



General description

The HydroSub 150 mobile pump unit consists of a diesel-hydraulic power pack pump unit with a portable hydraulic driven submersible pump, complete with floating device. As an option you can connect three FloodPumps in stead of the standard submersible pump.

No draft problem anymore. No suction draft losses, due to the application of a hydraulically driven submersed floating pump, powered through a hydraulic transmission by a powerful diesel engine. Compactly build into a base-skid-frame.

Featuring access to any open water at a horizontal and vertical combination distance of total 60 meters.

Capacity

Standard : 3800 lpm @ 10 bar

Hi-Flow : 8000 lpm @ 2,5 bar

FloodModule (optional): 50.000 lpm



Scan for more info



Submersible pump



Control panel

HydroSub 150



Capacity

Standard impeller

2500 lpm @ 14 bar (660 GPM @ 200 psi)

3800 lpm @ 10 bar (1000 GPM @ 150 psi)

With optional Hi-Flow impeller

8000 lpm @ 2,5 bar (2100 GPM @ 36 psi)

Dimensions & weight

Dimensions: approx. 4200 / 1162 / 1840 mm

Weight: approx. 3060 - 3110 kg

Main features

Mobile water transport system

Besides the HydroSub units, Hytrans supplies additional equipment to complement the Hytrans water transport system.

Hose Layer Containers for the fast deployment of thousands of meters Super Large Diameter hoses up to 12-inch.

The Hose Recovery Unit (HRU).
An automatic hose pick-up system to recover hoses fast with minimal manpower.


Hoses and hardware. Large diameter hoses, Y-pieces, gate valves and all other equipment needed to lay-out a complete and temporary aboveground water distribution system in no time.

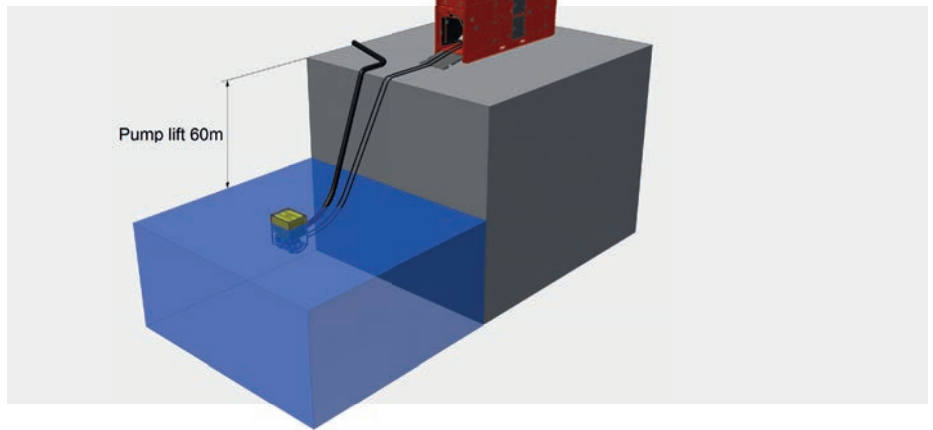
Contact us for more information.

Lemsterpad 56, 8531 AA
Lemmer, The Netherlands

 [hytrans.com](https://www.hytrans.com)

 sales@hytrans.com

 +31 (0)514 60 89 96



The HydroSub 150 is a mobile pump unit driven by a powerful diesel engine with radiator cooling. The unit is built in a base skid-frame with stainless steel panels and anodized aluminium doors. Designed to last!

Submersible floating pump

The bronze pump housing with a bronze alloy impeller is built into a carrying frame with floater and wheels. The pump is connected to the diesel-hydraulic power pack by means of two hydraulic hoses installed on two reels. Dimensions: (submersible only) 580 x 710 X 935 mm. Weight only approx. 115 Kkg. (250 lbs). The submersibility 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 an airlock due to an air bubble exists, the pump will still maintain its operation. This in contradiction with a conventional suction pump. No suction loss possible and no priming needed!

Portability

The limited weight of submersible floating pump provides the ability for two persons to place (throw) the pump in the water. The pump frame is equipped with wheels, sliding plate 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 vertical lift of up to 60 meter. 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.

Hytrans Control System

The unit is equipped with an advanced Hytrans CAN-bus control system. All vital parameters are measured and automatically maintained, such as oil pressure, oil temperature, fuel level, motor temperature, etc. The ergonomically designed control panel shows also 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 at your choice either automatically regulate itself to a safe level to prevent permanent damage OR it will, at your choice, "run-to-death". Faulty sensors can be overruled to prevent unwanted shutdown.

Emission and other options

The HydroSub 150 is available according EU/USA non-road mobile machinery (NRMM) exhaust emission rules (EU stage 5/ EPA Tier4F). A full list of options is available, including SuperHighflow pumps, floodpumps, remote controls, pressure controls, trailers etc.

Unmatched reliability

More than 1300 Hytrans water transport systems are in daily service at fire brigades, nuclear installations and civil defences all over the world to fighting fires and floods or providing water for numerous applications. Thousands of hours on the clock are no exception!