

LW 300 E



Robust, low RPM units with low maintenance and running costs for the user. Pneumatic/electric compressor control with final pressure cut off and automatic condensation drain ensure easy and trouble free operation.

The compressors are ideal for continuous operation and a favourite choice for overseas diving centers with very long service intervals (e.g. replacement of coaxial suction/pressure valves (3) every 6000 hours!).

Specifications

- >> Ready to connect compressor, fully wired with pneumatic/electric compressor control with star/delta start cycle
- >> Operating panel with start/stop and condensation test controls, pressure gauge and hours counter
- >> Automatic condensation drain, pressure free start/stop, leak check and safety valve check test
- >> Automatic shut down when final pressure is reached
- >> Safety cut off if the cover is opened, Emergency off switch
- >> Sturdy steel frame, powder coated in RAL 6026
- >> All pistons with piston rings
- >> 3 coaxial suction/pressure valves
- >> Low pressure oil pump and filter
 - >> Oil/water separators after each stage, safety valve for each stage
- >> Breathing air purification in accordance with EN 12021
- >> Pressure maintaining and non-return valve
- >> 4 Filling hoses and filling valves and/or HP outlet



Options

- >> 200/300 bar parallel filling pressures
- >> Motor protection switches
- >> Special voltages/frequencies:
 - 440 V 60 Hz / 230V 50Hz / 230V 60Hz
- >> ECC Controls
- >> Oil pressure monitoring with auto shut down
- >> Auto start
- >> Oil pressure gauge
- >> Cylinder temperature with auto shut down
- >> Oil temperature with auto shut down
- >> Inter stage pressure gauges
- >> Puracon Filter monitoring

Technical Data

LW 300 E	
Type:	Air cooled, reciprocating piston compressor
Capacity [litre/min] / [Nm ³ /h] / [cfm]:	300 / 18.0 / 10.6
Max. Pressure [bar]:	350 (set at the final stage safety valve)
RPM:	800
No of cylinders / No of stages:	3 / 3
Bore 1st stage [mm]:	95
Bore 2nd stage [mm]:	42
Bore 3rd stage [mm]:	18
Stroke [mm]:	74
Prime mover type:	3 Phase E-motor 400V / 50Hz
Drive power [kW] / [HP]:	7.5 / 10.0
Cooling air requirement [Nm ³ /h]:	2250
Lubrication type:	Oil pump
Oil capacity [litre]:	2.2
Oil pressure [bar]:	1.8 (+/- 0.3)
Air outlet temperature [°C]:	8 - 10°C above ambient
Filter capacity [m ³ at +20°C] ¹⁾ :	900
Dimensions L x W x H [cm]:	115 x 60 x 98
Weight [kg]:	280
Noise level [dB]:	82 (measured at 1 m distance)

¹⁾ In accordance with EN 12021

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