

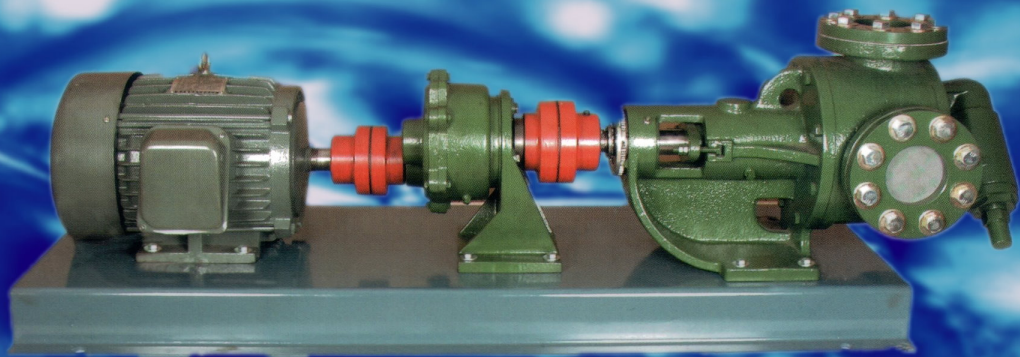


# 中川泵浦

CHUNG CHUAN PUMP

ISO 9001:2000 認證

## 內轉式齒輪泵浦



誠信 · 專業 · 創新

Trustworthy · Professional · Creative





1. 石油工業：重油、柴油、瀝青及各種潤滑油。
2. 食品工業：糖漿、糖蜜、果漿、果汁、沙拉油、蕃茄醬、醬油、巧克力醬等。
3. 染料、油漆、溶劑、塗料、T.D.I。
4. 化學工業：膠、糊、清潔劑、藥汁、樹脂、肥皂、D.O.P。

### Internal Rotation Gear Pump (Purposes)

1. Petroleum Industry: heavy oil, diesel oil, asphalt and all kinds of lubricant.
2. Food Industry: syrup, molasses, fructose, juice, salad oil, tomato jam, soybean sauce, chocolate jam, etc.
3. Dyes: paint, solvent, coating, T.D.I.
4. Chemistry Industry: glue, paste, detergent, liquid medicine, resin, soap, D.O.P.

### 選用條件：

1. 查明液體物性、粘度、比重、溫度等，以選配轉速，核算馬力機種。(參考曲線圖)
2. 查明液化性，以便選定泵浦材質及機械軸封、填料等材質。
3. 本泵浦防洩方式有 A.機械軸封 B.填料二種。  
前者適用於比重輕、濃度低之液體，可快速運轉者。  
後者適用於液化性較強、濃度特別高之液體。視需要選擇使用。
4. 機械軸封可分 Viton 及 N.B.R 二種，視需要選用。
5. 填料材質：A. 30%鐵氟龍+70%石棉迫緊 B. 100%鐵氟龍迫緊 C. 石墨迫緊 視需要選用。

### Conditions for selection:

1. Check material property, stickiness, specific gravity, temperature of the liquid to select the speed of rotation, then calculate and choose motor machine. (See curve line figure)
2. Check liquefaction property of the liquid to choose pump material. Mechanical seal or filling can be adopted for use.
3. Impervious methods of the pump: (a) mechanical seal (b) filling.  
The former (mechanical seal) is suitable for the liquid with light specific gravity and low concentration that can be operated fast.  
The latter (filling) is suitable for the liquid with strong liquefaction and high concentration. It depends on the necessity for choice and use.
4. Mechanical seal has two kinds of methods: Viton and N.B.R. It depends on the necessity for choice and use.
5. Filling materials:  
(a) 30 % Teflon + 70 % asbestos  
(b) 100% Teflon  
(c) Graphite





## 性能表

## PERFORMANCE TABLE

| 型 式 T Y P E |             | 口 徑<br>B O R E ( " ) | 正 常 定 律            |                  | 推 薦 馬 達 馬 力<br>(黏度100SSU液體) |                     | 最 高 容 許 溫 ( ° C ) |         | 總重量<br>(Kg) |
|-------------|-------------|----------------------|--------------------|------------------|-----------------------------|---------------------|-------------------|---------|-------------|
| F S 填 料     | F S 機 械 軸 封 |                      | 出 油 量<br>L / m i n | 轉 速<br>( R P M ) | 壓 力                         |                     | 填 料               | 機 械 軸 封 |             |
|             |             |                      |                    |                  | 3.5kg/cm <sup>2</sup>       | 7kg/cm <sup>2</sup> |                   |         |             |
| B05         | A05         | 1/2"                 | 15                 | 1150             | 1/2                         | 1                   | 200               | 80      | 6           |
| B06         | A06         | 3/4"                 | 24                 | 1150             | 1/2                         | 1                   | 200               | 80      | 7           |
| B10         | A10         | 1"                   | 38                 | 1750             | 1                           | 2                   | 200               | 80      | 8           |
|             |             |                      | 26                 | 1150             | 1                           | 1                   |                   |         |             |
| B15         | A15         | 1 1/2"               | 113                | 1750             | 2                           | 3                   | 200               | 80      | 18          |
|             |             |                      | 75                 | 1150             | 2                           | 2                   |                   |         |             |
| B20         | A20         | 2"                   | 227                | 640              | 5                           | 7 1/2               | 200               | 80      | 54          |
|             |             |                      | 113                | 320              | 3                           | 5                   |                   |         |             |
| B25         | A25         | 2 1/2"               | 511                | 640              | 7 1/2                       | 15                  | 200               | 80      | 83          |
| B30         | A30         | 3"                   | 757                | 640              | 15                          | 20                  | 200               | 80      | 90          |
| B40         | A40         | 4"                   | 1135               | 520              | 20                          | 40                  | 200               | 80      | 200         |

### 運轉注意事項

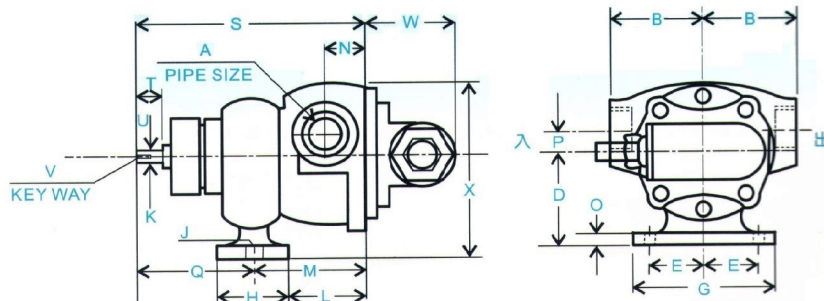
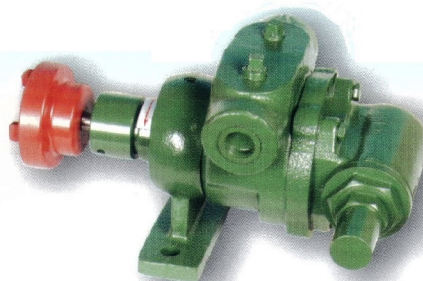
1. 運轉前泵浦裡必需積有液體，盡量避免空轉，以保持泵浦之性能。
2. 裝配管路時，嚴禁金屬類雜物進入泵浦，以免損壞泵浦。
3. 吸入管不可小於泵浦口徑，以維持泵浦性能。
4. 運轉中有雜音時應停止使用，檢查泵浦內是否有雜物進入，或管路有無阻塞、液體不足等
5. 有沈澱性及固化液體，停車前最好以另種液體加以沖洗。
6. 吸入管前最好加裝過濾器，防止雜物吸入泵浦。
7. 高粘度液體請勿裝安全閥、逆止閥。
8. 運轉前出、入口閥門須全部打開。

### Matters needing attention for operation

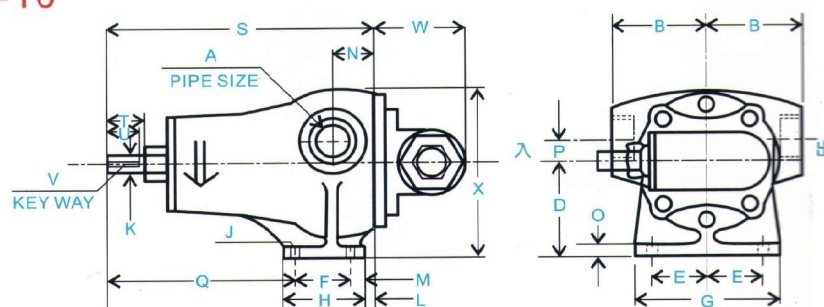
1. Before operation, the pump must store liquid. It should avoid idle running as possible to maintain the natural ability of the pump.
2. When assembling the tubes, it should strictly forbid mental impurities entering into the pump to avoid damaging the pump.
3. The absorbing tube can not be smaller than the diameter of the pump to maintain the natural ability of the pump.
4. If there is noise during operation, it should stop using. Then check if there are impurities entering into the pump, or block in the tube, or liquid is insufficient, etc.
5. If there is precipitating or solidity liquid, it had better wash with another kind of liquid before stopping operation.
6. In the front of the absorbing tube, it had better equip with filter to avoid impurities entering the pump.
7. If the liquid is high viscosity, please do not equip with safety valve, or check valve.
8. Before operation, the exit valve and entrance valve should be opened.



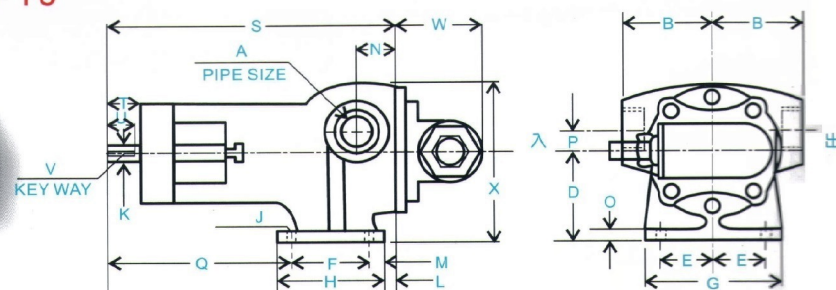
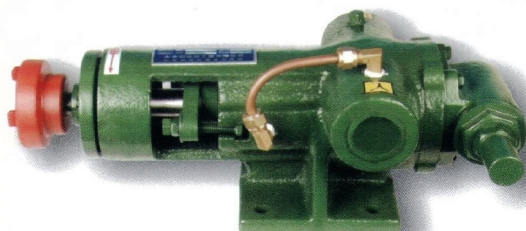
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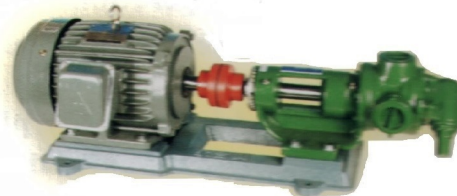
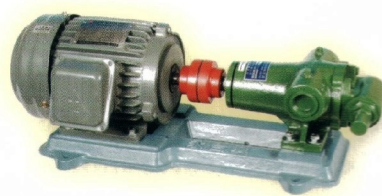
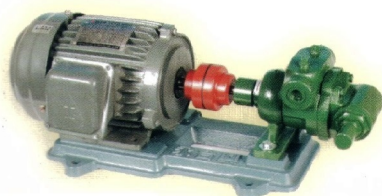
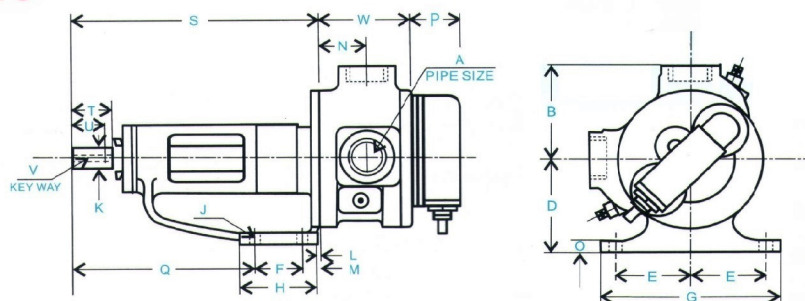
A-10



B-10



AB-15



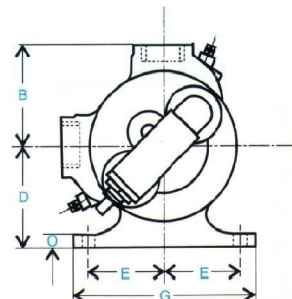
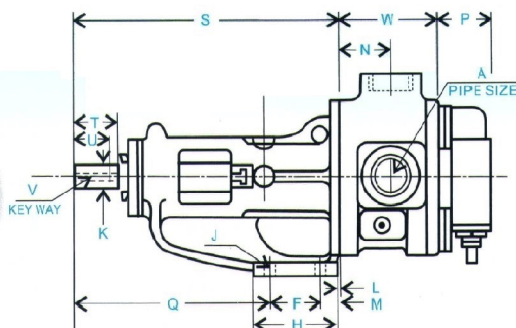
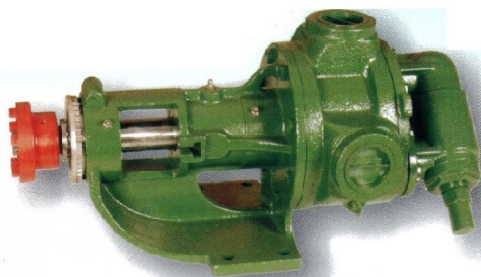




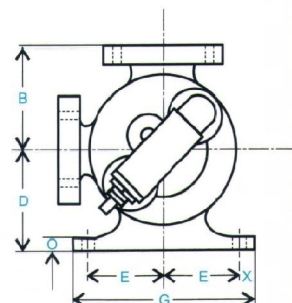
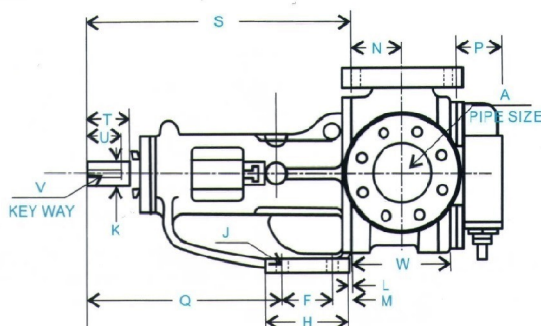
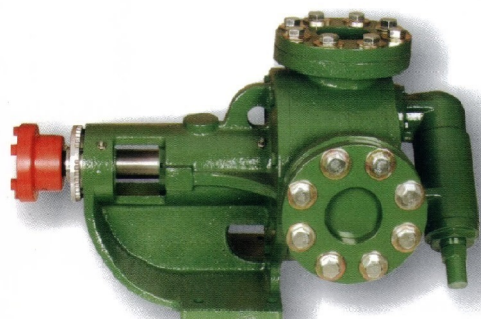
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# CHUNG CHUAN PUMP

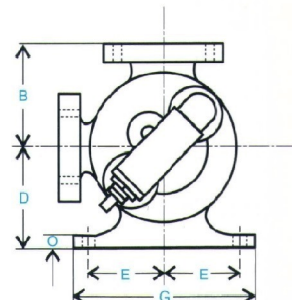
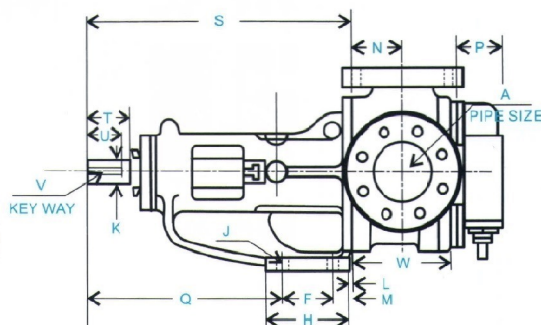
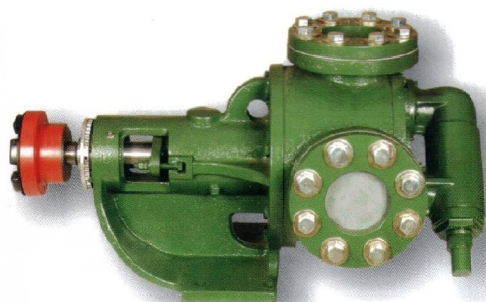
## AB-20



## AB-25



## AB-30



## 尺寸圖 DIMENSION

| 型式<br>TYPE | A      | B   | D     | E     | F     | G   | H   | J  | K    | L   | M  | N   | O  | P   | Q   | S   | T    | U   | V         | W   | X   |
|------------|--------|-----|-------|-------|-------|-----|-----|----|------|-----|----|-----|----|-----|-----|-----|------|-----|-----------|-----|-----|
| AB05       | 1/2"   | 62  | 71    | 41    |       | 108 | 40  | 11 | 11   | 32  | 20 | 25  | 11 | 38  | 96  | 142 | 27   | 26  | FLAT      | 70  | 134 |
| AB06       | 3/4"   | 62  | 71    | 41    |       | 108 | 40  | 11 | 11   | 32  | 20 | 25  | 11 | 38  | 96  | 142 | 27   | 26  | FLAT      | 70  | 134 |
| B10        | 1"     | 75  | 80    | 40    | 80    | 110 | 110 | 9  | 18   | 13  | 15 | 28  | 11 | 16  | 164 | 272 | 30   | 26  | 5X5       | 70  | 130 |
| A10        | 1"     | 75  | 71    | 41    | 35    | 104 | 58  | 9  | 12.7 | 9   | 11 | 28  | 8  | 16  | 140 | 195 | 25.4 | 24  | FLAT      | 70  | 121 |
| AB15       | 1 1/2" | 76  | 90    | 70    | 57    | 172 | 90  | 11 | 20   | 40  | 15 | 48  | 14 | 60  | 150 | 262 | 38   | 35  | 5X5       | 80  |     |
| AB20       | 2"     | 135 | 140   | 101.6 | 70    | 240 | 111 | 15 | 30   | 3   | 22 | 68  | 14 | 110 | 255 | 350 | 55   | 40  | 7X7       | 130 |     |
| AB25       | 2 1/2" | 165 | 178   | 111   | 102   | 255 | 138 | 14 | 32   | 5   | 13 | 80  | 14 | 110 | 250 | 370 | 57   | 40  | 8X8       | 145 |     |
| AB30       | 3"     | 165 | 178   | 111   | 102   | 255 | 138 | 14 | 32   | 5   | 13 | 105 | 14 | 110 | 250 | 395 | 57   | 40  | 8X8       | 170 |     |
| AB40       | 4"     | 216 | 222.3 | 104.8 | 101.6 | 260 | 157 | 18 | 49.2 | -10 | 9  | 180 | 20 |     | 310 | 420 | 115  | 110 | 12.7X12.7 | 278 |     |

※ 本公司有變更資料之權利，訂購前請先電話確認。





## 各式泵浦配備之底座型式(三相標準馬達)

型號05配備底座有：1/2HP X 4P 1HP X 4P 2HP X 4P 1/2HP X 6P 1HP X 6P

型號06配備底座有：1/2HP X 4P 1HP X 4P 2HP X 4P 1/2HP X 6P 1HP X 6P

型號10配備底座有：1HP X 4P 2HP X 4P 1HP X 6P

型號15配備底座有：2HP X 4P 3HP X 4P 5HP X 4P 2HP X 6P 3HP X 6P

型號20配備底座有：5HP X 4P 7 1/2HP X 4P

型號25配備底座有：7 1/2HP X 4P 10HP X 4P 15HP X 4P

型號30配備底座有：7 1/2HP X 4P 10HP X 4P 15HP X 4P 20HP X 4P

## Base model for all kinds of pump equipments: (Three phase standard motor)

Model No.05 Outfitted base 1/2HPx4P 1HPx4P 2HPx4P

Model No.06 Outfitted base 1/2HPx6P 1HPx6P 2HPx4P

Model No.10 Outfitted base 1/2HPx6P 1HPx6P

Model No.15 Outfitted base 1HPx4P 2HPx4P

Model No.20 Outfitted base 1HPx6P

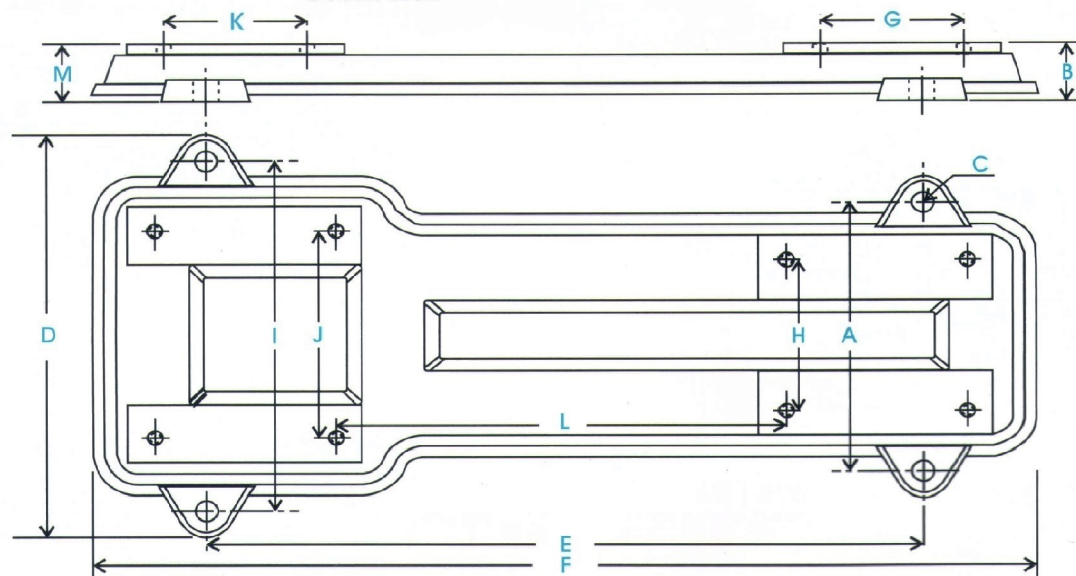
Model No.25 Outfitted base 2HPx4P 3HPx4P 5HPx4P

Model No.30 Outfitted base 2HPx6P 3HPx6P

Model No.30 Outfitted base 5HPx4P 7 1/2HPx4P

Model No.25 Outfitted base 7 1/2HPx4P 10HPx4P 15HPx4P

Model No.30 Outfitted base 7 1/2HPx4P 10HPx4P 15HPx4P  
20HPx4P



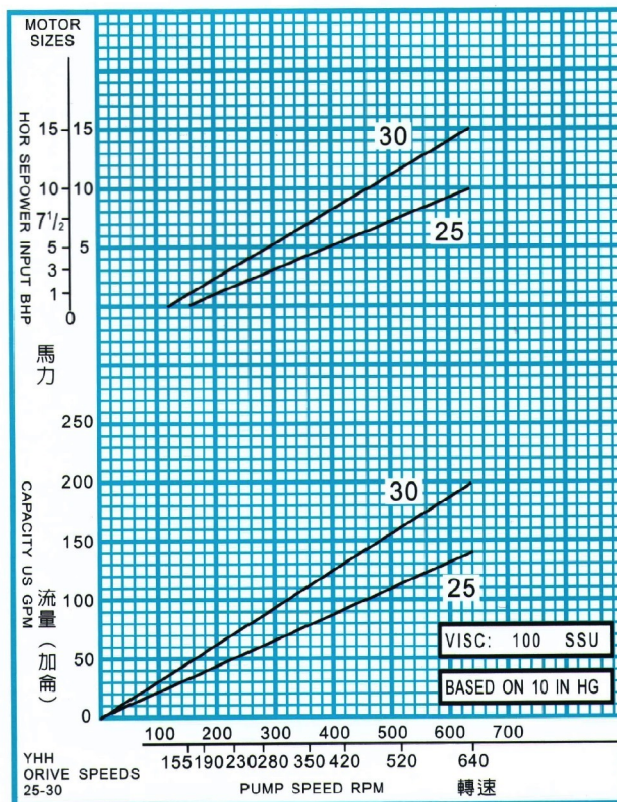
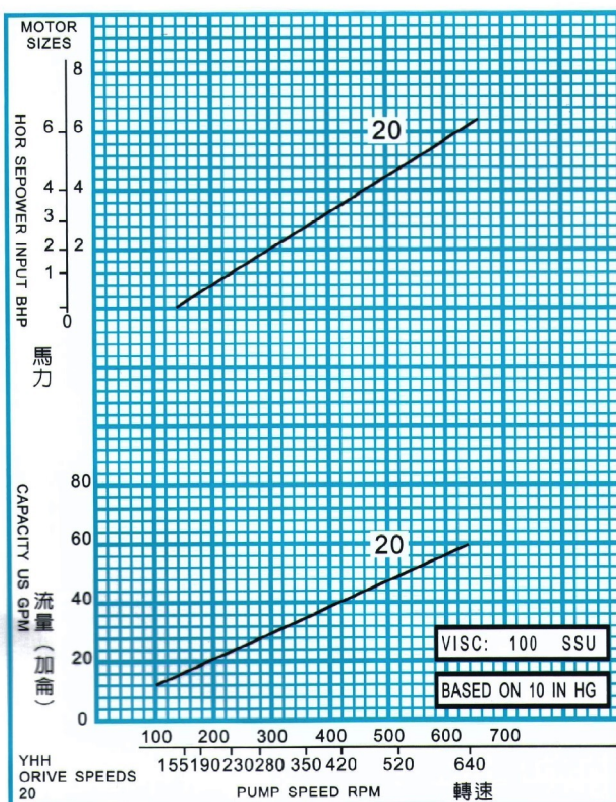
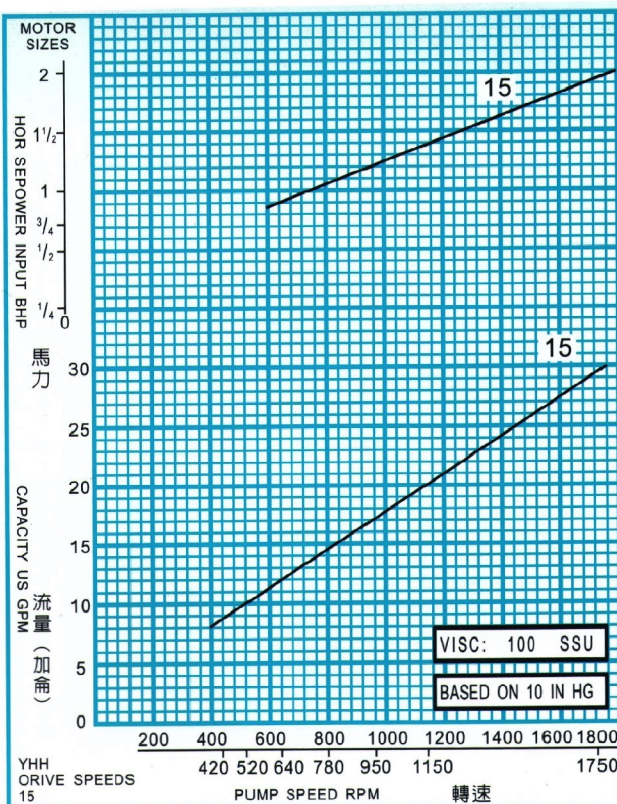
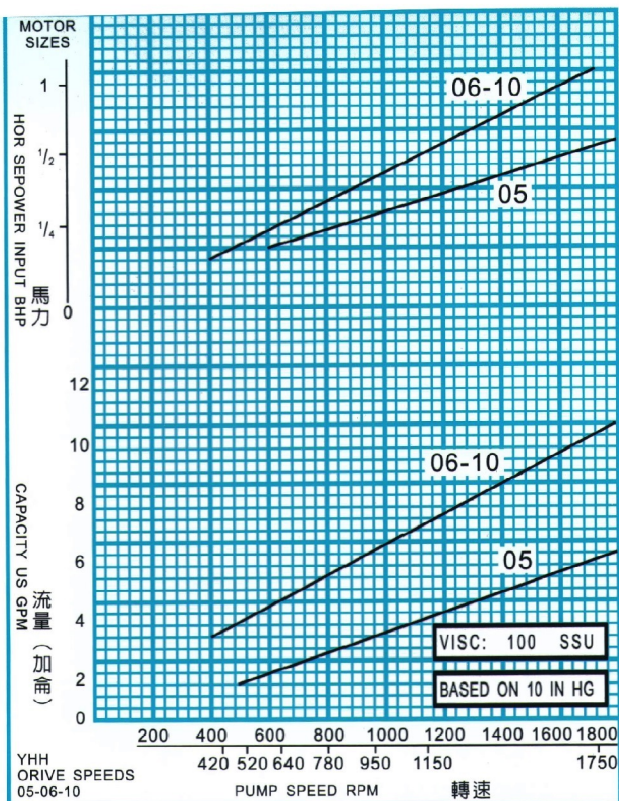
| 型號    | 馬力    | 極數 | A   | B  | C  | D   | E   | F    | G  | H   | I   | J   | K   | L   | M  |
|-------|-------|----|-----|----|----|-----|-----|------|----|-----|-----|-----|-----|-----|----|
| 05/06 | 1/2HP | 4P | 170 | 28 | 12 | 242 | 250 | 370  |    | 82  | 210 | 112 | 90  | 174 | 28 |
| 05/06 | 1/2HP | 6P | 170 | 37 | 12 | 242 | 250 | 370  |    | 82  | 210 | 125 | 100 | 187 | 28 |
| 05/06 | 1HP   | 4P | 170 | 37 | 12 | 242 | 250 | 370  |    | 82  | 210 | 125 | 100 | 187 | 28 |
| 05/06 | 1HP   | 6P | 170 | 51 | 12 | 252 | 340 | 450  |    | 82  | 220 | 140 | 125 | 206 | 32 |
| A10   | 1HP   | 4P | 170 | 41 | 12 | 252 | 340 | 450  | 35 | 82  | 220 | 125 | 100 | 233 | 32 |
| A10   | 1HP   | 6P | 170 | 53 | 12 | 272 | 360 | 490  | 35 | 82  | 240 | 140 | 125 | 249 | 34 |
| B10   | 1HP   | 4P | 160 | 30 | 12 | 236 | 395 | 523  | 80 | 80  | 210 | 125 | 100 | 268 | 30 |
| B10   | 1HP   | 6P | 160 | 40 | 12 | 236 | 395 | 523  | 80 | 80  | 210 | 140 | 125 | 268 | 30 |
| A/B15 | 2HP   | 4P | 225 | 38 | 12 | 302 | 430 | 570  | 57 | 140 | 270 | 140 | 125 | 259 | 38 |
| A/B15 | 2HP   | 6P | 225 | 48 | 12 | 302 | 430 | 570  | 57 | 140 | 270 | 160 | 140 | 276 | 38 |
| A/B15 | 3HP   | 4P | 225 | 48 | 12 | 302 | 430 | 570  | 57 | 140 | 270 | 160 | 140 | 276 | 38 |
| A/B15 | 3HP   | 6P | 225 | 60 | 12 | 332 | 430 | 577  | 57 | 140 | 300 | 190 | 140 | 283 | 38 |
| A/B20 |       |    |     | 80 |    | 520 |     | 1055 |    |     |     |     |     |     |    |
| A/B25 |       |    |     | 80 |    | 520 |     | 1278 |    |     |     |     |     |     |    |
| A/B30 |       |    |     | 80 |    | 520 |     | 1278 |    |     |     |     |     |     |    |





# 中川泵浦

# CHUNG CHUAN PUMP



內轉齒輪泵浦輸送量選定表(參考)

| 粘度 70°F<br>Viscosity (SSU)                                      | 30 - 250 | 250 - 750 | 750 - 2,500 | 2,500 - 7,500 | 7,500 - 25,000 | 25,000 - 75,000 | 75,000 - 250,000 | 1cps = 4.635 SSU |
|-----------------------------------------------------------------|----------|-----------|-------------|---------------|----------------|-----------------|------------------|------------------|
| 內轉齒輪泵<br>定額輸送量 %<br>Internal Gear Pump Quota<br>Delivery Amount | 100%     | 90%       | 80%         | 70%           | 60%            | 40%             | 30-25%           |                  |

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