

# HydroSub 150

## HydroSub 150 complete with hydraulic support winch and powered hose reels.

The HydroSub 150 pumping unit has a lightweight portable hydraulic driven submersible pump, complete with floating device, powered by a 145 kW 6-cylinder diesel engine. The 60 meters of hydraulic hose enable the submersible pump to be deployed in difficult to access locations. The hydraulic hose is stored on two hydraulic driven hose reels. The unit has a hydraulic driven support winch to retrieve the submersible pump after deployment.



While the norm-capacity EN14710 calls for a minimum of 3000 ltr/min at 10 Bar, the HS-150 actual capacities are:

- 3500 ltr/min. at 10 bar.
- 2500 ltr/min. at 13 bar.
- 4500 ltr/min. at 8 bar (with the optional Hi-flow impeller installed)
- 8000 ltr/min. at 2,1 bar (with the optional Hi-flow impeller installed)
- 11000 ltr/min. at 2,5 bar (with the optional Super High Flow submersible pump)

Portable Submersible Floating hydraulic driven centrifugal pump, type HFS-3000, housing and impeller of Alu-bronz, seawater proof.

Weight approx. 115 Kg., standard 6" Storz connection.

Engine: Make Volvo, 6 cylinder turbo diesel, type TAD650VE. This engine complies with present exhaust emission regulations both in the USA and Europe.

Output: KW/Torque Nm, 145/630 at 2200 rpm.

Engine compartment with excellent sound insulation provisions (<90dBa @ 1 mtr. – at operator position)

The Instrumentation and control panel is fixed at 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.

The system performs self-diagnostic checks; in case of faulty sensor the HS-150 will still be operational, as the control system will assume safe default sensor setting.

Units are as a standard prepared for optional remote operation or monitoring via GSM network.

Mounted in skid mini-container frame. With seawater proof anodized chequer plate and stainless steel doors. Coated steel plate.

Handling facilities for:

- Hook arm lift-off system, adjustable for the various norm hook height.
- Hook eyes also functioning on both sides also as crane-helicopter lift-eyes.
- Forklift slots.

Comes with 2 coupling spanners 150 mm.

**Dimensions:** L/W/H in mm. 4200/1060/1800

**Weight:** approx. 3050 kg.



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