

# LW 280 E



The LW 280 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. It comes fully wired with star/delta start cycle.



## LW 280 E

incl. Inter stage pressure gauges and Oil temperature monitoring

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## Specifications

- » Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)
- » Painted 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
- » 4x Filling hose c/w filling valve
- » Motor protection 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
- » 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
- » 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)
- » 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 280 E	
Type:	Air cooled piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	280 / 16.8 / 9.9
Max. Pressure [bar]:	350
RPM [1/min]:	1300
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:	7.5 / 9.0
Cooling air req. [m <sup>3</sup> /h] with 50 Hz / 60 Hz:	2250 / 2700
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. 54 h)
Dimensions W x D x H [mm]:	1060 x 600 x 1000
Weight [kg]:	240
Noise level (measured at 1 m) [dB]:	83

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

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