

# MH™ Hydraulic Power Unit

## MH™ HPU Series

**Our hydraulic power unit provides sufficient power based on dynamic user demand through the Smart Control Energy Saving System.**

### Product description

The MH™ HPU series supply the required flow and pressure. The total supply varies based on the operation and number of simultaneous users through the Load Sensing Control ensuring a minimum of energy required.

It is available for safe or hazardous working areas according to your project requirements.

It can be delivered with either a submerged or an external pump design and is available with an air oil cooler, a fresh water cooler and/or a sea water cooler. Additionally, an oil heater is delivered as standard to maintain the oil temperature in the tank when the HPU is shut down/idle.

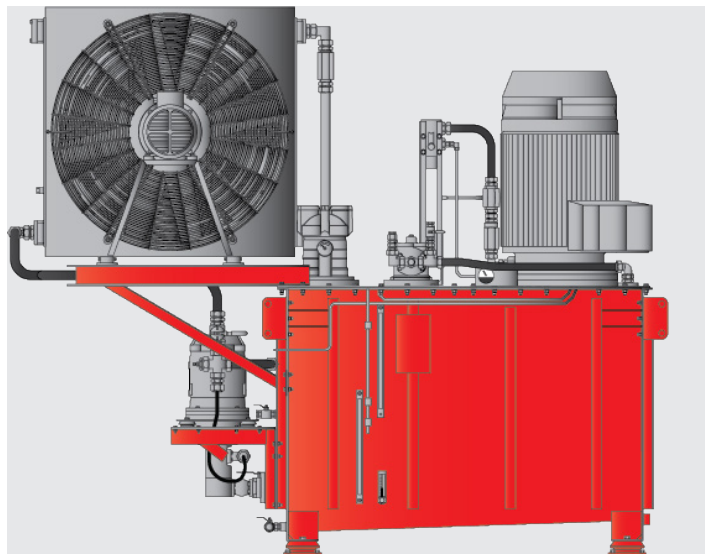
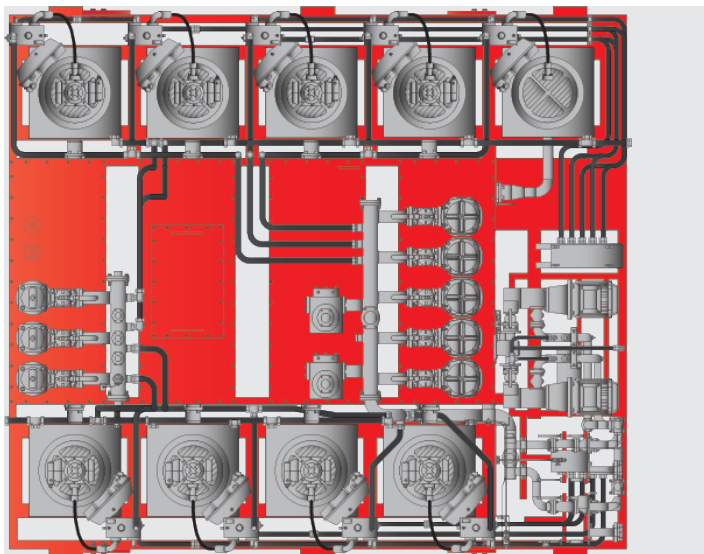
### Key features

- Smart Control Energy Saving System
- Pressure transmitter for remote monitoring of supply pressure
- Noise absorbing cover for each pump/motor or noise hood container to further improve HSSE performance
- Drip pan to collect and avoid oil leakage
- Offline filter for continued filtering of oil when the main motors are off
- Pressure intensifier for increased supply pressure
- Particle counter and water sensor which functions as an online condition monitoring system for detecting particle contamination

### Benefits

- High flexibility for various rig layouts for both single equipment and ringline systems
- Minimizing the energy requirements
- Versions with two to nine motors, depending on your capacity and flow requirements
- Several power supply solutions with the possibility to include the motor starter, or connection to the starter, in the motor control cabinet leads to enhanced personnel and equipment safety
- Various control options allow operation and monitoring from multiple locations. They are user-friendly and easy to maintain
- Can be combined with the MH™ Hydraulic Power Bank to further reduce overall energy consumption





## Technical specifications

Data in the table below give an indication about the broad range of available HPU variants from HMH.

	HPU 2 M WET CT042	HPU 2 M DRY CT321	HPU 3 M WET CT041	HPU 3 M DRY CT331	HPU 4 M DRY CT341	HPU 6 M DRY CT361	HPU 8 M DRY CT381	HPU 9 M DRY CT391
Capacity	237.7 gpm (us) (900 l/min)	142.7 gpm (us) (540 l/min)	356.6 gpm (us) (1350 l/min)	237.8 gpm (us) (900 l/min)	317.0 gpm (us) (1 200 l/min)	428.0 gpm (us) (1 620 l/min)	634.0 gpm (us) (2 400 l/min)	641.9 gpm (us) (2 430 l/min)
Reservoir	818.9 gal (us) (3 100 l)	607.6 gal (us) (2 300 l)	1 091.0 gal (us) (4 130 l)	924.6 gal (us) (3 500 l)	1 241.6 gal (us) (4 700 l)	1 849.2 gal (us) (7 000 l)	2 351.1 gal (us) (8 900 l)	2 351.1 gal (us) (8 900 l)
Working pressure	3 046 psi (210 bar)							
Total power output	496 hp (370 kW)	266 hp (198 kW)	744 hp (555 kW)	402 hp (330 kW)	590 hp (440 kW)	756 hp (564 kW)	1 180 hp (880 kW)	1 211 hp (903 kW)
Weight (operational)	18 827 lb (8 540 kg)	14 330 lb (6 500 kg)	24 250 lb (11 000 kg)	22 090 lb (10 020 kg)	29 940 lb (13 580 kg)	39 022 lb (17 700 kg)	50 265 lb (22 800 kg)	50 706 lb (23 000 kg)
Dimensions								
Length	137.8 in (3.5 m)	133.9 in (3.4 m)	173.2 in (4.4 m)	189.0 in (4.8m)	208.7 in (5.3 m)	283.5 in (7.2 m)	350.4 in (8.9 m)	185.0 in (4.7 m)
Width	59.0 in (1.5 m)	90.5 in (2.3 m)	59.0 in (1.5 m)	94.5 in (2.4m)	86.6 in (2.2 m)	86.6 in (2.2 m)	86.6 in (2.2 m)	165.4 in (4.2 m)
Height	102.4 in (2.6 m)	94.5 in (2.4 m)	102.4 in (2.6 m)	98.4 in (2.5 m)	98.4 in (2.5 m)	98.4 in (2.5 m)	98.4 in (2.5 m)	98.4 in (2.5 m)
No. of motors	2		3		4	6	8	9
Power consumption	523 hp (390 kW)	282 hp (210 kW)	783 hp (584 kW)	487 hp (363 kW)	649 hp (484 kW)	817 hp (609 kW)	1 200 hp (895 kW)	1 215 hp (906 kW)
Supply voltage	690 V	600 V	690 V					
Supply frequency	60 Hz							

Data is subject to confirmation by the manufacturer.