

LW 450 ES



Our time tested 450 Block in a vertical sound insulated housing [Sound level only 64 dB(A) at 1m]. Ideal for applications in work areas or mixed industrial/ residential areas (Hotels etc.). A secondary ventilator ensures excellent cooling. The robust, slow running compressor with low maintenance and running costs is fully wired with a pneumatic/electrical compressor control with final pressure cut off and automatic condensation drain ensuring easy and trouble free operation. The compressor can stand in a corner for space economy (min. 2 sides free).

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 modes
- >> Automatic shut down when final pressure is reached
- >> Emergency-Off switch, safety cut off if the front or rear panels are opened
- >> Sound insulated housing with sturdy steel frame, powder coated in RAL 6026
- >> All pistons with piston rings
- >> 3 coaxial suction/pressure valves
- >> Low pressure oil pump and filter
- >> Secondary fan for extra cooling
- >> 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
- >> HP outlet



Options

- >> 4 filling hoses mounted on the front door panel
- >> Motor protection switches
- >> Special voltages/frequencies:
440 V 60 Hz / 230V 50Hz / 230V 60Hz
- >> Oil pressure monitoring with auto shut down
- >> Cylinder temperature with auto shut down
- >> Oil temperature with auto shut down
- >> Inter stage pressure gauges
- >> Oil pressure gauge
- >> Auto start
- >> ECC Controls
- >> Puracon Filter monitoring

Technical Data

LW 450 ES	
Type:	Air cooled, reciprocating piston compressor
Capacity [litre/min] / [Nm ³ /h] / [cfm]:	450 / 27.0 / 15.9
Max. Pressure [bar]:	350 (set at the final stage safety valve)
RPM:	1100
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]:	11.0 / 15.0
Cooling air requirement [Nm ³ /h]:	3300
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⁾ :	1200
Dimensions L x W x H [cm]:	81 x 110 x 168
Weight [kg]:	390
Noise level [dB]:	64 (measured at 1 m distance)

¹⁾ In accordance with EN 12021

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