Compressor

HATLAPA Air-cooled piston compressor L140, L160, L190
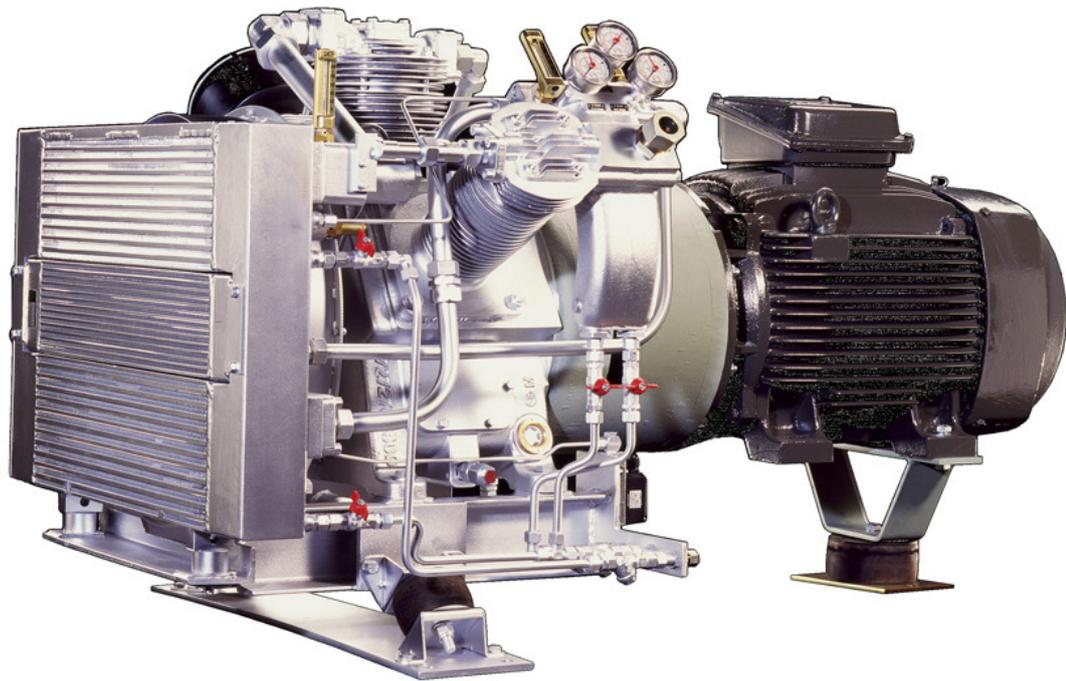
Structural features

- Three staged cylinders in 2 x 60° W-arrangement, with one-throw crankshaft, single acting trunk pistons
  1st stage: 1 cylinder
  2nd stage: 1 cylinder
  3rd stage: 1 cylinder

Valves

- Combined suction and pressure valves for all stages

Air cooling

- By axial fan directly driven by the crankshaft

Intercooler and aftercooler

- Block type

Force feed lubrication

- Gear pump driven by the cranckshaft by means of gear wheels
- Oil pressure control by means of pressure gauge and pressure switch
- Oil level inspection glass
- Crankcase venting from oil filler to air suction filter
- Oil filtration by external, exchangeable oil filter insert

Bearings

- Crankshaft: slide bearings
- Connecting rod: slide bearings
- Wrist pin : needle bearings

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Technical data
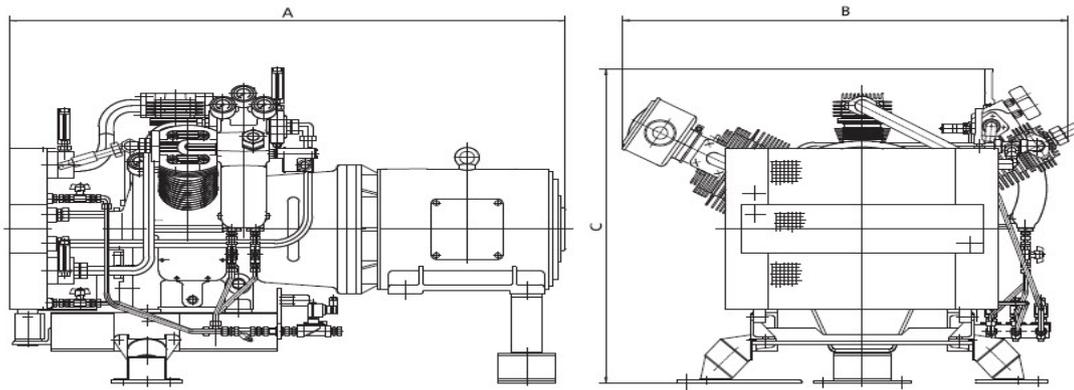
Type	Cylinders	Stage	Speed r.p.m.	F.A.D m³/h	Power kW	Weight incl. e-motor approx. kg	Dimensions		
							A	B	C
L140	3	3	1150	100	19.5	700	1540	1150	950
			1450	127	26.8	700	1540	1150	950
			1750	154	33.5	700	1540	1150	950
L160	3	3	1150	118	23	750	1675	1150	1050
			1450	151	30	750	1675	1150	1050
			1750	185	40	850	1675	1150	1050
L190	3	3	1150	135	25	750	1675	1150	1050
			1450	175	34.5	850	1675	1150	1050
			1750	215	46.5	900	1675	1150	1050

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
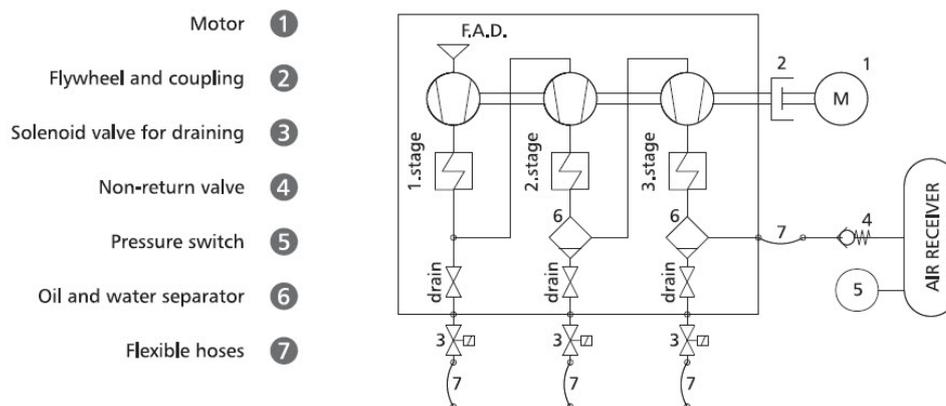
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