



SCP 012-108 DIN is a series of piston pumps with a fixed displacement for demanding mobile hydraulics.

SCP 012-108 DIN covers the entire displacement range 0.77- 6.59 cu in/rev at a maximum working pressure of 5800 psi. It is a modern, compact pump which meets the market's high demands on flow performance, pressure, efficiency and small installation dimensions.

It is either mounted directly on the power take-off, or on a frame bracket via an intermediate shaft.

Other advantages:

- High maximum speed while maintaining low noise levels
- Smooth operation over the entire speed range
- 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
- The stop shoulder on the angular housing allows the pump's direction of rotation to be changed without the risk of altering the gear meshing
- Complete inventory and service in the US

Versions, main data

Example

SC	P	-	084	L	-	N	-	DL4	-	L35	-	S0	S	-	0	00
Line	1		2	3		4		5		6		7	8		9	10

Line	SC	Sunfab Compact, bent-axis design
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7.	S0	40° Sunfab standard
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1. Type	P	Pump
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8. Connections	S	Sunfab standard
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2. Displacement	012	017	025	034	040	047	056	064	084	108
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9. Additional	0	-
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3. Direction of rotation	R	Right
	L	Left

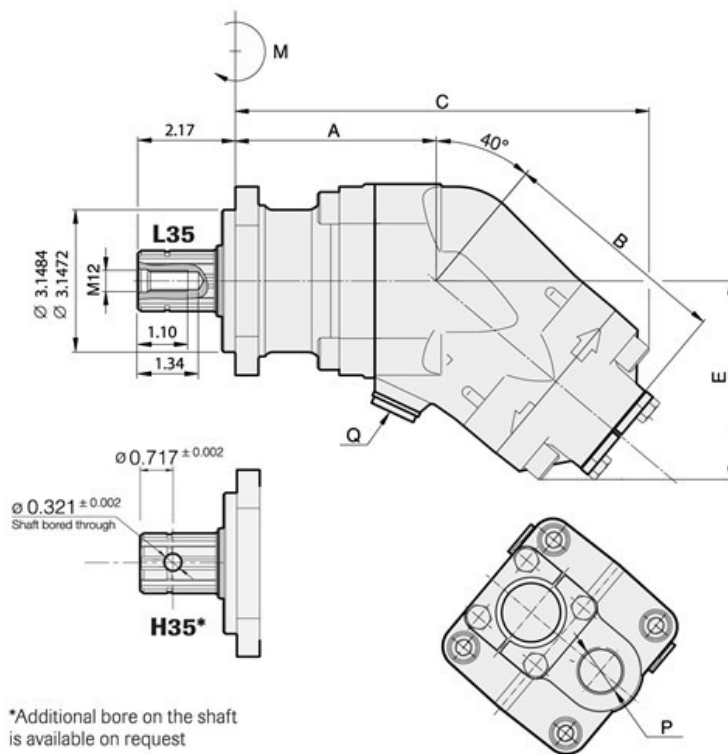
10. Accessories	00	No accessories available
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4. Sealing	N	Nitrile
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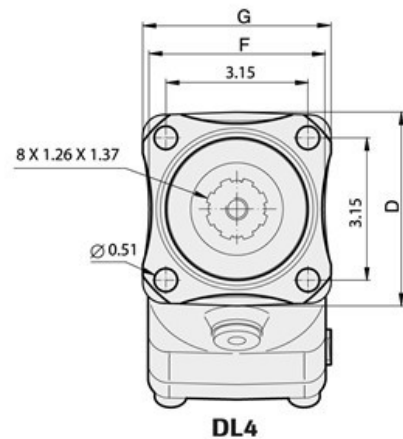
5. Mounting flange	DL4	DIN 4-h (ISO 7653D)
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6. Shaft	L35	DIN 5462 / ISO 14
	H35	DIN 5462 / ISO 14 Ø 8.15

Pump SCP 012-108 DIN		012	017	025	034	040	047	056	064	084	108	
Theoretical oil flow at pump speed	rpm	500	1.66	2.24	3.35	4.52	5.44	6.21	7.40	8.40	11.0	14.3
		1000	3.33	4.49	6.71	9.03	10.9	12.4	14.8	16.8	22.1	28.5
		1500	4.99	6.74	10.1	13.5	16.3	18.6	22.2	25.2	33.1	42.8
Displacement	cu in/rev	0.77	1.04	1.55	2.09	2.51	2.87	3.42	3.88	5.10	6.59	
Max pump speed	rpm	2300	2300	2300	2300	1900	1900	1900	1900	1500	1500	
		3000	3000	3000	3000	2500	2500	2500	2500	2000	2000	
Max working pressure	psi	5800	5800	5800	5800	5800	5800	5800	5800	5800	5800	
Weight	lb	18.3	18.3	18.7	18.7	25.8	25.8	25.8	25.8	37.5	37.5	
Dimensions	in	A	3.82	3.82	3.82	3.82	4.45	4.45	4.45	4.45	4.84	4.84
		B	4.41	4.41	4.41	4.41	5.12	5.12	5.12	5.12	5.79	5.79
		C	7.95	7.95	7.95	7.95	8.98	8.98	8.98	8.98	10.2	10.2
		D	3.90	3.90	3.90	3.90	4.29	4.29	4.29	4.29	4.96	4.96
		E	3.82	3.82	3.82	3.82	4.29	4.29	4.29	4.29	4.96	4.96
		F	3.50	3.50	3.50	3.50	3.90	3.90	3.90	3.90	4.53	4.53
		G	3.82	3.82	3.82	3.82	4.17	4.17	4.17	4.17	4.84	4.84
		H	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0
				2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5
	ISO-G	P	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1	1	
	ISO-G	Q	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
Tare-weight torque (M)	lb-ft	5.1	5.1	5.4	5.4	9.6	9.6	9.6	9.6	15.4	15.4	
Direction of rotation	Left (L) or Right (R)											



Spline shaft:
DIN 5462 / ISO 14
Mounting flange:
ISO 7653-D



Useful conversions:
 1 in = 25.40 mm
 1 GPM = 3.79 l/min.
 1 cu in/rev. = 16.39 cm³/rev.
 1 psi = 0.00689 MPa
 1 psi = 0.07 bar
 1 lb = 0.45 kg
 1 lb-ft = 1.36 Nm



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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