

HFS HYDROSUB 150



General Description

The HydroSub 150 pump unit consists of a portable hydraulic driven submersible pump, complete with floating device.

- Outlet 6" Storz coupling.
- Powered by a 6-cylinder turbocharged diesel engine.
- Type HFS-3000 standard version 3500 lpm @ 10 bar
OR type HFS-3000 Hi-Flow version 8000 lpm @ 2,1 bar.
- Bronze pump housing, alu-bronz impeller, stainless steel frame



HFS HydroSub 150

Main features

Portability

The limited weight of the submersible pump of approximately 115kg/ provides the ability for two persons to place (throw) the pump in the water. The pump is equipped with wheels and four handles to enable a four person lift.

Accessibility / Operational speed

The portability and the 60 meter hydraulic hose length guarantees access to almost all open waters, providing a very speedy water supply without any capacity loss or time loss due to draft problems at a reach of up to 60 meter or with a lift of up to 60 meter.

Submersible / Floating

The submergibility and floating features guarantees operation with cleanest possible water, not affected by the water level or by waves. Even in cases where water is being pumped from very shallow locations and consequently the risk of cavitation exists, the pump will still maintain its operation.

Hydraulic Transmission.

The hydraulic transmission consists of a high-efficient axial-piston hydraulic pump Hydraulic transmission components, powering a hydraulic motor attached to the centrifugal water pump. Hydraulic system pressure maximum 340 bar.

Operation.

The capacity is engine speed controlled on the instrument panel. The unit is equipped with an advanced control system. The ergonomically designed control panel uses IQAN technology for easy operation. All vital parameters are measured and automatically maintained, such as oil pressure, oil temperature, fuel level, motor temperature, etc. The display also shows the calculated water output. Audible and visible alarms are generated when a parameter falls outside its maximum or minimum settings. If alarms are ignored for a prolonged time, the unit will automatically regulate itself to a safe to operate output performance level and as such prevent the unit from being damaged permanently.

Winch and Reels

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.

Base Frame Skid.

The above main components are installed on a base-skid-frame equipped with sound insulated panelling. Approximate dimensions, L/W/H/ Wgt, (mm/kg) 4300/1060/1860 3050kg

Trailer Version / Panelling.

Optionally the unit can be supplied with a dual axle trailer version

Capacity:

The basic HFS-3000 pump is available in a version of 3500 lpm @ 10 bar pressure. Optionally the unit is available as a Hi-flow version with 8000 lpm @ 2.1 bar.

