

**NEW!**

# LW 450 ES III



Discover the new LW 450 ES III model. Sturdy, dynamic and powerful.

This sound isolated compressor now feature a highly effective pre-separator, new innovative condensate stop valve and improved lubrication system. Better economy by having less pressure loss during condensation cycles and by using heavy duty components.

Due to excellent noise emission, 3rd generation of our LW 450 range is ideal for being used in workshops, sales - and residential areas.



Figure with option 4-fold filling panel

**NEW** - Heavy duty compressor block components

**NEW** - Improved lubrication system c/w oil filter

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**NEW!**

# LW 450 ES III



## Specifications

- » Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- » Painted steel housing (RAL 6026)
- » Sound insulated housing
- » **NEW** - Heavy duty compressor block components
- » Automatic condensate drain
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » Motor protection switch
- » Safety switch
- » Pressure maintaining and non return valve
- » All pistons c/w steel piston rings
- » 3 x concentric suction/pressure valves
- » **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
- » 0.8 ltr. Prefilter (Enlarged the lifetime of the filter by approx. 5 h)
- » Condensate-Stop-Valve
- » 10 Litre Condensate tank with venting silencer
- » Maintenance door on both sides
- » High pressure outlet with 1500 mm hose
- » Filling pressure of your choice (200 or 300 bar)
- » Breathing air purification an accordance to EN 12021

## Options

- » Auto start system
- » Up to 6 additional hoses available
- » **NEU** - 4- fold filling panel installed at front door
- » 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
- » 2.3 ltr. Filter housing (Filter capacity: 1440 m<sup>3</sup> at +20°C)
- » Puracon filter monitoring (Auto shut down also available)
- » ECC control
- » Phase monitoring c/w shut down at wrong direction of rotation
- » Power cable and plug
- » Special voltages / frequencies on request

## Technical Data

| LW 450 ES 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]:                                | 975 x 1260 x 1800                |
| Weight [kg]:                                              | 452                              |
| Noise level (measured at 1 m) [dB]:                       | 64                               |

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

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