

Sauer breathing-air compressors

Sauers' quality and leading position in the market for Navy compressors are well known. With the introduction of the unique HP compressor block 'Tornado' this quality and performance is now also available for breathing air compressors. Sauers' Navy breathing air compressors can be delivered according to several shock and vibration standards from simple LROs rules to highest Navy standards like US Mil Std 901 or German BV0432 and 044.

The heart of each breathing air station is the very robust compressor block – a block which is designed to withstand highest demands as they occur for naval applications such as inclination, shock, vibration and last but not least high temperatures and continuous operation.

The vertical arrangement of the running gear of the 'Tornado' models WP 3215 and WP 4325 has been adopted from the water-cooled WP 5000 compressors which are used in submarines, frigates and aircraft carriers. It ensures lowest noise emission and structureborne noise.

The Sauer breathing air compressor for Navy has everything required for a complete installation: fully automatic electronic control, noise insulation down to 72 db(A), integrated filter, demistor and condensate collecting tank. Filtration can be delivered according to all international standards such as DIN EN 12021, BS 4275 and BS 4001 or US CGA Grade D+E and Navy standard FS Grade A+B.

High performance axial-flow fan integrated with coolers in a flow optimized housing for lowest recooling temperatures and best air quality.



Technical Data

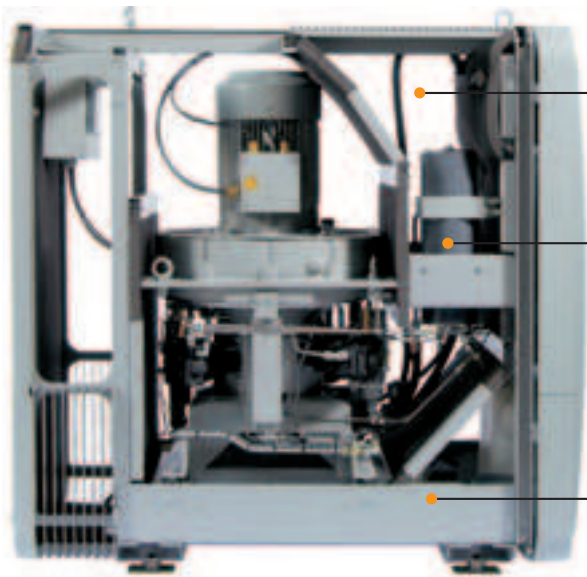
Dimensional datas and weight for *Comsilent Version*

Tornado										
Final pressure 420 bar										
Type	Stages	Cylinder	Speed rpm	Charging Capacity liter/min	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequenzy Hz
WP 3215 Tornado	3	3	1170	275	5,4	525	1580	775	1525	60
			1470	340	6,7					50
			1770	390	8,4					60
WP 4325 Tornado	4	4	1170	390	8,4	595	1580	775	1525	50
			1470	500	10,0					60
			1770	570	12,0					50
WP 4331	4	4	1470	625	14,0	650	1600	900	1500	50
			1770	600	17,0					60

Performance data with 5 % tolerance, referred to 29°C and an air pressure of 1013 mbar.
Capacity measured at charging rate up to a final pressure of 300 bar.

air-cooled up to 420 bar

Tornado

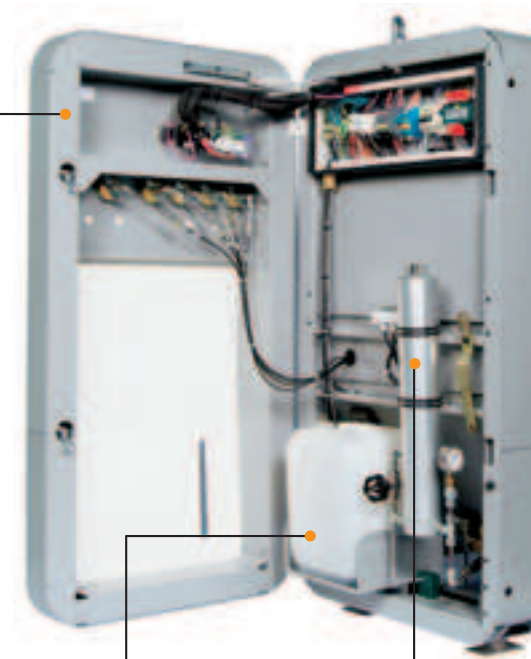


Front door: Easy access to control unit, condensate collecting tank and filter accessories.

Optimized cooling air flow: Compressed air treatment and filtration in cold air stream.

Integrated demistor vessel.

Side covers easy to remove for inspection and maintenance.



Integrated condensate demistor and -collecting tank (20 litres).

Breathing air filtration suitable for all international standards.



Fully automatic electrical control and supervision.

Complete Sauer breathing air compressor Tornado WP 4325 with filling panel and hoses for bulkhead mounting.

Sauer can deliver all required breathing air accessories. These can be delivered separately or already integrated in the breathing air station.

