

Sauer high-pressure compressors – water-cooled up to 400 bar

Technical data

Water-cooled compressors ■ radial/star type ■ WP 5000/5500

Type	Stages	Cylinder	Speed rpm	Charging capacity m ³ /h (FAD)	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequency Hz
WP 5500 @ 250 barg	4	4	1,170	56	17.2	930	970	810	1,325	60
			1,470	68	21.6					50
			1,770	82	26.0					60
WP 5000 @ 250 barg	4	4	1,170	115	34.4	1,650	1,215	1,095	1,570	50
			1,470	145	43.2					60
			1,770	175	52.0					50
WP 5000 @ 400 barg	4	4	1,170	120	43.0	1,650	1,215	1,095	1,700	50
			1,470	150	53.0					60
			1,770	180	62.0					50

Water-cooled compressors ■ vertical single piston ■ EK type

Type	Stages	Cylinder	Speed rpm	Charging capacity m ³ /h (FAD)	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequency Hz
EK 2 A 2 @ 150 barg	3	1	870	14.2	6.1	370	1,150	640	715	60
			970	16.2	7.1					50
EK 2 A 2 @ 200 barg	3	1	870	14	6.3	370	1,150	640	715	60
			970	16	7.3					50

Water-cooled compressors series ■ vertical/in-line type ■ WP 3230–4262

Type	Stages	Cylinder	Speed rpm	Charging capacity m ³ /h (FAD)	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequency Hz
WP 3230–500 @ 230 barg	3	2	970	25	8.0	650	1,400	750	1,180	50
			1,170	30	10.0					60
WP 4253/4254 @ 250 barg	4	2	750	80	29.0	1,700	1,700	770	1,280	50/60
WP 4261/4262 @ 250 barg	4	2	750	80	29.0	1,700	1,700	770	1,280	50/60
			1,200	130	48.0	1,800	1,750	770	1,280	50/60
WP 4261/4262 @ 350 barg	4	2	800	80	33.0	1,700	1,700	770	1,280	50/60
			1,200	130	56.0	1,800	1,750	770	1,280	50/60

Water-cooled & axial swash plate type compressors TGM (Girodin-Sauer)

Type	Stages	Cylinder	Speed rpm	Charging capacity m ³ /h (FAD)	Power required kW	Weight kg	Length mm	Width mm	Height mm	Frequency Hz
TGM 15/30 @ 250 barg	4	4	1,070	15	6.5	360	1,000	650	780	50/60
TGM 60/100 @ 250 barg	4	4	620	60	20.0	1,100	1,135	940	1,300	50/60
			850	80	28.0	1,100	1,135	940	1,300	50/60
TGM 100 @ 250 barg	4	4	1,000	150	45.0	2,000	1,800	940	1,500	50/60

Performance data with 5% tolerance, referred to 20°C and an air pressure of 1,013 mbar. Charging capacity according to international navy standards.