

# LW 570 ES



The 570 ES is a 4 stage piston compressor for large, professional applications. The unit is housed in a compact sound insulated housing with unprecedented noise emission levels. The 15 kW drive, delivers an impressive 570 litres/min (20.1 cfm) and the 4 stage construction allows working pressures of up to 420 bar if required. The slow running compressor guarantees long and reliable service. The unit has been designed for the arduous demands of large volume filling stations in mixed residential/industrial areas, or where people are working and need high performance at low noise levels.

## Specifications

- >> Ready to connect compressor, fully wired with pneumatic/electric compressor control with star/delta start cycle
- >> Operating panel with start/stop and condensation test controls, pressure gauge and hours counter
- >> Automatic condensation drain, pressure free start/stop, leak check and safety valve check test modes
- >> Automatic shut down when the final pressure is reached
- >> Switches cut the compressor off if a door is opened, Emergency-Off switch
- >> Sturdy steel frame and sound isolated housing, powder coated in RAL 6026
- >> All pistons with piston rings
- >> Low pressure oil pump
- >> Two inspection panels for service access
- >> 4 coaxial suction/pressure valves
- >> Oil/water separators after each stage, safety valve for each stage
- >> Breathing air purification In accordance with EN 12021
- >> Pressure maintaining and non-return valve
- >> HP outlet

## Options

- >> 4 filling hoses mounted on the front door panel
- >> Motor protection switches
- >> Special voltages/frequencies:  
440 V 60 Hz / 230V 50Hz / 230V 60Hz
- >> Oil pressure monitoring with auto shut down
- >> Auto start
- >> Cylinder temperature with auto shut down
- >> Oil temperature with auto shut down
- >> ECC Controls
- >> Oil pressure gauge
- >> Puracon Filter monitoring
- >> Inter stage pressure gauges
- >> 420 bar Version



# Technical Data

LW 570 ES	
Type:	Air cooled, reciprocating piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	570 / 34.0 / 20.1
Max. Pressure [bar]:	420 (set at the final stage safety valve)
RPM:	1100
No of cylinders / No of stages:	4 / 4
Bore 1st stage [mm]:	105
Bore 2nd stage [mm]:	50
Bore 3rd stage [mm]:	25
Bore 4th stage (mm)	14
Stroke [mm]:	84
Prime mover type:	3 Phase E-motor 400V / 50Hz
Drive power [kW] / [HP]:	15.0 / 20.0
Cooling air requirement [Nm <sup>3</sup> /h]:	4500
Lubrication type:	Oil pump
Oil capacity [litre]:	2.5
Oil pressure [bar]:	1.8 (+/- 0.3)
Air outlet temperature [°C]:	8 - 10°C above ambient
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	1200
Dimensions L x W x H [cm]:	81 x 110 x 168
Weight [kg]:	505
Noise level [dB]:	64 (measured at 1 m distance)

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

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