



High Volume & Light Portable Pumps

Supplied & Serviced by Angloco

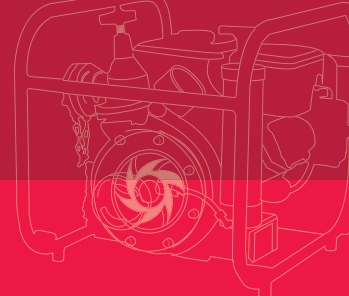
JHSTADT
Pumpen | Feuerlöschtechnik



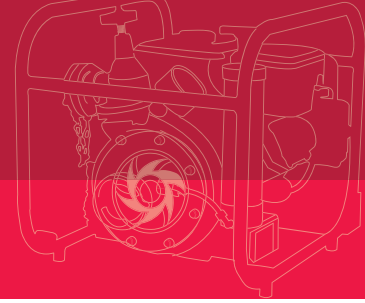
Hytrans Systems

The logo for Hytrans Systems consists of a graphic element above the text. The graphic is composed of three overlapping, downward-pointing arrow shapes: a yellow one on the left, a blue one in the middle, and a white one on the right. Below this graphic, the word "Hytrans" is written in blue and "Systems" is written in yellow.

Portable Pump ZL500H



Portable Pump ZL500H



Pump

JOHSTADT Fire Fighting Centrifugal Pump (single-stage) made of seawater resistant aluminium alloy with pump shaft made of stainless steel, mechanical seal

1x suction inlet (2½"), suction sieve

1x pressure outlet (2½") with pressure valve

Priming system: Manual piston pump

Options: 2x pressure outlet (2½") with pressure valve; pump casing and impeller made of copper alloy (red brass/bronze)

Equipment

Carry frame with four fold-away handles (rubber coated), manometer, pressure gauge, hour meter, drain cock, plug box for external charger

Option: LED spotlight

Drive

Combustion engine Briggs & Stratton, 2-cylinder 4-stroke gasoline engine, manual and electrical starter, starter battery, air cooling, tank capacity 9 litres

Weight and Dimensions

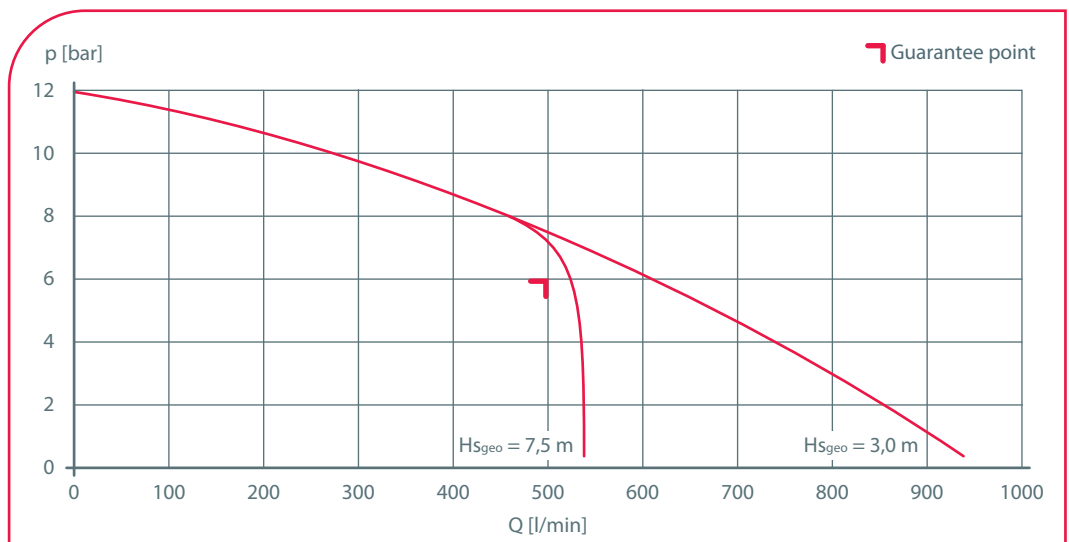
86 kg (ready for operation)

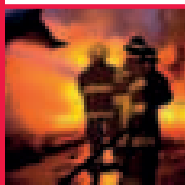
77 kg (dry)

Length x Width x Height: 590 mm x 600 mm x 590 mm

Performance

500 l/min at 6 bar
Max. delivery rate 950 l/min
Closing pressure: 12 bar





Portable Pump ZL 1000



Pump

JOHSTADT Fire Fighting Centrifugal Pump (single-stage) made of seawater resistant aluminium alloy with pump shaft made of stainless steel, mechanical seal

1 x suction inlet (4½"), suction sieve

2 x pressure outlets (2½") with pressure valve

Coupling system Storz (others on request)

Option: pump casing and impeller made of copper alloy (gunmetal/bronze)

Priming system

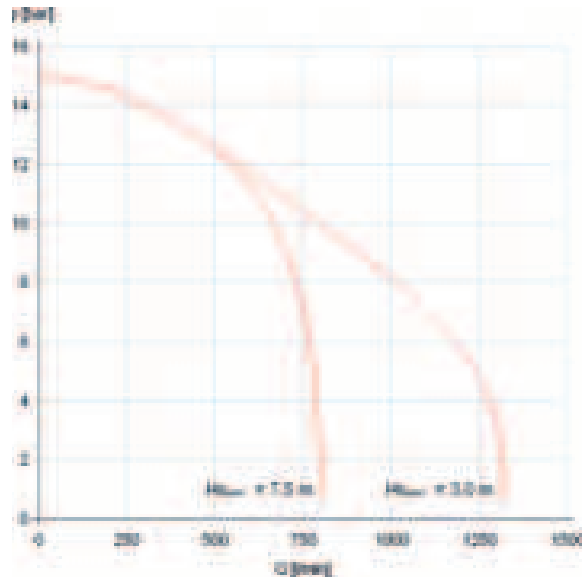
VACUMAT -automatic controlled JOHSTADT priming pump, detachable, max. 8 m suction lift, oilfree, maintenance free, pressure free

Equipment

Carry frame with standard fixing points and four fold-away handles (rubber-coated), suction inlet pressure gauge, pressure outlet gauge, hour meter, drain cock, plug box for external charger, spotlight

Performance

Nominal performance 750 l/min at 10 bar and 3 m suction lift, max. delivery rate 1320 l/min, closing pressure 15 bar



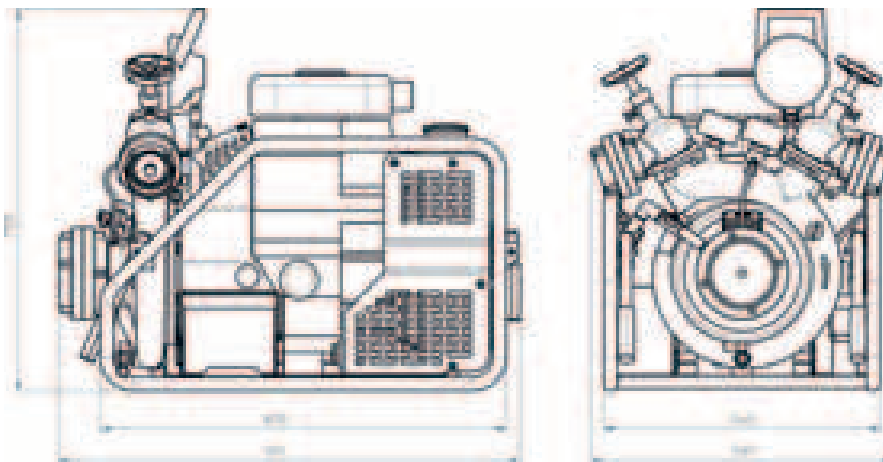
Drive

Combustion engine Briggs & Stratton, 2-cylinder 4-stroke gasoline engine, electrical starter, starter battery, air cooling, tank capacity 14 liters

Weight

145 kg (ready for operation)

135 kg (dry)

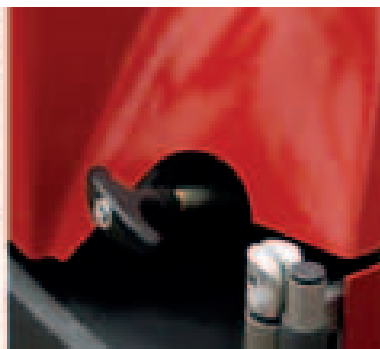




Portable Pump ZL 1500



Classification to EN 14466 - PFPN 10-1500



Pump

JOHSTADT Fire Fighting Centrifugal Pump (single-stage) made of seawater resistant Aluminium alloy with pump shaft made of stainless steel, mechanical seal

1 x suction inlet (4½"), suction sieve

2 x pressure outlets (2½") with pressure valve

Coupling system Storz (others on request)

Option: pump casing and impeller made of Copper alloy (gunmetal/red brass)

Priming system

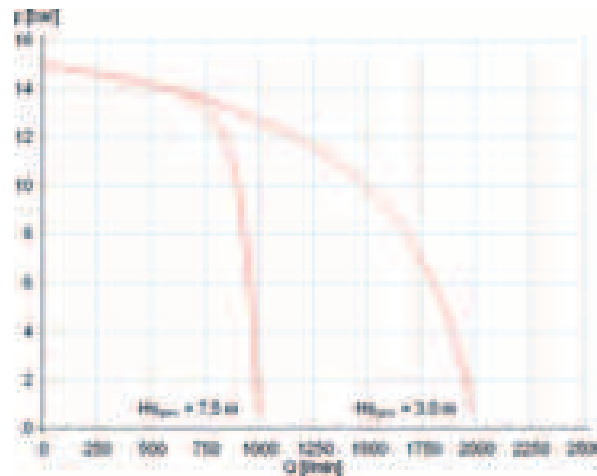
VACUMAT -automatic controlled JOHSTADT priming pump, detachable, max. 8 m suction lift, oilfree, maintenance free, pressure free

Equipment

Stainless steel carry frame with 4 lift and rotatable handles (rubber coated), suction inlet pressure gauge, pressure outlet gauge, hour meter, moveable spotlight, plastic cover with integrated controls for engine and pump, drain cock, plug box for external charger

Performance

Nominal performance 1.500 l/min at 10 bar and 3 m suction lift, max. delivery rate 2020 l/min, closing pressure 15 bar



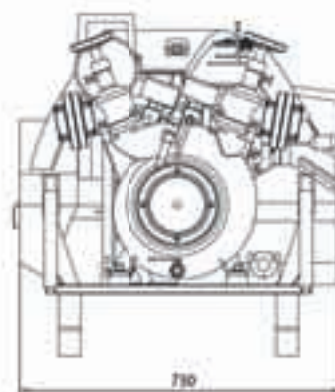
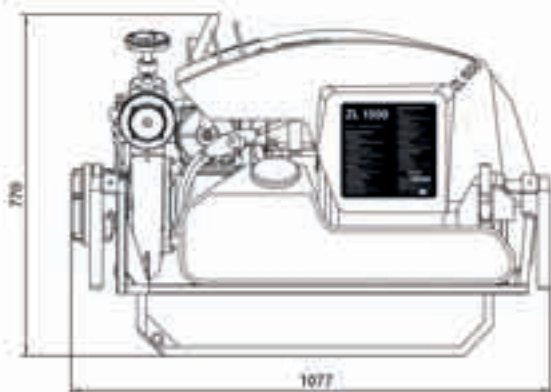
Drive

Combustion engine GÖBLER-HIRTH 2-cylinder 2-stroke gasoline engine, manual or manual and electrical starter, starter battery, air cooling, shiftable clutch, tank capacity 26 litres

Weight

145 kg (manual starter, ready for operation)

154 kg (manual and electrical starter, ready for operation)



HFS HydroSub 150



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.

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.

Output: 3.500 ltr/min @ 10 bar and/or 8.000 ltr/min @ 2,1 bar



HFS HydroSub 150

Main features

The HydroSub 150 is a mobile pump unit driven by means of a powerful diesel engine with radiator cooling. The unit is built in a base-skid-frame with stainless steel paneling and anodized aluminium doors. Optionally the unit can be supplied with a dual axle trailer version.

Submersible floating pump

The bronze pump housing with alu-bronze 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 Kg. (250 lbs).

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 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. 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.

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 an airlock due to an air bubble exists, the pump will still maintain its operation. This in contradiction with a conventional suction pump.

Hydraulic Transmission

The hydraulic transmission consists of a high-efficient axial-piston hydraulic pump Hydraulic transmission components, powering a hydraulic motor attached to the submersible floating pump. Hydraulic system pressure maximum 350 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.

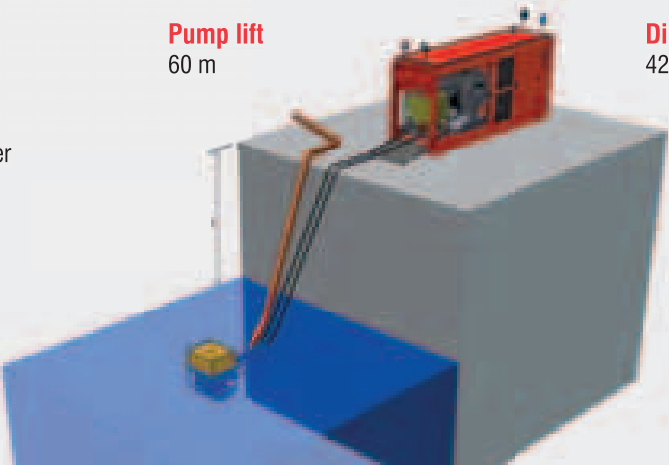
HFS Mobile Water Supply

Besides the HydroSub units, Hytrans supplies all additional equipment to complement the Hytrans Fire System.

Hose Layer Containers for the use of thousands of meters SLD Super Large Diameter hoses up to 300 mm/12-inch, extreme fast hose lay-out and easy speedy automatic hose pick-up with little manpower, due to the deployment of a revolutionary automatic hose pick-up system, the HFS Hose Recovery Unit (HRU).

Also large diameter hoses, Y-pieces, gate valves and all other equipment needed to make a complete mobile water supply in no time and with a minimum of manpower. (see separate brochures, available on request).

Contact us for more information.



Capacity
Standard impeller
- 3500 lpm @ 10 bar
(925 GPM @ 145 psi)
With optional Hi-Flow impeller
- 8000 lpm @ 2,1 bar
(2100 GPM @ 35 psi)

Pump lift
60 m

Dimensions / weight
4200 / 1162 / 1840 mm / 3050 kg

HFS FloodModule for HydroSub 150



General description

The FloodModule consists of three submersible pumps, necessary hydraulic hoses with manifold and 150 meter of special light weight flood hose. All this is carried in a standard container that fits on the HFS Duo Container system.

In combination with the HydroSub 150 it is possible to reach a capacity up to 50.000 liter/min.

HydroSub 150 + HFS FloodModule = 50.000 liter / min.



HFS FloodModule for HydroSub 150

Main features

The main goal for the development of the FloodModule, was creating a mobile unit providing flood relief on a large scale, driven by the HFS Hydrosub 150. This is what has been achieved without doing any concessions.

The FloodModule consists of three submersible pumps, necessary hydraulic hoses with manifold and 150 meter of special light weight flood hose. All this is carried in a standard container that fits on the HFS Duo Container system.

The FloodModule is an add on system to the HFS Hydrosub 150. By replacing the standard submersible pump, mostly used for fire fighting, for the FloodModule the combination is capable of reaching a capacity over 50.000 liter/min.

The special low friction and light weight 12" flood hose can easily be deployed by only one person. The separate hose lengths are connected with a simple strap.

Technical specifications

- Dimensions: 4200 x 1060 x 1800 mm (LxWxH)
- Weight: approximately 1900 Kg
- Helicopter lift-eyes
- Fork lift slots
- High quality 3-layer coating
- Capacity: up to 50.000 liter/min

Features

- Basic skid mini-container
- Suitable for HFS Combi and Duo Container
- Hookarm handling lift-eyes
- 3 x Flood pump

- Very high capacity
- Demountable frame and floaters
- 4 x light weight ramps
- Add on system to HS150
- Light weight 12" flood hose
- Simple strap coupling flood hose

Technical specifications

Flood pump

Material :

Pump : aluminum

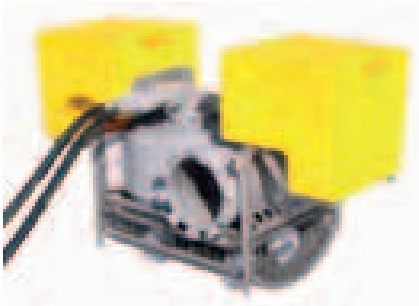
Impeller : aluminum

Frame : stainless steel

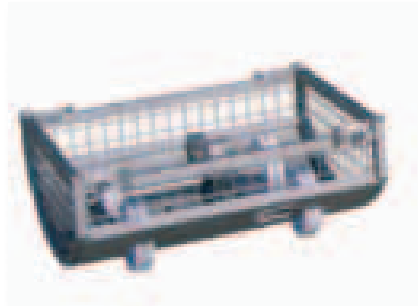
Hose : PVC coated polyester

Weight : approx. 130 kg

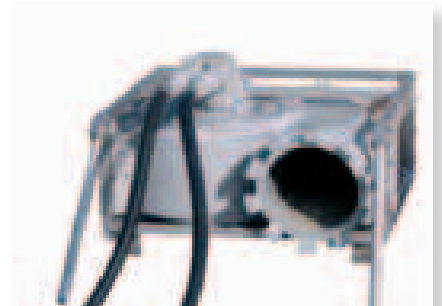
Outlet : 10" HFS MultiLug coupling



Submersible flood pump



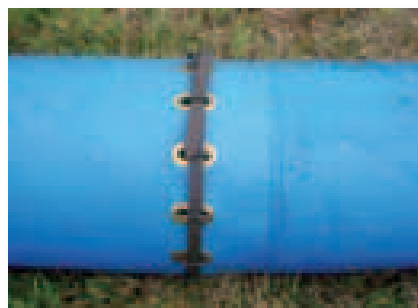
Demountable frame



Pump



Floaters



12" Flood hose coupling



Hydraulic Manifold



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