



SCPD 76/76 DIN is a dual flow pump with two separate flows of equal sizes.

SCPD 76/76 DIN gives a maximum flow of $33.7 + 33.7 = 67.4$ GPM and supports a maximum working pressure of 5076 psi. It can effectively be directly mounted on gear boxes equipped with engageable and disengageable power take-offs. SCPD 76/76 is a modern, compact pump, which meets the market's high demands on flow performance, pressure, efficiency and small installation dimensions. It is speed optimized and therefore supplied for either left (L) or right (R) rotation direction.

Other advantages:

- Large displacement gives the possibility of low engine speeds and low noise levels.
- Long life due to high demands on material selection, such as bearings, seals, etc.
- O-rings on all contact surfaces as well as double shaft seals eliminate oil leakage from the pump and power take-off.
- Highest displacement-to-size-ratio on the market.

Versions, main data

Example

SC	PD	-	76/76	L	-	N	-	DL4	-	L35	-	S0	S	-	2	00
Line	1		2	3		4		5		6		7	8		9	10

Line

SC	Sunfab Compact, bent-axis design
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1. Type

P	
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2. Displacement

	76/76
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3. Direction of rotation

R	Right
L	Left

4. Shaft seal

N	Nitrile
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5. Mounting flange

DL4	DIN 4-h (ISO 7653D)
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6. Shaft

L35	DIN 5462 / ISO 14
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7. Connection cover

S0	40° Sunfab standard
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8. Connections

S	Sunfab standard
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9. Additional

2	Optimized
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10. Accessories

00	No accessories available
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SCPD 76/76 DIN

Theoretical oil flow, A+B at pump speed

		GPM
rpm	1000*	19.8+19.8=39.6
	1500	29.7+29.7=59.4

Displacement

cu in/rev	4.58 + 4.58
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Max pump speed

rpm	<i>continuous</i>	1500
	<i>intermittent</i>	1700

Max working pressure

psi	5076
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Weight

lb	51.1
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Moment of inertia (x 10⁻³)

lb-ft-sec ²	14.8
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Tare-weight torque (M)

lb-ft	25.4
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Theoretical power at pressure and pump speed

		2901 psi	3526 psi	5076 psi
rpm	1000*	33.5+33.5=67.0 hp	42.0+42.0=83.9 hp	58.7+58.7=117 hp
	1500	50.3+50.3=101 hp	62.9+62.9=126 hp	88.0+88.0=176 hp

Nominal torque on pump shaft at different pressures

	2901 psi	3526 psi	5076 psi
	176+176=353 lb-ft	220+220=440 lb-ft	308+308=617 lb-ft

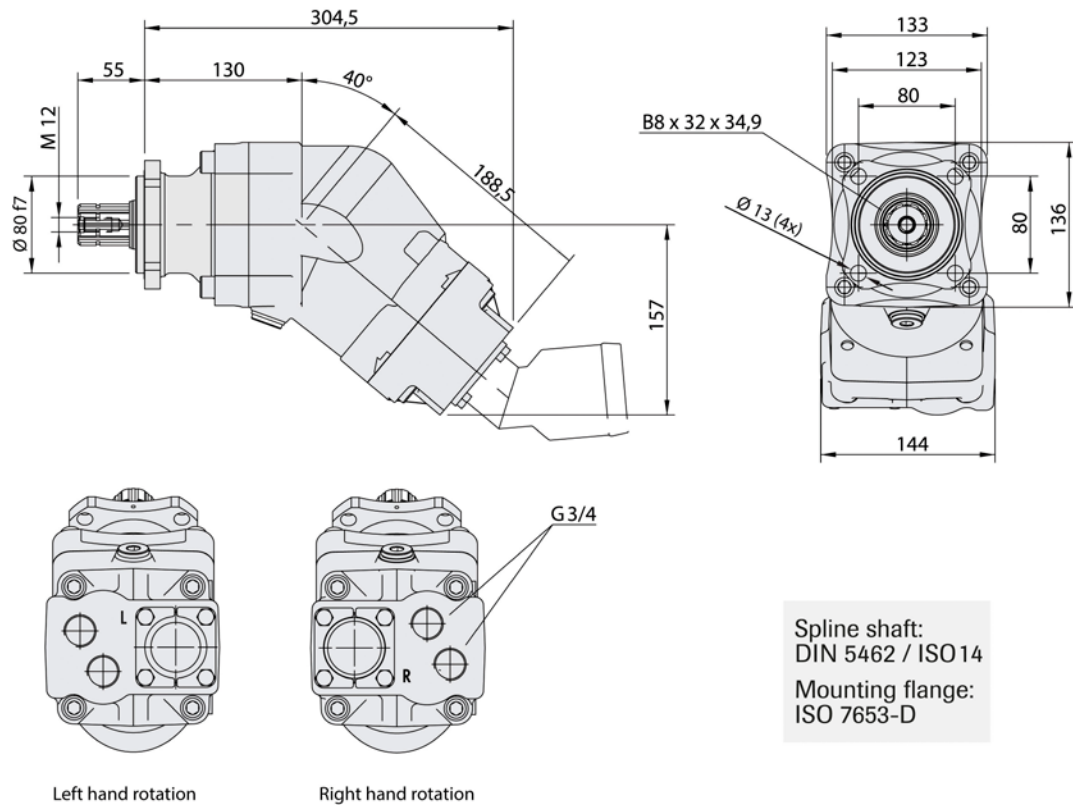
Direction of rotation

Left (L) or Right (R)

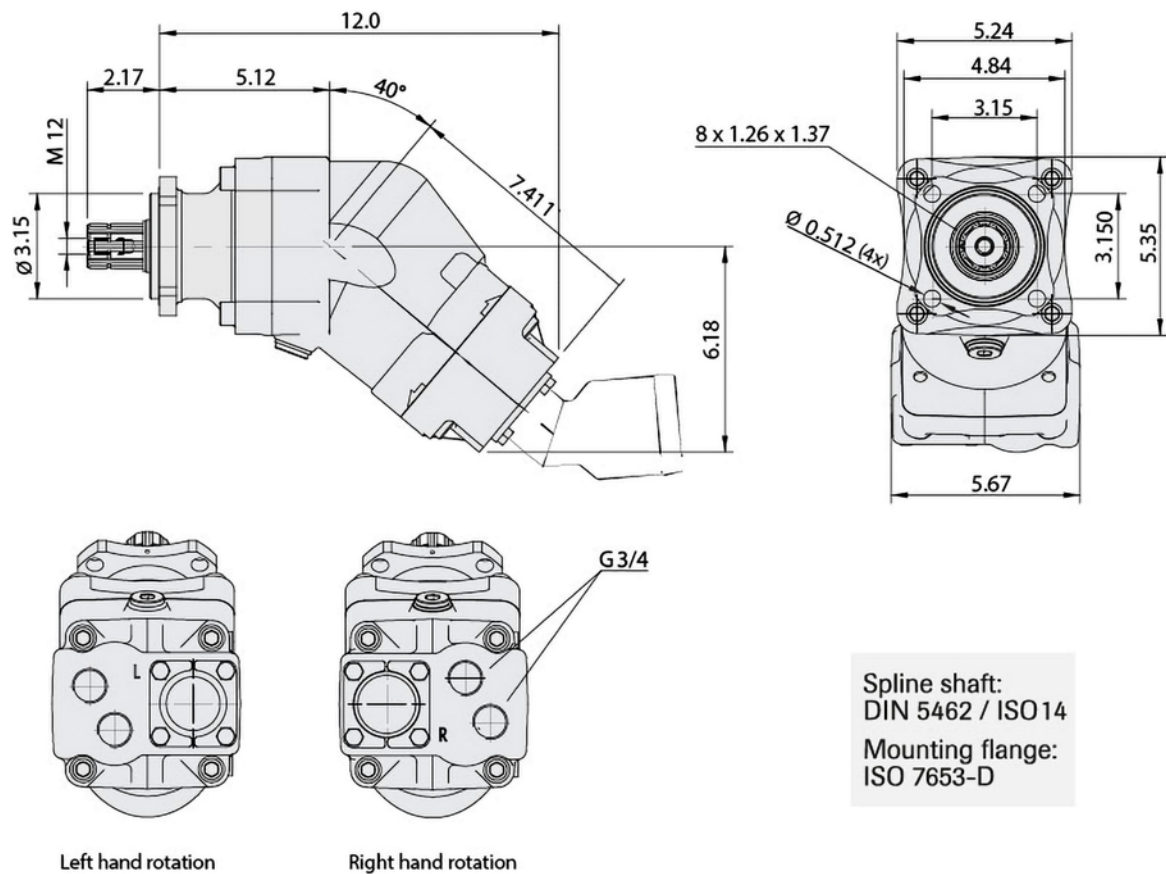
*We recommend a minimum pump speed of 1000 rpm to obtain optimal performance, efficiency and lifespan of the pump.

Dimensions SCPD 76/76 DIN

Millimeter



Inches





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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