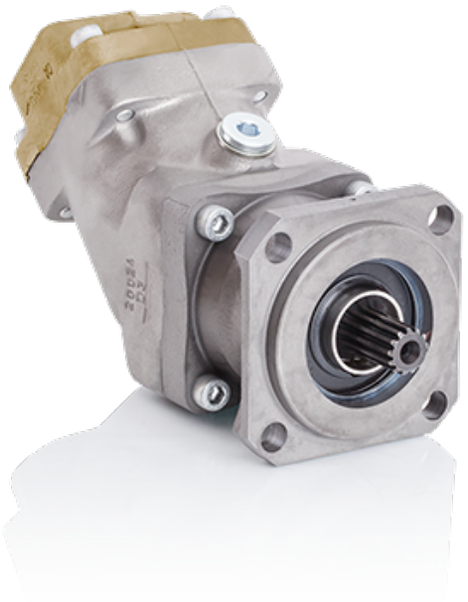
SCP 012-108 SAE



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

Sunfab SCP 012-108 SAE pumps are equipped with shafts and flanges according to the SAE-B and SAE-C standard. They are available in the range from 12-108 cm^3. It is a modern, compact pump which meets the market´s high demands on flow performance, pressure, efficiency and small installation dimensions.

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

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

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Versions, main data

Example

SC	P	-	084	L	-	N	-	SC4	-	C14	-	S0	S	-	0	00
Line	1		2	3		4		5		6		7	8		9	10

Line

SC	Sunfab Compact

1. Type

P	Pump

2. Displacement

012	017	025	034	040	047	056	064	084	090	108

3. Direction of rotation

R	Right
L	Left

4. Sealing

N	Nitrile

5. Mounting flange

		012	017	025	034	040	047	056	064	084	090	108
SB4	SAE B4	X	X	X	X	X	X	X	X	-	-	-
SC4	SAE C4	-	-	-	-	X	X	X	X	X	-	X

6. Shaft

		012	017	025	034	040	047	056	064	084	090	108
B13	SAE B 13t	-	-	X	X	X	X	X	X	-	-	-
H13	SAE B 13t	X	X	X	X	X	X	X	X	-	-	-
C14	SAE C 14t	-	-	-	-	X	X	X	X	X	-	X

7. Connection cover

S0	40° Sunfab standard

8. Connections

S	Sunfab standard

9. Additional

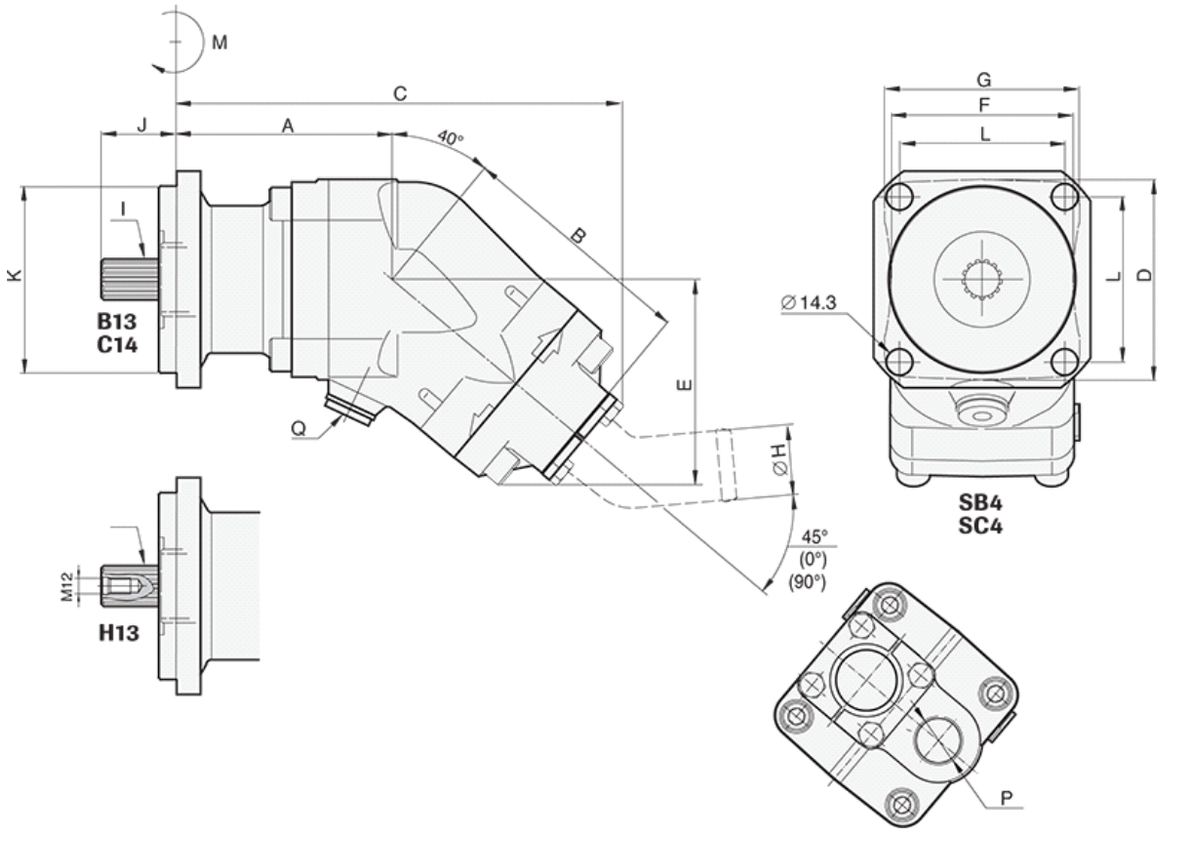
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10. Accessories

00	No accessories available

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Pump SCP 012-108 SAE			012	017	025	034	040	047	056	064	040	047	056	064	084	108
Theoretical oil flow						l/min							l/min			
at pump speed	rpm	500	6.3	8.5	12.7	17.1	20.6	23.5	28.0	31.8	20.6	23.5	28.0	31.8	41.8	54.0
		1000	12.6	17.0	25.4	34.2	41.2	47.1	56.0	63.6	41.2	47.1	56.0	63.6	83.6	108.0
		1500	18.9	25.5	38.1	51.3	61.8	70.6	84.0	95.4	61.8	70.6	84.0	95.4	125.4	162.0
Displacement	cm^3/rev		12.6	17.0	25.4	34.2	41.2	47.1	56.0	63.6	41.2	47.1	56.0	63.6	83.6	108.0
Max pump speed																
continuous	rpm		2300	2300	2300	2300	1900	1900	1900	1900	1900	1900	1900	1900	1500	1500
limited			3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2000	2000
Max working pressure	bar		400	400	400	400	400	400	400	350	400	400	400	400	400	400
Weight	kg		8.7	8.6	8.9	8.8	12.3	12.3	12.3	12.2	14.3	14.3	14.3	14.1	19.0	19.0
Dimensions	mm	A	101	101	101	101	117	117	117	117	119	119	119	119	128	128
		B	117	117	117	117	130	130	130	130	130	130	130	130	147	147
		C	209	209	209	209	235	235	235	235	237	237	237	237	262	262
		D	99	99	99	99	109	109	109	109	109	109	109	109	126	126
		E	97	97	97	97	112	112	112	112	112	112	112	112	126	126
		F	89	89	89	89	99	99	99	99	99	99	99	99	115	115
		G	97	97	97	97	106	106	106	106	106	106	106	106	123	123
		H	38	38	38	38	38	38	38	38	38	38	38	38	50	50
			50	50	50	50	50	50	50	50	50	50	50	50	64	64
SAE standard		I				SAE B							SAE C			
						13T-16/32DP							14T-12/24DP			
		J	41	41	41	41	41	41	41	41	56	56	56	56	56	56
		K	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	127.0	127.0	127.0	127.0	127.0	127.0
		L	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	114.5	114.5	114.5	114.5	114.5	114.5
	ISO G	P	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	1	1
	ISO G	Q	½	½	½	½	½	½	½	½	½	½	½	½	½	½
Tare-weight torque (M)	Nm		6.9	6.9	7.4	7.4	13	13	13	13	13	13	13	13	21	21
Direction of rotation		Left (L) or Right (R)														



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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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