

Compressor

MacGregor Water-cooled piston compressor W55, W80, W110, W140



Structural features

- Two staged, vertical construction with one cylinder differential piston, exchangeable, dry cylinder liners

Valves

- 1st stage: Combined suction and pressure valve
- W55 - 2nd stage: 1 suction and pressure valve each
- W80, W110, W140 - 2nd stage: combined suction and pressure valves

Water cooling

- Intercooler and aftercooler

Splash lubrication W55

- Oil level inspection glass

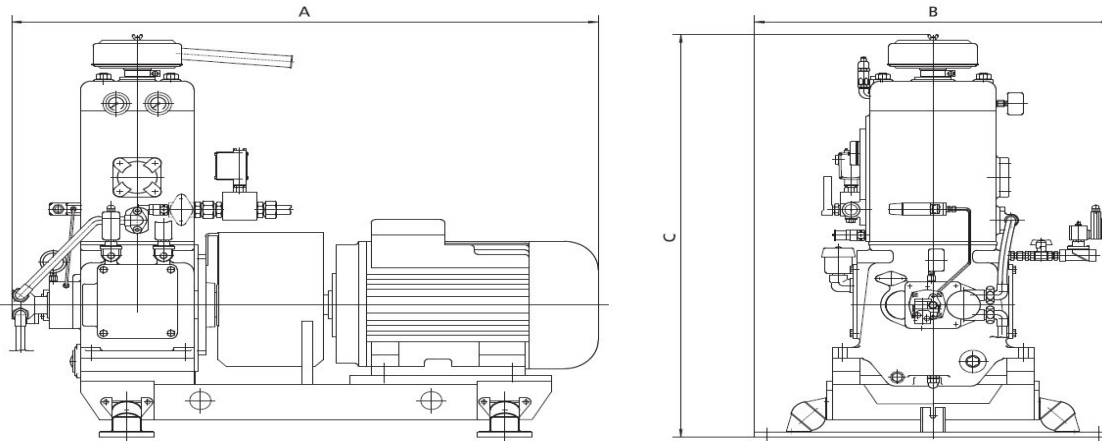
Force feed lubrication W80, W110, W140

- Gear pump directly driven by the crankshaft
- Oil pressure control by means of pressure gauge and pressure switch
- Oil level inspection glass
- Crankcase venting through vent filter on oil filler
- Lubrication of 1st stage by means of dosing pump with sight glass at the cylinders

Bearings

- W55: crankshaft: ball bearings
- W80, W110, W140: slide bearings
- Connecting rod: slide bearings
- Wrist pin: slide bearings

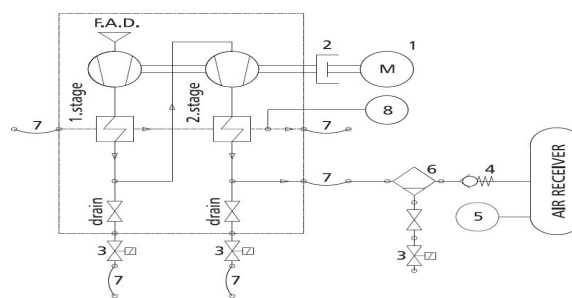
Technical data



Type	Cylinders	Stage	Speed r.p.m.	F.A.D m³/h	Power kW	Weight incl. e-motor approx. kg	Dimensions		
							A	B	C
W55	1	2	1150	42	10	400	945	600	950
			1450	53	13	400	945	600	950
			1750	63	16	400	945	600	950
W80	1	2	1150	63	14.5	550	1265	820	1055
			1450	80	18	550	1227	820	1055
			1750	93	22.5	550	1265	820	1055
W110	1	2	1150	83	17	700	1349	850	1130
			1450	106	23	700	1349	850	1130
			1750	130	29	750	1411	850	1130
W140	1	2	1150	115	24.5	750	1411	850	1130
			1450	145	32	850	1439	850	1170

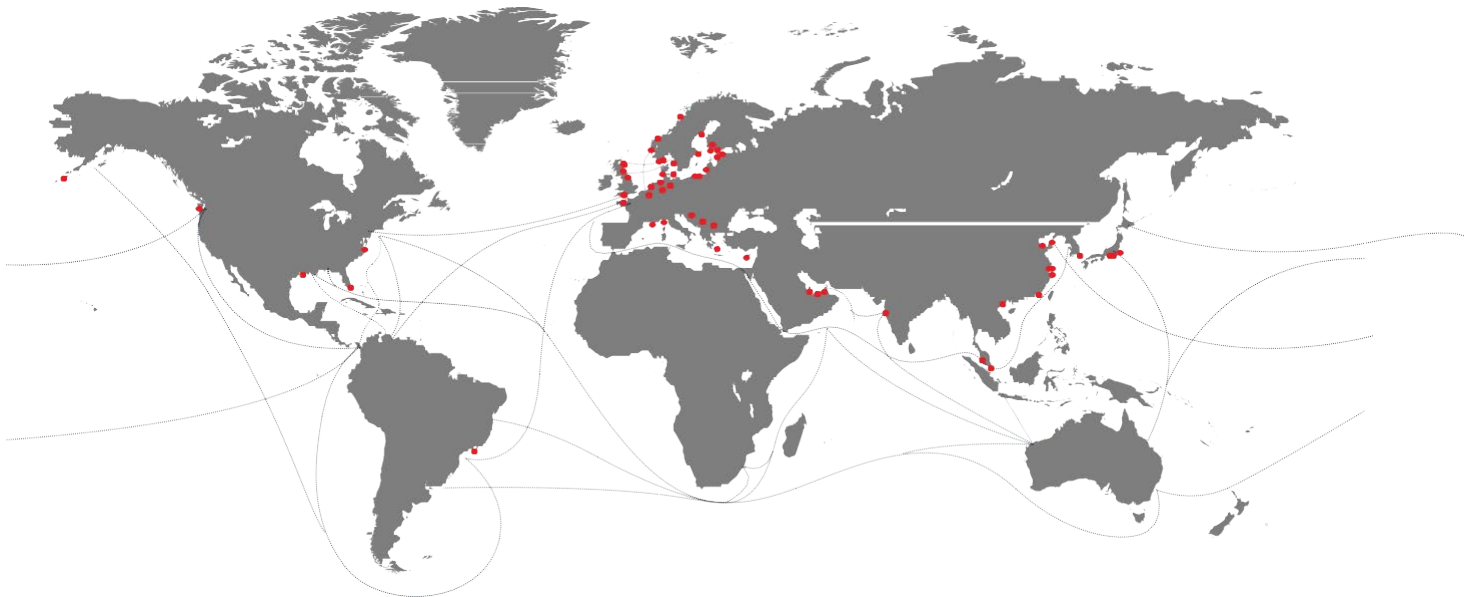
All data apply to a final pressure of 30 bar. The right for alteration of specification and data to incorporate improvements in design is reserved.

- Motor ①
- Flywheel and coupling ②
- Solenoid valve for draining ③
- Non-return valve ④
- Pressure switch ⑤
- Oil and water separator ⑥
- Flexible hoses ⑦
- Cooling water temperature control switch ⑧



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