

HS AutoBoost 450

AUTOBOOST 450

The HFS AutoBoost 450 pump has been developed to increase the possible length of a HFS water supply line without adding extra HydroSubs. The unit is able to maintain automatically, within specified flows, the preset outlet pressure. The HFS AutoBoost unit consists of a water pump, direct driven by a diesel engine. The diesel engine is equipped with an engine heater.

A water supply system that is capable of delivering a minimum of 22,000 litres per minute at 2 bars continuously must supply the water. For example two HFS HydroSub 150 with super high flow submersible pumps, or three HydroSub 150 with High flow impellor. The transportation of the unit is done by means of a truck with hook arm lift off system.



The unit has one 12" inlet and one 12" outlet, with HFS/AWG multi lug couplings. The capacity is adapted to various specific circumstances. The rated capacity of the standard version is:
Main-boost pump 22,000 lpm @ 12 bar.

The main pump-system acts as a constant outlet pressure and flow device up to the rated flow, thereby also controlling the inlet pressure and flow.

Control instruments.

The HFS AutoBoost is controlled by an easy to operate Human Machine Interface and an advanced monitoring system (CANbus). 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 AutoBoost will still be operational, as the control system will assume safe default sensor settings. The system is standard prepared for remote control or radio control.

Dimension: (LxWxH in mm) 5500x2450x2350.

Weight: approx. 9000 kg.