

**With two separate flows and a directly mounted By-Pass valve, the Sunfab's SCPD 56/26 By-Pass DIN is the most flexible compact fixed flow pump on the market.**

SCPD 56/26 DIN By-Pass is ideal for combination vehicles which require different flows and where there is a need to operate equipment while moving. The pump is primarily intended for engine-mounted power take-offs.

The constant engagement is made possible by the By-Pass valve, which immediately relieves the load on the pump and power take-off when oil is not required. The pressure drop of the By-Pass valve is very low, so its function is energy efficient.

#### **Other advantages:**

- The By-Pass valve can relieve the load from full operating pressure of 400 bar, which allows emergency stop function
- The valve's 24 V solenoids have integrated electrical cables which meet protection class ADR

## Versions, main data

Example

SC	PD	-	56/26	L	-	V	-	DL4	-	L35	-	S0	S	-	2	00
Line	1		2	3		4		5		6		7	8		9	10

Line	
SC	Sunfab Compact

1. Type	
PD	Dual flow pump

2. Displacement	
	56/26

3. Direction of rotation	
L	Left
R	Right

4. Sealing	
V	HNBR

5. Mounting flange	
DL4	DIN 4-h (ISO 76530)

6. Shaft	
L35	DIN 5462/ISO14

X = Standard, preferred  
 (X) = Available, option  
 O = Contact Sunfab

7. Connection cover	
S0	Sunfab standard

8. Connections	
S	Sunfab standard

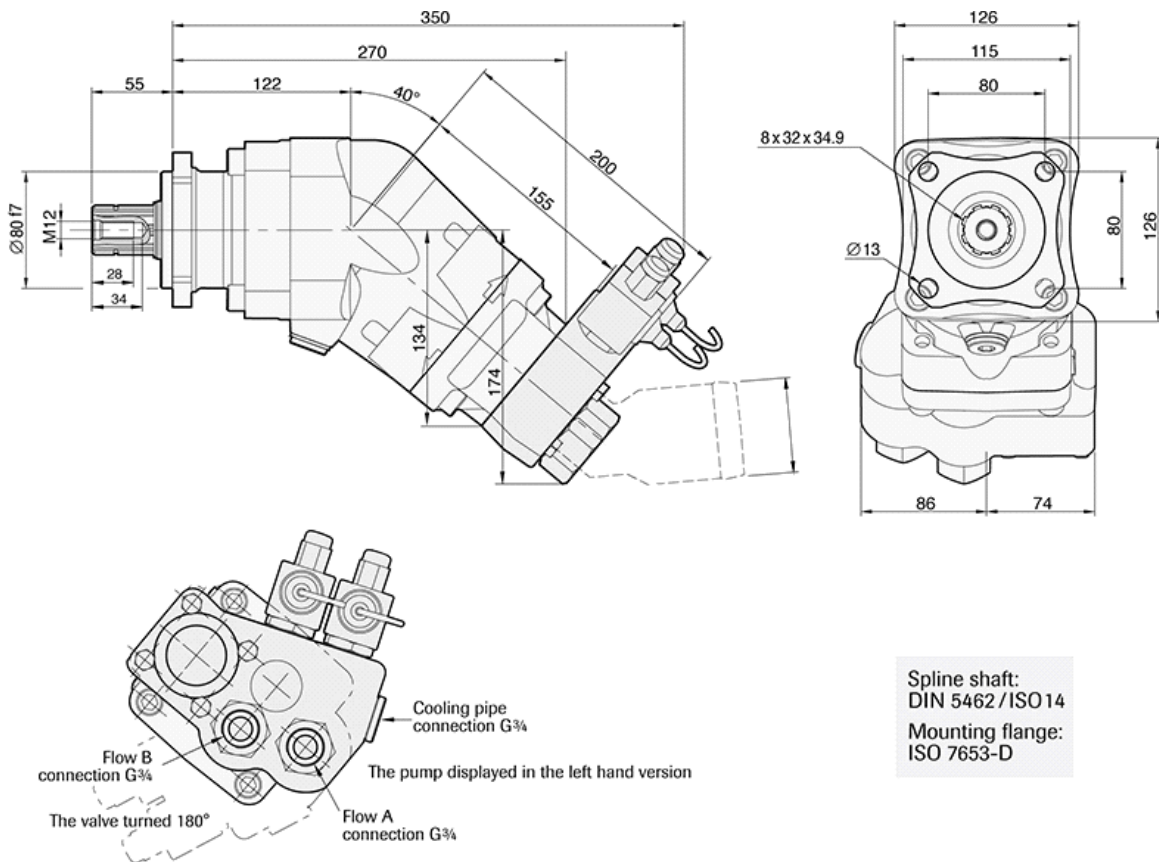
9. Additional	
2	Optimized

10. Accessories	
00	No accessories available

Double by-pass valve Art. no 20536 is ordered seperately.

**Pump SCPD 56/26 DIN By-Pass**

Theoretical oil flow A+B at pump speed	rpm	l/min		
	600	33.5 + 15.5 = 49		
	1000	56.0 + 26.0 = 82		
	1200	67.0 + 31.0 = 98		
	1500	84.0 + 39.0 = 123		
	1800	100.5 + 46.5 = 147		
Displacement A+B	cm <sup>3</sup> /rev	56.0 + 26.0		
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		
Weight with valve	kg	22.5		
Tare-weight torque without valve	Nm	21		
Tare-weight torque with valve	Nm	25.5		
Nominal 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
Nominal torque on pump shaft at different pressures	1800	33.6 + 15.6 = 49.2 kW	50.4 + 23.4 = 73.8 kW	67.2 + 31.2 = 98.4 kW
		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)			





**WARNING**

When the pump is running:

1. Do not touch the pressure hose
2. Watch out for rotating parts
3. The pump and hoses may be hot

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