

WSV 立式坑水泵浦

Vertical Sump Pumps.



- 口徑: $\varnothing 25 \sim \varnothing 250\text{mm}$ (1" ~ 10")
- 流量範圍 $0.05\text{m}^3/\text{min} \sim 20\text{m}^3/\text{min}$
- 揚程範圍 2m ~ 100m
- 溫度範圍 232°C
- Ports range $\varnothing 25 \sim \varnothing 250\text{mm}$ (1" ~ 10")
- Capacity range $0.05\text{m}^3/\text{min} \sim 20\text{m}^3/\text{min}$
- Heads range 2m ~ 100m
- Temperatures up to 232°C

ISO 9001
BSMI
認可登錄
ISO 9001
2000/CNS 12681
REGISTERED
6M7Y006

專營：離心泵、多段高壓泵、紙漿泵、
雷射對心墊片、自動加油杯。



萬事興實業有限公司
ALL STAR PUMP ENTERPRISE CO., LTD.



》用途

- 污水、清水、黏度液體。
- 工業製程、海水、雨水。
- 高溫溶液、腐蝕液體。
- 毒氣性及揮發性液體。

》技術特徵

- 安裝容易，亦不佔空間。
- 構造簡單堅固耐用。
- 葉輪為開放式，深入水中，無須呼水裝置，經由外部調整葉輪間隙。
- 揚液不洩漏：出水管與軸管分開，柱管內揚液不上升至底盤，揚液無洩漏之處。
- 水池污水浦輸送。

》配件

- 聯軸器。
- 吸入護網。
- 三相馬達，電壓：208~480V，頻率 60/50Hz 過載保護器由使用者自行安裝在電控箱。

》Application

- Sewage, water, viscous liquid.
- Industrial process, seawater, rainwater.
- Extreme temperature liquids, corrosive liquids.
- Toxic and volatile liquid

》Design Features

- Easily mounted, save more floor space.
- Rugged, heavy duty construction.
- Pump casing are totally immersed in water, no priming is necessary. Fully open impeller with an external adjustment screw to control the tip gap of impeller.
- Column pipe is separated from discharge pipe and liquid is non-pressurizing, and the level of water will does not rise to keep the mounting plate free from leakage.
- Sewage pumps for sump application.

》Accessories

- Coupling I Set
- Inlet strainer
- Three-phase motor: 208~480V 60/50Hz ; overload protection to be provided by user and installed in the control panel.



》構造說明

● 泵殼：

剛性結構設計使軸心可獲得完整的支撐，以傳遞動力到葉輪，並承擔葉輪的軸向力與徑向力，使軸承及軸心延長壽命，下緣裝一濾網以避免異物吸入。

● 葉輪：

可選用全開放及半開放葉輪，兩種葉輪背面都設有背葉以減低軸向推力。

● 軸：

最完善之設計配合軸承與軸管之支撐以強化其剛性並獲得最大之負荷量與最小之扭曲。以不鏽鋼製，並經表面硬化處理，減少摩擦，以延長壽命。

● 底盤：

材質為鋼板或鑄鐵製，圓形或方形底盤。

● 軸管及出水管：

為鋼管焊製，可因揚液不同而採用適當材質。

● 填料函與軸承箱：

- 標準型：無填料函之裝置，軸承箱以油脂潤滑亦可裝配機械軸封。
- 常溫型：有填料函之裝置，軸承箱以油脂潤滑。
- 高溫型：填料函可用水冷卻，軸承箱以機油潤滑並以水冷卻。

》Construction elucidate

● CASING

Integral design offer rigid support for shaft and keep shaft power transferred smoothly, undertake the radial and the axial loadings from impeller, bearing and shaft life in lasting, there is a strainer at inlet to avoid foreigner matter be sucked into.

● IMPELLER

Fully-opened and semi-opened impellers could be chosen, both with the back vanes to balance the axial shaft thrust.

● SHAFT

High stiffness designed with perfect shaft bearing and support in the column pipe, to enhance the stiffness to carry all imposed loading and less distortion.
The shaft is made of specially heat-treated stainless steel with better corrosion resistance and lower running friction, resulting in longer shaft life.

● MOUNTING PLATE:

Made of steel or cast iron usually is in circular or rectangular plate shape.

● COLUMN PIPE AND DISCHARGE PIPE:

Made of steel pipe or other materials fabricated by flange or by welding, could handle different kind liquids.

● BEARING HOUSING & STUFFING BOX:

- Standard model:
Bearing housing without stuff box designed, using grease as the lubricant, and seal by lips seal or by mechanical seal.
- Normal temperature model:
Bearing housing with stuff box designed, using grease as the lubricant.
- High Temperature model:
Bearing housing with stuff box designed, water cooling jacket is optional, stuffing box and oil lubricated bearing, only oil as lubricant.

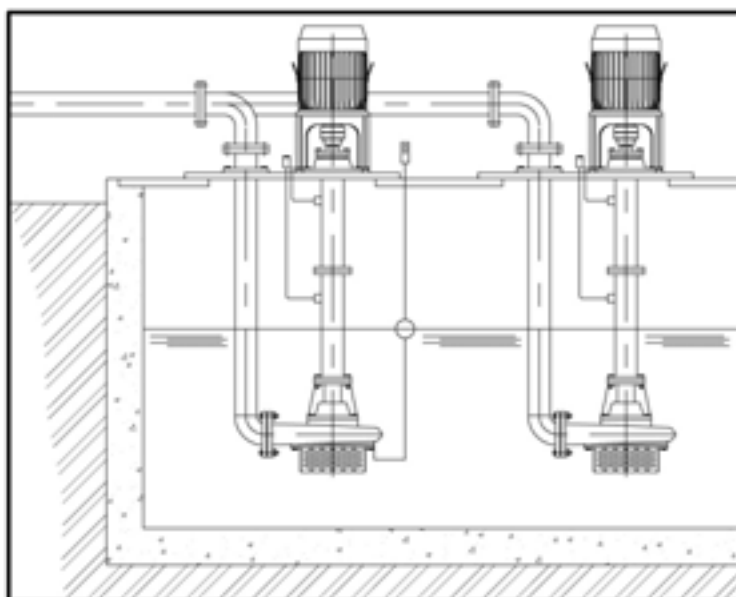


一般水坑用：

- 用途：清水、污水、白水及下水道排水用。
- 優點：
 - a. 泵殼浸水、自吸式。
 - b. 可裝設浮球開關以自動操作。

Sump and General Purpose Applications:

- Typical Uses:
Clean and dirt water, white water and flood drainage.
- Advantages:
 - a. Casing submerged, always primed.
 - b. Automatic operation with float switch.

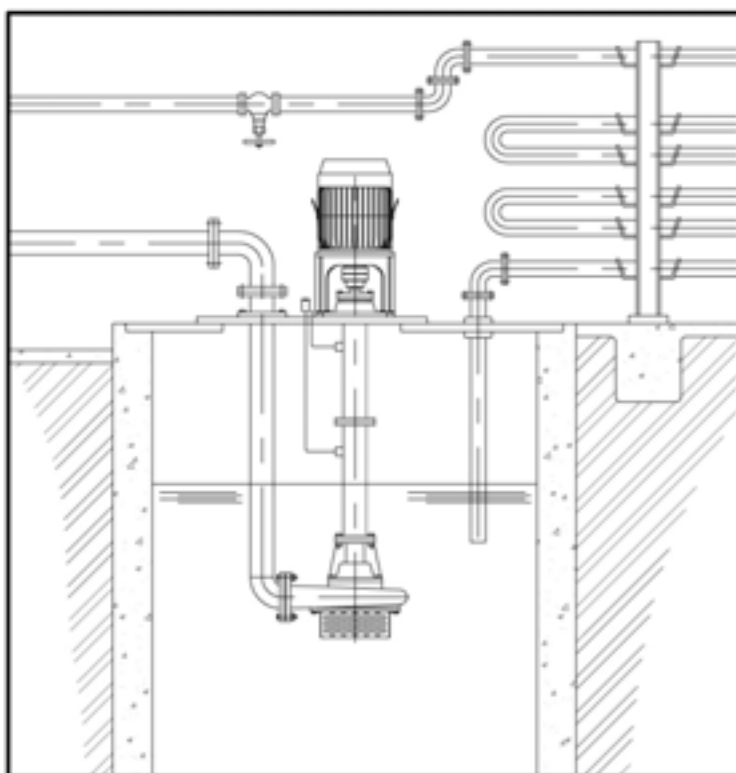


製程循環用：

- 用途：腐蝕液及非腐蝕液體或溶劑之抽送。
- 優點：
 - a. 適用於地面下之流體供應時，可免除乎水之裝置，一般橫式泵浦引起之漏水、漏氣等缺點均可免除。尤以間歇啟動情況，此型泵更為有利。
 - b. 對高溫流體之抽送無須考慮NPSH之因素。

Process Circulation:

- Typical Uses:
Circulation of corrosive, non-corrosive and solvents liquids
- Advantages:
 - a. Ideal for use in applications where the liquid level is below surface. Avoids operation under dry run from poor NPSHa and NPSHr. Valuable on intermittent services eliminates needs for special self-priming pumps.
 - b. Ideal for handling hot water where NPSHa is limited.



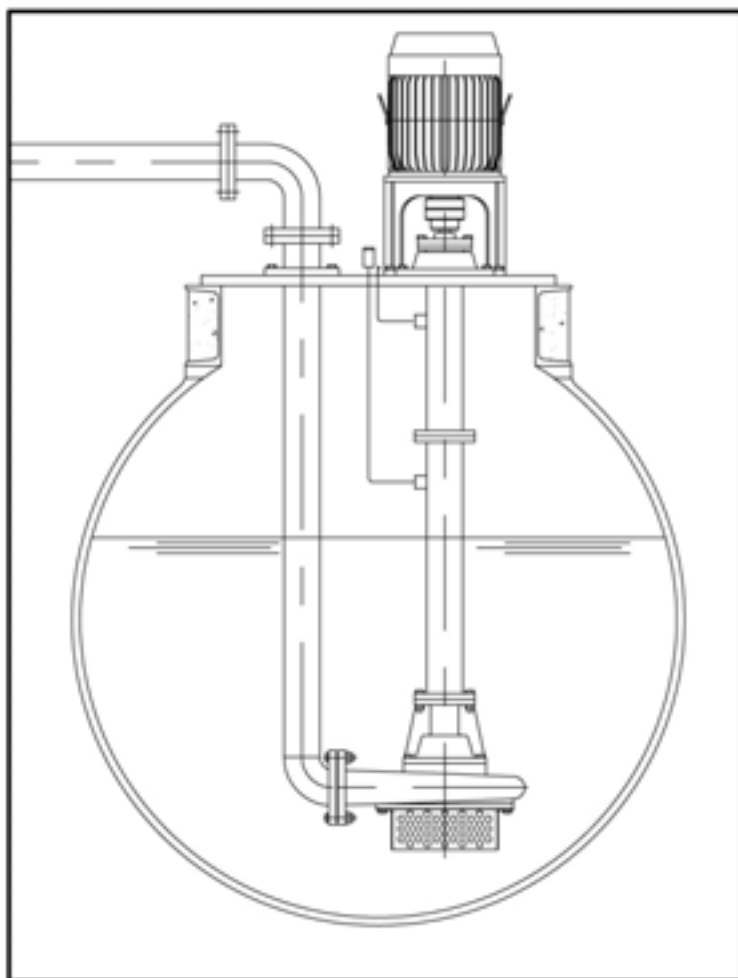


密閉式桶槽之裝置：

- 用途：腐蝕液及非腐蝕液體或溶劑之儲存與抽送。
- 優點：
 - a. 桶槽上可裝設支撐架，以利裝配標準底板，並可省略基礎，減少地面空間，密封桶槽開口，可防止危險或昂貴液體外洩。
 - b. 頂部填料函之設計，使液體從不接觸填料函。可防止有害氣體與液體外洩。

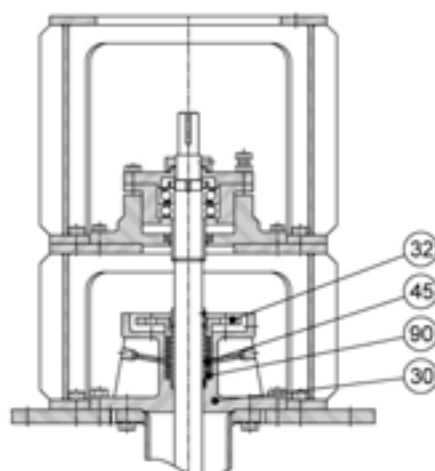
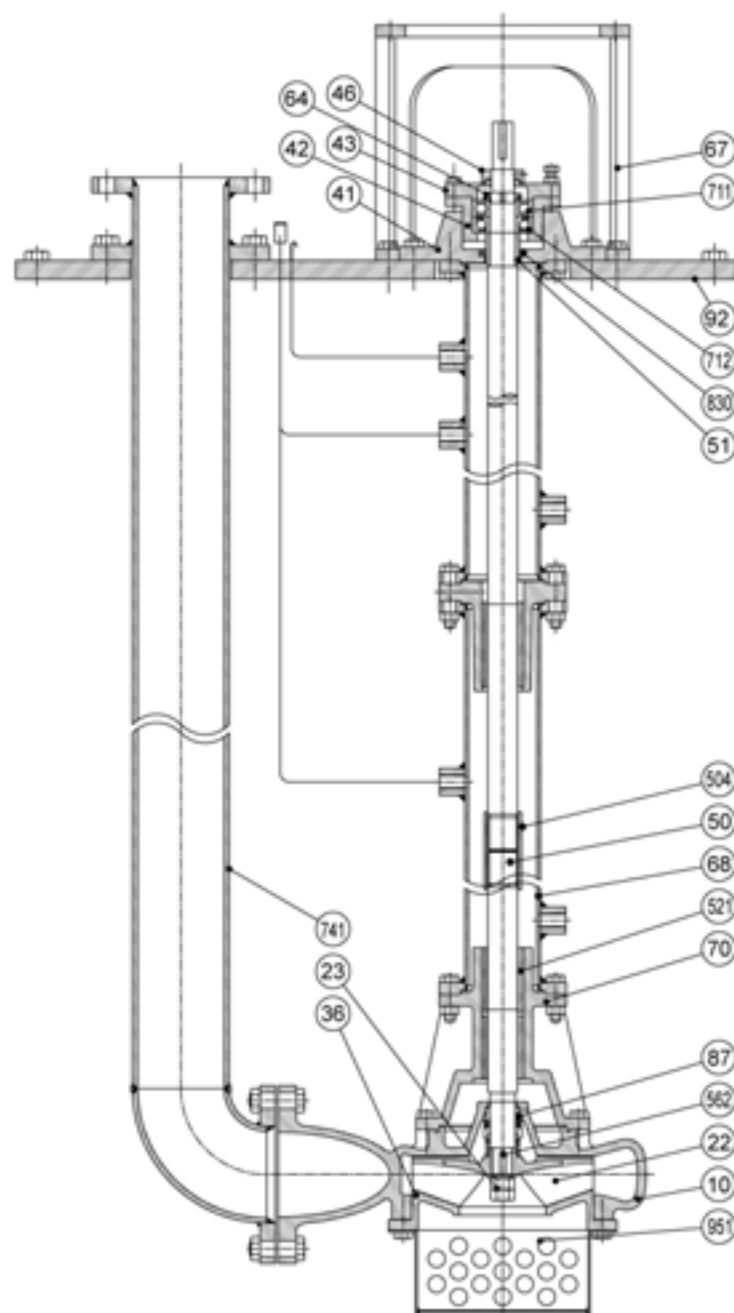
Barrel tank and transferring:

- Typical Uses:
Liquid storage and transfer for corrosive, non-corrosive and solvents liquids
- Advantages:
 - a. Furnished with mounting plates to fit barrel tank open flange, eliminates needs for another supporters and base plate, save floor space for vertical installation, barrel tank without other openings could reduce the risk of the leakage of hazardous or expensive liquids.
 - b. Liquid never coming up to contact with upper stuff box, dangerous fumes or vapor could be sealed by stuff box.





》產品構造(Construction)



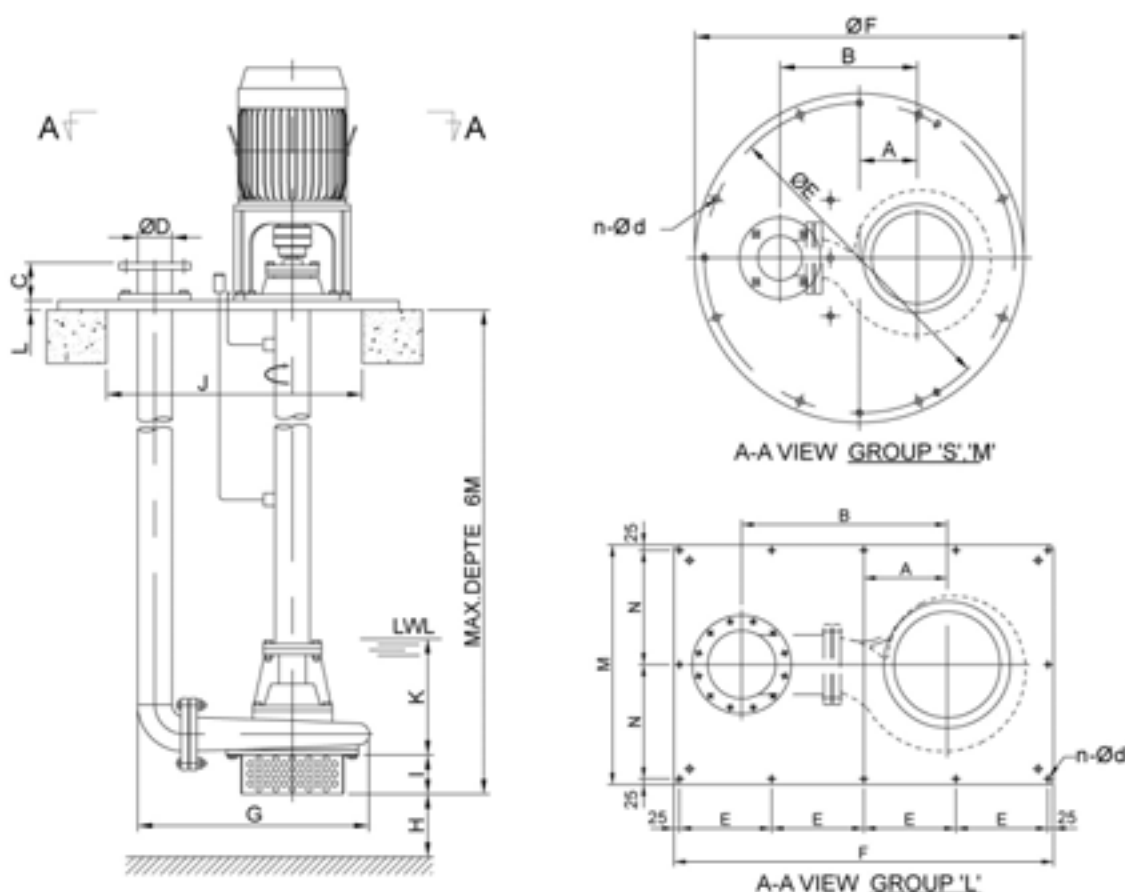
件號 PART NO.	零件名稱 PART NAME	材質 MATERIAL	材質 MATERIAL
10	泵殼 PUMP CASING	FC250	SCS13
22	葉輪 IMPELLER	SCS13	SCS13
23	葉輪螺帽 IMPELLER NUT	SUS304	SUS304
30	填料函 STUFFING BOX	FC250	SCS13
32	填料蓋 GLAND	FC250	SCS13
36	吸入蓋 SUCTION COVER	FC250	SCS13
41	軸承箱 BEARING HOUSING	FC250	FC250
42	小軸承箱 BEARING SHELL	FC250	FC250
43	軸承蓋 BEARING END COVER	FC250	FC250
45	水封環 LANTERN RING	SS400	
46	擋水環 WATER SLINGER	BC	
50	全軸 PUMP SHAFT	SUS410	SUS304
504	接軸器 SHAFT COUPLING	S45C	SUS304
51	軸承軸套 BEARING COLLAR	SUS304	BC
521	頂蓋軸承 STEADY BEARING	BC	BC
562	葉輪鍵 IMPELLER KEY	SUS410	SUS304
64	軸承螺帽 BEARING LOCK NUT	市購品	
67	馬達座 MOTOR SUPPORT	SS400	
68	軸管 DISCHARGE PIPE	SUS316	SUS304
70	頂蓋軸承室 ADAPTER BEARING HOUSING	FCD400	
711	軸承 BALL BEARING	#6306	#6306
712	軸承 BALL BEARING	#7306	#7306
741	出水管 COLUMN EXT	SUS316	SUS304
831	油封 OIL SEAL	TEFLON	RUBBER
87	機械軸封 MECH. SEAL	T460-030	T460-030
90	填料 GLAND PACKING	市購品	
92	底座 PUMP SUPPORT PLATE	SS400	
951	濾網 STRAINER	SUS304	SUS304

※材質部份亦有(FCD, SCS24, 316L)鑄件供選擇※

Different material as ductile iron (FCD), SCS24 or SCS14L also could be offered.



》尺寸表(Standard Dimensions)



軸型式 (Model)	S									M									L	
型號 (Type)	32 160	25 210	40 210	40 290	65 220	65 250	80 200	80 280	100 210	80 330	100 280	100 330	125 280	125 330	150 200	150 280	150 320	150 350	200 320	250 320
A	95	95	95	95	95	130	130	150	150	155	155	170	215	215	225	225	225	225	305	375
B	290	290	290	325	290	345	345	355	380	420	410	445	515	515	565	565	565	565	725	925
C	100	100	100	100	100	100	100	100	100	128	128	128	128	128	128	128	128	128	120	120
D	65	80	100	80	125	125	125	125	150	125	150	150	150	200	200	200	250	200	300	400
E	680	680	680	680	680	750	750	800	800	860	860	930	1020	1020	1120	1120	1120	1120	415	415
F	730	730	730	730	730	800	800	850	850	910	910	980	1070	1070	1170	1170	1170	1170	1710	1710
G	430	470	500	550	550	590	590	630	640	660	680	760	820	840	950	950	950	950	1180	1500
H	100	100	100	100	100	150	150	150	100	150	150	150	150	150	150	150	150	150	150	150
I	90	90	90	100	100	100	100	100	140	100	100	100	100	100	100	100	100	100	100	100
J	540	540	540	600	600	650	650	680	680	740	740	800	900	900	1000	1000	1000	1000	1550X850	
K	300	300	300	300	300	300	300	350	300	350	350	350	350	350	350	350	350	350	600	800
L	19	19	19	19	19	19	19	25	22	22	22	22	22	22	22	22	22	22	30	30
M	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1080	1080
N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	515	515
n-ød	8-19	8-19	8-19	8-19	8-19	8-19	8-19	8-19	8-19	8-19	8-19	12-19	12-19	12-19	12-19	12-19	12-19	12-19	12-19	12-19

※以上尺寸僅供參考，正確尺寸依承認圖為基準。

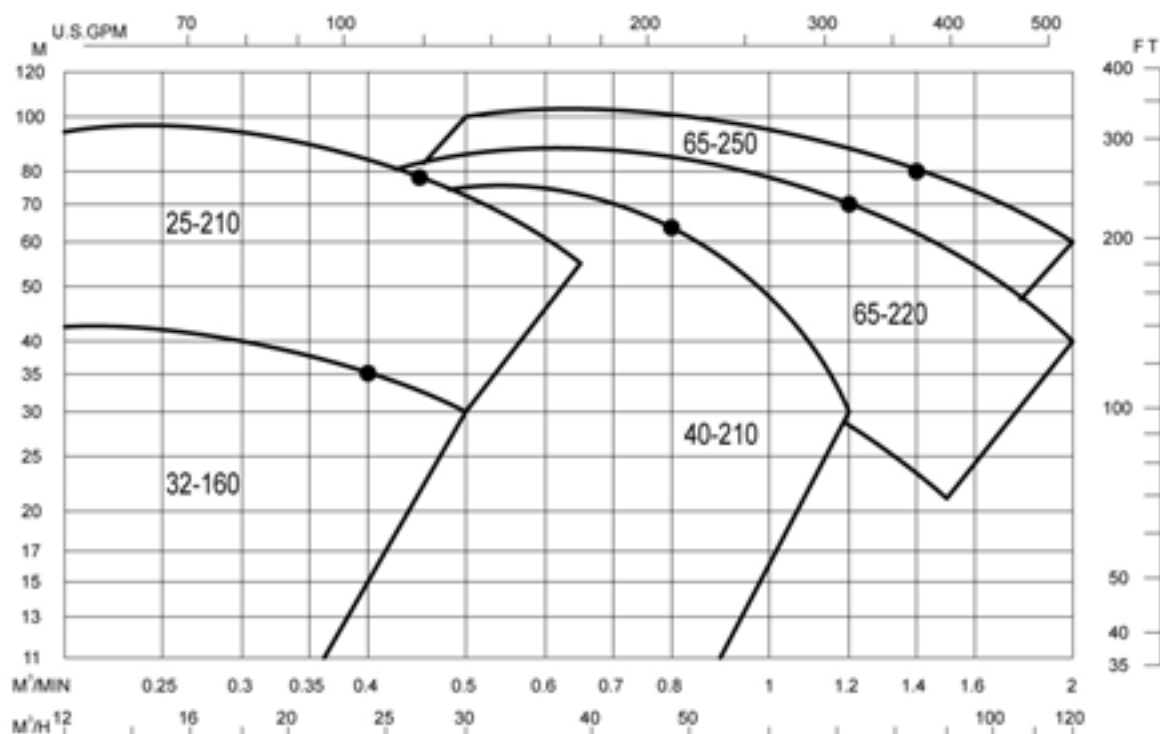
單位(UNIT):mm

※ The above-mentioned size are only for reference, the correct size, in accordance with acknowledging pursuing as basis.



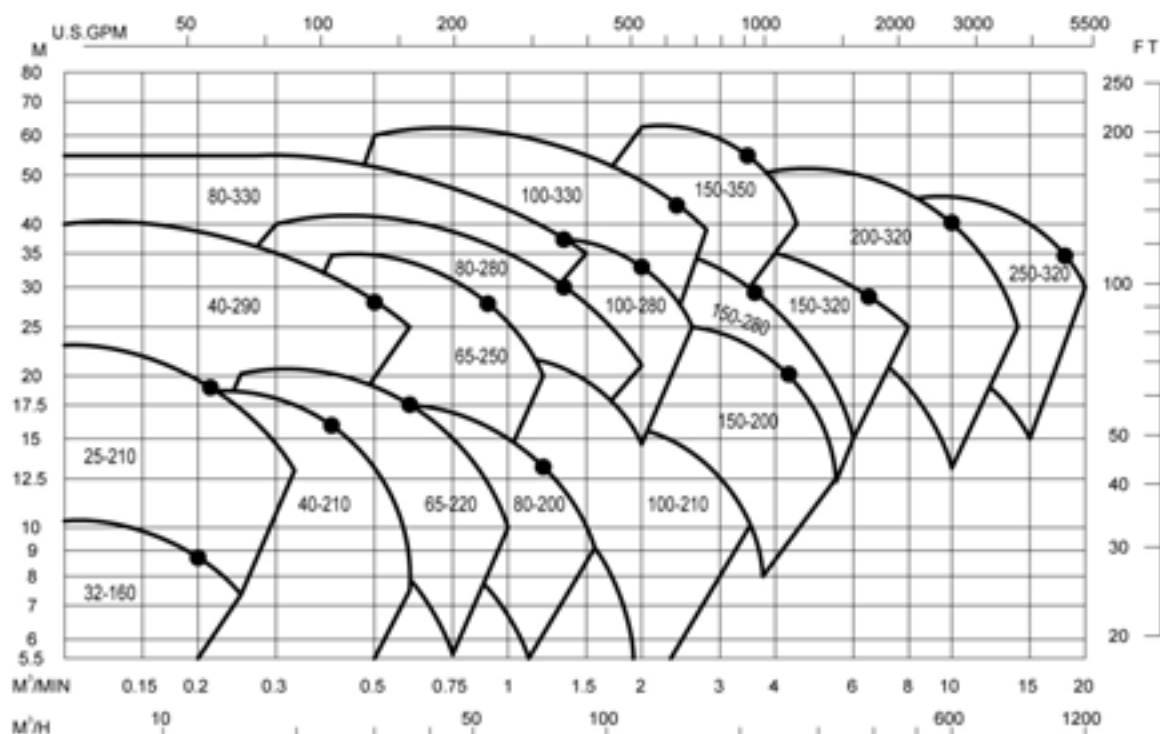
ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: WSV 60HZ:3550R.P.M

性能選擇表 PERFORMANCE RANGES



ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: WSV 60HZ:1750R.P.M

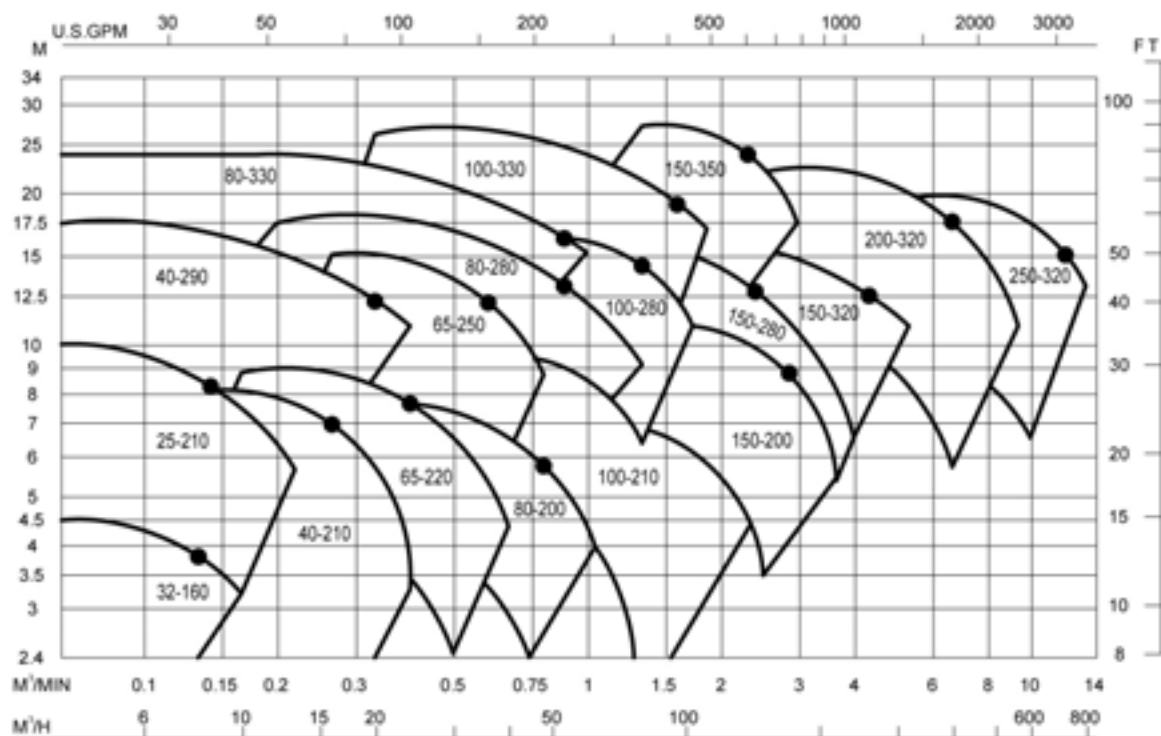
性能選擇表 PERFORMANCE RANGES





ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: WSV 60HZ:1170R.P.M

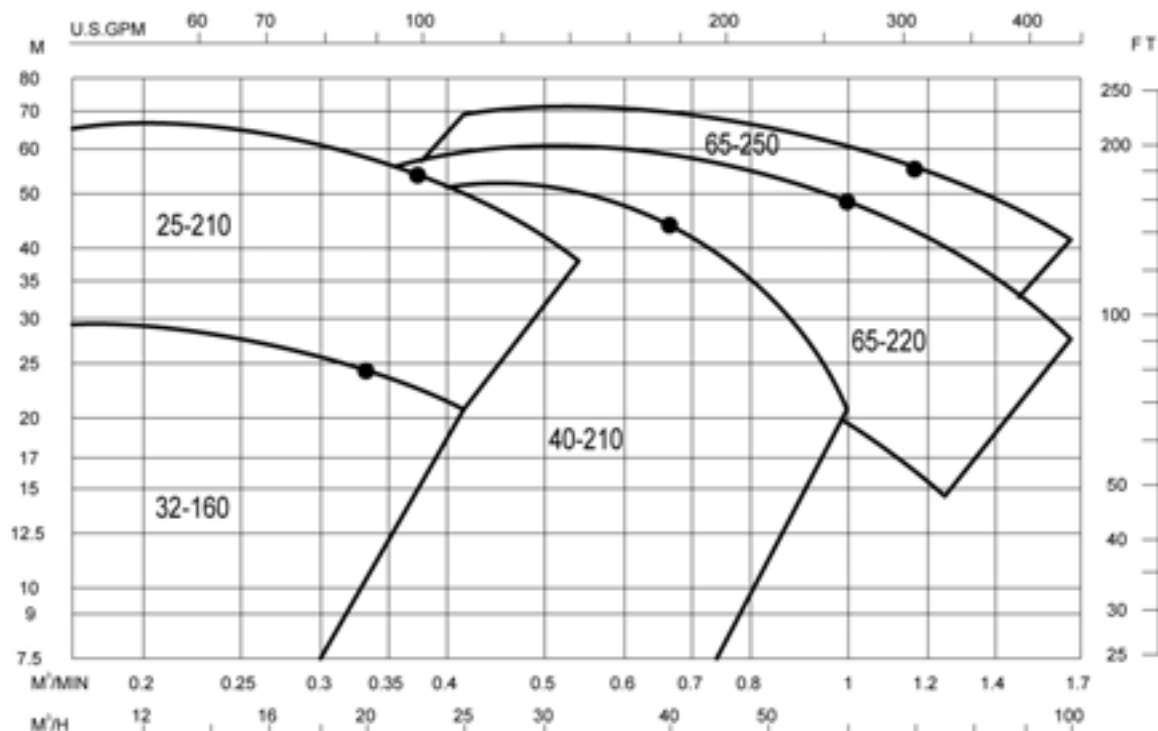
性能選擇表 PERFORMANCE RANGES





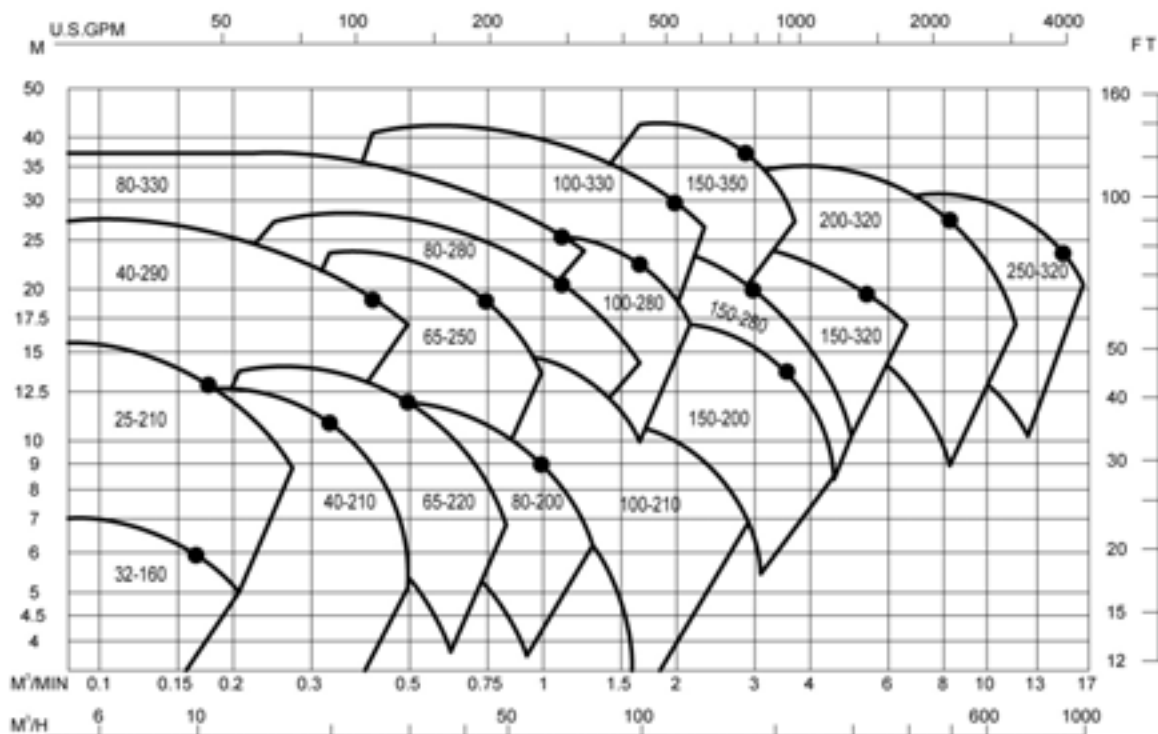
ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: WSV 50HZ:2950R.P.M

性能選擇表 PERFORMANCE RANGES



ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: WSV 50HZ:1460R.P.M

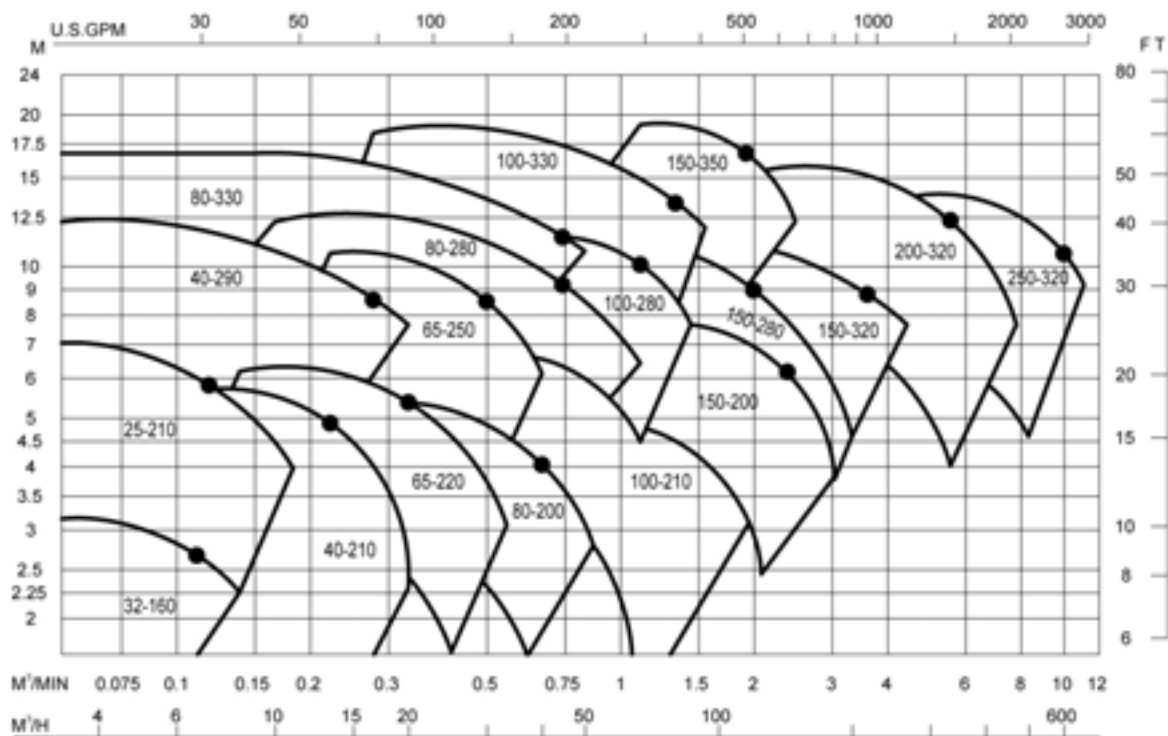
性能選擇表 PERFORMANCE RANGES





ALL STAR PUMP ENTERPRISE CO., LTD. MODEL: WSV 50HZ:980R.P.M

性能選擇表 PERFORMANCE RANGES





萬事興
ALL STAR PUMP

立式坑水泵浦 WSV

WSV Vertical Sump Pumps

》如蒙洽詢請指示下列各項

In sending your enquiry or order, please inform us with the following Informations in detail:

1. 出水量(Capacity): _____ m³/min, _____ US.GPM or _____ IMP. GPM .
2. 總揚程(Total head): _____ m or _____ feet
3. 液體(Liquid): _____
4. 液體溫度(Temperature of liquid): _____ °C or _____ °F
5. 紙漿濃度(Pulp consistency): _____ %
6. 比重(Specific gravity): _____
7. 酸鹼度(P.H.): _____
8. 運轉溫度下之蒸氣壓力(Vapor pressure at operating temperature):
_____ kg/cm², or _____ PSIA
9. 可用之淨有效吸入揚程(NPSH available): _____ m or _____ feet
10. 泵浦迴轉數(Pump speed): _____ rpm
11. 驅動馬達出力(Driven motor output): _____ KW or _____ HP
12. 電源特性(Electric characteristics):
_____ Phase _____ Cycle _____ Volts



萬事興實業有限公司
ALL STAR PUMP ENTERPRISE CO.,LTD.

嘉義市港坪里育人路165巷41弄14號 電話：05-2359597 傳真：05-2358969

No.14 Alley 41, Lane 165, Yu Zen Road, Gun-Pingli, Chia-Yi City, Taiwan.R.O.C.

TEL:886-5-2359597 FAX:886-5-2358969

<http://www.aspump.com.tw> E-mail:starpump@ms26.hinet.net