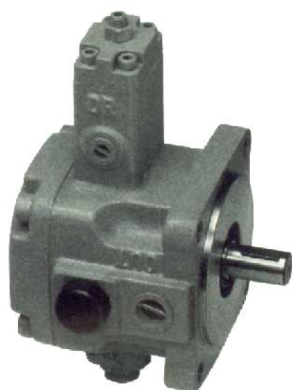
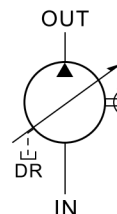


# VARIABLE DISPLACEMENT VANE PUMPS

變量輪葉泵

PUMPS



## ◆ FEATURES

- Save horse power and low noise level.
- Wear and heat resistance.
- High volume efficiency.
- Smooth running and stable operation particular suitable for machine tools and single-purpse machines.

- 特點:
- 省馬力、低噪音。
- 不易生熱，耐磨耗。
- 高容積效率。
- 運轉圓滑、作動穩定，特別適用工作機械、專用機械。

## ◆ SPECIFICATIONS 規格

| Model<br>產品型號 | Displacement 吐出量<br>l/min | ADJUSTING PRESSURE<br>RANGE kgf/cm <sup>2</sup><br>壓力調整範圍                                                                                                                                                | SPEED (rpm)<br>速度(迴轉數/每分鐘) |              | WEIGHT 重量<br>kgf(lbs) |
|---------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------|-----------------------|
|               |                           |                                                                                                                                                                                                          | MAX.<br>(最高)               | MIN.<br>(最低) |                       |
| VPVC-F12-※-10 | 12                        | A1:8~18 kgf/cm <sup>2</sup><br>(114~257psi)<br><br>A2:15~35 kgf/cm <sup>2</sup><br>(214~500psi)<br><br>A3:30~55 kgf/cm <sup>2</sup><br>(428~785psi)<br><br>A4:50~70 kgf/cm <sup>2</sup><br>(714~1000psi) | 1800                       | 800          | 5.6(12.3)             |
| VPVC-F15-※-10 | 15                        |                                                                                                                                                                                                          | 1800                       | 800          | 5.6(12.3)             |
| VPVC-F20-※-10 | 20                        |                                                                                                                                                                                                          | 1800                       | 800          | 5.6(12.3)             |
| VPVC-F25-※-10 | 25                        |                                                                                                                                                                                                          | 1800                       | 800          | 9.5(20.8)             |
| VPVC-F30-※-10 | 30                        |                                                                                                                                                                                                          | 1800                       | 800          | 9.5(20.8)             |
| VPVC-F40-※-10 | 40                        |                                                                                                                                                                                                          | 1800                       | 800          | 9.5(20.8)             |
| VPVC-F45-※-10 | 45                        |                                                                                                                                                                                                          | 1800                       | 800          | 9.5(20.8)             |

## ◆ HOW TO ORDER 編號說明

| 1    | 2 | 3  | 4  | 5  |
|------|---|----|----|----|
| VPVC | F | 12 | A1 | 10 |

### 1 MODEL NUMBER 型式號碼

VPVC

### 2 MOUNTING 固定方式

Flange Type 法蘭型

### 3 DISPLACEMENT(l/min) 吐出量

12, 15, 20, 25, 30, 35, 40, 45(l/min)

### 4 PRESSURE ADJUSTMENT 壓力調整範圍

A1 : 8~18 kgf/cm<sup>2</sup> (114~257psi)

A2 : 15~35 kgf/cm<sup>2</sup> (214~500psi)

A3 : 30~55 kgf/cm<sup>2</sup> (428~785psi)

A4 : 50~70 kgf/cm<sup>2</sup> (714~1000psi)

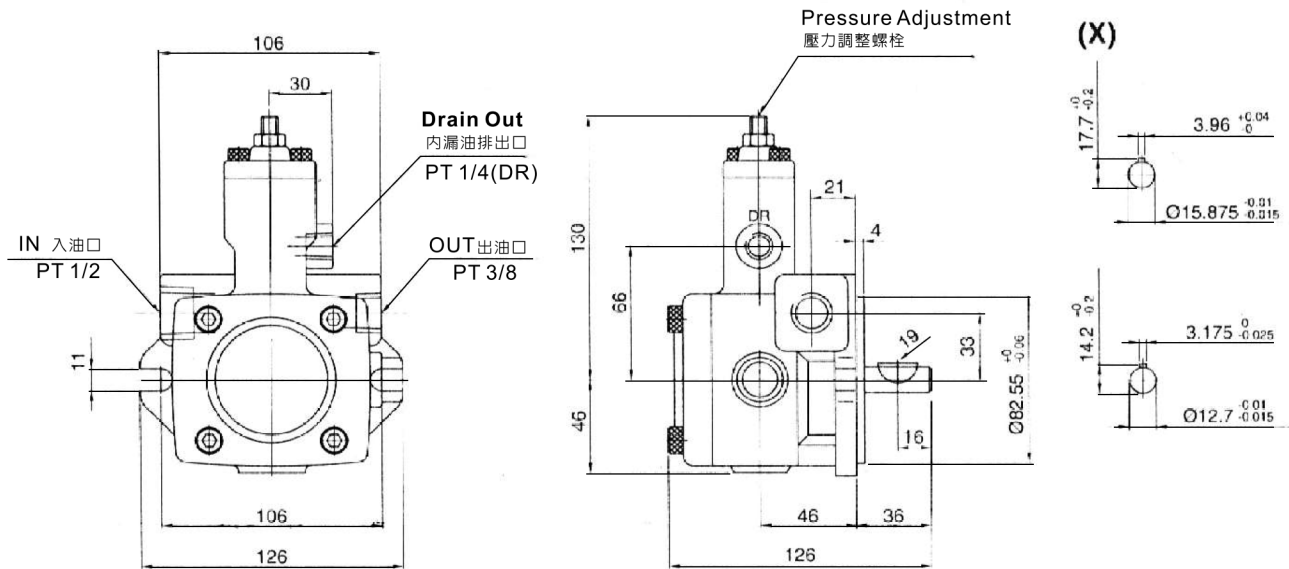
### 5 DESIGN NO 設計編號

# VARIABLE DISPLACEMENT VANE PUMPS

變量輪葉泵

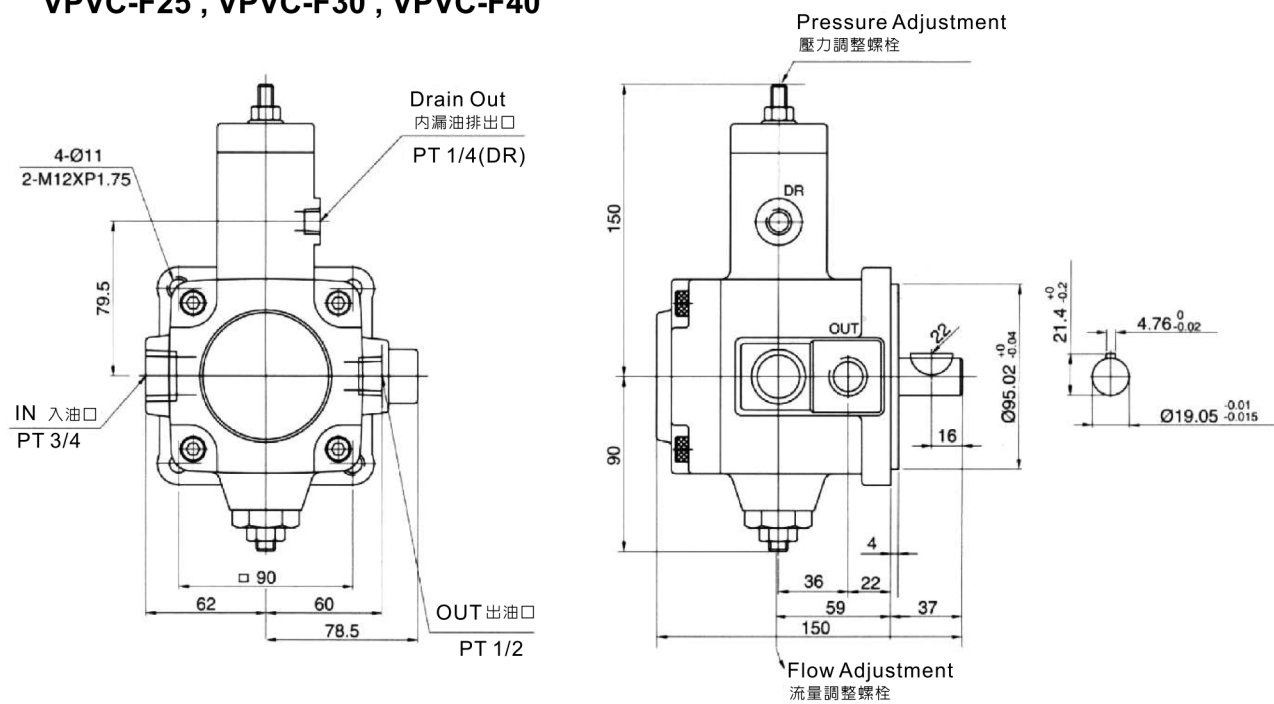
## ◆ DIMENSIONS 外型尺寸圖

VPVC-F12, VPVC-F15, VPVC-F20



## ◆ DIMENSIONS 外型尺寸圖

VPVC-F25, VPVC-F30, VPVC-F40



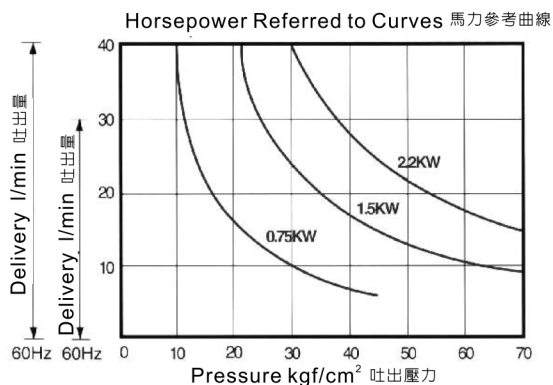
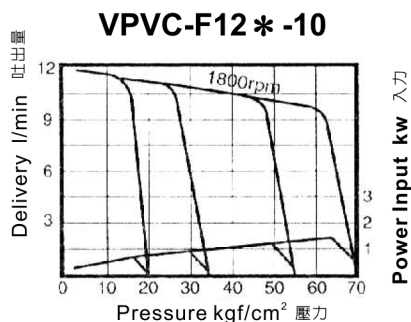
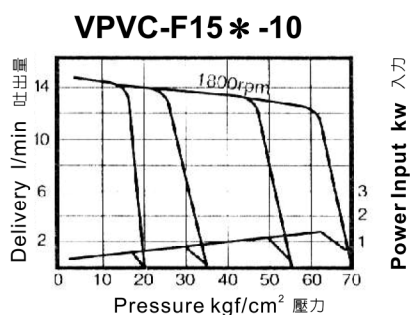
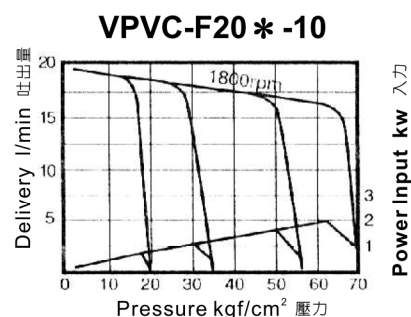
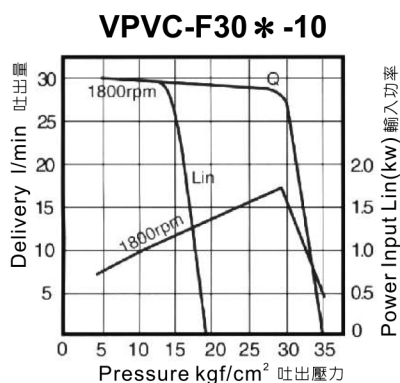
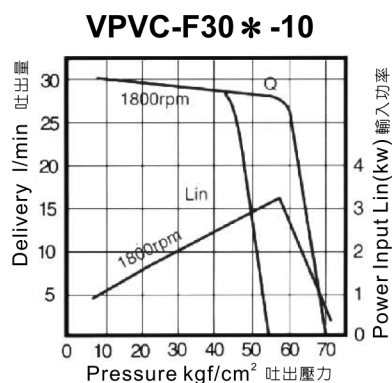
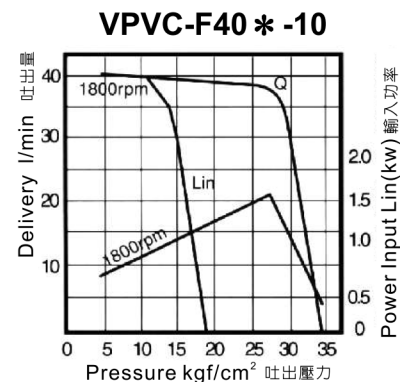
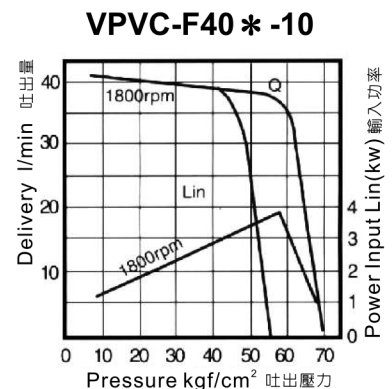
PUMPS

# VARIABLE DISPLACEMENT VANE PUMPS

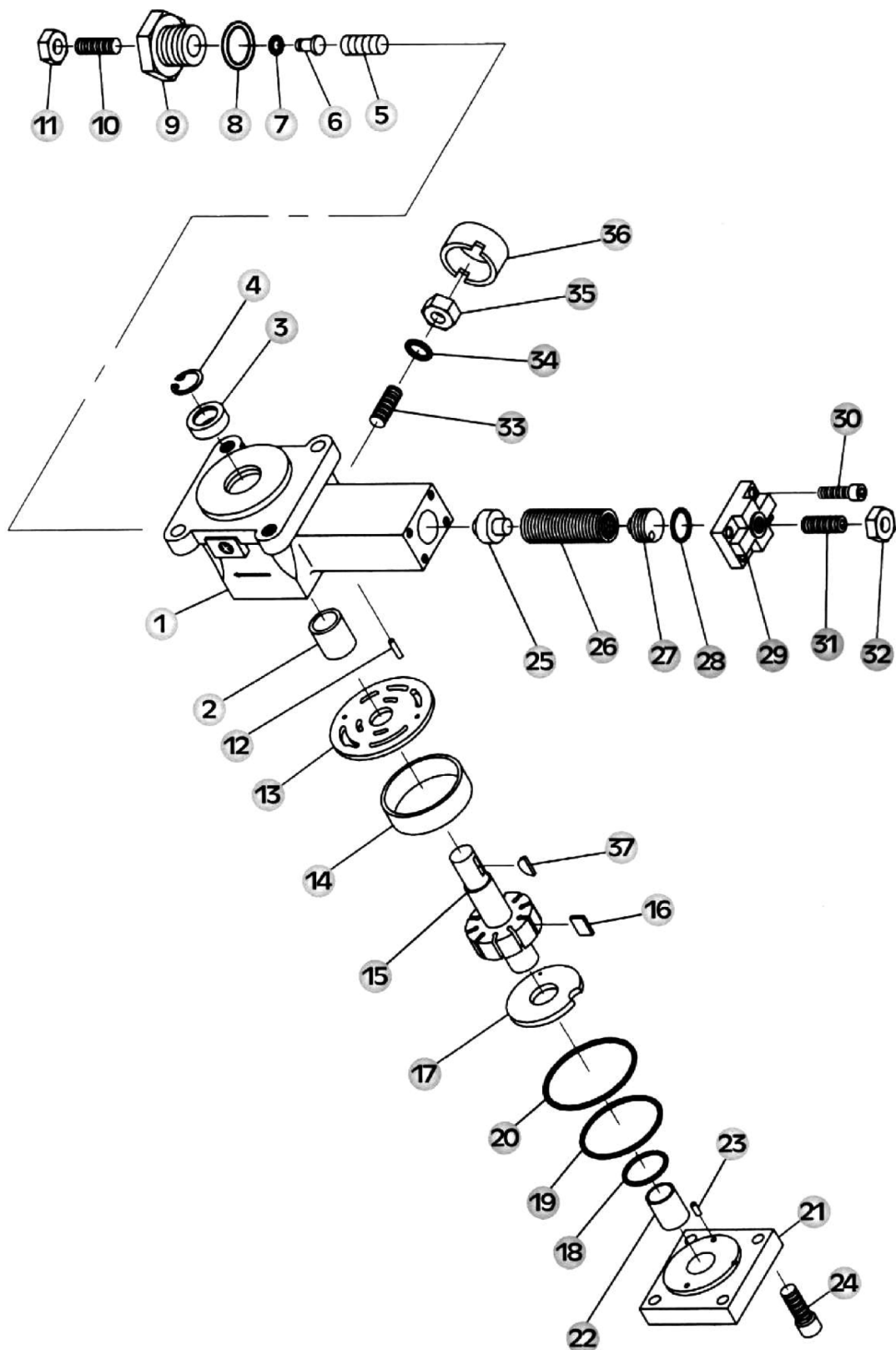
變量輪葉泵

PUMPS

## ◆ PERFORMANCE 性能曲線



## ◆ PARTS LIST 零件爆炸視圖



# VARIABLE DISPLACEMENT VANE PUMPS

變量輪葉泵

## ◆ PARTS LIST 零件表

| ITEM 項目 | DESCRIPTION 內容               | QUANTITY 數量 | REMARKS 附註  |
|---------|------------------------------|-------------|-------------|
| NO.1    | Pump housing 邦本體             | 1           |             |
| NO.2    | Dry bearing 無油軸承             | 1           | DD22x25     |
| NO.3    | Oil seal 油封                  | 1           | 22x42x11    |
| NO.4    | Retainer ring 扣環             | 1           | R42         |
| NO.5    | Piston 活塞                    | 2           |             |
| NO.6    | Plunger 柱塞                   | 1           |             |
| NO.7    | O ring O形環                   | 1           | P5          |
| NO.8    | O ring O形環                   | 1           | P20         |
| NO.9    | Plug screw 塞頭螺絲              | 1           |             |
| NO.10   | Adjust bolt 調整螺栓             | 1           | M12x1.75x24 |
| NO.11   | Screw nut 螺帽                 | 1           | M12x1.75    |
| NO.12   | Locking pin 定位梢              | 2           | Ø4.0x10     |
| NO.13   | Front port plate 前分流板        | 1           |             |
| NO.14   | Cam ring 凸輪環                 | 1           |             |
| NO.15   | Rotor 轉子                     | 1           |             |
| NO.16   | Vane 葉片                      | 13          |             |
| NO.17   | Rear port plate 後分流板         | 1           |             |
| NO.18   | O ring O形環                   | 1           | 2038        |
| NO.19   | O ring O形環                   | 1           | 2059        |
| NO.20   | O ring O形環                   | 1           | 2085        |
| NO.21   | End cover 端蓋                 | 1           |             |
| NO.22   | Dry bearing 無油軸承             | 1           | DD22x25     |
| NO.23   | Locking pin 定位梢              | 2           | Ø4.0x10     |
| NO.24   | Countersink hex-screw 六角沉頭螺絲 | 4           | M10x1.5x25  |
| NO.25   | Twin piston 雙頭活塞             | 1           |             |
| NO.26   | Spring 彈簧                    | 1           |             |
| NO.27   | Snap plug 單頭活塞               | 1           |             |
| NO.28   | O ring O形環                   | 1           | P22A        |
| NO.29   | Top cover 上蓋                 | 1           |             |
| NO.30   | Countersink hex-screw 六角沉頭螺絲 | 4           | M6x1.0x20   |
| NO.31   | Adjust bolt 調整螺栓             | 1           | M10x1.5x35  |
| NO.32   | Screw nut 螺帽                 | 1           | M10x1.5     |
| NO.33   | Adjust bolt 調整螺栓             | 1           | M6x1.0x36   |
| NO.34   | O ring O形環                   | 1           | P14         |
| NO.35   | Screw nut 螺帽                 | 1           | M6x1.0      |
| NO.36   | Snap cap 帽蓋                  | 1           |             |
| NO.37   | Woodruff key 半圓鍵             | 1           | NO.607      |