

## VP1



- Pressures up to 345 Bar (5000 PSI)
- Suitable for all load-sensing systems
- Splined shaft DIN 5462
- Mounting flange ISO 7653-1985

- Light and compact
- Strong and reliable
- Less energy—less fuel—less heat
- Self-priming

Frame size* VP1	-45	-75	-120
Displacement (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	45 2.75	75 4.58	120 7.32
Max continuous pressure (Bar) (PSI)	300 4350	300 4350	300 4350
Self-priming speed* (rpm)	2100	2400	1800

\*2½" suction line

## F1/F2



- Pressures up to 345 Bar (5000 PSI)
- High power capability
- Twin flow version available
- High self-priming speed
- Easy to install
- Easy to service

Frame size F1/F2	F1				F2	
	-25	-41	-51	-61	-53/53	-70/35
Displacement (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	24 1.46	38 2.32	49 2.99	61 3.72	54/54 3.30/3.30	69/36 4.21/2.20
Max continuous pressure (Bar) (PSI)	345 5000	345 5000	345 5000	345 5000	345 5000	345 5000
Shaft speed (RPM)	2600	2400	2200	2200	1800	1800
Input torque (lb ft)	101	160	206	257	583	583
Input power (hp)	39	57	67	84	119	119

## P2/P3



- Designed for rugged duty mobile applications
- Compact packaging
- Low noise, low vibration
- P2: Side porting standard; rear porting available on 060 and 075
- P3: Side porting
- SAE spline shafts, SAE flanges
- High self-priming speed

- Load sense, pressure limiter, horsepower options available
- Easy to install, service friendly
- P3 has built-in impeller to suit applications requiring high self-priming speeds or high altitudes

Frame size P2	P2				P3		
	-060	-075	-105	-145	-075	-105	-145
Displacement (cc/rev) (in <sup>3</sup> /rev)	60 3.7	75 4.6	105 6.4	145 8.8	75 4.6	105 6.4	145 8.8
Max continuous pressure (Bar) (PSI)	317 4600	317 4600	317 4600	317 4600	317 4600	317 4600	317 4600
Self priming speed @ 1 Bar inlet pressure	2800	2500	2300	2200	3000	2600	2500