

# VCP 汽水分離泵浦

## Vacuum Dewater Pumps.



- 最大分離 Maximum separation capacity
- 最小面積 Minimum floor space
- 低維護 Low maintenance cost

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

- 真空度穩定，提昇製紙品質。
- 毛毯透氣度增加，延長使用壽命。
- 減少蒸氣使用量。
- 提高紙機車速，提昇產能。

## 》技術特徵

- 高效率、低NPSH葉輪設計，不會產生空蝕現象。
- 順利操作的真空度最低可達700 Torr (絕對壓力60 Torr)，可大幅提高抄紙速度。
- 降低真空泵浦電力消耗5%~10%，並延長使用壽命。

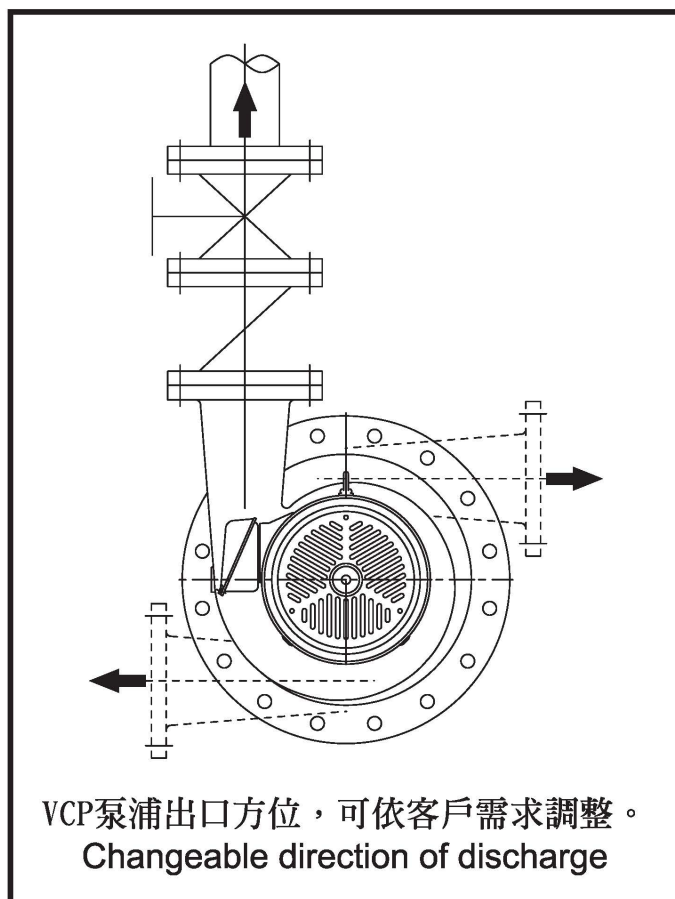
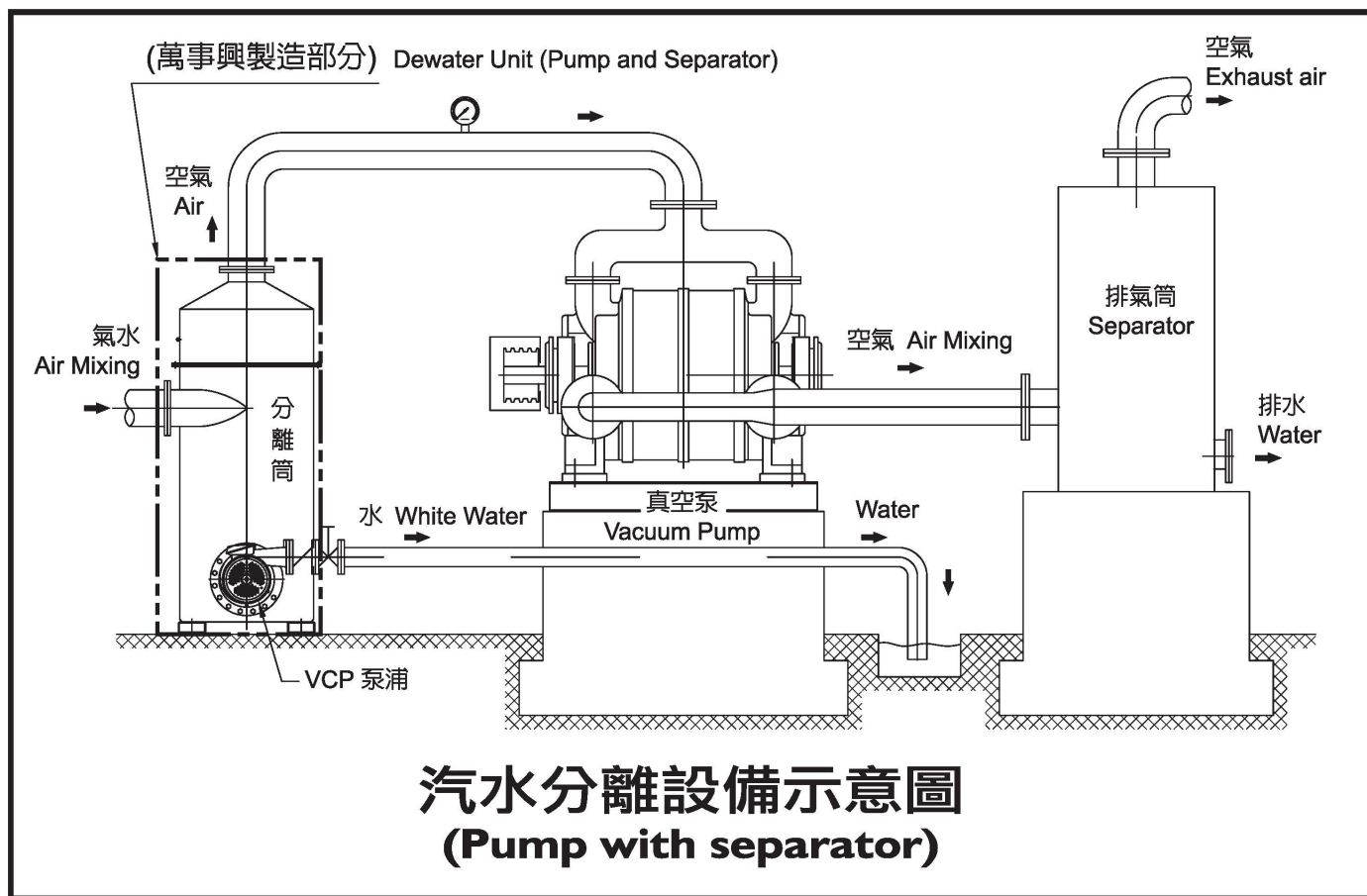
## 》Application

- Stable drain out white water under vacuum dewatering process, also improving paper quality and productivity.
- Extending the service life of blankets by getting more air permeability
- To reduce steam consumption
- Improve productivity from higher machine speed

## 》Design Features

- High efficiency and low NPSHr impeller design, free from cavitations.
- Lower vacuum up to 700 Torr (absolute pressure 60 Torr) with smooth operation, improving the papermaking productivity
- Reduce the power consumption of vacuum pump more than 5% to 10%, and extend service life

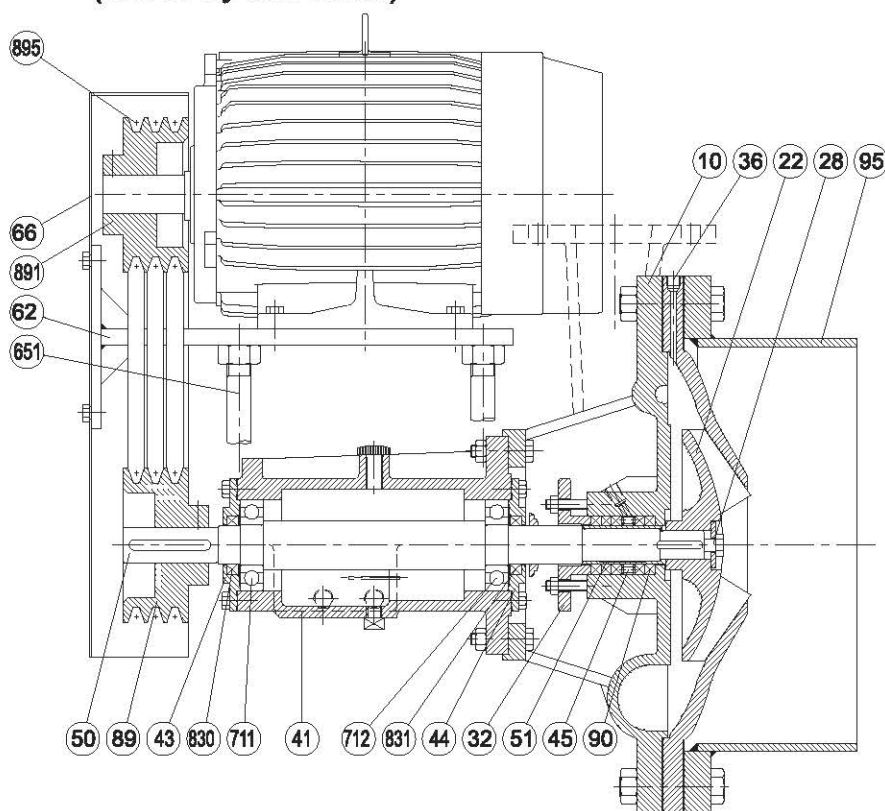






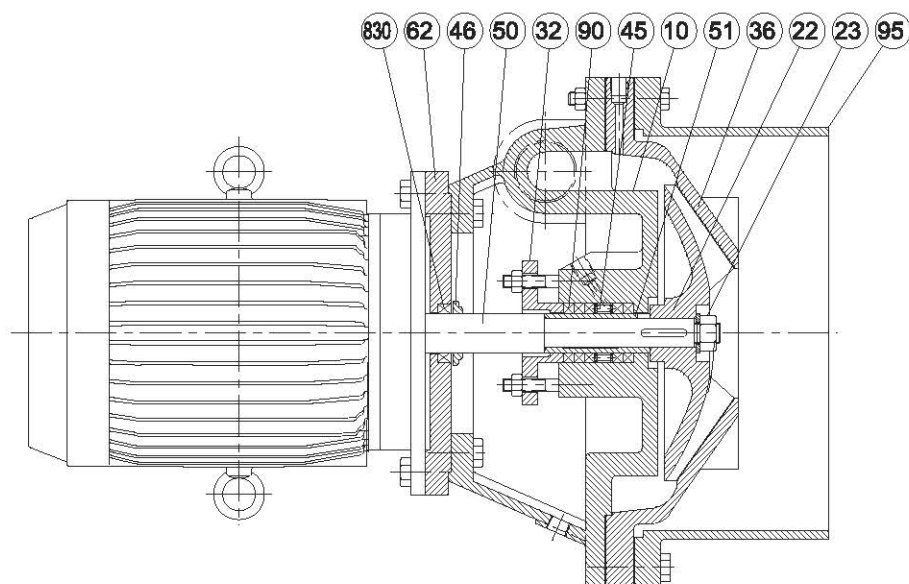
## 》產品構造(Construction)

### 一、皮帶輪傳動泵 (Driven by belt motor)



| 編號  | 零件名稱    |                  |
|-----|---------|------------------|
| 10  | 泵 殼     | Casing           |
| 22  | 葉輪      | Impeller         |
| 28  | 葉輪螺栓    | Impeller bolt    |
| 32  | 填料蓋     | Gland            |
| 36  | 吸入蓋     | Side plate       |
| 41  | 軸承箱     | Bearing housing  |
| 43  | M側軸承蓋   | Bearing cover    |
| 44  | P側軸承蓋   | Bearing cover    |
| 45  | 水封環     | Lantern ring     |
| 50  | 軸心      | Pump shaft       |
| 51  | 軸套      | Shaft sleeve     |
| 62  | 馬達底板    | Motor base       |
| 651 | 軸承箱固定螺栓 | Stud bolt        |
| 66  | 護罩      | protecting cover |
| 711 | 滾珠軸承    | Radial bearing   |
| 712 | 滾珠軸承    | Radial bearing   |
| 830 | M側油封    | Oil seal         |
| 831 | P側油封    | Oil seal         |
| 89  | P側皮帶輪   | belt pulley      |
| 891 | M側皮帶輪   | belt pulley      |
| 895 | 皮帶      | belt             |
| 90  | 填料      | Gland packing    |
| 95  | 吸入筒配合管  | suction tube     |

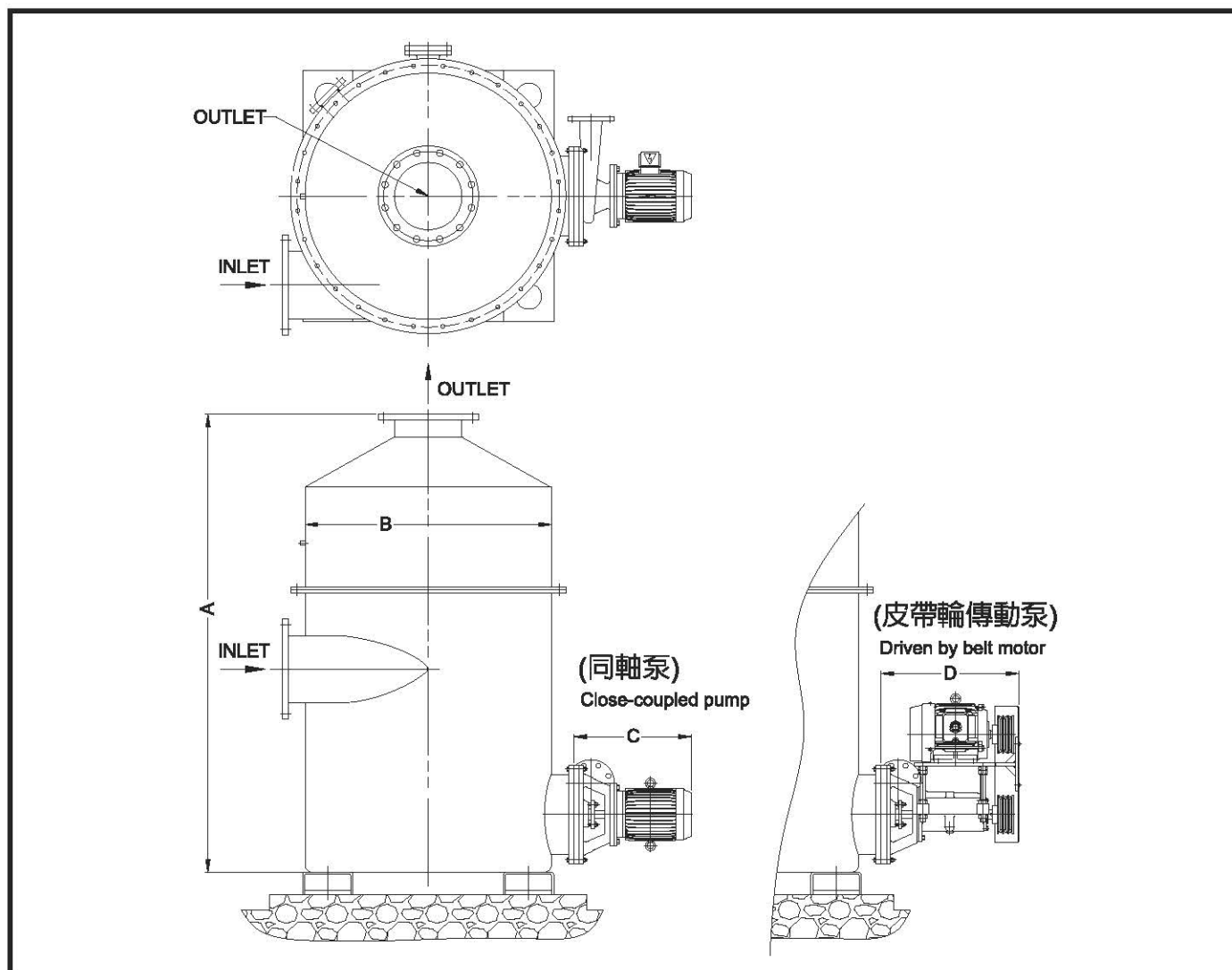
### 二、同軸泵 (Close-coupled pump)



| 編號  | 零件名稱   |               |
|-----|--------|---------------|
| 10  | 泵 殼    | Casing        |
| 22  | 葉輪     | Impeller      |
| 23  | 葉輪螺帽   | Impeller nut  |
| 32  | 填料蓋    | Gland         |
| 36  | 吸入蓋    | Side plate    |
| 45  | 水封環    | Lantern ring  |
| 46  | 擋水環    | Water slinger |
| 50  | 軸心     | Motor shaft   |
| 51  | 軸套     | Shaft sleeve  |
| 62  | 馬達底板   | Motor base    |
| 830 | M側油封   | Oil seal      |
| 90  | 填料     | Gland packing |
| 95  | 吸入筒配合管 | suction tube  |



## 》尺寸表(Standard Dimensions)



| 分離筒 Separator Details |      |       |        | 泵浦 Pump Details |     |     |               |
|-----------------------|------|-------|--------|-----------------|-----|-----|---------------|
| A                     | B    | inlet | outlet | 機種              | C   | D   | MOTOR(HP)     |
| 1500                  | 500  | 150   | 150    | 2"              | 480 | 550 | 3HP/4P 100L   |
| 1750                  | 577  | 200   | 200    |                 | 484 | 550 | 5HP/4P 112M   |
| 1448                  | 585  | 200   | 200    | 3"              | 602 | 585 | 7.5HP/4P 132S |
| 1750                  | 585  | 200   | 200    |                 | 602 | 585 | 10HP/4P 132M  |
| 1880                  | 782  | 200   | 200    | 5"              | 728 | 710 | 7.5HP/4P 132S |
| 1880                  | 786  | 250   | 250    |                 | 728 | 710 | 10HP/4P 132M  |
| 2294                  | 970  | 250   | 250    |                 | 813 | 710 | 15HP/4P 160M  |
| 1989                  | 980  | 250   | 250    |                 |     |     |               |
| 2294                  | 980  | 300   | 300    |                 |     |     |               |
| 2294                  | 1290 | 350   | 350    |                 |     |     |               |
| 2836                  | 1546 | 450   | 450    |                 |     |     |               |

分離筒可依客戶需求，配合各種管徑與安裝方位。

The size and direction of inlet and outlet of separator could be specified by order.

※以上尺寸僅供參考，正確尺寸依承認圖為基準。

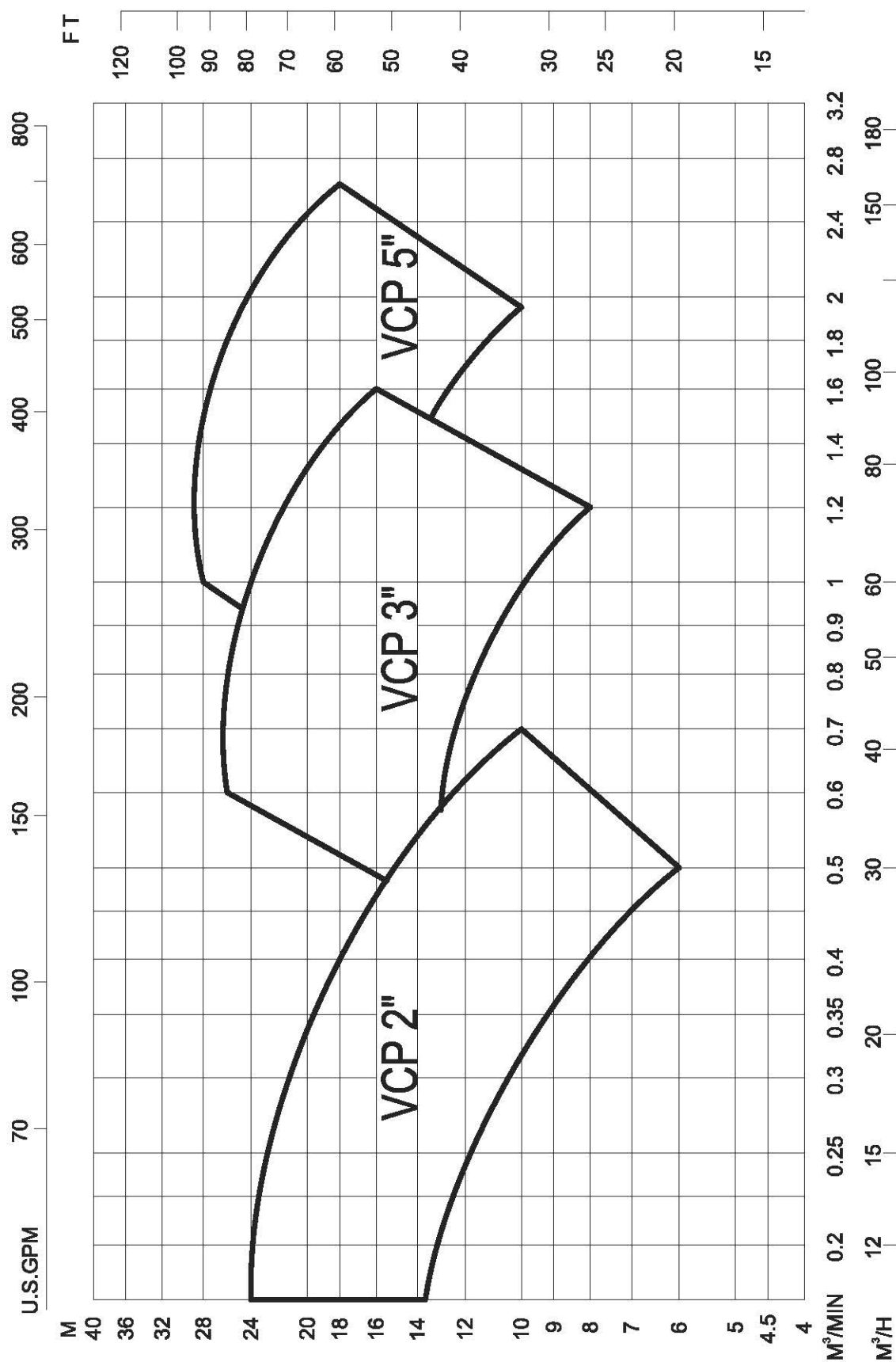
※The above-mentioned size are only for reference, the correct size, in accordance with acknowledging pursuing as basis.

單位(UNIT):mm



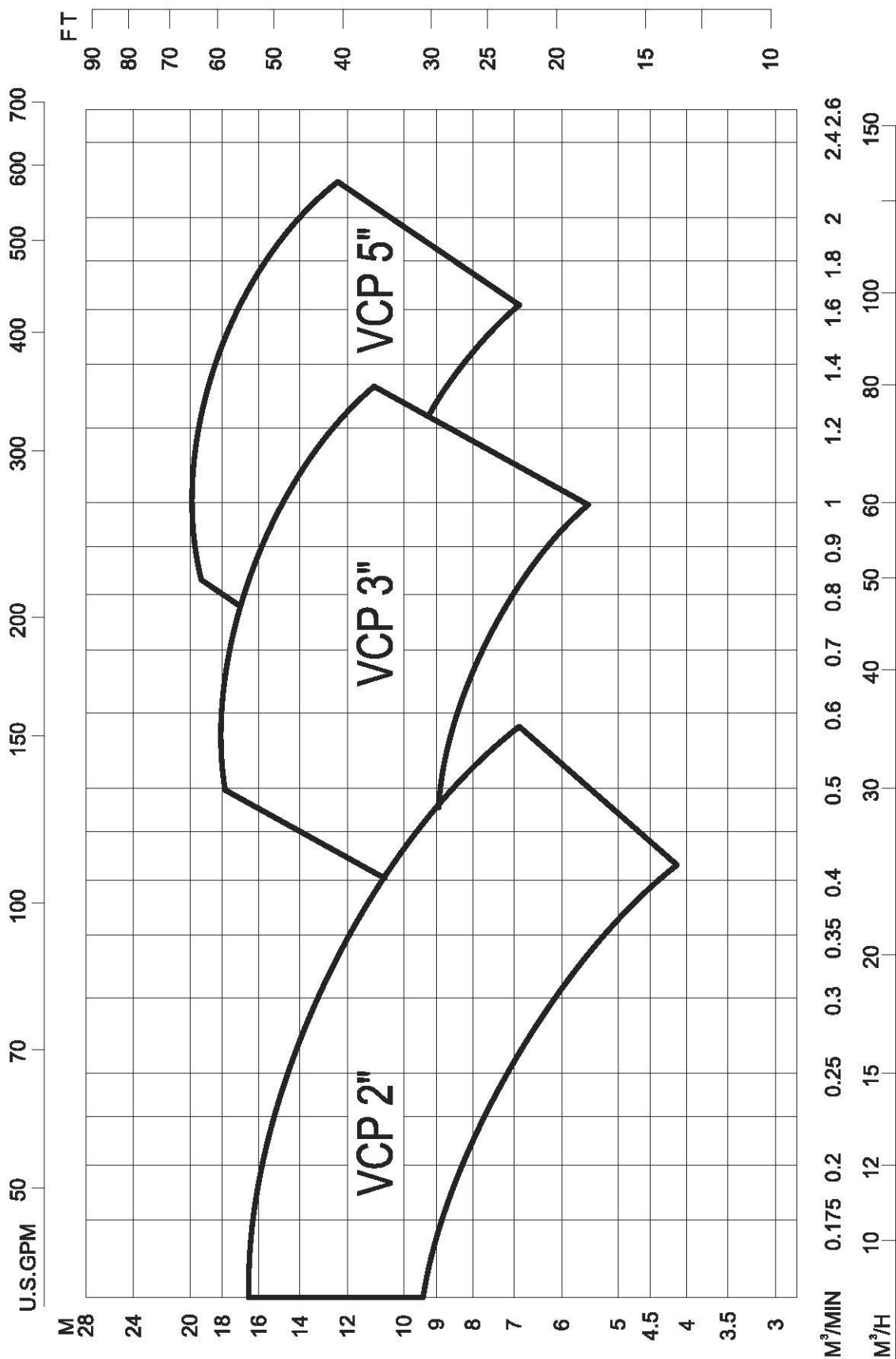
ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: VCP 60HZ:1750R.P.M

性能選擇表 PERFORMANCE RANGES





ALL STAR PUMP ENTERPRISE CO.,LTD. MODEL: VCP 50HZ:1450R.P.M  
性能選擇表 PERFORMANCE RANGES





## 》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): \_\_\_\_\_ m<sup>3</sup>/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/cm<sup>2</sup>, 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



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