

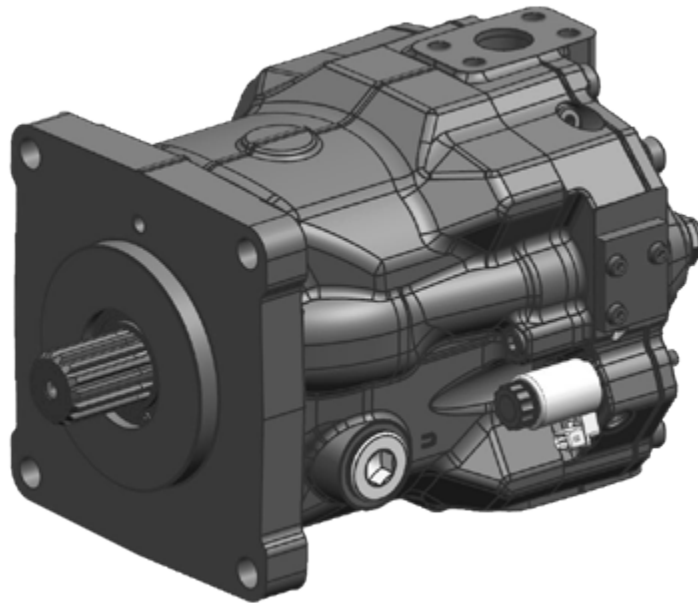


HPR 249-02

Self-regulating Pump

Swashplate Design

Open Circuit Operation



Design Characteristics

- >> Electro-proportional controlled pump
- >> Outstanding suction speed capability and high displacement
- >> Modular control

Advantages

- >> Cost-efficient solution & precise control
- >> Extremely compact pump
- >> No need of an impeller pump
- >> Versatile applications

General technical data

Nominal size			249
Displacement	Max. Displacement	cc/rev	249.9
	Speed	Maximum speed	rev/min
Oil flow	Max. oil flow ¹	l/min	2300 ³
Pressure	Nominal pressure	bar	574.8 ³
	Max. pressure ²		350
Torque		Nm	420
Power	Corner power(theoretical)	kW	1392
			335.3 ^{1, 3}
Weight	approx. (without oil)	kg	125

¹ theoretical data of a single unit without efficiency effects

² highest transient pressure, that can temporarily occur

³ consultation with Linde Hydraulics required



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Interfaces & Options

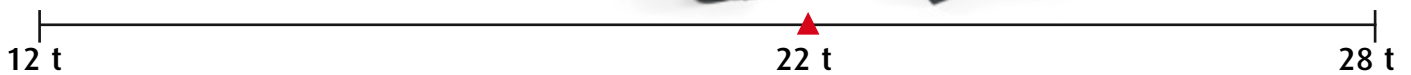
Nominal size	Flange	Shaft	PTO
249	SAE J744 SAE-E / 165-4	SAE J744 SAE-E / 8/16-15 teeth	SAE-C / 127-2

Nominal size	Controller			
249	Modal control without mechanical position feedback	EDC / LS / PCO		

Application example



Category



Equipment

- A** 1x iCon CD 88-01
- B** 1x HPR 249-02
- C** 1x VW22/18 M5-03
- D** 1x HMF 55-02
- E** 1x HMR 105-02