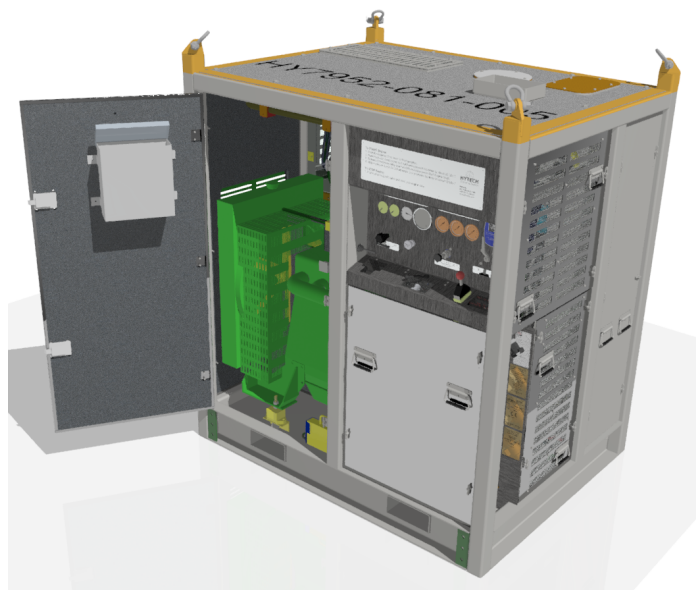




The Hytech diesel Hydraulic Power Pack (HPU) is a modern designed machine. Built for ease of transportation and easy hookup for use on a new location. It is built to be used in hazardous areas.

It is designed around a diesel engine with the best in terms of performance and reliability, long service intervals, high efficiency and excellent fuel economy which are EX-certified.

To the diesel engine we have installed a hydraulic swash plate type axial piston pump which is designed to specifically satisfy the Oil & Gas, marine and general industrial machinery market where a high-pressure variable displacement pump is required.

Features & Benefits

The diesel HPU are certified for lifting and transportation (designed according to DNV 2.7.1), it has a compact but still service friendly design. It can be utilized for many different hydraulic consumers and are easy to start up and operate.

It has quick connectors for the hydraulic supply and return interfaces.

It has integrated Air cooler.

There is no need for any electric connections (motor to be started by compressed air)

It has forklift pockets for ease of movement by forklift, and it has lifting lugs with shackles and chains for easy lifting by crane.

Functional description

The diesel HPU have following instrumentation on Engine.

- Engine oil pressure indicator
- Engine coolant temperature indicator

Shutdown and stop criteria's:

- Emergency stop
- Hi exhaust temperature detection with automatic shut down
- Hi engine coolant temperature detection with automatic shut down
- Engine overspeed detection with automatic shut down
- Low lubrication oil pressure detection with automatic shut down



Interface information**Model: HD-HPU**

The unit can be connected from bulkhead plate connectors:

HPU function interface

Pressure port	1" Snap Tite serie 75 male
Return port	1 1/4" Snap Tite serie 75 male
Drain port	3/4" Snap Tite serie 75 male
Water ports	3/4" Claw Coupling
Air inlet port	1" Claw Coupling

Specifications & Dimensions

The frame is built in accordance to DNV 2.7,1 standard.
 There are 4-part lifting chains installed on the frame for transport use.
 Forklift pockets are placed in bottom part of the frame.

Diesel engine

The unit is powered by JCB 444 Flame Protected Engine

Hydraulic pump

The unit is equipped with Hydraulic Pump

Main data

Maximum rating	55,3 KW
At speed	2200 RPM
Maximum torque	305 Nm
Emission Certification	EPA, TII, EU

Main data

Capacity	80 cc/rev
Pressure rating	320 bar
Speed rating	2400 RPM

Tanks

Unit contains 2 tanks:

Diesel tank

Volume	200 l
Material	AISI 304

Hydraulic tank

Volume	400 l
Material	AISI 304

Specifications Dimensions

Description	Data
Lenght	1810 mm
Width	1400 mm
Height	2100 mm
Weight (dry)	1400 kg
Weight (incl Fluid)	2300 kg