

Hytrans HydroSub® 60

100472

The HydroSub® 60 pump unit consists of a portable hydraulic driven submersible pump, complete with floating device. Outlet 110 mm Storz coupling. Powered by a 4-cylinder diesel engine. Stainless steel pump housing, alu-bronz impeller. The housing as well as the impeller of the FloodPump is made of aluminium.

Completely lossless! There are no suction losses, such a system is achieved by a floating pump that is placed directly in the water to be pumped: The pump is powered by a hydraulic drive driven by a powerful diesel propulsion engine, located in the base frame of the device. Possibility of access to any open source of pumping water, horizontally or vertically in the length of 30 meters.

HydroSub® 60 is a mobile pump unit powered by a liquid-cooled diesel engine from the engine radiator. The unit is located on a metal frame closed by light side covers made of ABS plastic, and the rear door is made of metal that is aluminized. An additional delivery option of the unit is on a two-axle trailer.

The concept of the main framework

Main frame concept: This compact frame is dimensioned in such a way that it can be easily installed in any small vehicle or car trailer. Inside the frame is storage space for a standard submersible pump or the optionally available FloodPump.

FloodPump

FloodPump is connected instead of the standard pump. Total weight approx. 140 kg, has an aluminum housing, impeller and two floats with which it floats on the surface. It is fixed in a completely removable stainless steel frame with 4 practical handles for lifting and handling, which requires 2 people. There are 4 wheels at the bottom of the support frame.

The suction sieve is integrated in the lower part of the frame and allows the passage of particles up to 40 mm in diameter. The kit also comes with a drainage pipe, 300 mm in diameter, as desired. (recommendation 200 m).

Technical specifications

Capacity

- Standard: 1500 ltr/min at 10 bar
- Hi-Flow: 4000 ltr/min at 2,5 bar (optional)
- Floodpump: 20.000 ltr/min at 0,3 bar (optional)

Control instruments

- Automatic electronic IQAN capacity pressure control
- Engine temperature, engine speed, engine oil pressure
- An hour counter, a warning light for alternator current, temperature hydraulic oil, stop button, hydraulic oil pressure, security system
- Automatic engine stop function, working lights, warning lights

Impact

The engine speed is controlled by an advanced CAN-bus control system. The ergonomically designed control panel with its own Hytrans control system ensures the measurement and maintenance of all vital parameters, such as oil pressure, oil temperature, fuel level, engine temperature, etc.

Audible and visible alarms are generated when a parameter falls outside its settings. If alarms are ignored for a long time, the device will be automatically regulated in a safe way to control the output performance and thus prevent damage to the device.

