

# LW 450 E III Compact



Discover the new LW 450 E III Compact, robust, dynamic, powerful.

The LW 450 E III Compact is ideal for dive centers, ships and boats with limited space. The Compressor impresses with very low maintenance intervals and service costs.

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 optional available innovative condensate system with the new Condensate Stop Valve optimizes the efficiency of the compressor and includes a 10 litre collection tank as well as a highly effective 0.8 litre pre-separator for prolonging filter lifetime.



**LW 450 E III Compact** with auto start system and automatic condensation drain

## **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)

# LW 450 E III Compact



## Specifications

- » Electro motor
- » Painted steel frame and fan belt guard (RAL 6026)
- » **NEW** - Heavy duty compressor block components
- » Hour counter
- » Start/ Stop and emergency stop switch
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Manual condensate drain
- » 1 x Filling hose c/w filling valve
- » Motor protection 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
- » 3 x concentric suction/pressure valves
- » Filling pressure to 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

## Optionen

- » Automatic stop at final pressure
- » Automatic Condensate Drain Basic
- » Automatic Condensate Drain PRO (incl. Condensate-Stop-Valve, 0.8 l Prefilter and 10 Litre Condensate Tank)
- » Auto start system
- » Up to 4 additional filling hoses available
- » 200 and 300 bar parallel filling pressures
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Oil pressure monitoring c/w auto shut down
- » Oil temperature display with auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » 2.3 l Filter housing
- » Puracon filter monitoring
- » Remote Tab Control - RTC
- » Additional high pressure outlet
- » Power cable and plug
- » Special voltages / frequencies on request

## Technical Data

LW 450 E III Compact	
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 + Splash oil
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> :	900 (at +20°C / approx. 33.3 h)
Dimensions W x D x H [mm]:	1335 x 704 x 910
Weight [kg]:	325
Noise level (measured at 1 m) [dB(A)]:	83

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

### 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)