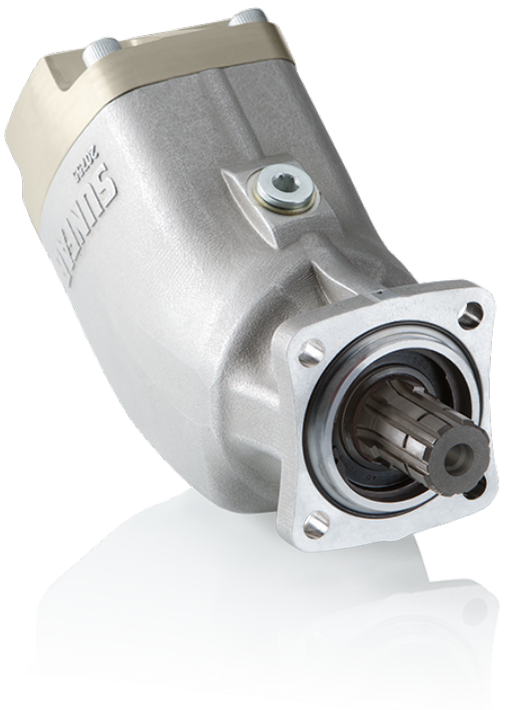
SAP 084, 108 DIN OPTIMISED



SAP DIN Optimised is a series of piston pumps with a fixed displacement for demanding mobile hydraulics.

SAP 084, 108 DIN Optimised covers the displacement range 84 and 108 cm³/rev. at a maximum pressure of 400 bar. 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.

It is a speed-optimised pump and are therefore supplied for either left (L) or right (R) rotation direction.

The front seals in the pump are made of HNBR to withstand the higher temperatures that occur at engine PTO mounting.

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

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Versions, main data

Example

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

Line

SA	Sunfab Aluminium

1. Type

P	Pump

2. Displacement

084	108

3. Direction of rotation

R	Right
L	Left

4. Sealing

V	HNBR

5. Mounting flange

DL4	DIN 4-h (ISO 7653D)

6. Shaft

L35	DIN 5462 / ISO 14

7. Connection cover

S0	40° Sunfab standard

8. Connections

S	Sunfab standard

9. Additional

2	Optimized

10. Accessories

00	No accessories available

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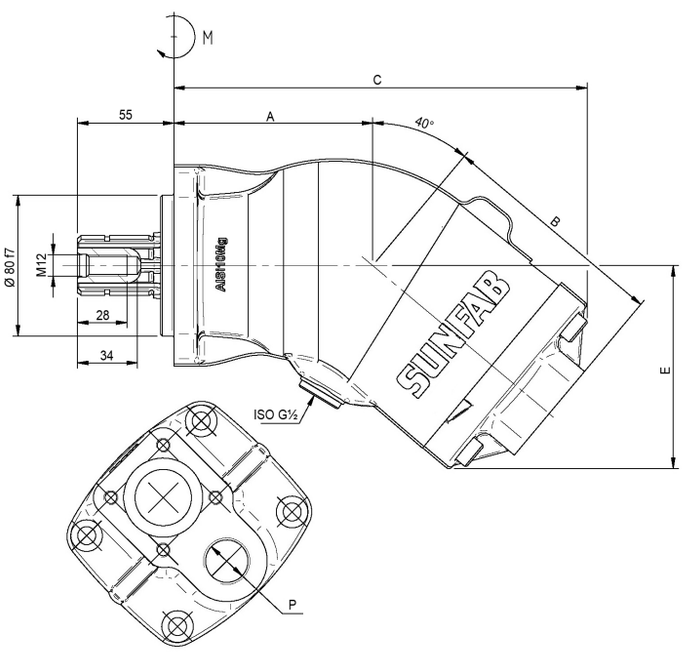
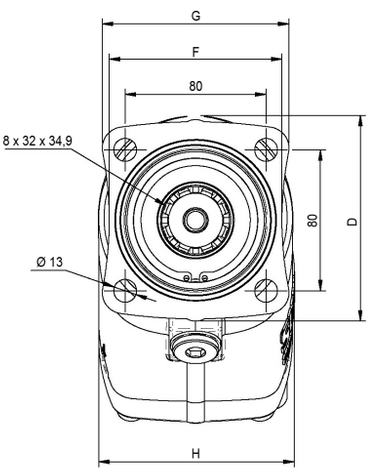
Pump SAP 084, 108 DIN Optimised			084	108
Theoretical oil flow *l*/min			l/min	
at pump speed	rpm	500	41.8	54
		1000	83.6	108
		1500	125.4	162
Displacement	cm^3/rev		83.6	108.0
Max pump speed				
continuous	rpm		1800	1800
limited			2300	2300
Max working pressure	bar		400	400
Weight	kg		13.9	13.9
Dimensions	mm	A	122	122
		B	147	147
		C	264	264
		D	127	127
		E	133	133
		F	98	98
		G	106	106
		H	118	118
	ISO G	P	1	1
Tare-weight torque (M)	Nm		18.0	18.0
Direction of rotation	Left (L) or Right (R)			





Spline shaft:
DIN 5462 / ISO 14

Mounting flange:
ISO 7653-D

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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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