

# LW 450 E



The LW 450 E is a very slow running compressor with very low maintenance intervals and maintenance costs. It can be used continuously and comes fully wired with star / delta connection. High reliability make this compressor the favorite of many users.



## Lenhardt & Wagner GmbH

An der Tuchbleiche 39  
68623 Hüttenfeld/Germany

Phone: +49 (0)62 56 - 8 58 80 -0

Fax: +49 (0)62 56 - 8 58 80 -14

eMail: [service@lw-compressors.com](mailto:service@lw-compressors.com)

Internet: [www.lw-compressors.com](http://www.lw-compressors.com)

## Specifications

- » Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- » Painted steel housing (RAL 6026)
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well as emergency stop switch
- » 4x Filling hose c/w filling valve
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » 3 concentric suction/pressure valves
- » Filling pressure of your choice (200 or 300 bar)
- » Connections to your choice  
(DIN 200 bar or 300 bar, CGA 200 bar or 300 bar and INT)
- » Breathing air purification in accordance to EN 12021

## Options

- » Auto start system
- » 200 and 300 bar parallel filling pressures
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » Puracon filter monitoring (Auto shut down also available)
- » ECC control in remote control box
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

## Technical Data

LW 450 E	
Type:	Air cooled piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	450 / 27.0 / 15.9
Max. Pressure [bar]:	350
RPM [1/min]:	1100
No of cylinders / No of stages:	3 / 3
Prime mover type:	E-Motor / 400V / 3 Phase / 50 Hz
Drive power [kW] / [HP]:	11.0 / 15.0
Cooling air requirement [Nm <sup>3</sup> /h]:	3300
Lubrication type:	Oil pump + Splash oil
Oil capacity [litre]:	2.2
Oil pressure [bar]:	2.2 (+/- 0.5)
Operating temperature [°C]:	+5°C to +45°C
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	900 (at +20°C / approx. 33 h)
Dimensions L x W x H [cm]:	118 x 64 x 98
Weight [kg]:	280
Noise level [dB]:	83 (measured at 1 m)

<sup>1)</sup> In accordance with EN 12021

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