

CATFORD ENGINEERING PRODUCTS

Jamestown

SA 5491

All Prices Excluding GST

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Piston Pumps

*Axial Piston Pumps & Controllers





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Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2021, but Catford Engineering reserve the right to change these prices without notice)

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Axial Piston Pumps

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Pump & Controller Options

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PISTON PUMPS

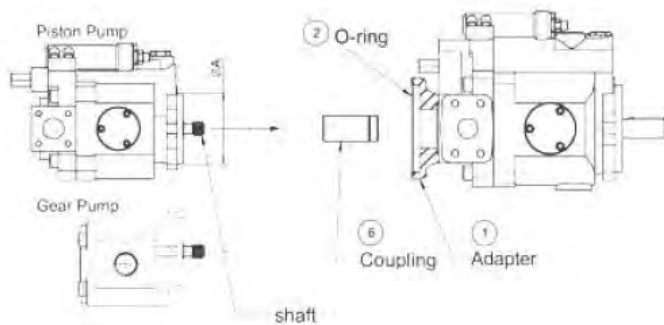
V Axial Piston Pumps

Specifications

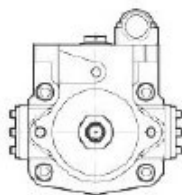
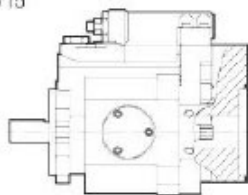
| Model | List Price \$ | Displacement at 100PSI (7 bar) | | | Pressure Adj. Range Bar | Speed RPM | | Weight KG |
|-------|---------------|--------------------------------|--------------|--------------|--|-----------|-----|--------------|
| | | cm ³ /rev | 1500 RPM lpm | 1800 RPM lpm | | Max | Min | |
| V15 | 2045.00 | 15.0 | 22.5 | 27.0 | 1: 8~70 2: 15~140 3: 20~210 4: 20~250 | 1800 | 500 | 13 |
| V23 | 2529.00 | 23.0 | 35.4 | 41.4 | | | | 22 |
| V38 | 3203.00 | 37.8 | 56.7 | 68.0 | | | | 26 |
| V50 | 5099.00 | 51.5 | 77.2 | 92.7 | | | | 56 |
| V70 | 5923.00 | 69.7 | 104.5 | 125.4 | 1: 8~70 2: 15~140 3: 20~210 | | | |

Pump 2

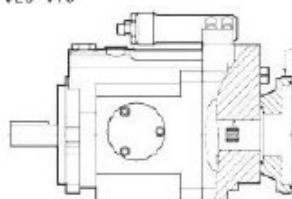
Pump 1



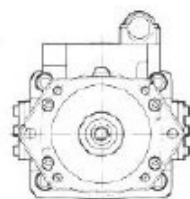
V15



V23-V70



Adapter



NOMENCLATURE:

| | | | | | | | | | | |
|----------|-----------|----------|----------|----------|----------|----------|---|----------|-----------|-----------|
| V | 15 | A | 3 | R | | | - | | 40 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 |

1 Series

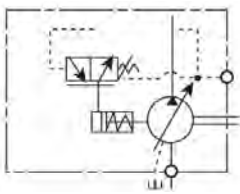
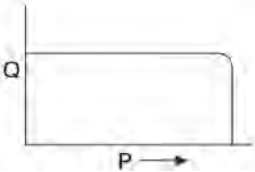
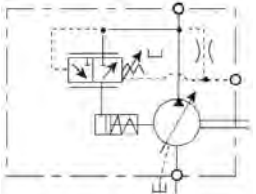
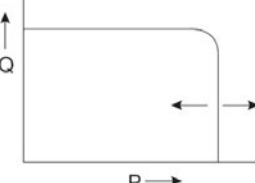
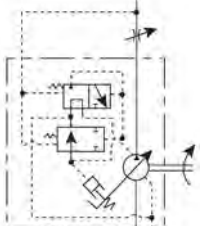
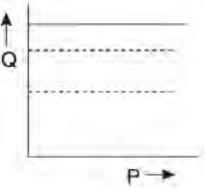
| | | |
|---|---|----------|
| Axial piston pump Variable displacement High pressure version | Nominal pressure: 175 bar Maximum pressure: 280 bar Single operation period: 250 bar (6ms), 315 bar (2.5ms) | V |
|---|---|----------|

2 Size & Displacement

| | | | | | |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|
| | 15 | 23 | 38 | 50 | 70 |
| Size | 1 | 2 | 3 | 4 | 4 |
| Displacement cm ³ /rev | 15 | 23 | 37.8 | 51.5 | 69.7 |

3 Control Device

| | List Price \$ (V15/23/38) | List Price \$ (V50/70) | Controls |
|---|---------------------------|------------------------|------------|
| Standard pressure control | - | - | A |
| Remote pressure control | 335.00 | 567.00 | G |
| Load-sensing control high pressure (21kg) | 366.00 | 458.00 | HLC |

| Controls | Symbol | Characteristic | Specifications |
|------------|---|---|---|
| A |  |  | <ol style="list-style-type: none"> When system pressure increases and reaches required pressure, the flow decreases automatically and the pressure is constant. Pressure and flow can be manually adjusted. |
| G |  |  | <ol style="list-style-type: none"> The same function of control type A. Pressure can be adjusted remotely by the remote control valve. |
| HLC |  |  | <ol style="list-style-type: none"> HL valve with two different pressures, control displacement. The flow can be changed by HL valve, the sensing feedback can reach low oil temperature and energy saving. |

PISTON PUMPS

Pump & Controller Options

4 Pressure Adjusting

| | |
|--------------|----------|
| 8 - 70 bar | 1 |
| 15 - 140 bar | 2 |
| 20 - 210 bar | 3 |
| 20 - 250 bar | 4 |

5 Rotation

| | |
|---------------------|----------|
| Clockwise ↻ | R |
| Counter Clockwise ↺ | L |

6 Direction of Pipe Connections

| | |
|------------------------------|----------------|
| Standard: Side Port (flange) | (blank) |
|------------------------------|----------------|

7 Shaft Type

| | Keyed (standard) | | Spline (optional) | |
|----------|------------------|----------------|-------------------|----------|
| V15 | Keyed 3/4 | (blank) | 13T 16/32 DP | S |
| V23, V38 | Keyed 7/8 | (blank) | 13T 16/32 DP | S |
| V50, V70 | Keyed 1.1/4 | (blank) | 14T 12/24 DP | S |

8 Voltage - option unavailable

9 Thread Type

| | |
|----------|-----------|
| BSPP (G) | 40 |
|----------|-----------|

10 Thru Drive & Second Pump

| | Part | List Price \$ | |
|-----------------|---------------|----------------|----------|
| Ø 82.55mm SAE A | V15, V23, V38 | 2215.00 | D |
| | V50, V70 | 2575.00 | D |