

Impulse "Hamburg" pump set

Type: IP-145/IP-160/IP-175
Electric driven piston pump



Specifications Hamburg series

L x W x H	: 225 x 95 x 120 cm	Cylinder diameter	: 145 mm	IP-145	IP-160	IP-175
Weight	: 1350 kg.	Measured power	: 7,5 kW	160 mm	175 mm	
Engine	: ABB Electric engine	Max capacity	: 48 m3/h	5,5 kW	7,5 kW	
Standard	: Forklift channels under base	Max head	: 65 mwc.	60 m3/h	90 m3/h	
accessories	: Central lifting eye	Max vacuum	: -9.5 mtr.	26 mwc.	22 mwc.	
	: Connections suction and discharge (system Cardan or Bauer on request)	Pump weight	: 825 kg.	-9.5 mtr.	-9.5 mtr.	
	: Oil retap pump for pump gearbox	Efficiency	: 92%	825 kg.	825 kg.	
	: Safety starting handle, for manual start of dieselengine			92%	92%	
	: Galvanized protection bars on long side of canopy					



General

The Impulse IP reciprocated piston pump is developed for groundwater control and temporary groundwater abstraction and can be de clean water pump.

This “clean water pump” can only be used in combination with well points with a maximal perforation of 0,7mm, or a horizontal drain pipe (French drain) which is connected to the suction of the pump.

The construction of the pump characterizes itself by a relatively low rpm (max 380 rpm of the big flywheel) combined with a high vacuum.

The construction is simple and solid and requires few to no maintenance.

The Impulse IP piston pump is standard driven by a Hatz Diesel engine or an electric ABB engine. Other engines are on request available.



The Hamburg series

The Hamburg pump set from Impulse is an electric driven pump built in a sound-muted canopy. based on the Yamuna model.

The combination of a developed sound-muted canopy and an already quiet system of an electric driven pump makes this pump unit very quiet.

The high doors make the pump and the drive section from many sides easy to reach.

The pump set contains a centrally placed lifting eye which can be locked up behind a panel to avoid vandalism.

The canopy is completely made of fully galvanised plate material and placed on a fully sunk base with an underlying fuel tank.

The sub frame is placed directly to the under base. The pump is mounted on vibration dampers, which are placed on the sub frame.

The ABB electric engine is placed on an engine base plate and fixed to the gear box of the pump.

The V-belt tension construction is equipped with push- and pull function.

A manual star-, triangle switch is installed, connected with a 5-pole CCE plug fitted with a phase change.

The drive unit is fully shielded with a V-belt protection cap.

The Mumbai pump set can be supplied with an IP-175, IP 160 or IP-145 pump. The IP-175 and the IP-145 are driven by an ABB electric engine with a power of 7,5 kW. The IP-160 is driven by an ABB electric engine with 5,5 kW power.

The pump is supplied with a fully galvanised stone box and press corner which both contain 4” inner thread. The connections are available in the Cardan or Bauer system.

The sound level is 56 dB on a distance of 1,5 meters!