



### **The IMPACT 125 power pack**

The IMPACT 125 is a diesel driven hydraulic power pack intended to drive an IMPACT hammer.

The IMPACT 125 uses a Perkins 1104 engine with a power rating of 75 kW (102 BHP). The engine is fitted with a Parker high pressure pump, type PV+ 80cc with a capacity of 125 litres at 2000RPM.

The enclosure is made from steel girders and zincor plating steel and offers optimum protection in tropical or marine environments. Several doors provide maintenance access. For large maintenance work or replacements, the complete enclosure can easily be removed. Four lifting eyes provide easy transport.

The hydraulic pumps are electronic 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. A hydraulic oil cooler with a DC driven fan takes care of heat losses in the system.

The newly developed IP65 electronic control system with pendant control completes the power pack. Behind operator passwords a menu to choose between various applications is provided. The power pack is easily adaptable to drive other equipment like winches, DOP pumps or vibratory hammers.

Our smart solution for engine speed control will limit noise and improve fuel efficiency.

All our power packs are, off course, built according to the CE regulations (including noise requirements), quality management standard ISO 9001 and good workmanship.

## Technical Data

### DIESEL DRIVE

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Make and model	Perkins 1104
Emissions	Tier3 Stage IIIA
Type	water cooled, direct injection
Aspiration	turbo charged and inter cooled
No. of cylinders	4
Power	75 kW

### ELECTRIC SYSTEM

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System	24 VDC
Batteries	2 x 12 VDC, 120 Ah
Alternator	50 A
PLC	EPEC
Protection Rating	IP65

### HYDRAULIC SYSTEM

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

Make and model	Parker PV+, 1 x 80 cc
Regulator	Electronic displacement control
Maximum flow	125 l/min
Pressure	350 bar
Full flow return filter	10 microns

### COOLING SYSTEM

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The hydraulic oil is cooled by a separate cooler with a capacity of 14kW and a DC driven fan.

### SERVICE CAPACITY

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Fuel tank	200 l
Hydraulic oil tank	250 l
Engine oil	6 l
Engine coolant	10 l

### DIMENSIONS

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Weight	2000 kg empty
Length	2500 mm
Width	1000 mm
Height	1500 mm