

**NEW!**

# LW 450 E III



The new 450 E III is a slow-rotating compressor with low maintenance intervals and service costs.

It is suitable for continuous running and for being used in three-shift operations at breathing air and high-pressure applications.

A new, industry-proven lubrication system and reinforced components form the core of the advanced LW 450 compressor block and improves the lifetime of the compressor unit. The innovative condensate system along with the new Condensate Stop Valve further optimizes the efficiency of the compressor and includes a 10 litre collection tank as well as a highly effective pre-separator for prolonging filter lifetime.



## LW AMERICAS

3005 NW 25th Avenue

Pompano Beach, FL 33069

Phone: +1 (954) 462-5571

eMail: [info@lwamericas.com](mailto:info@lwamericas.com)

Internet: [www.lwamericas.com](http://www.lwamericas.com)

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# LW 450 E III



## Specifications

- » Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- » Painted steel housing (RAL 6026)
- » **NEW** - Heavy duty compressor block components
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel c/w start/stop and condensate test buttons, as well as emergency stop switch
- » Phase monitoring c/w shut down at wrong direction of rotation
- » 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
- » **NEW** - Improved lubrication system c/w oil filter
- » Low pressure oil pump and filter
- » Oil- / Water separators in stainless steel
- » Safety valves after each stage
- » **NEW** - 0.8 ltr. Prefilter
- » **NEW** - Condensate-Stop-Valve
- » **NEW** - 10 Litre Condensate tank
- » 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 an 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)
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

## Technical Data

LW 450 E III	
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] with 50 Hz / 60 Hz:	11.0 / 13.2
Cooling air req. [m <sup>3</sup> /h] with 50 Hz / 60 Hz:	3300 / 3960
Lubrication type:	Oil pump
Oil capacity [litre]:	2.7
Oil pressure [bar]:	1.5 (+/- 0.2)
Operating temperature [°C]:	+5°C to +45°C
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	1050 (at +20°C / approx. 38 h)
Dimensions W x D x H [mm]:	1540 x 730 x 1020
Weight [kg]:	365
Noise level (measured at 1 m) [dB(A)]:	83

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

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