

IMPACT 450

DEMATEC EQUIPMENT BV
DRIVING THE FUTURE



The IMPACT 450 power pack

The IMPACT 450 is a diesel driven hydraulic power pack intended to drive a hydraulic IMPACT hammer.

The IMPACT 450 uses a Caterpillar C-9 engine with a power rating of 262 kW/350 hp. The engine is fitted with Parker high pressure industrial pumps, type PV+, with a capacity of 450 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 certified lifting eyes provide easy transport.

The hydraulic pump is electronically controlled to be able to vary the flow from 0-100% by pushbuttons. Properly sized manifolds and a bypass cooling system guarantee a low return pressure, maximizing the efficiency of the hammer. Pre- heating is a standard option on each power pack. Combining the hydraulic oil cooler into the engine cooler further improves the fuel efficiency of the power pack.

The IQAN electronic control system in the power pack combines with the wireless remote control system to give you an integrated wireless hammer control system.

The IMPACT power pack is easily adaptable to drive other functions, like winches or pump drive.

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

SPECIFICATIONS IMPACT 450

DIESEL DRIVE

Make and model	Caterpillar C9 ACERT
Emissions	Tier3 Stage IIIA
Type	water cooled, direct injection
Aspiration	turbo charged and inter cooled
No. of cylinders	6
Power	262 kW/ 350HP, C rating (intermittent)

ELECTRIC SYSTEM

System	24 VDC
Batteries	2 x 12 VDC, 120 Ah
Alternator	70 A
PLC	Parker IQAN
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+, 1 x 270 cc
Regulator	Electronic displacement control
Maximum flow	450 l/min
Bypass flow	200 l/min
Pressure	380 bar
Full flow return filter	25 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	540 l
Hydraulic oil tank	1000 l
Engine oil	20 l
Engine coolant	35 l

DIMENSIONS

Weight	5500 kg empty
Length	3520 mm
Width	1650 mm
Height	1720 mm