

# LW 570 D



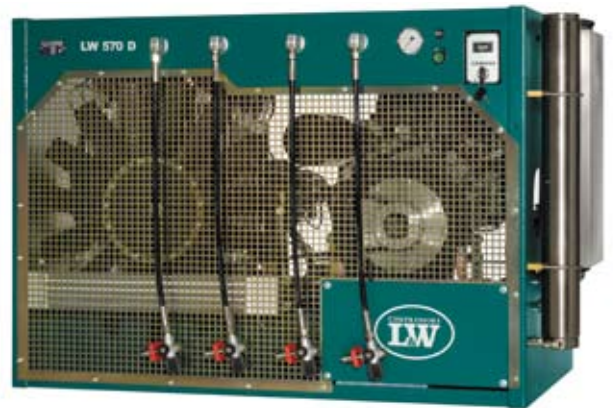
The 570 series compressors are 4 stage piston compressors for large, professional applications. The diesel driven unit is no exception, but can be operated completely independent of power supply, or where diesel applications are preferred for safety (petro-chemical plants, ground support equipment for aircraft servicing etc.). The heart of the unit is the LW 570 block, driven by a water cooled Yanmar 3 cylinder diesel engine. The engine control monitors the condition of the drive and provides vital information for the operator.

## Specifications

- >> Ready to start with 12V compressor controls and an electric start Yanmar 3TNE68 3 cylinder, water cooled diesel engine
- >> Operating panel key start/stop, condensation button (serves as an off loader for starting/stopping, engine oil pressure monitoring, water temperature monitoring, glow plug protection, starter protection, pressure gauge and hours counter
- >> Stainless steel diesel tank, 15.7 litres capacity, (approx. 4.5 hours running at full load)
- >> Automatic condensation drain every 15 minutes for 4 seconds
- >> Automatic shut down when the final pressure is reached
- >> Safety cut off if the top cover is opened
- >> Sturdy steel frame, powder coated in RAL 6026, tie down/sling slots integrated in side panels
- >> All pistons with piston rings
- >> Low pressure oil pump
- >> 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
- >> 4 filling hoses with filling valves and connections, and/or HP outlet

## Options

- >> 200/300 bar parallel filling pressures
- >> Inter stage pressure gauges
- >> Oil pressure gauge
- >> 420 bar Version



# Technical Data

LW 570 D	
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:	Water cooled 3 cylinder diesel, electric start
Drive power [kW] / [HP]:	12.9 / 17.5
Cooling air requirement [Nm <sup>3</sup> /h]:	3900
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]:	145 x 77 x 100
Weight [kg]:	520
Noise level [dB]:	88 (measured at 1 m distance)

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

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