

HydroSub HS 450

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The HydroSub 450 is a powerful (500 kW) pumping unit with one Super High Flow Submersible pump feeding a boost pump fixed installed in the housing. The hydraulic driven submersible pump delivers water from as far away as 60 meters horizontally or 10-15 meters vertically with a capacity of 11,000 lpm @ 2,5 bar. The pressure is then increased by the boost pump to 12 bar, resulting in a total output of 11,000 lpm @ 12 bar. The unit controls the output and input values automatically via the IQAN Control system. Unit can run autonomously for long periods of time.

The unit is build with stainless steel paneling and doors, whereby the locks and hinges are of a high quality durable stainless steel. Maintenance of the HS-450 is kept to a minimum, whereby all inspection points are easily and readily accessible. Supply complete with support winch and 60 meter 10" feed hose (from submersible pump to boost pump), 2x 20 mtr. and 2x 10 mtr.)



Submersible Pump:

The submersible pump is build into a carrying frame with floater and wheels, connected to the diesel-hydraulic transmission by means of two, 60 meters long, hydraulic hoses installed on two reels, allowing pumping at 60 meters distance. No draft and suction losses.

Output 11,000lpm @ 2,5 bar

Dimensions: (submersible only) 580 x 710 x 935 mm.

Weight: approximately 135 kg.

Boost pump

The main-boost pump fixed installed in the container pump housing. Capacity 11,000 lpm @ 12 bar. Pump is directly coupled to a 500 kW diesel engine. Increase pressure output of 11,000 lpm @ 14bar possible with different configuration diesel engine.

Control instruments.

The HFS HydroSub-450 is controlled by an easy to operate Human Machine Interface and an advanced monitoring system (CANbus). The TFT color Instrumentation and control panel is fixed at the side. This ergonomically designed control panel uses IQAN technology for easy operation. All vital engine output parameters are measured and maintained automatically. The display also shows the calculated water output. Audible and visible alarms are generated when a parameter falls outside its maximum or minimum setting. If alarms are ignored for a prolonged time, the unit will automatically regulate itself to a safe output performance level and as such prevent the unit from being damaged permanently, yet still giving maximum reliability. As standard the HydroSub 450 is equipped with a GSM 900/1800 module and with battery charger.

Dimension: (LxWxH in mm) 5500/2450/2350.

Weight: +/- 10.000 Kg.



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