



SAP/SAPT 012-130 SAE is a series of light weight casing piston pumps with a fixed displacement for demanding mobile hydraulics.

SAP/SAPT 012-130 SAE covers the displacement range 12-130 cm³/rev. at a maximum pressure up to 400 bar. 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. Sunfab also offers a two-bolt flange, SAE B2 012-034.

SAPT 090, 130 is an addition to the SAP series that supports larger flows and pressure up to 300 bar. Ideal for applications that require both a high flow and a high working pressure.

Other advantages:

- Light weight metal casing design
- Smooth operation over the entire speed range
- Long life due to high demands on material selection, such as bearings, seals, etc
- Corrosion free light metal-housing
- Less heat generation due to better ability to dissipate heat through housing

Versions, main data

Example

SA	P	-	064	L	-	N	-	SB4	-	B13	-	S0	S	-	0	00
Line	1		2	3		4		5		6		7	8		9	10

Line	
SA	Sunfab Aluminium

1. Type	
P	Pump

2. Displacement	
012 017 025 034 040 047 056 064 084 090 108 130	

3. Direction of rotation	
R	Right
L	Left

4. Shaft seal	
N	Nitrile
V*	HNBR

*Can withstand higher temperature, e.g. on engine PTO. Not available for 012-034.

5. Mounting flange		012	017	025	034	040	047	056	064	084	090	108	130
SB2	SAE B2	X	X	X	X	-	-	-	-	-	-	-	-
SB4	SAE B4	X	X	X	X	X	X	X	X	-	X	-	-
SC4	SAE C4	-	-	-	-	X	X	X	X	X*	-	X*	X*

*SAP 084, 108 & 130 with adapter flange for SC4.

6. Shaft		012	017	025	034	040	047	056	064	084	090	108	130
B13*	SAE B 13t	X	X	X	X	X	X	X	X	-	X	-	-
C14	SAE C 14t	-	-	-	-	X	X	X	X	X	-	X	X

*Only with SB2/SB4 mounting flange

- = Not available

X = Standard, preferred

7. Connection cover	
S0	40° Sunfab standard

8. Connections	
S	Sunfab standard

9. Additional	
0	-

10. Accessories	
00	No accessories available

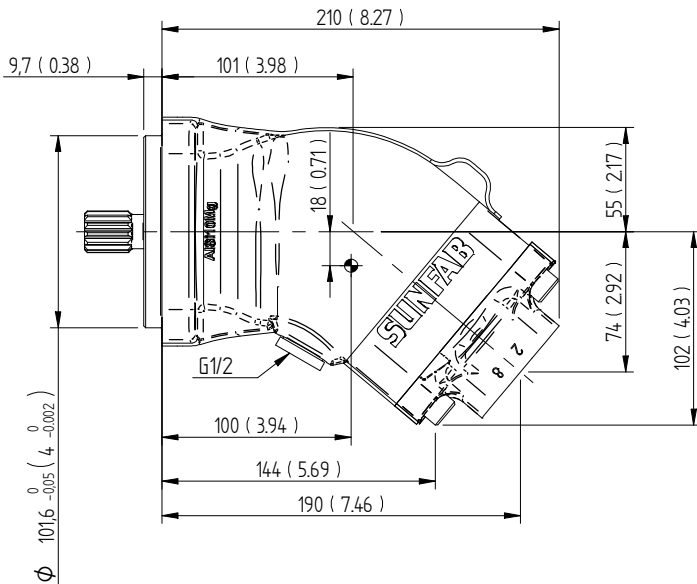
SAP/SAPT 012-130 SAE		012	017	025	034	040	040	047	047	056	056	064	064	084	090*	108	130*
		SAE B	SAE B	SAE B	SAE B	SAE B	SAE C	SAE B	SAE C	SAE B	SAE C	SAE B	SAE C	SAE C	SAE C	SAE C	SAE C
Theoretical oil flow l/min at pump speed																	
rpm	500	6	9	13	17	21	21	24	24	28	28	32	32	42	45	54	65
	1000	13	17	25	34	41	41	47	47	57	57	64	64	84	90	108	130
	1500	19	26	38	51	62	62	71	71	85	85	95	95	125	135	162	195
Displacement																	
cm ³ /rev		12.6	17.0	25.4	34.2	41.2	41.2	47.1	47.1	56.7	56.7	63.6	63.6	83.6	90.0	108.0	130.0
Max pump speed																	
continuous	rpm	2300	2300	2300	2300	1900	1900	1900	1900	1900	1900	1900	1900	1600	1500	1600	1500
intermittent		3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2100	2000	2100	2000
Max working pressure																	
bar		400	400	400	400	400	400	400	400	400	400	350	400	400	300	400	300
Weight																	
kg		7.3	7.3	7.5	7.4	9.7	10.4	9.7	10.4	9.2	9.9	9.6	10.3	16.2	9.6	15.9	16.2
Tare-weight torque (M)																	
Nm		7.2	7.2	7.4	7.3	10.2	10.9	10.2	10.9	9.7	10.4	10.1	10.8	22.3	10.1	21.9	22.3
Direction of rotation																	
Left (L) or Right (R)																	

*SAPT

Dimensions SAP 012-034 SAE

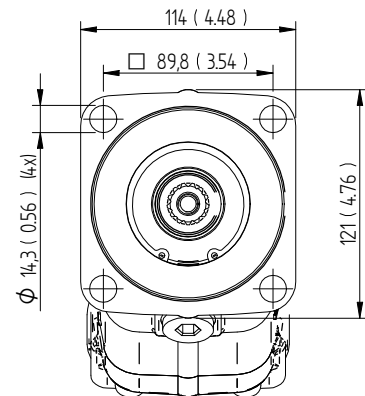
Millimeter (inch)

SB4 / SB2 SAE J744

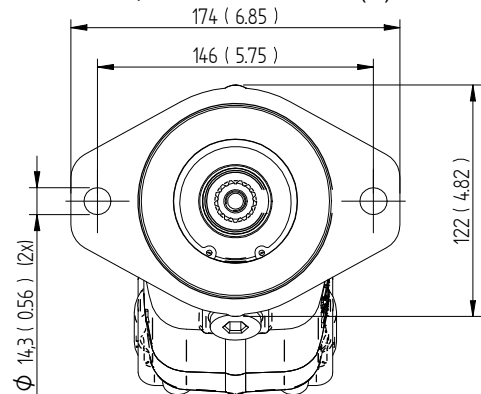


Center of gravity

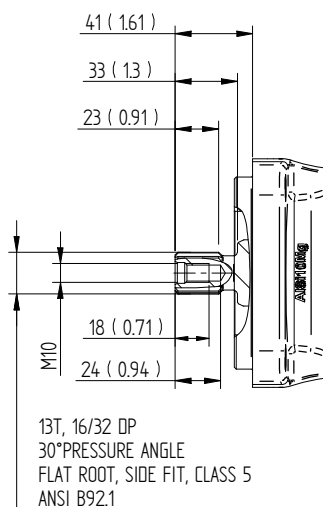
SB4 SAE J744, ID. CODE: 101-4 (B)



SB2 SAE J744, ID. CODE: 101-2 (B)

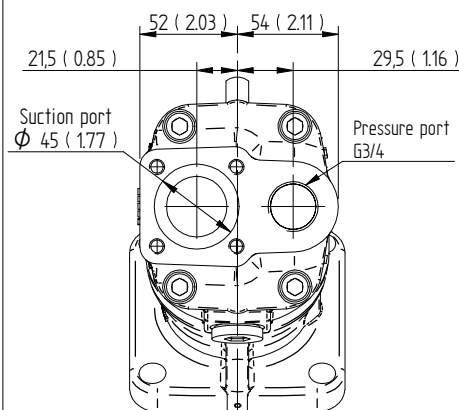


B13 SAE J744, ID. CODE: 22-4 (B)



13T, 16/32 DP
30°PRESSURE ANGLE
FLAT ROOT, SIDE FIT, CLASS 5
ANSI B92.1

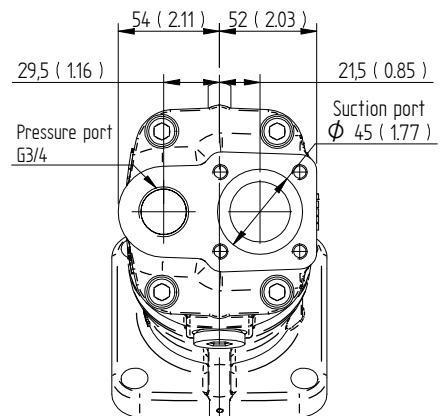
S0S LEFT ROTATION (L)



Suction port
Ø 45 (1.77)

Pressure port
G3/4

S0S RIGHT ROTATION (R)



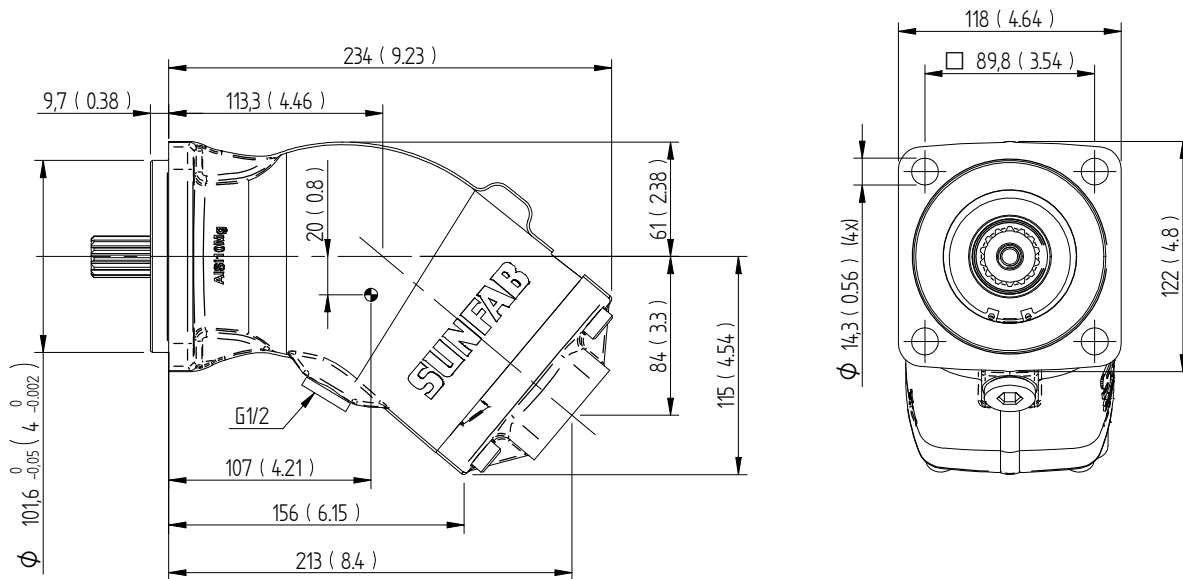
Pressure port
G3/4

Suction port
Ø 45 (1.77)

Dimensions SAP 040-064 SAE, SAPT 090 SAE

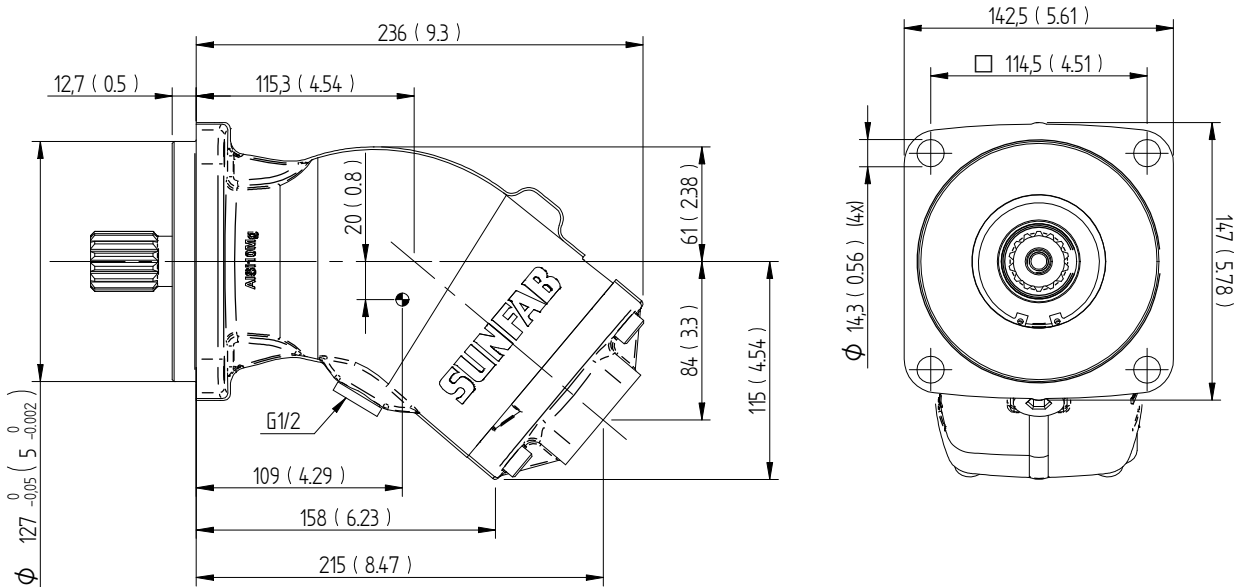
Millimeter (inch)

SB4 SAE J744, ID. CODE: 101-4 (B)



Center of gravity

SC4 SAE J744, ID. CODE: 127-4 (C)



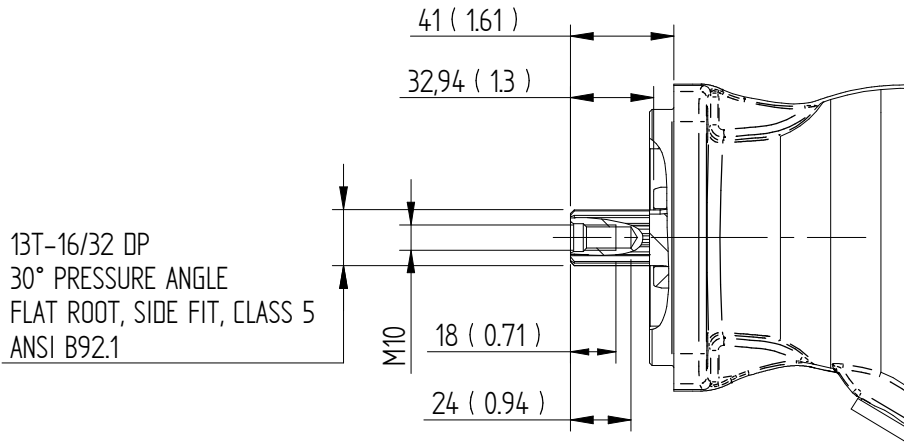
Center of gravity

Dimensions SAP 040-064 SAE, SAPT 090 SAE

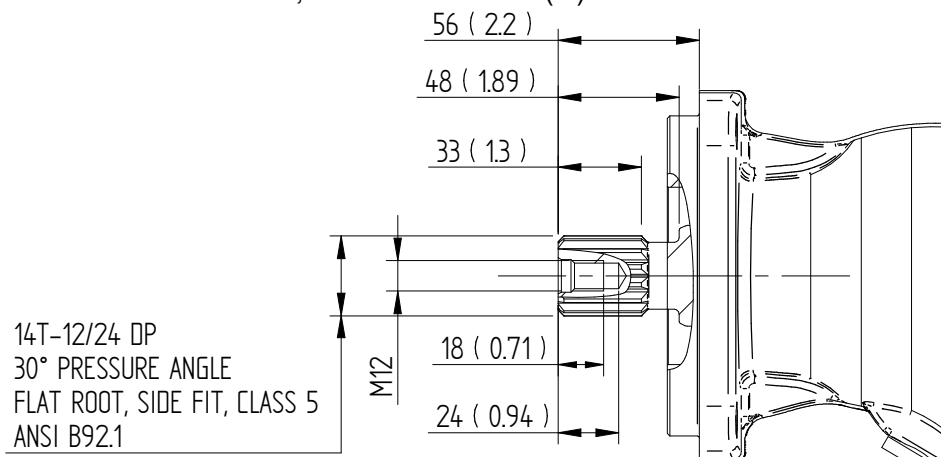
Flange & Connection cover

Millimeter (inch)

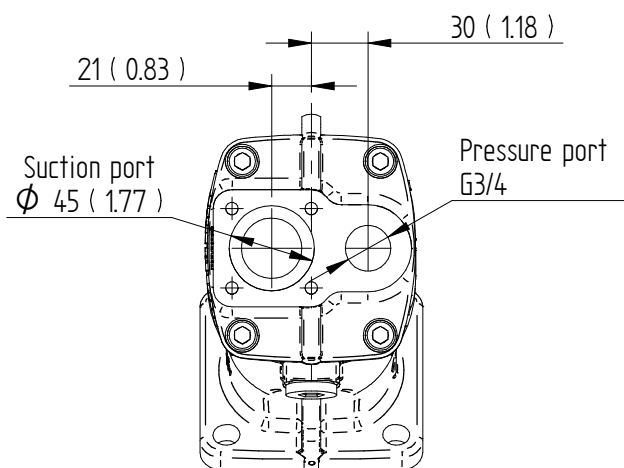
SB4 B13 SAE J744, ID. CODE: 22-4 (B)



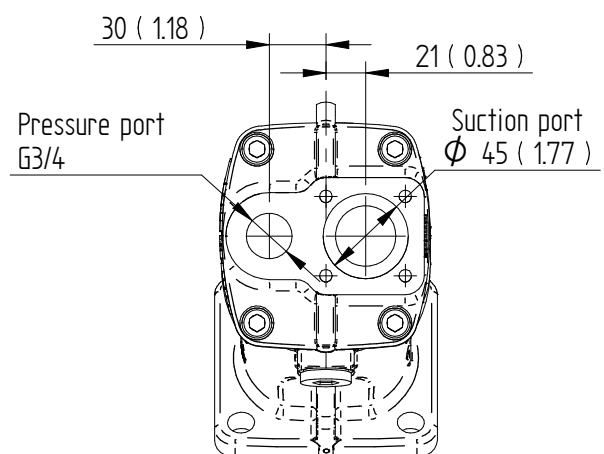
SC4 C14 SAE J744, ID. CODE: 32-4 (C)



S0S LEFT ROTATION (L)



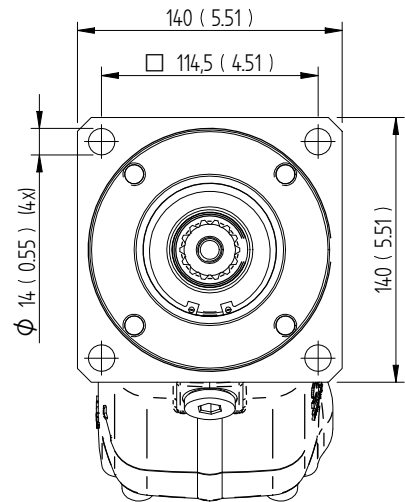
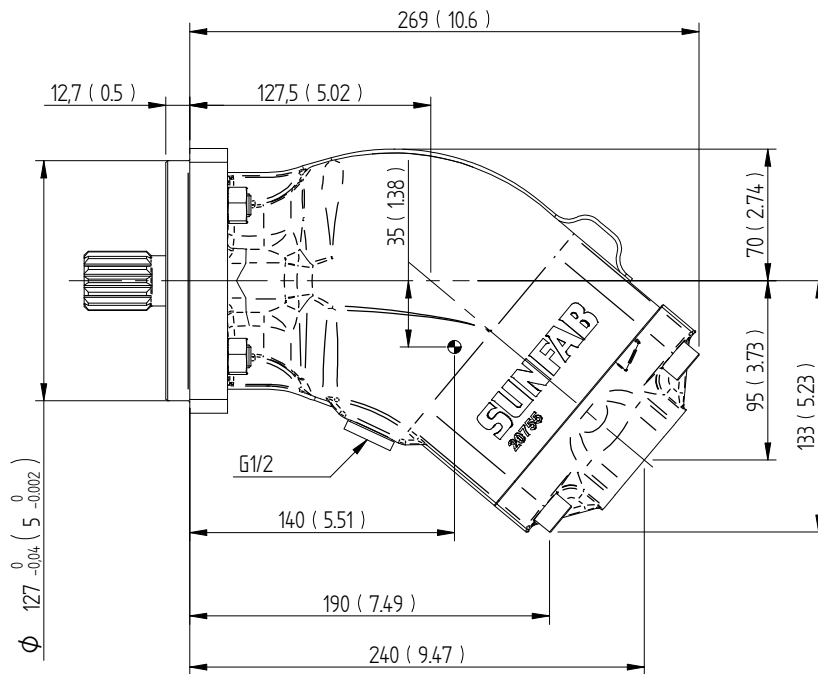
S0S RIGHT ROTATION (R)



Dimensions SAP 084-108 SAE, SAPT 130 SAE

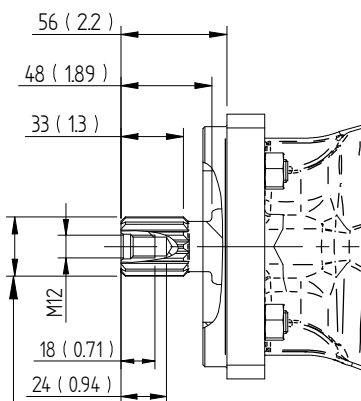
Millimeter (inch)

SC4 SAE J744, ID. CODE: 127-4 (C)



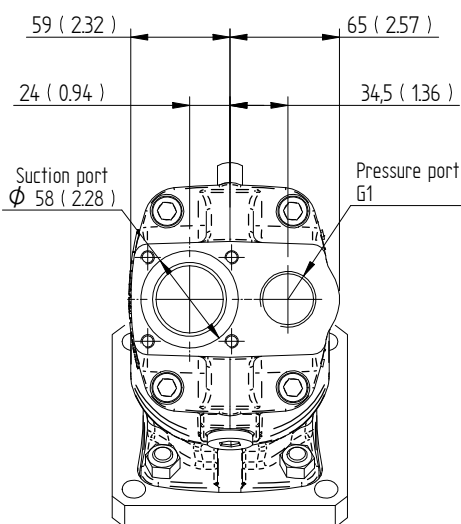
Center of gravity

C14 SAE J744, ID. CODE: 32-4 (C)

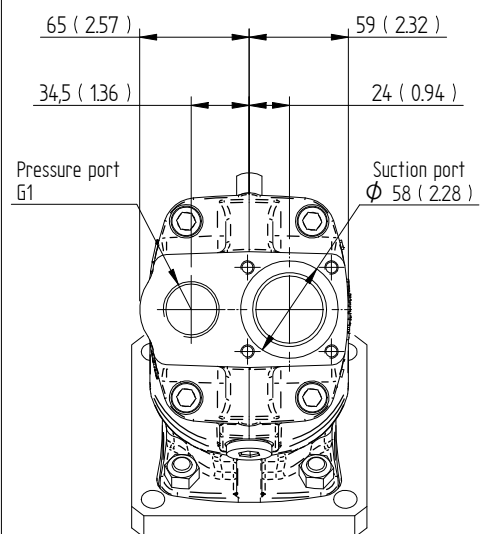


14T-12/24 DP
30° PRESSURE ANGLE
FLAT ROOT, SIDE FIT, CLASS 5
ANSI B92.1

SOS LEFT ROTATION (L)



SOS RIGHT ROTATION (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

Sunfab reserves the right to make changes in design and dimensions without notice. Printing errors reserved.

© Copyright 2025 Sunfab Hydraulics AB. All Rights Reserved.