

Sauer HP compressors air-cooled

In the year 1955 Sauer delivered the first air-cooled light weight HP compressors 3231N, which can still be seen in the German Museum in Munich as first of its kind. Since then Sauer have delivered more than 1000 air-cooled HP compressors for navy applications which due to their special design, work to full satisfaction of the users.

Main features of Sauer air-cooled HP compressors are:

- Light weight
- Robust design
- Low and easy maintenance
- Maximum pressure 350 bar
- To be delivered in non-magnetic version upon request
- Suitable for breathing air supply
- Drive by AC-, DC- or diesel engine
- Available in semi- or non-magnetic design
- Suitable for ambient temperatures up to +60°C

Technical Data

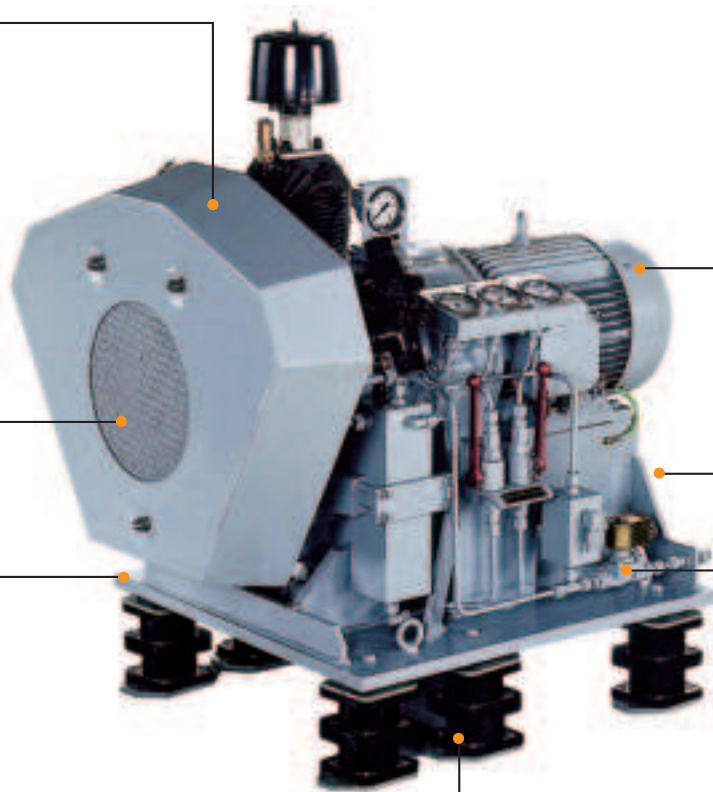
Air-cooled compressors										
Final pressure 40 bar										
Type	Stages	Cylinder	Speed rpm	Charging Capacity m ³ /h	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequenzy Hz
WP 22 L	2	2	1150	15,9	3,7	120	812	600	630	60
			1450	20,0	4,6					50
			1750	24,0	5,7					60
WP 45 L	2	2	1170	38,0	8,0	310	1210	745	820	60
			1450	48,0	10,0					50
			1750	58,0	12,0					60
WP 65 L	2	2	1170	52,0	10,2	320	1250	745	820	60
			1450	66,0	12,8					50
			1770	80,0	15,4					60
WP 81 L	3	3	1170	63,0	13,7	415	1345	945	900	60
			1470	79,0	15,8					50
			1770	96,0	18,9					60
Final pressure 250 bar										
Type	Stages	Cylinder	Speed rpm	Charging Capacity m ³ /h	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequenzy Hz
WP 3232	3	3	1170	11,0	5,3	291	920	710	970	60
			1470	14,2	6,8					50
WP 4331	4	4	1470	30,0	14,2	480	1350	720	930	50
			1770	36,0	17,2					60
WP 4341	4	4	1470	54,0	20,5	530	1350	860	860	50
			1770	65,0	24,1					60

Performance data with 5% tolerance, referred to 20° C and an air pressure of 1013 mbar. Charging Capacity according to international navy standards. Performance data on final pressure deviating from above pressures upon request. Maximum pressure 350 bar.

High efficient compressor valves for longest maintenance. Easy to maintain.

Suitable for ambient temperatures up to 60°C without reduction of performance.

All units can be delivered in semi- or non-magnetic versions upon request.



Drive by AC-, DC or diesel engine possible.

Sturdy and robust design. Comparable low weight due to air-cooled design.

Integrated automatic intermediate and final drainage as a standard.

Shock-proof according to all international navy standards.

■ WP 3232 in non-magnetic version for use in MCMV.