

LW 100

*portability,
reliability,
the force
to fill*



LW 100 E



LW 100 B



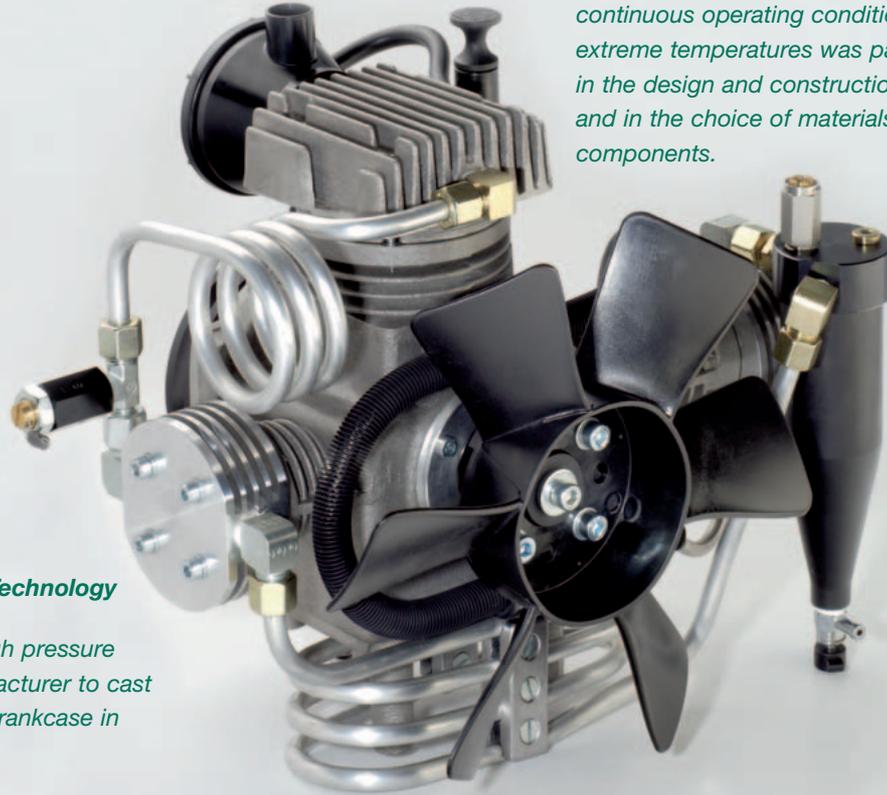
LW 100 E1

The **LW 100 series** of compressors combines reliability, capacity and mobility in 3 models for different applications. Filling logistics for fire & safety breathing air sets, air for diving cylinders when and where you want to dive, supporting emergency escape equipment on ocean going vessels, just some of the applications served in these compact high quality units "Made in Germany".



Lenhardt & Wagner

The heart of the LW 100 compressors is the block. Reliability, even under continuous operating conditions and extreme temperatures was paramount in the design and construction and in the choice of materials and components.



L&W Pioneering Technology

L&W is the only high pressure compressor manufacturer to cast the cylinders and crankcase in one piece.

Advantages:

- High degree of precision as all the cylinder and crankshaft bores are machined in one process
- No possibility of leaks between cylinders and crankcase, less gaskets
- Efficient heat dissipation and reduced deformation for less wear
- Replaceable cylinder sleeves

1 Concept, choice of 3 Models

The LW 100 is a 3 stage, 3 cylinder air cooled, oil lubricated high pressure compressor available in 3 versions:

Model	Drive Motor
LW 100 E	Electric motor 400V 3 Phase 50/60 Hz. Cable & Plug (16A CEE) Start/Stop switch. Recommended Fuse 16A
LW 100 E1	Electric motor 230V AC (1 Phase) 50/60 Hz. Cable & Plug (CE), Start/Stop switch. Recommended Fuse 16A
LW 100 B	Vanguard 118400 4-stroke gasoline drive with hand pull start, low oil cut off.

Technical Data

Model	Capacity			Drive		Max. Pressure		Filter life @ 20°C		Dimensions L x W x H			Weight
	Liter/min	cfm	Nm ³ /h	kW	HP	bar	RPM	m ³	h	cm			Kg
LW 100 E	100	3.5	6	2.2	3	330	2300	108	18	67	40	40	43
LW 100 E1	100	3.5	6	2.2	3	330	2300	108	18	65	39	40	46
LW 100 B	100	3.5	6	4.5	6	330	2300	108	18	70	35	40	43

LW 100 series: Features and benefits



Hardened cylinder sleeves

The Aluminium casting is equipped with 3 steel cylinder sleeves, hardened for long life and consistent high performance



All pistons with metal piston rings

The pistons are all equipped with metal piston rings for high sealing performance and durability even when working under extreme conditions and high operating temperatures.

Steel piston rings continue to function where synthetic rings fail



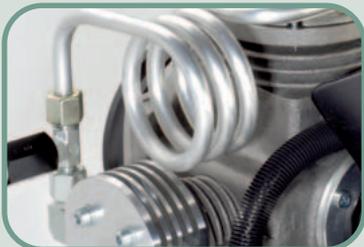
Stainless steel frame

The stainless steel frame gives excellent stability and protection to the complete compressor. The frame design allows simple changes between drive motors. A specially designed screw makes tensioning the drive belt quick and simple



Precision machined suction/pressure valves

The combined suction/pressure valves with stainless steel valve plates have been specially designed and tried and tested for reliability and performance over a long life expectancy



Efficient cooling for extended filter life

The inter-stage and final coolers are designed for optimum cooling and manufactured from non-corroding material. The inlet temperature to the filter is only 6°C higher than the ambient temperature (at 20°C), which considerably extends the life of the filter cartridge and reduces running costs.

The excellent cooling increases the filter life by min. 46% compared to similar models



Integrated carrying handles

Ergonomically designed carrying handles allow easy transport and loading into vehicles or onto vessels. The carrying handles also protect the upper components of the compressor.



Integrated filling hose

High quality filling hose with stainless steel ends, filling valve and pressure gauge. The filling connection is DIN/Yoke for 200/232 bar versions and DIN for 300 bar versions. The compressors can also be equipped with a dual pressure (200/300 bar) module if required



A reliable source of breathing air during critical situations is vital to the success of your mission, you can count on L&W compressors to support you.



Air logistics at remote diving sites or simply the convenience of diving when and where you want to, L&W portable compressors make it possible.



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