

# LW 230 E



The LW 230 E is ideal for dive shops, diving clubs and diving schools, as well as medium-sized breathing air filling station.

The three-stage compressor operates at low speed and is also suitable for continuous operation. It offers long service intervals, low maintenance costs and, through the oversized industrial components maximum reliability.

The compressor is delivered full wired, ready for connection with automatic shut-off, automatic condensate drain and star/delta start cycle.



## **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)
- » Powder coated steel housing (RAL 6026)
- » Automatic condensate drain with pressure free start/stop
- » Automatic stop at final pressure
- » Hour counter
- » Operating panel with start/stop and condensate test button, as well emergency stop switch
- » Phase monitoring c/w shut down at wrong direction of rotation
- » 4x Filling hose c/w filling valve
- » 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
- » 3x 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

## Options

- » Auto start system
- » 200 and 300 bar parallel filling pressures
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Motor protection switch
- » Oil pressure monitoring c/w auto shut down
- » Cylinder head temperature monitoring with auto shut down
- » Oil temperature display with auto shut down
- » 0.8 ltr. Prefilter (Enlarged the lifetime of the filter by approx. 5 hours)
- » 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 230 E  |                                  |
|---|----------------------------------|
| Type:   | Air cooled piston compressor     |
| Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:      | 230 / 13.8 / 8.1                 |
| Max. Pressure [bar]:                                      | 350                              |
| RPM [1/min]:  | 1080                             |
| 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:                      | 5.5 / 6.6                        |
| Cooling air req. [m <sup>3</sup> /h] with 50 Hz / 60 Hz:  | 1650 / 1980                      |
| Lubrication type:   | Oil pump + Splash oil            |
| Oil capacity [litre]:                                     | 1.8                              |
| Oil pressure [bar]:                                       | 0.6 - 4.0                        |
| 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. 72 h)    |
| Dimensions W x D x H [mm]:                                | 1060 x 600 x 1000                |
| Weight [kg]:  | 240                              |
| Noise level (measured at 1 m) [dB(A)]:                    | 82                               |

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

### 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)