LW 700 ES II

L&W COMPRESSORS

The new generation of breathing air compressor LW 700 ES II is characterized by its sturdy and powerful design. The improved sound insulation is ideal for being used in commercial and sales areas, as well as in mixed residential and industrial buildings.

A novel drainage system features a 10 litre condensate collection tank, as well as a highly efficient pre-separator unit which improves lifetime of the filter cartridge considerably. Innovative condensate valves also limit the pressure drops during condensation cycles to ensure enhanced profitability.

The industry-proven, new lubrication system, as well as reinforced compressor components are the main points of the optimized compressor block which allow to use the LW 700 ES II for continuous running and for being used in three-shift operations at breathing air and high-pressure applications

NEW - High effective 0.8 l Prefilter

NEW - Maintenance door on both sides

NEW - Condensate-Stop-Valve

NEW - 10 l Condensate tank with venting silencer

NEW - Heavy duty compressor block components

NEW - Improved lubrication system c/w oil filter

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Specifications

» Electro motor (E-Motor / 400V / 3 Phase / 50 Hz)

» Powder coated 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

» Phase monitoring c/w shut down at wrong direction of rotation

» Motor protection switch

» Safety switch

» Maintenance doors on both sides

» 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

» **NEW** - 0.8 l Prefilter (Enlarged the lifetime of the filter by approx. 5 h)

» **NEW** - Condensate-Stop-Valve

» **NEW** - 10 l Condensate tank with venting silencer

» **NEW** - Maintenance door on both sides

» **NEW** - High effective new Cooling System

» 4 concentric suction/pressure valves

» 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 filling hoses available

» **NEW** - 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

» Puracon filter monitoring (Auto shut down also available)

» Remote Tab Control - RTC

» Block heating device

» 420 bar Version

» Air Cooler connection kit

» Power cable and plug

» Special voltages / frequencies on request

Technical Data

LW 700 ES II	
Type:	Air cooled piston compressor
Capacity [litre/min] / [Nm³/h] / [cfm]:	700 / 42 / 24.7
Max. Pressure [bar]:	350 / 420
RPM [1/min]:	1390
No of cylinders / No of stages:	4 / 4
Prime mover type:	E-Motor / 400V / 3 Phase / 50 Hz
Drive power [kW] with 50 Hz / 60 Hz:	18.5 / 22.2
Cooling air req. [m³/h] with 50 Hz / 60 Hz:	5500 / 6660
Lubrication type:	Ölpumpe
Oil capacity [litre]:	2.9
Oil pressure [bar]:	2.0 (+/- 0.1)
Operating temperature [°C]:	+5°C to +45°C
Filter capacity [m³ at +20°C] [1]:	1440 (at +20°C / approx. 34.3 h)
Dimensions W x D x H [mm]:	975 x 1480 x 1800
Weight [kg]:	605
Noise level (measured at 1 m) [dB(A)]:	75 (+/- 2)

[1] In accordance with EN 12021