



**SAP 012-108 DIN is a series of light weight casing piston pumps with a fixed displacement for demanding mobile hydraulics.**

SAP 012-108 DIN covers the displacement range 0.77-6.59 cu in/rev. at a maximum pressure of 5800psi. 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.

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

Line	
SA	Sunfab Aluminium
P	Pump

2. Displacement	
012	<b>017</b>
025	034
040	047
056	064
084	108

3. Direction of rotation	
<b>R</b>	<b>Right</b>
L	Left

4. Sealing	
<b>N</b>	<b>Nitrile</b>
V	HNBR *

\* Only available for 040-108

5. Mounting flange	
<b>DL4</b>	<b>DIN 4-h (ISO 7653D)</b>

6. Shaft	
<b>L35</b>	<b>DIN 5462 / ISO 14</b>
H35	DIN 5462 / ISO 14 Ø 8.15

7.	
<b>S0</b>	<b>40° Sunfab standard</b>

8. Connections	
<b>S</b>	<b>Sunfab standard</b>

9. Additional	
<b>0</b>	<b>!</b>

10. Accessories	
<b>00</b>	<b>No accessories available</b>

Pump SAP 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												
continuous	rpm		2300	2300	2300	2300	1900	1900	1900	1900	1600	1600
limited			3000	3000	3000	3000	2500	2500	2500	2500	2100	2100
Max working pressure	psi		5800	5800	5800	5800	5800	5800	5800	5800	5800	5800
Weight	lb		15.2	15.2	15.7	15.7	21.6	21.6	21.6	21.6	30.6	30.6
Tare-weight torque (M)	lb-ft		4.4	4.4	4.8	4.8	8.4	8.4	8.4	8.4	13.3	13.3
Direction of rotation	Left (L) or Right (R)											

# Dimensions SAP 012-034 DIN

Millimeter (inch)

