

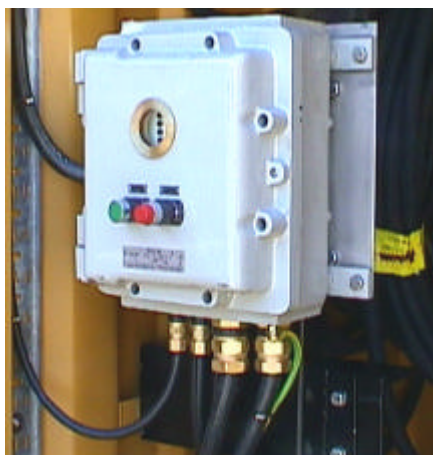
Hammelmann Ultra high and high pressure OFFSHORE pump units electrically powered for Zone 1



High pressure pump

Type: Hammelmann HDP 52

37 kW @	Flow	Pressure max.
60 Hz	26 l/min.	750 bar
50 Hz	22 l/min.	890 bar



Starter / Control Panel

37 kW 415 v, 3 phase, 50/60 Hz, Star-Delta starter housed in a Eexd IP65 Cast Iron enclosure. Controls for stopping and starting are provided with a warning lamp for pump shutdowns.



Suction and Discharge Connection

Stainless steel suction connection to water supply with stainless steel filter housing, fine filter and cut off switches for high temperature and low pressure.

Discharge block mounted on pump head fitted with safety burst disc assembly, discharge pressure gauge and 1/2" BSPP discharge connection.



Offshore container

6'6" x 6'6" x 7'6" container certified for Offshore, complete with fork lift and crane lift points and a 4-point offshore sling set. Double wing access doors, heavy steel plate floor and wall panels, inlet and outlet ventilation louvres.

Controls for the unit and connections for water supply inlet and high pressure pump discharge are accessible from outside the unit.



DNV Certification

Units are designed, constructed, tested and certified to the following specifications:

DNV 2.7-1 container lift
DNV Zone 1 Electrical installation

Produced in the UK by

CALDER LTD
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CALDER
PRESSURE SYSTEMS

HAMMELMANN

Hammelmann Ultra high and high pressure OFFSHORE pump units diesel powered for Zone 2 operation



High pressure pump

Type: Hammelmann

HDP	Flow	Pressure max.
114	20 l/min.	2500 bar
164	40 l/min.	2200 bar

Engine

- Caterpillar 3306 turbo charged diesel engine with water cooled exhaust manifold and turbo charger housing.
- Flexible coupling between engine and pump with stainless steel protective guard.
- Flywheel and housing with air driven starter motor.
- Engine driven compressor and receiver for auxiliary equipment and controls.
- Additional large capacity compressor for multi tool operation.

DNV Certification

Units are designed, constructed, tested and certified to the following specifications:

DNV 2.7-1 container lift
DNV Zone 2 to BP200



Offshore container

Standard 10 ft. container certified for Offshore, complete with fork lift and crane lift points and a 4-point offshore sling set. Double wing access doors, heavy steel plate floor and wall panels, inlet and outlet ventilation louvres.

Controls for the unit and connections for water supply inlet and high pressure pump discharge are accessible from outside the unit.



Control System

- Stainless steel control panel.
- Hydro throttle control system.
- Dial revolution speed control
- Automatic mechanical/pneumatic shutdown



Cooling System

- To BP200 specification for Zone 2 operation
- Pyroban or Flametech exhaust gas cooling and engine shutdown system.
- Large capacity radiator and engine driven cooling fan.
- Water cooled flexible between engine and cooling manifold.
- Exhaust flametrap.
- Dry flexible between exhaust cooler and vertically mounted spark arrester.
- Air intake shutdown valve with integral flametraps.

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PRESSURE SYSTEMS