYDRAULIC TECHNOLOGY CO., LTD.

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傳真(Fax):0769-22705317 郵編(Post):523039
E-mail:jzyeya@hzyeya.cn
Http://www.hzyeya.cn

全國總代理: National Agents

深達利自動化設備有限公司
電話: 0574 87547773
手機: 18805749840 (冷文明)
地址: 浙江寧波市冷岙村43-1-22號

海龍港務氣動有限公司
電話: 0592-2298335 13860404506(叶經理)
傳真: 0592-2298336
地址: 廈門市海滸路139號

深圳市泰盛電機有限公司
電話: 0755-29830901 15014007210(劉廣東)
傳真: 0755-29852163
地址: 深圳觀瀾華錦新路1號

南匯縣武高壓縮空氣動壓壓縮機廠
電話: 0573-86029509 13660830609(徐得龍)
傳真: 0573-86029509
地址: 浙江省南匯縣南匯山南路139號

佛山市泰盛電機有限公司
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傳真: 0757-22617456
地址: 佛山市順德區大良鎮中一路八號

武漢市江漢區高盛氣動壓縮機有限公司
電話: 027-85836603(王海青)
傳真: 027-85829586
地址: 武漢市江漢區民主街55-1號

金莊液壓技術
JIN ZHUANG YE YA JI SHU

2017版 2017edition

專注于液壓系統和油缸

Focus on hydraulic systems and cylinders



—— 好服務 找金莊 ——
Everything For Customers

Http://www.hzyeya.cn



液壓系統系列

Hydraulic System Series

中國重型元件供應商
China heavy-duty component supplier
http://www.huiyida.cn

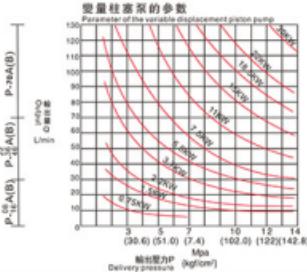
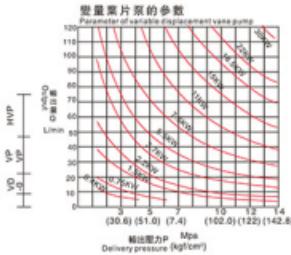
電機選擇法

how to order the motor

(例) 求使用壓力為3.5MPa[35.7kgf/cm²]、輸出量為25L/min達的電機功率。從圖上各種電機輸出功率曲線的下側是就電機額定輸出功率的可以使用的範圍。

Under the electromechanical curve is its applicable scope in the graph.

Example: when the pressure is 3.5MPa [kgf/cm²], the output is 25L/min, how to get the power of the motor.



立式定量葉片油泵站
vertical constant displacement vane pump station



變量柱塞泵站
variable displacement power station



雙聯定量泵站
double pump constant displacement power station



定量齒輪泵站
constant displacement gear power station



立式定量柱塞高壓泵站
vertical constant piston high pressure power station



NC車床卡盤專用低噪音油站
dedicated low noise power station for NC lathe chuck

(緊湊型)變量泵液壓系統

compact type variable displacement pump hydraulic system

小型液壓系統廣泛應用於NC車床的夾頭開閉和刀具進給的回轉工作，數控機牀主軸上下動作等工作的機械的動力能源。

“JIN ZHUANG” 具備有小型化、輕量化及高效率的液壓系統，本液壓系統有利於地球的環保，屬於節能型。

Small hydraulic systems are widely used as the power source of the swing of NC “lath” chuck plates switch and cutting tool table and the up-and-down movement of the numerically-controlled machine tool’s main axis.

“JIN ZHUANG” small, light and efficient hydraulic systems are environmental-friendly and energy-saving.

特點 features

省空間、輕量化

space saving

易於放置，油箱的容積被縮小，安裝空間也得以大幅度縮小。

Capacity of reservoir has been reduced to reduce the space it takes.

新結構且提高效率
new structure, efficiency improved

由於充分發揮了多年來的經驗與技術，系統的連接部分得到了很好的改良，新結構的效率率都得到了應用。

After years of practice, the connection part of pump has been greatly improved and it makes the pump more efficient.

冷却能力大幅度提高

the cooling capacity has been greatly improved
裝載了強力散熱型的冷卻系統，不需要風扇馬達降溫或冷卻水的配管。

High efficient and energy saving cooling system has been installed, there is no need of fan motor wiring and water cooling tube.

規格 specification

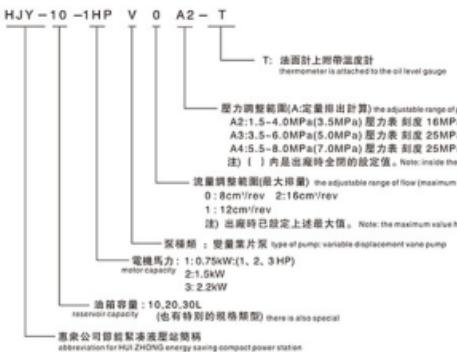
項目 item	規格 model No.	VD08	VD12	VD16
變量 displacement at pump cmin/rev	8.0	12	16.5	
最高壓力 maximum pressure MPa	8.0 [81.6kgf/cm ²] (全閥壓力) full valve pressure			
電機帶動之最大輸出功率 kW	0.75-1.5	1.5	1.5-2.2	
油箱容積 reservoir capacity L	10, 20, 30			
油泵空氣吸頭吸頭安裝尺寸 mm	300×400, 300×500			
總體積 rough weight kg	50kg(以內) 10, 15, 22kg(不含選件 when option 50kg, 10, 15, 22kg, optional accessories are not included)			

型號說明 model code

1. 請組合與需容量的組合，固有其他特殊需求請在選項上的註記說明。

2. 本公司有權在未對外預先通知的情況下修改設計號。

Note: 1. About the combination of pump output and motor capacity, if there is other request, please see points for attention about option
2. The company reserve the right to change the design number without advance notice



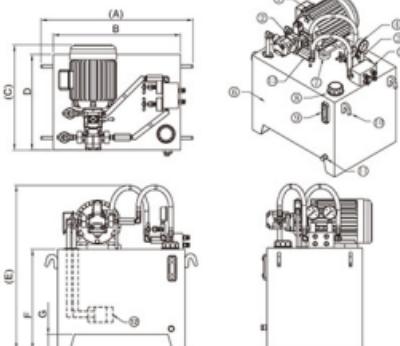


液壓系統系列 雙聯型葉片可變量泵站 Hydraulic system dual pump

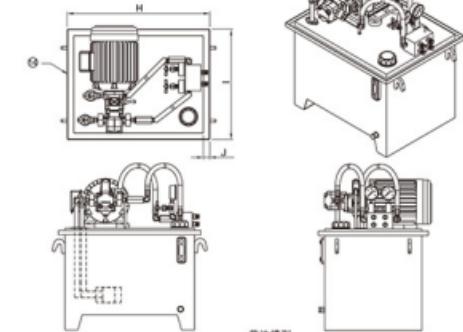
中國液壓元件供應商
Chinese Hydraulic Machinery Supplier
[Http://www.hzyaya.com](http://www.hzyaya.com)

高低壓動力組合VP+HGP系列

High and low pressure hydraulic system VP+HGP series



帶油槽型
With oil groove



帶油槽型
with oil groove

註：訂貨時第10項桂勾
可要求為吊環，雙下頭

Note: The tenth item hook can be replaced by ring as ordered. See the following drawing.



型號 model no.	尺寸 size	with oil groove					
		A height (mm)	B width (mm)	C width (mm)	D width (mm)	E (mm)	F (mm)
SHP-VP30-CHGP2A-100L	730	600	500	450	615	470	70
SHP-VP30-CHGP2A-150L	940	700	550	550	675	500	80
T SHP-VP40-CHGP2A-200L	940	800	600	600	950	520	120



液壓系統系列 油箱配件

Hydraulic System Series reservoir accessories

Hydraulic System Series reservoir accessories

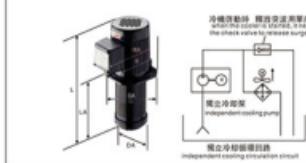
中國液壓元件供應商
Chinese Hydraulics Supplier
[Http://www.hzyyxy.com](http://www.hzyyxy.com)

附表1 attached1M

規範	內容	標準和用意				20...30% 40...50% 100...150% 100...250% 400...800%
		mechanical explanation	electrical explanation	chemical explanation	biological explanation	
C1	高溫油炸鍋的烹煮時間，應以不超過 10 分鐘為原則。	After 10 minutes, the oil temperature will rise sharply due to heat accumulation.	TC series has affected table 1 TC series (see attached table 4)	-	-	□ □
C2	不鏽鋼煮食器煮食時，應以不超過 1 小時為原則。	TC series has affected table 1 TC series (see attached table 4)	-	-	-	□ □
C3	牛舌機及冰水機	Through the analysis of the test results, it is found that the temperature of the food in the cooler is higher than the temperature of the food in the refrigerator.	牛舌機及冰水機	牛舌機及冰水機	牛舌機及冰水機	□ □ □
D	電熱水器	Water heating element	Water heating element	Water heating element	Water heating element	□ □ □
G	荷蘭豆及白蘿蔔切絲機	During the cutting process, the temperature of the food will rise sharply due to friction.	During the cutting process, the temperature of the food will rise sharply due to friction (see attached table 1)	During the cutting process, the temperature of the food will rise sharply due to friction (see attached table 1)	During the cutting process, the temperature of the food will rise sharply due to friction (see attached table 1)	□ □ □
H	叉子夾取及搬運的叉子頭	叉子夾取及搬運的叉子頭	叉子夾取及搬運的叉子頭	叉子夾取及搬運的叉子頭	叉子夾取及搬運的叉子頭	- - -
I	電子秤	電子秤	電子秤	電子秤	電子秤	□ □
J1	每種量度器的刻度尺	電子秤標示的量度尺	電子秤標示的量度尺	電子秤標示的量度尺	電子秤標示的量度尺	- - -
F2	量度器	SP-0600s	SP-0600s	SP-0600s	SP-0600s	□ □ □
F3	量度器	SP-1200s	SP-1200s	SP-1200s	SP-1200s	- - -
K1	量度器 (量度器頭部接觸頭)	SP-AU (量度器頭部接觸頭) SP-B (see attached table 5)	□ □ □			
T	量度尺	WHSX series	WHSX series	WHSX series	WHSX series	□ □ □
V	防止過量飲食的量度器	量度器	量度器	量度器	量度器	- - -
Y	荷蘭豆及白蘿蔔切絲機 (刀頭)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	□ □ □
Z	荷蘭豆及白蘿蔔切絲機 (刀頭)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	Y-AK03 (刀頭) (see attached table 1) (the temperature of the food will rise sharply due to friction, so the temperature of the food will be higher than the temperature of the knife underfriction) (the temperature of the knife is lower than 100°C, the junction is lower than 100°C)	□ □ □
G	荷蘭豆及白蘿蔔切絲機	荷蘭豆及白蘿蔔切絲機	荷蘭豆及白蘿蔔切絲機	荷蘭豆及白蘿蔔切絲機	荷蘭豆及白蘿蔔切絲機	□ □ □
H	荷蘭豆及白蘿蔔切絲機 (刀頭)	荷蘭豆及白蘿蔔切絲機 (刀頭)	荷蘭豆及白蘿蔔切絲機 (刀頭)	荷蘭豆及白蘿蔔切絲機 (刀頭)	荷蘭豆及白蘿蔔切絲機 (刀頭)	□ □ □
L	量度器 (刀頭)	量度器 (刀頭)	量度器 (刀頭)	量度器 (刀頭)	量度器 (刀頭)	□ □ □

附表3

冷却泵--獨立冷卻系統專用



冷却液规格表 specifications of coolant

Hp	疾患 名前	既往歴 年数	L	LA	DA	HA	EA	即時口 頭説明
1/6	TC-6106	8	275	180	134	146	128	1/6
1/6	TC-6106	8	365	180	134	146	128	1/6
1/4	TC-4155	15	344	155	126	190	191	1/6 3/4
1/4	TC-4200	6	406	220	180	191	191	1/6 3/4
1/4	TC-4356	15	536	320	180	191	191	1/6 3/4
1/2	TC-2196	30	365	180	126	170	176	171 1*
1/2	TC-2256	30	495	220	170	176	171	1*
1	TC-1240	50	400	180	151	180	185	1*
1	TC-1386	50	602	380	180	186	185	1*

“流量以#68循环池

附表5 *attached table 5*



固定容量輪葉泵 Constant Displacement Vane Pump

中國法恩元件供應商
Distributor of Hayiya
Http://www.hayiya.cn

低壓固定容量輪葉泵 low pressure constant displacement vane pump



油壓記號
Oil pressure mark

◆選購指南 how to order

50T	23	F	R
系列編號 Series number	柱塞分類 pump output classification	型式 F.直型 L.斜型 L.斜轉斜型 L.直轉斜型	旋轉方向 F.逆時針 L.順時針 L.逆時針 L.順時針
50T	23	F	R
柱塞尺寸 Vane size	柱塞分類 pump output classification	旋轉方向 F.直型 L.斜型 L.斜轉斜型 L.直轉斜型	旋轉方向 F.逆時針 L.順時針 L.逆時針 L.順時針

長壓固定容量輪葉泵性能表
Performance table of low pressure constant displacement vane pump

型號 Model No.	最高使用壓力 Max working pressure (bar)	理論吐出容積 Theoretical output (ml/r)	配管尺寸 接管 size	出口 Outlet	入口 Inlet	選購速度 Optional speed (ml/min)	最高 Max	最低 Min	開度型 Flow control type	重量 Weight (kg)
50T-07	70bar/cm ²	8.8	3/4	1	1	600	2000	10.5	8	
50T-12	70bar/cm ²	11.6	3/4	1	1	600	2000	10.5	8	
50T-17	70bar/cm ²	16.5	3/4	1	1	600	1800	10.5	8	
50T-23	70bar/cm ²	22.9	3/4	1	1	600	1800	10.5	8	
50T-26	70bar/cm ²	25.9	3/4	1	1	600	1800	10.5	8	
50T-36	70bar/cm ²	36	3/4	1	1	600	1800	10.5	8	
50T-39	70bar/cm ²	36.8	3/4	1	1	600	1800	10.5	8	
150T-48	70bar/cm ²	47.7	1 1/4	1 1/2	600	1500	26	25		
150T-61	70bar/cm ²	61.1	1 1/4	1 1/2	600	1500	26	25		
150T-75	70bar/cm ²	74.9	1 1/4	1 1/2	600	1500	26	25		
150T-94	70bar/cm ²	93.6	1 1/4	1 1/2	600	1200	26	25		
150T-116	70bar/cm ²	115.6	1 1/4	1 1/2	600	1200	26	25		

高壓固定容量輪葉泵 high pressure constant displacement vane pump



油壓記號
Oil pressure mark

◆選購指南 how to order

PV.R ₁	23	F	R
系列編號 Series number	柱塞分類 pump output classification	型式 F.直型 L.斜型 L.斜轉斜型 L.直轉斜型	旋轉方向 F.逆時針 L.順時針 L.逆時針 L.順時針
PV.R ₁	23	F	R
柱塞尺寸 Vane size	柱塞分類 pump output classification	型式 F.直型 L.斜型 L.斜轉斜型 L.直轉斜型	旋轉方向 F.逆時針 L.順時針 L.逆時針 L.順時針

註：此型號部分尚未在公司，有需求請函電本公司。
Note: If the needed outputs are not listed here, please contact us.

高壓固定容量輪葉泵性能表
Performance table of high pressure constant displacement vane pump

型號 Model No.	最高使用壓力 Max working pressure (bar)	理論吐出容積 Theoretical output (ml/r)	配管尺寸 接管 size	選購速度 Optional speed (ml/min)	最高 Max	最低 Min	開度型 Flow control type	重量 Weight (kg)
PV2R-08	210bar/cm ²	8.0	1/2	1	750	1800	12.5	10
PV2R-12	210bar/cm ²	12.2	1/2	1	750	1800	12.5	10
PV2R-14	210bar/cm ²	13.7	1/2	1	750	1800	12.5	10
PV2R-19	210bar/cm ²	18.6	1/2	1	750	1800	12.5	10
PV2R-23	210bar/cm ²	22.7	1/2	1	750	1800	12.5	10
PV2R-26	210bar/cm ²	25.8	3/4	1 1/4	600	1800	24.5	19
PV2R-33	210bar/cm ²	33.1	3/4	1 1/4	600	1800	24.5	19
PV2R-45	210bar/cm ²	41.3	3/4	1 1/4	600	1800	24.5	19
PV2R-47	210bar/cm ²	47.2	3/4	1 1/4	600	1800	24.5	19
PV2R-52	210bar/cm ²	52.5	3/4	1 1/4	600	1800	24.5	19
PV2R-59	210bar/cm ²	58.2	3/4	1 1/4	600	1800	24.5	19
PV2R-65	210bar/cm ²	64.7	3/4	1 1/4	600	1800	24.5	19
PV2R-76	210bar/cm ²	76.4	1 1/4	2	600	1800	46.7	36.7
PV2R-94	210bar/cm ²	93.6	1 1/4	2	600	1800	46.7	36.7
PV2R-116	160bar/cm ²	115.6	1 1/4	2	600	1800	46.7	36.7

金莊液壓技術 Hanyi Technology

可變容量輪葉泵

Variable Displacement Vane Pump

中國法恩元件供應商
Distributor of Hayiya
Http://www.hayiya.cn

高低壓泵組合模式 high/low pressure pump integrated mode



齒輪泵 gear pump



GPY	5.B.R	F	R
齒輪泵 gear pump	額定流量 rated displacement	旋轉方向 Flow type	旋轉方向 Flow direction F.逆時針 L.順時針 L.逆時針 L.順時針
GPY	5.B.R	F	R
齒輪泵 gear pump	額定流量 rated displacement	旋轉方向 Flow type	旋轉方向 Flow direction F.逆時針 L.順時針 L.逆時針 L.順時針

型號 Model No.	排量(cc/r) displacement	定轉壓力(Mpa) rated pressure	最高壓力(Mpa) the maximum pressure	最低壓力(Mpa) minimum pressure	最高轉速 maximum speed (ml/min)	最低轉速 minimum speed (ml/min)	重量 Weight (kg)
GPY-3R	2						1.55
GPY-3R	3						1.56
GPY-4R	4						1.58
GPY-5.6R	5.8						1.60
GPY-8R	8						1.65
GPY-9R	9						1.65
GPY-10R	10						1.70
GPY-11.5R	11.5						1.70

日本GPY系列高壓齒輪泵 Japan: GPY series high pressure gear pump



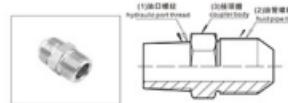
液壓輔助件系列 Other Hydraulic Accessories

中國流量元件供應商
China flow control supplier
Http://www.haytia.cn



液壓輔助件系列 Other Hydraulic Accessories

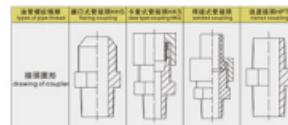
管接頭 coupler



擴口式油管接頭 (74錐度擴口)：軟管用
flaring fluid coupler(74° taper flaring): used in hose



油管螺紋種類 types of pipe thread



油管螺紋 Type of pipe thread	圓柱大螺紋(G) G type thread	卡子式管螺紋 Screwed joint thread	螺紋接頭 Thread fitting	螺紋接頭 Thread fitting
ISO標準 ISO standard	M12x1.0	M14x1.0	M12	M14
GB標準 Chinese standard	M24x1.0	M24x1.5	M24x1.0	M24x1.5
公制螺絲 (M)	M30x2.0	M30x2.5	M30x2.0	M30x2.5

油口螺紋種類 types of hydraulic port thread

油口螺紋 Type of hydraulic port	圓柱管螺紋(55°) taper screw thread		柱狀螺紋(G) metric thread		公制管螺紋(55°) metric thread	
	ISO機頭 (DN name)	內螺紋(T) (PT name)	G (DN name)	M (DN name)	M (DN name)	M (DN name)
ISO機頭 ISO standard	ZG		G	M	M	M
油口螺紋 drawing of hydraulic port						
密封圈 sealants	止漏帶 (PTFE 素帶) top seal (PTFE THREAD SEAL TAPE)		O形圈 O-ring		O形圈 O-ring	
使用說明 instructions	1. 分離時，請向箭頭方向旋轉3-5圈 wind clockwise 3-5 rounds when the teeth and side		硬度H9 hardness		硬度H9 hardness	
緊固扭矩 (kgf·m)	—		G1/8 1.1-1.2	M12x1.5 1.2-1.5	G1/4 2.5-3.0	M14x1.5 3-3.5
—			G1/4 2.5-3.0	M14x1.5 3-3.5	G3/8 4.1-4.8	M16x1.5 3.5-4.5
—			G1/2 7.2-8.2	M18x1.5 3.5-4.5	G5/8 12.4-13.7	M20x1.5 3.5-5
—			G1 18.0-20.0	M24x1.5 4-7	G1/4 19.2-20.0	M24x1.5 4-7
—			G1/2 20.8-27.5	M26x1.5 6-10	G1/2 20.8-27.5	M26x1.5 6-10
—			G2 34.3-35.7	M30x2.0 10-15	G2 34.3-35.7	M30x2.0 10-15
—				M42x2.0 15-22		M42x2.0 15-22
油口 hydraulic port	螺紋 name	外徑-牙數 Outer diameter-thread (mm)-# of teeth	油口 Hydraulic port	螺紋 name	外徑-牙數 Outer diameter-thread (mm)-# of teeth	油口 Hydraulic port
PT1/8	9.7-26	G1/8	PT1/8	12.7-26	G1/8	PT1/8
PT1/4	12.1-19	G1/4	PT1/4	14.1-19	G1/4	PT1/4
PT3/8	15.1-19	G3/8	PT3/8	16.6-19	G3/8	PT3/8
PT1/2	20.4-16	G1/2	PT1/2	20.4-16	G1/2	PT1/2
PT3/4	26.4-14	G3/4	PT3/4	26.4-14	G3/4	PT3/4
PT1	33.2-11	G1	PT1	33.2-11	G1	PT1
PT1/2	41.1-11	G1/2	PT1/2	41.1-11	G1/2	PT1/2
PT1/4	47.8-11	G1/4	PT1/4	47.8-11	G1/4	PT1/4
PT2	59.6-11	G2	PT2	59.6-11	G2	PT2
				M30x2.0	36x2.0	NPT21
				M42x2.0	42x2.0	NPT21



MO系列輕型油壓缸 MO Light Duty Hydraulic Cylinder

中國液压元件供应商
China Hydraulics Supplier
Http://www.hryeya.cn

■輕型油壓缸型號說明 Model code (執行標準 Products Standard: GB/T15622-1995)

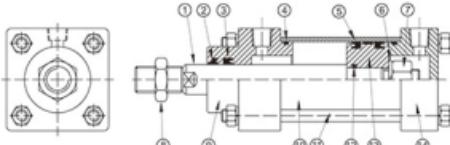


■輕型油壓缸特性資料 Specification

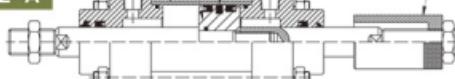
	φ30	φ40	φ50	φ63	φ80	φ100	φ125
以濾清之標準潤滑油 filtered oil							
碳鋼管材 STKM-13C/白鐵管 SUS304/AL tube A6063TDS-T5							
0.3~7.0MPa(3~70kg/cm ²)							
-10~+60(°C)							
8~300(mm/sec)							
標準活塞長度(PM) length of standard piston							
缸制行程 L(150~2500mm) stroke length of cylinder (PM) (when the stroke is different, L=stroke×2)							
缸制行程 L(2501~4000mm) stroke length of cylinder (PM)							
120 30 30 30 35 50 50							
60 60 60 60 70 100 100							
120 120 120 120 140 150 150							

■輕型油壓缸結構圖 Inside Structure

MOB



MODZ-A



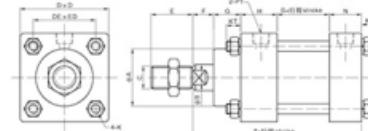
NO	零件名 part name	數量 quantity	NO	零件名 part name	數量 quantity	NO	零件名 part name	數量 quantity
1	活塞杆 piston rod	1	7	螺母 nut	1	13	活塞 piston	1
2	防塵蓋 dust wiper	1	8	軸心螺母 rod nut	1	14	前蓋 end cover	1
3	軸封圈封 rod packing	1	9	前蓋 rod cover	1	15	缸管 cylinder tube	1
4	O型圈 gasket	2	10	缸管 cylinder tube	1	16	拉杆 tie bolt	1
5	孔蓋用封 piston packing	2	11	拉杆 tie bolt	4	17	磁環 magnet	1
6	彈簧墊圈 spring washer	1	12	O型環 gasket	1	18	可調螺母 adjustable nut	1



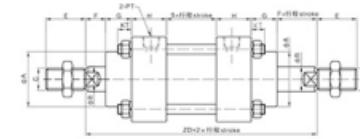
MO系列輕型油壓缸 MO Light Duty Hydraulic Cylinder

中國液压元件供应商
China Hydraulics Supplier
Http://www.hryeya.cn

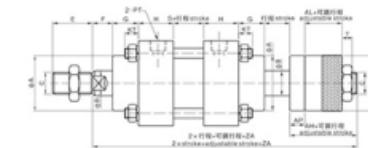
MOB基本型 MOB basic type



MOD-A雙軸型 MOD-A double-end rod



MOD-A雙軸可調型 MOD-A adjustable double-end rod



MO系列輕型油缸外形尺寸 light duty cylinder dimension table

標記 Mark	ΦB	A	C	PT	D	DE	K	K1	E	F	G	H	S	N	AN	AL	AO	AP	T	基座外徑 Base outer diameter	安裝面高度 Mounting face height	可調螺母頭 Adjustable nut head
30	16	30	M14*1.5	1/4"	50	34	M8*1.25	15	28	19	15	29	50	25	35	15	35	10	8	128	150	178
40	20	40	M16*1.5	3/8"	64	45	M8*1.25	15	28	17	20	30	50	30	40	15	40	15	8	147	184	207
50	20	45	M16*1.5	3/8"	70	50	M10*1.5	18	28	17	20	30	50	30	40	15	45	15	8	147	184	207
63	25	55	M22*1.5	3/8"	85	60	M10*1.5	18	40	20	30	50	55	20	55	13	162	212	242			
80	32	62	M26*1.5	1/2"	108	74	M12*1.75	20	40	20	32	37	55	35	60	12	65	13	179	233	263	
100	40	70	M30*1.5	1/2"	122	89	M14*1.5	22	40	20	32	37	60	37	55	15	13	205	258	293		
125	50	85	M40*2	1/2"	147	110	M16*1.5	25	55	25	31	60	49	65	39	65	15	216	272	312		

備註: 1. MO系列行程超過2000mm時, A均上鉤, 拉杆中間加擋圈。

2. MO系列行程超過1500mm時, 逐段考慮參照設計計算性質。

3. When 40 bore > 80mm, and stroke > 1500mm, the piston rod thread M18*1.5.

Note: When the stroke > 2000mm, hook A is needed on the tie rods.

When the stroke > 1500mm, see the cylinder specification table for piston length.



HG 標準柱型油缸

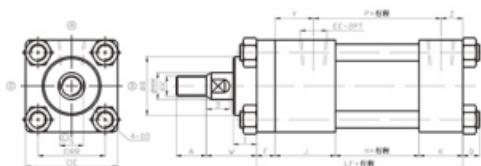
HG Standard cylindrical oil cylinder

中國液压元件供应商
China hydraulic component supplier
Http://www.hgyyca.cn

外部尺寸圖

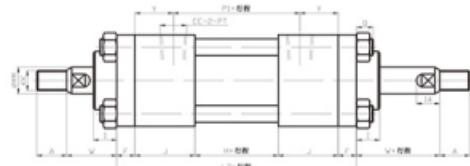
● HG.A-SD複動缸基本型

HG.A-SD double acting oil cylinder basic type



● HG.C-SD雙軸缸基本型

HG.C-SD the biaxial oil cylinder basic type



規格	軸承C級				軸承B級				B	D	E	F	H	I	J	K	P	Q	S	W	Y	Z	DD	EE	UF	LZ	RR		
	MM	KK	A	MM	KK	A	CB	B級																					
30 16	M12 x 1.5	18	20	M16 x 1.5	25	35	14	14	20	25	35	14	14	55	11	11	50	36	26	70	10	40	14	17					
40 20	M16 x 1.5	20	30	M20 x 1.5	30	40	14	14	20	25	35	14	14	65	11	11	50	36	26	70	10	45	21	23					
50 25	M20 x 1.5	25	35	M20 x 1.5	30	40	14	14	20	25	35	14	14	79	14	18	58	42	34	88	10	58	21	27					
63 30	M24 x 1.5	30	50	M24 x 1.5	35	55	14	14	45	65	14	14	9	90	15	20	52	42	34	88	12	65	27	32					
80 35	M30 x 1.5	40	60	M30 x 1.5	45	75	17	17	55	88	42	42	88	12	27	32	35	27	19	M10 x 1.5	38	140	70	52					
100 40	M36 x 1.5	60	56	M48 x 1.5	70	20	22	135	20	74	40	50	114	17	37	50	40	30	20	M10 x 1.5	34	188	214	182					
125 56	M48 x 1.5	75	70	M62 x 2.0	90	55	22	125	24	83	17	58	48	123	20	50	65	45	30	28	M20 x 1.5	34	213	247	122				
150 69	M60 x 2.0	85	85	M76 x 2.0	110	110	22	-	116	28	89	48	129	120	24	62	-	50	38	28	M20 x 1.5	3/4	213	247	148				
180 86	M72 x 2.0	110	100	M85 x 2.0	130	125	-	-	200	35	95	23	68	151	26	-	-	55	40	30	M20 x 1.5	1	254	297	168				
200 96	M86 x 2.0	130	110	M100 x 2.0	150	140	-	-	245	37	100	24	68	158	180	28	-	-	55	38	30	M30 x 2.0	1	263	310	190			
224 106	M95 x 2.0	130	125	M102 x 2.0	170	150	-	-	292	41	105	27	68	161	181	35	-	-	60	40	40	M30 x 2.0	11/4	282	323	205			
250 116	M100 x 2.0	140	140	M120 x 2.0	190	170	-	-	305	46	105	29	68	161	181	39	-	-	65	40	40	M42 x 2.0	11/4	287	333	250			



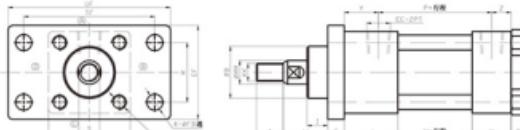
HG 標準柱型油缸

HG Standard cylindrical oil cylinder

外部尺寸圖

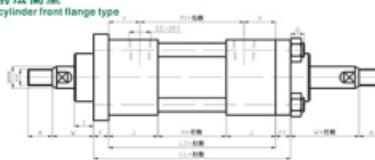
● HG.A-FA複動缸前法蘭型

HG.A-FA double acting oil cylinder front flange type



● HG.C-FA雙軸缸前法蘭型

HG.C-FA the biaxial oil cylinder front flange type



規格	軸承C級				軸承B級				B	D	E	F	H	I	J	K	P	Q	S	W	Y	Z	DD	EE	UF	LZ	RR		
	MM	KK	A	MM	KK	A	CB	B級																					
32 16	M12 x 1.5	18	20	M16 x 1.5	25	35	14	14	20	25	35	14	14	55	11	11	50	36	26	70	10	40	14	17					
40 20	M16 x 1.5	20	30	M20 x 1.5	30	40	14	14	20	25	35	14	14	65	11	11	50	36	26	70	10	45	21	23					
50 25	M20 x 1.5	25	35	M20 x 1.5	30	40	14	14	20	25	35	14	14	79	14	18	58	42	34	88	10	58	21	27					
63 30	M24 x 1.5	30	50	M24 x 1.5	35	55	14	14	45	65	14	14	9	90	15	20	52	42	34	88	12	65	27	32					
80 35	M30 x 1.5	40	60	M30 x 1.5	45	75	17	17	55	88	42	42	88	12	27	32	35	27	19	M10 x 1.5	38	140	70	52					
100 40	M36 x 1.5	60	56	M48 x 1.5	70	20	22	135	20	74	40	50	114	17	37	50	40	30	20	M10 x 1.5	34	188	214	182					
125 56	M48 x 1.5	75	70	M62 x 2.0	90	55	22	125	24	83	17	58	48	123	20	50	65	45	30	28	M20 x 1.5	3/4	213	247	122				
150 69	M60 x 2.0	85	85	M76 x 2.0	110	110	22	-	116	28	89	48	129	120	24	62	-	50	38	28	M20 x 1.5	3/4	213	247	148				
180 86	M72 x 2.0	110	100	M85 x 2.0	130	125	-	-	200	35	95	23	68	151	26	-	-	55	40	30	M20 x 1.5	1	254	297	168				
200 96	M86 x 2.0	130	110	M100 x 2.0	150	140	-	-	245	37	100	24	68	158	180	28	-	-	55	38	30	M30 x 2.0	1	263	310	190			
224 106	M95 x 2.0	130	125	M102 x 2.0	170	150	-	-	292	41	105	27	68	161	181	35	-	-	60	40	40	M30 x 2.0	11/4	282	323	205			
250 116	M100 x 2.0	140	140	M120 x 2.0	190	170	-	-	305	46	105	29	68	161	181	39	-	-	65	40	40	M42 x 2.0	11/4	287	333	250			

規格	W	Y	Z	DD	EE	EF	FB	FF	LL	LF	LZ	TF	UF	
32 30	23	13	M10 x 1.5	3/8	63	11	11	144	144	123	123	122	88	109
40 40	23	13	M10 x 1.5	3/8	69	11	11	144	144	123	123	122	95	118
50 30	27	19	M10 x 1.5	3/8	85	14	14	170	174	148	152	147	115	145
63 45	36	28	M10 x 1.5	3/8	110	19	19	140	140	125	125	125	125	125
80 56	28	23	M16 x 1.5	1/2	116	18	18	195	198	172	172	160	160	150
100 69	30	20	M18 x 1.5	3/8	160	22	20	214	222	194	192	170	190	230
125 85	36	28	M22 x 1.5	3/4	175	26	24	247	256	213	222	199	224	272
150 100	38	26	M26 x 1.5	3/4	210	30	26	267	272	223	234	205	270	320
180 120	40	30	M30 x 2.0	1	243	33	33	310	310	254	267	215	315	375
200 130	40	30	M30 x 2.0	1	235	33	33	295	295	257	268	217	317	385
224 140	40	30	M39 x 2.0	11/4	300	42	41	323	340	282	299	241	395	475
250 160	40	30	M42 x 2.0	11/4	335	45	46	333	352	287	306	241	425	515

公司產品尺寸不經許可有變更及更新，訂購產品時以公司圖紙為準。

中國液压元件供应商
China hydraulic component supplier
Http://www.hgyyca.cn

HCMJ薄型模具油缸附電器盒特性

HCMJ compact mold cylinder

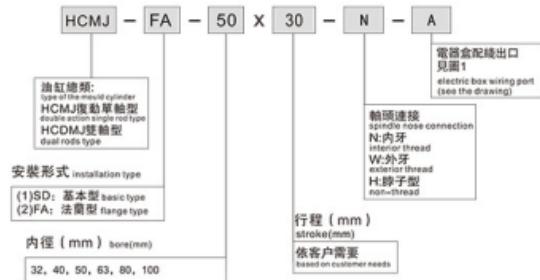


- HCMJ是薄型油壓缸 (HC)，外加電器盒及撞杆，得以準確控制模具中子位置，適合塑膠模具使用的油壓缸。

HCMJ is hydraulic thin-type mould cylinder with electric box and collision rod so as to control the position of mould neutron

薄型模具油缸訂購表示法

How to order thin-type mould cylinder



HCMJ薄型模具油缸內部制造與零件名稱

internal structure and parts of HCMJ hydraulic mould cylinder

記號	零件名稱	數量
①	轉心 axis	1
②	連接板 connection plate	1
③	法蘭(FA) flange	1
④	前蓋 front cover	1
⑤	缸體 cylinder body	1
⑥	活塞 piston	1
⑦	前蓋防塵封套 front cover dust seal	1
⑧	前蓋封套 front seal	1
⑨	前蓋O型環 front cover O-ring	1
⑩	活塞內O型環 piston O-ring	1

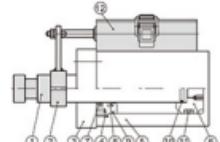
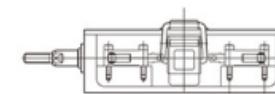
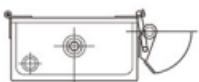
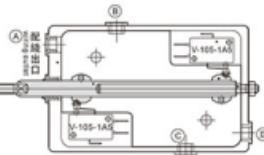


圖1 電氣盒外型圖

electric box external dimension drawing

注:配線出口: ①標準規格
Note: wiring outlet: standard specifications ①
②、③、④可選用
②、③、④ are optional
⑤、⑥、⑦
⑤、⑥、⑦



HCMJ薄型模具油缸微動開關特性與規格

features and specification of mould cylinder micro-motion switch

規格 specification	V-105-1A5	外部尺寸圖 external dimension table
容許操作速度 allowed operation speed	0.1mm--1m/秒 (按鈕型) button type	OF最大 OF maximum RF最小 RF minimum
容許操作頻率 allowed operation frequency	600次/分 600times/min	PT最大 PT maximum OT最大 OT maximum MD最大 MD maximum
絕緣阻抗 insulation impedance	60次/分 60times/min	OP 20.7±0.6mm
接觸抵抗 contact impedance	100MΩ 以上 (DC500V MEGA) above 100MΩ (DC500V MEGA)	
接觸溫度 contact temperature	15MΩ 以下(初期值) below 15MΩ initial value	
使用溫度 working temperature	-25~+85°C (不結冰) -35~+60°C (不結露)	
使用濕度 working humidity	85%RH以下(+5~+35°C) before 85%RH(+5~+35°C)	壽命 Lifetime
保護構造 protection structure	IP60 IP60	機械性 mechanical 5000萬次以上 more than 50million times
		電器性 electrical 30萬次以上 more than 300thousand times