

# LW 450 D Basic



Initially developed for the open dive boats in the Indian Ocean. Large capacity, slow running, stationary compressor which can be used independent of power supply with diesel drive. The compressor has a stainless steel frame and no electrics and is ideal for extreme applications such as open boats or harsh marine environments.

## Specifications

- » Hatz 10kW diesel engine c/w hand start
- » Original Hatz diesel tank
- » Wet painted steel housing (RAL 7004)
- » Manuel condensate drain
- » Automatic idle speed selector when end pressure is reached (compressor switches to full speed)
- » 4x Filling hose and filling valve
- » Pressure maintaining and non-return valve
- » All pistons c/w steel piston rings
- » Low pressure oil pump
- » Oil- / water separators after each stage
- » 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

- » 200 and 300 bar parallel filling pressures
- » Oil pressure gauge
- » Intermediate pressure gauges
- » Hour counter
- » Oil pressure monitoring c/w auto shut down
- » 0.8 ltr. Prefilter (Enlarged the lifetime of the filter by approx. 5 hours)
- » Automatic condensate drain
- » Additional high pressure outlet



## Technical Data

LW 450 D Basic	
Type:	Air cooled piston compressor
Capacity [litre/min] / [Nm <sup>3</sup> /h] / [cfm]:	450 / 27.0 / 15.9
Max. Pressure [bar]:	350
RPM [1/min]:	1100
No of cylinders / No of stages:	3 / 3
Prime mover type:	Diesel engine, hand start
Drive power [kW]:	10.0
Cooling air requirement [Nm <sup>3</sup> /h]:	3300
Lubrication type:	Oil pump + Splash oil
Oil capacity [litre]:	2.2
Oil pressure [bar]:	2.2 (+/- 0.5)
Operating temperature [°C]:	+5°C to +45°C
Filter capacity [m <sup>3</sup> at +20°C] <sup>1)</sup> :	750 (at +20°C / approx. 28 h)
Dimensions W x D x H [mm]:	1270 x 740 x 1000
Weight [kg]:	400
Noise level (measured at 1 m) [dB(A)]:	95

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

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