

DHP 800CE Powerpack



Diesel power pack

The DHP 800 CE is a diesel driven hydraulic power pack intended to drive an iCON zero resonance vibratory hammer.

The 800 uses a Caterpillar C-18 engine with a power rating of 597 kW (800 hp). The engine is fitted with Parker high pressure industrial pumps, type PV+, with a capacity of 950 L at 1800 rpm.

The enclosure is made from galvanised steel and offer optimum protection in tropical and marine environments. Several doors provide maintenance access, and for large maintenance work or replacement the complete enclosure can easily be removed. The two or four certified lifting eyes provide easy transport.

The hydraulic pumps are electronic volume controlled to be able to vary the flow from 0-100% by pushbuttons. Properly sized manifolds guarantee a low return pressure, maximizing the efficiency of the unit. Combining the hydraulic oil cooler into the engine cooler further improves the fuel efficiency of the powerpack.

The newly developed IP65 electronic control system with pendant control which completes the power pack. It provides a menu for different applications behind operator passwords. Our smart solution for engine speed control will limit noise and improve fuel efficiency even further !

The powerpack is easily adaptable to drive other functions, like winches, hydraulic hammers or pump drive.

These power packs are of course built according to the CE regulations (including the noise requirement), quality management standard ISO9001 and good workmanship.

SPECIFICATIONS



DIESEL DRIVE

Make and model	Caterpillar C18 ACERT
Emissions	Tier2 Stage IIA
Type	water cooled, direct injection
Aspiration	turbo charged and inter cooled
No. of cylinders	6
Power	597 kW, E rating (intermittent)



ELECTRIC SYSTEM

System	24 VDC
Batteries	2 x 12 VDC, 200 Ah
Alternator	70 A
PLC	IFM
Protection Rating	IP65



HYDRAULIC SYSTEM

Open circuit system for maximum cooling and filtering efficiency. Variable displacement pump for optimum power consumption and smooth operation.

Make and model	Parker PV+, 2 x 270 cc tandem
Regulator	Electronic displacement control
Maximum flow	950 l/min
Auxiliary flow	25 l/min
Pressure	380 bar
Full flow return filter	10 microns



COOLING SYSTEM

The hydraulic oil cooler is combined with the engine cooler and provides ample capacity without using auxiliary power to drive extra cooler fans.



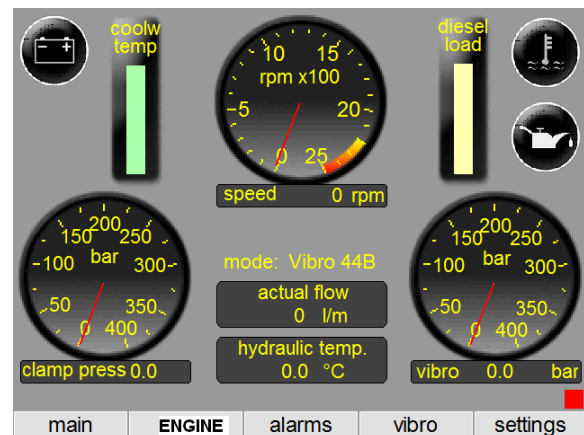
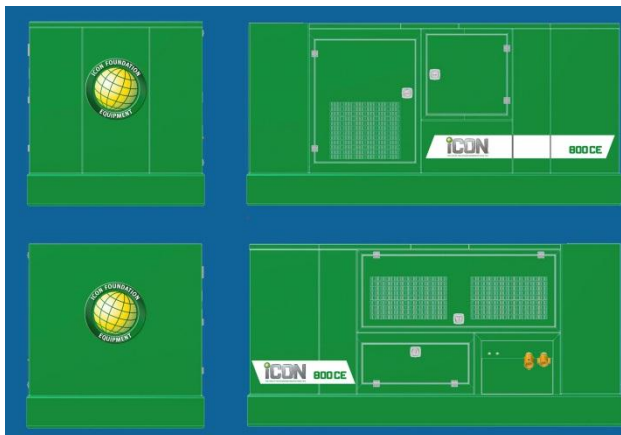
SERVICE CAPACITY

Fuel tank	700 l
Hydraulic oil tank	1500 l
Engine oil	20 l
Engine coolant	35 l

DIMENSIONS

Weight	9000 kg empty
Length	4500 mm
Width	2200 mm
Height	2300 mm

Materials and specifications are subject to change without notice.



Global Sales and Service locations

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