

SCPD 56/26 DIN By-Pass

Theoretical oil flow A+B at pump speed	rpm	l/min		
	600	34 + 16 = 50		
	1000	56 + 26 = 82		
	1200	67 + 31 = 98		
	1500	84 + 39 = 123		
	1800	101 + 47 = 148		
Displacement A+B	cm ³ /rev	56.0 + 26.1		
Max pump speed A+B	rpm	1850		
Max pump speed A	rpm	1850		
Max pump speed B	rpm	2200		
Max pump speed, relieved	rpm	2700		
Max working pressure	Bar	400		
Weight without valve	kg	18.0		
Weight with valve	kg	22.5		
Tare-weight torque without valve	Nm	21.0		
Tare-weight torque with valve	Nm	25.5		
Theoretical power at pressure and pump speed	rpm	200 Bar	300 Bar	400 Bar
	600	11.2 + 5.2 = 16.4 kW	16.8 + 7.8 = 24.6 kW	22.4 + 10.4 = 32.8 kW
	1200	22.4 + 10.4 = 32.8 kW	33.6 + 15.6 = 49.2 kW	44.8 + 20.8 = 65.6 kW
	1800	33.6 + 15.6 = 49.2 kW	50.4 + 23.4 = 73.8 kW	67.2 + 31.2 = 98.4 kW
Theoretical torque on pump shaft at different pressures		200 Bar	300 Bar	400 Bar
		178 + 83 = 261 Nm	267 + 124 = 391 Nm	356 + 165 = 521 Nm
Direction of rotation	Left (L) or Right (R)			

