



HPR-02. Self-regulating pumps for open loop operation.

Design characteristics

- >> Axial piston pump in swashplate design for high pressure open loop systems
- >> Clockwise or counter clockwise rotation
- >> self-priming at high nominal speed
- >> tank pressurization or swash angle reduction for high speed applications
- >> adaptive noise optimization SPU
- >> decompression fluid is discharged via pump housing to keep suction side calm
- >> exact and rugged load sensing controls
- >> SAE high pressure ports
- >> SAE mounting flange with ANSI or SAE spline shaft
- >> through shaft SAE A, B, B-B and C
- >> optional tandem and multiple pumps

Regulator types

- >> LP Load sensing with hydraulic pressure cut-off
- >> E1L Load sensing with electrical override
- >> TL Load sensing with mechanical power limiter

- >> energy saving operation by 'flow on demand'-control
- >> dynamic response
- >> excellent suction up to rated speed
- >> noise optimization over the whole range of operation
- >> compact design
- >> high power density
- >> high reliability
- >> long working life

Product advantages

- >> optimum interaction with Linde LSC control valves and LinTronic

HPR-02		55	75	105	135	210	2x 105
Max. displacement	cm ³ /rev	54.8	75.9	105	135.6	210	2x 105
Continuous rated speed w/o pressurizing	rpm	2700	2600	2300	2300	2000	2300
Max. oil flow	l/min	147.9	197.3	241.5	311.9	420	483
Nominal pressure	bar	420	420	420	420	420	420
Peak pressure (intermittent)	bar	500	500	500	500	500	500
Continuous input torque	Nm	220	305	420	540	836	650
Max. input torque	Nm	368	508	702	907	1404	1090
Continuous power	kW	60	80	100	130	175	156
Max. power	kW	95	130	160	207	280	262
Weight (approx.)	kg	39	39	50	65	116	107