

SELF PRIMING PUMP



自吸式泵浦



▶▶▶
MSSP
自吸式聯軸泵



▶▶▶
KSSP
自吸式同軸泵

特點 FEATURE

- | | |
|--|---|
| <p>1 自吸式泵浦：泵體特殊構造，自吸能力高、揚水時間短。</p> <p>2 不必加裝底閥，最初加水即可自行排氣揚水，減少灌水麻煩。</p> <p>3 聯軸式：採用背向拉出 (BACK-PULL-OUT) 設計，泵浦與馬達分開，泵浦結構強及維修方便性較佳，製作變化性較大 (可依客戶流體變化及製作條件要求變動)；支援 API 振動規範及軸封沖洗規範。</p> <p>4 同軸式：採用同軸直接式構造，體型小，重量輕，佔用空間小，安裝方便。</p> <p>5 半開方式葉輪設計可適合顆粒或長纖維雜物或污泥等液體抽送。(若流體乾淨時可改密閉式葉輪製作。)</p> | <p>1 Self-priming Pump : Configured in a special construction to achieve higher self-priming capacity and shorter pumping time.</p> <p>2 Saving the need of an additional Foot Valve. It performs exhaust pumping when first changed to reduce the trouble of pouring water.</p> <p>3 Coupling Type : Designed in Back-Pull-out type. The pump is separated from the motor to provide a stronger structure and more convenient maintenance. It is configured with more flexibility (it can be modified according to the change of fluid and production conditions required by the customer). Further, it also supports API vibration specification and shaft seal flushing specification.</p> <p>4 Coaxial Type : Designed in direct coaxial construction. Lighter, less space and easier for installation.</p> <p>5 Semi-open Impeller Design : Suitable for pumping liquid containing particles, longer fiber objects or mud (in case of clean fluid, it can be set to sealed impeller model).</p> |
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用途 INTRODUCTION

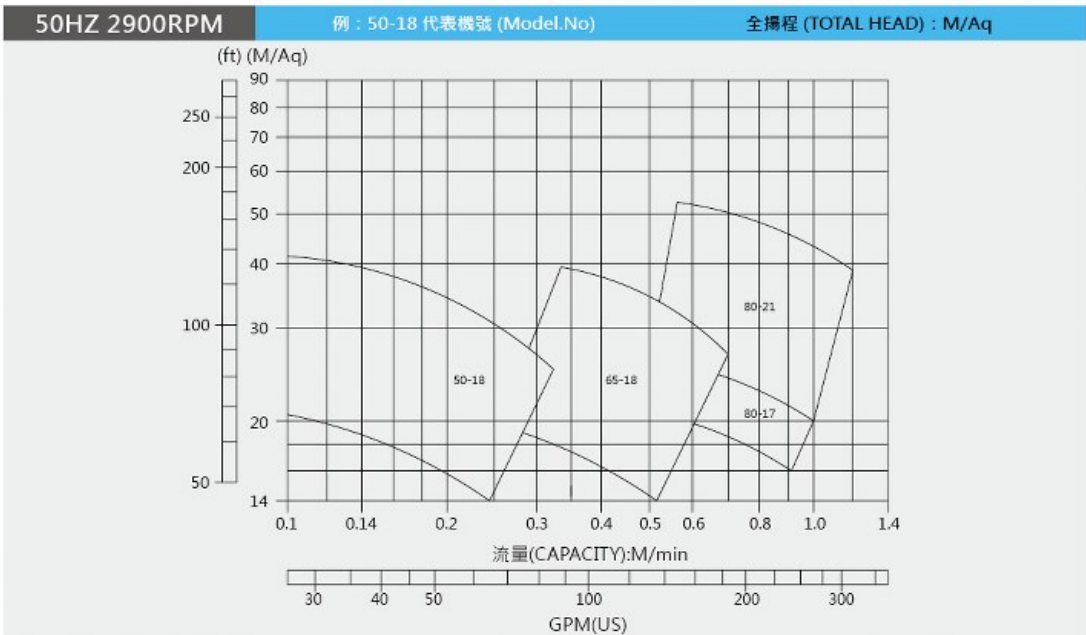
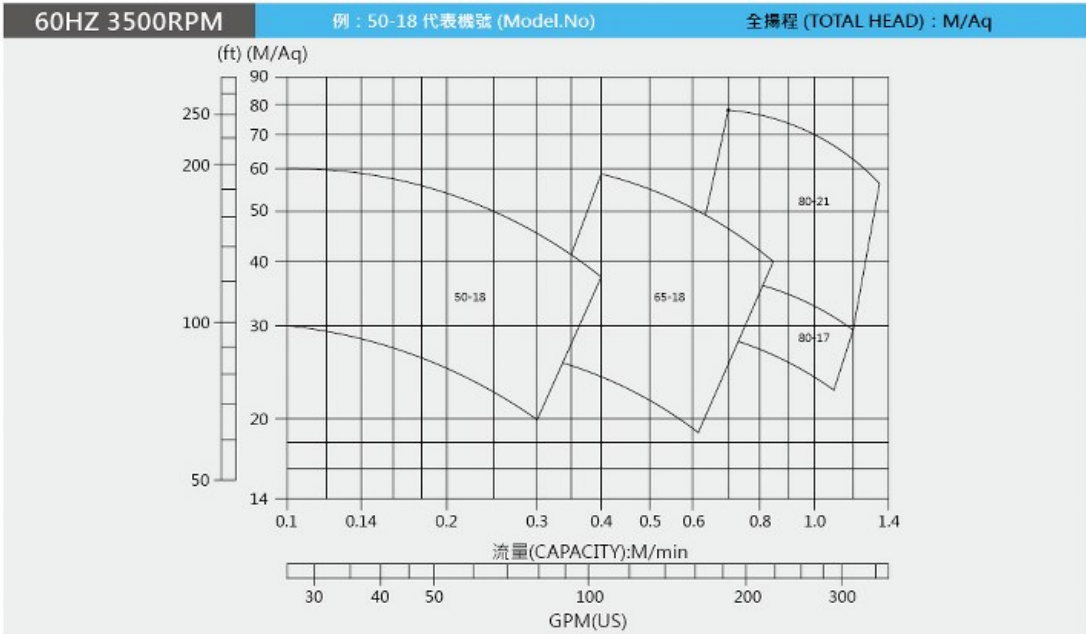
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|--|---|
| <p>1 產業工廠給水、排水用</p> <p>2 建築工事給水、排水用</p> <p>3 農耕栽培灌溉、排水用</p> <p>4 防洪排水用</p> <p>5 下水道污水或污水處理廠污水輸送</p> <p>6 化學液體、溶劑、食品等輸送</p> | <p>Water supply and drainage of industrial factories.</p> <p>Water supply and drainage of construction works.</p> <p>Irrigation and drainage of agricultural cultivation.</p> <p>Flood control and drainage.</p> <p>Conveying of effluent for sewer system or wastewater treatment plant.</p> <p>Conveying of chemical liquid, solvent and food, etc.</p> |
|--|---|



自吸式泵浦

聯軸 × 同軸

性能曲線圖 PERFORMANCE CURVE



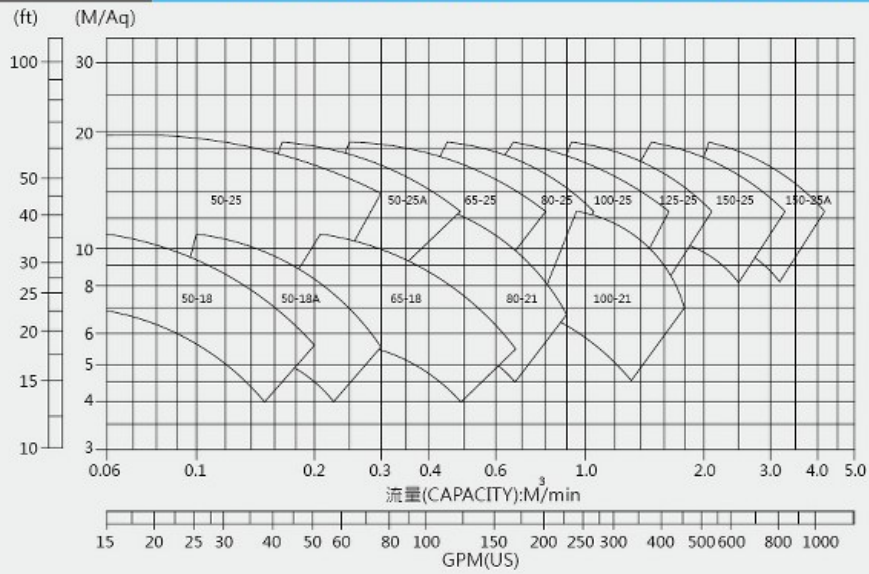
※ 本公司持續開發新規格，若所選用非上述性能，歡迎向本公司洽詢。

性能曲線圖 PERFORMANCE CURVE

50HZ 1450RPM

例：50-18 代表機號 (Model.No)

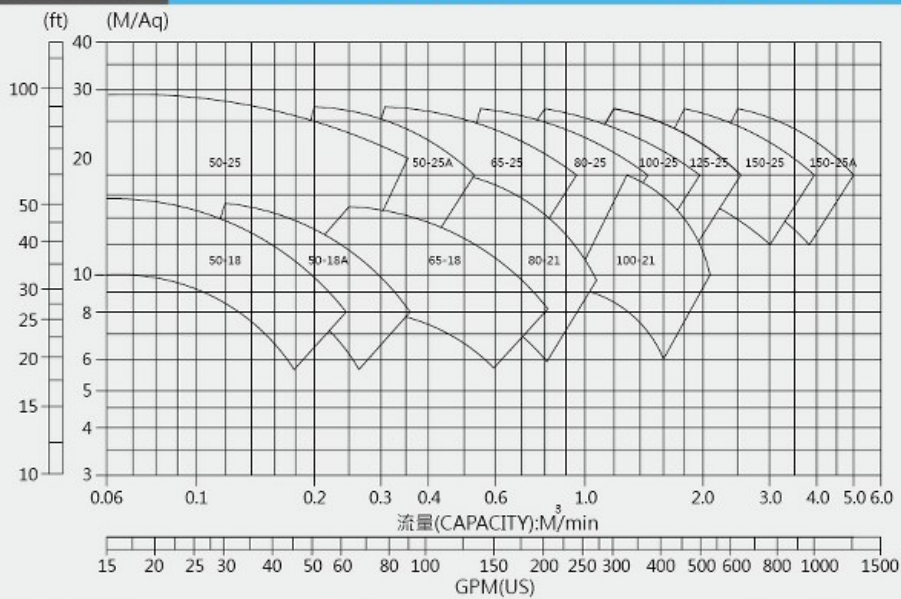
全揚程 (TOTAL HEAD) : M/Aq



60HZ 1750RPM

例：50-18 代表機號 (Model.No)

全揚程 (TOTAL HEAD) : M/Aq



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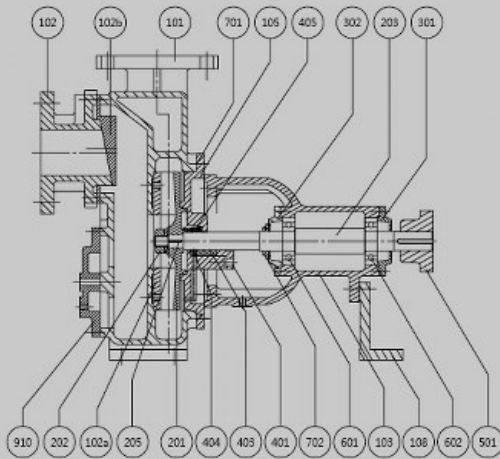
構造圖 CONSTRUCTION

| KSSP 構造圖 同軸式 (Coaxial) | | 件號 | 名稱 Component | 材質 (A) | 材質 (B) | 材質 (C) |
|------------------------|------|----------------------|--------------------------|--------|--------|--------|
| | 101 | 泵殼 Casing | FC200 | SCS13A | SCS14A | |
| | 102 | 吸入殼 Suction cover | FC200 | SCS13A | SCS14A | |
| | 102a | 吸入環 Suction ring | FC200 | SCS13A | SCS14A | |
| | 102b | 止回閥 Check valve | SS400+NBR 或其他材質 (配合液體選擇) | | | |
| | 105 | 側蓋 Seal plate | FC200 | SCS13A | SCS14A | |
| | 201 | 葉輪 Impeller | FC200/BC6 | SCS13A | SCS14A | |
| | 202 | 固定螺帽 Lock nut | SUS304 | SUS304 | SUS316 | |
| | 203 | 馬達軸 Motor shaft | 配合馬達製作 | | | |
| | 205 | 葉輪鍵 Impeller key | SUS304 | SUS304 | SUS316 | |
| | 405 | 機械密封 Mechanical seal | 配合液體選擇 | | | |
| | 701 | 墊片 Packing | V#1500 | V#1500 | V#1500 | |
| | 903 | 馬達座 Motor pedestal | SS400 | SS400 | SS400 | |
| | 910 | 掃除蓋 Clear cover | FC200 | SCS13A | SCS14A | |
| | 990 | 底座 Base | SS400 | SS400 | SS400 | |

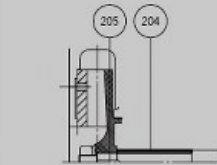
| MSSP 構造圖 聯軸式 (無支腳) | | 件號 | 名稱 Component | 材質 (A) | 材質 (B) | 材質 (C) |
|--------------------|-------------------|------------------------|--------------------------|--------|--------|--------|
| | 101 | 泵殼 Casing | FC200 | SCS13A | SCS14A | |
| | 102 | 吸入殼 Suction cover | FC200 | SCS13A | SCS14A | |
| | 102a | 吸入環 Suction ring | FC200 | SCS13A | SCS14A | |
| | 102b | 止回閥 Check valve | SS400+NBR 或其他材質 (配合液體選擇) | | | |
| | 103 | 軸承箱 Bearing housing | FC200 | FC200 | FC200 | |
| | 105 | 側蓋 Seal plate | FC200 | SCS13A | SCS14A | |
| | 201 | 葉輪 Impeller | FC200/BC6 | SCS13A | SCS14A | |
| | 202 | 固定螺帽 Lock nut | SUS304 | SUS304 | SUS316 | |
| | 203 | 泵軸 Shaft | SUS304 | SUS304 | SUS316 | |
| | 205 | 葉輪鍵 Impeller key | SUS304 | SUS304 | SUS316 | |
| | 301 | 軸承蓋 Bearing cover-rear | FC200 | FC200 | FC200 | |
| | 302 | 軸承蓋 Bearing cover-rear | FC200 | FC200 | FC200 | |
| | 401 | FC200 | SCS13A | SCS14A | | |
| | 403 | 填料 Racking | V#133 | V#7133 | V#7133 | |
| | 404 | 冷卻環 Lantern | BC6 | SUS304 | SUS316 | |
| | 405 | 機械密封 Mechanical seal | 配合液體選擇 | | | |
| | 501 | 聯軸器 Coupling | FC200 | FC200 | FC200 | |
| | 601 | 球軸承 Ball bearing | | | | |
| 602 | 球軸承 Ball bearing | | | | | |
| 701 | 墊片 Packing | V#1500 | V#1500 | V#1500 | | |
| 702 | 擋水環 Water slinger | Rubber | Rubber | Rubber | | |
| 910 | 掃除蓋 Clear cover | FC200 | SCS13A | SCS14A | | |

構造圖 CONSTRUCTION

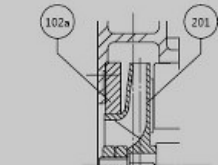
MSSP 構造圖 聯軸式 (附支腳)



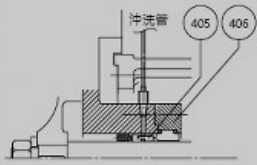
1 配軸套筒 With shaft sleeves



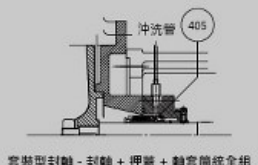
2 配密閉式葉輪 With close impeller



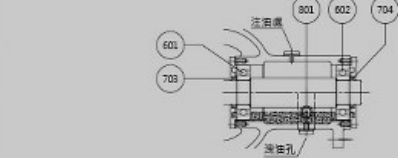
3 配化工用機械軸封型 Mechanical seals for process chemicals



4 配套裝型機械軸封 Mechanical seals for cartridge seal



5 球軸承用機油潤滑型 Bearing housing with oil bath



| 件號 | 名稱 Component | 材質 (A) | 材質 (B) | 材質 (C) | 材質 (D) |
|------|----------------------------|--------------------------|--------|--------|--------|
| 101 | 泵殼 Casing | FC200 | FCD45 | SCS13A | SCS14A |
| 102 | 吸入殼 Suction cover | FC200 | FCD45 | SCS13A | SCS14A |
| 102a | 吸入環 Suction ring | FC200 | FCD45 | SCS13A | SCS14A |
| 102b | 止回閥 Check valve | SS400+NBR 或其他材質 (配合液體製作) | | | |
| 103 | 軸承箱 Bearing housing | FC200 | FC200 | FC200 | FC200 |
| 105 | 側蓋 Seal plate | FC200 | FCD45 | SCS13A | SCS14A |
| 108 | 支腳 Bearing housing support | FC200 | FC200 | FC200 | FC200 |
| 201 | 葉輪 Impeller | FC200/BC6 | FCD45 | SCS13A | SCS14A |
| 202 | 固定螺帽 Lock nut | SUS304 | SUS304 | SUS304 | SUS316 |
| 203 | 葉輪軸 Shaft | SUS410 | SUS410 | SUS304 | SUS316 |
| 204 | 軸套筒 Sleeve | SUS410 | SUS410 | SUS304 | SUS316 |
| 205 | 葉輪鍵 Impeller key | SUS304 | SUS304 | SUS304 | SUS316 |
| 301 | 軸承蓋 Bearing cover-front | FC200 | FC200 | FC200 | FC200 |
| 302 | 軸承蓋 Bearing cover-rear | FC200 | FC200 | FC200 | FC200 |
| 401 | 填料蓋 Gland | FC200 | FCD45 | SCS13A | SCS14A |
| 403 | 填料 Racking | V#133 | V#133 | V#7133 | V#7133 |
| 404 | 冷卻環 Lantern | BC6 | BC6 | SUS304 | SUS316 |
| 405 | 機械軸封 Mechanical seal | 配合液體選擇 | | | |
| 406 | 軸封罩 Seal cover | SUS304 | SUS304 | SUS304 | SUS316 |
| 501 | 聯軸器 Coupling | FC200 | FC200 | FC200 | FC200 |
| 601 | 球軸承 Ball bearing | | | | |
| 602 | 球軸承 Ball bearing | | | | |
| 701 | 墊片 Packing | V#1500 | V#1500 | V#1500 | V#1500 |
| 702 | 擋水環 Water slinger | Rubber | Rubber | Rubber | Rubber |
| 703 | 油封 Oil seal | Rubber | Rubber | Rubber | Rubber |
| 704 | 油封 Oil seal | Rubber | Rubber | Rubber | Rubber |
| 801 | 油面鏡 Oil mirror | 壓克力 | 壓克力 | 壓克力 | 壓克力 |
| 910 | 掃除蓋 Clear cover | FC200 | FCD45 | SCS13A | SCS14A |



外型尺寸圖 DIMENSIONS

自吸式離心泵浦性能建議 SELF-PRIMING CENTRIFUGAL PUMP PERFORMANCE

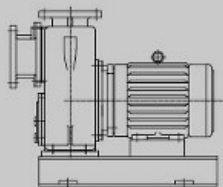
| 型式 | 口徑 (mm) | | 馬達極數 (轉速) | 水量 (CMM) | 揚程 (M/Aq) | 馬力 (HP) | 馬達極數 (轉速) | 水量 (CMM) | 揚程 (M/Aq) | 馬力 (HP) |
|---------|---------|------|-----------------|-------------|--------------|------------|-----------------|-------------|--------------|------------|
| | 入口 | 出口 | | | | | | | | |
| 50-18 | ø50 | ø50 | 2P (3500RPM) | 0~0.40 | 66~22 | 3~10HP | 2P (2900RPM) | 0~0.34 | 41.5~15 | 3~7.5HP |
| | | | 4P (1750RPM) | 0~0.22 | 15~6 | 1~2HP | 4P (1450RPM) | 0~0.183 | 10.5~4.2 | 1~2HP |
| 50-18A | ø50 | ø50 | 4P (1750RPM) | 0.15~0.35 | 15~6 | 1~2HP | 4P (1450RPM) | 0.125~0.29 | 10.5~4.2 | 1~2HP |
| 50-25 | ø50 | ø50 | 4P (1750RPM) | 0~0.35 | 28~12 | 3~5HP | 4P (1450RPM) | 0~0.29 | 19.5~8.3 | 2~3HP |
| 50-25A | ø50 | ø50 | 4P (1750RPM) | 0.20~0.46 | 28~12 | 5~7.5HP | 4P (1450RPM) | 0.167~0.383 | 19.5~8.3 | 2~5HP |
| 65-18 | ø65 | ø65 | 2P (3500RPM) | 0.35~0.82 | 58~22 | 5~20HP | 2P (2900RPM) | 0.29~0.68 | 40~15 | 3~15HP |
| | | | 4P (1750RPM) | 0.25~0.80 | 15~6 | 2~5HP | 4P (1450RPM) | 0.21~0.67 | 10.5~4.2 | 2~3HP |
| 65-25 | ø65 | ø65 | 4P (1750RPM) | 0.35~0.90 | 28~12 | 5~7.5HP | 4P (1450RPM) | 0.29~0.75 | 19.5~8.3 | 3~5HP |
| 80-17 | ø80 | ø80 | 2P (3500RPM) | 0.60~1.1 | 38~22 | 10~15HP | 2P (2900RPM) | 0.50~0.92 | 26~15 | 5~10HP |
| 80-21 | ø80 | ø80 | 2P (3500RPM) | 0.75~1.20 | 75~40 | 15~40HP | 2P (2900RPM) | 0.75~1.20 | 75~40 | 15~40HP |
| | | | 4P (1750RPM) | 0.52~1.05 | 18~6 | 5~10HP | 4P (1450RPM) | 0.43~0.875 | 12.5~4.2 | 3~7.5HP |
| 80-25 | ø80 | ø80 | 4P (1750RPM) | 0.55~1.2 | 28~12 | 7.5~15HP | 4P (1450RPM) | 0.46~1.0 | 19.5~8.3 | 5~10HP |
| 100-21 | ø100 | ø100 | 4P (1750RPM) | 1.1~2.05 | 18~6 | 7.5~15HP | 4P (1450RPM) | 0.92~1.71 | 12.5~4.2 | 5~10HP |
| 100-25 | ø100 | ø100 | 4P (1750RPM) | 0.70~1.95 | 28~12 | 10~20HP | 4P (1450RPM) | 0.58~1.63 | 19.5~8.3 | 5~15HP |
| 125-25 | ø125 | ø125 | 4P (1750RPM) | 1.1~2.5 | 28~12 | 10~25HP | 4P (1450RPM) | 0.92~2.09 | 19.5~8.3 | 7.5~20HP |
| 150-25 | ø150 | ø150 | 4P (1750RPM) | 1.8~3.9 | 28~12 | 15~30HP | 4P (1450RPM) | 1.5~3.25 | 19.5~8.3 | 10~20HP |
| 150-25A | ø150 | ø150 | 4P (1750RPM) | 2.5~5.0 | 28~12 | 15~40 | 4P (1450RPM) | 2.1~4.17 | 19.5~8.3 | 10~25HP |

※ 上述性能建議供參考，進一步詳細資料須洽本公司。

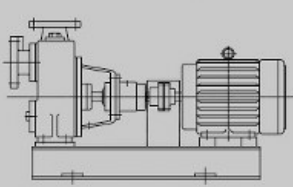
構造圖

自吸式製作方式如下列所示

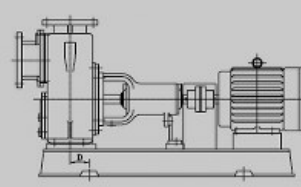
1 同軸式 - 無聯軸器



2 背拉式 - 聯軸器型 (無支腳)



3 背拉式 - 聯軸器型 (附支腳)



※ 尺寸，須配合選用機型及馬達規格 (另行出圖)。

自吸式泵浦 PICTURE



MSSP 自吸式聯軸泵



KSSP 自吸式同軸泵



資訊洽詢 INFORMATION CONTACT

| | |
|--|---|
| 1 液體 _____ | 1 Liquid _____ |
| 2 出水量 _____ M ³ /Min.(US.GPM) | 2 Capacity _____ M ³ /Min.(US.GPM) |
| 3 總揚程 _____ M(ft) | 3 Total head _____ M(ft) |
| 4 液體溫度 _____ °C(°F) | 4 Temperature of Liquid _____ °C(°F) |
| 5 液體黏度 _____ | 5 Viscosity of Liquid _____ |
| 6 比重 _____ | 6 Specific Gravity _____ |
| 7 酸鹼值 _____ | 7 PH _____ |
| 8 運轉溫度下之蒸氣壓力 _____ Kg/cm ² (PSIA) | 8 Vapor pressure at operating temperature _____ Kg/cm ² (PSIA) |
| 9 有效之淨吸入揚程 _____ M(ft) | 9 NPSH available _____ M(ft) |
| 10 泵浦迴轉數 _____ rpm | 10 Pump speed _____ rpm |
| 11 額定馬力 _____ KW(HP) _____ Pole _____ Phase, _____ Hz, _____ volts | 11 Rated Power _____ KW(HP) _____ Pole _____ Phase, _____ Hz, _____ volts |

主要產品 MAIN PRODUCTLINE

| | | |
|---------------------|--|--|
| 1 一般給水排水泵浦 | | General water supply/drainage pump |
| 2 空調冷凍用泵浦 | | Air-conditioning freezing pump |
| 3 鍋爐給水高壓泵浦 | | Boiler water supply high-pressure pump |
| 4 含固體雜質液輸送泵浦 | | Solid impurities contained liquid conveying pump |
| 5 化工製程輸送泵浦 | | Petrochemical liquid process conveying pump |
| 6 酸鹼液輸送泵浦 | | Acid/alkaline liquid conveying pump |
| 7 深水井抽水泵浦 | | Deep well suction pump |



PUMTECH

銘昇泵浦

銘昇電機股份有限公司

SELF PRIMING PUMP

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