



SUBMER SIBLE P RODUCT R ANGE

HSW
SCREENED SEWAGE PUMP
STAINLESS STEEL



2014 PRODUCT CATALOGUE
Q/S&M/SUB MER SIBLE/SS SCREENED SEWAGE HS W CAT/14/01

HSW SUBMERSIBLE PUMP

WORKING PRINCIPLES

The HSW series single channel pump is designed for automatic use (single phase version). The operating principle is that of pumps with a double vane impeller which is mounted on the end of the drive shaft and is enclosed in a large ring chamber, formed by the pump body and the base. The suction opening is in direct contact with the liquid which is to be pumped. The rotating impeller transmits kinetic energy to the liquid, which is centrifuged in the ring chamber, where part of the kinetic energy is transformed into pressure energy. The particular shape of the impeller optimizes efficiency.

PUMP INSTALLATION AND APPLICATIONS

This pump is designed to handle dirty water and sewage in domestic and industrial applications. It is fitted with a stainless steel double vane impeller and is suitable for pumping liquids containing suspended solids, including short fibres. It is particularly recommended for the transfer of domestic sludge, effluent, surface water and water mixed with mud such as in; household, industrial applications and underground car parks. This pump is particularly dependable in fixed installations intended for automatic use. A purposefully built pit with minimum dimensions 600x600x500mm is recommended for fixed installations, to provide total drainage and to allow for correct operation of the automatic float switch (which automatically starts the pump when the fluid reaches a preset level, stopping it once the fluid has been emptied).

WORKING CONDITIONS

Max. liquid temperature:	50°C
Max. immersion:	10m
Max. passage of solids:	35mm
PH:	4-10

MATERIALS/FEATURES:

Pump casing, impeller, cover, casing cover and motor casing - AISI304.

Shaft - AISI316

Double mechanical seal with intermediate oil chamber.

Standard with closed single channel type impeller.

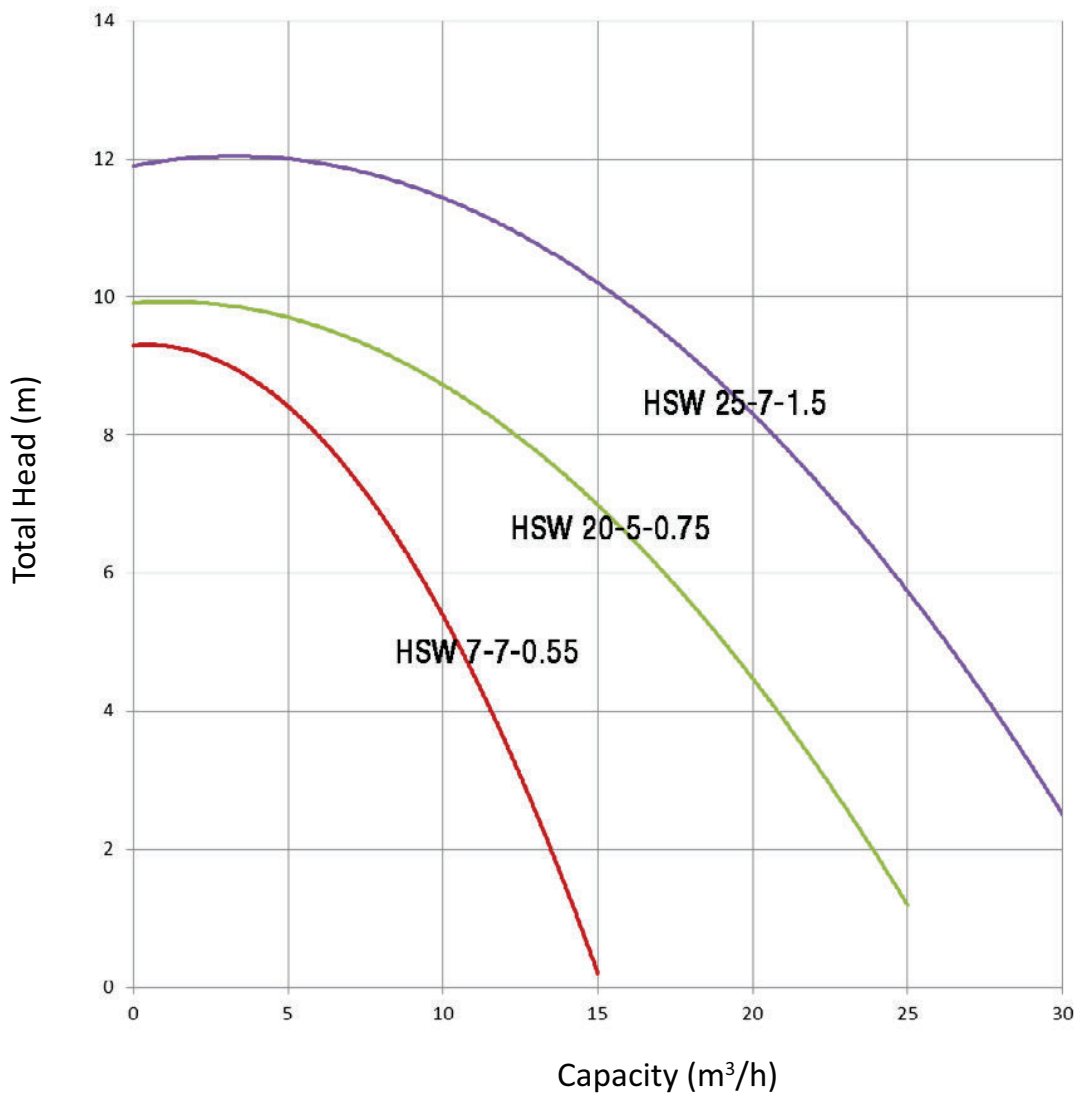


TECHNICAL FEATURES

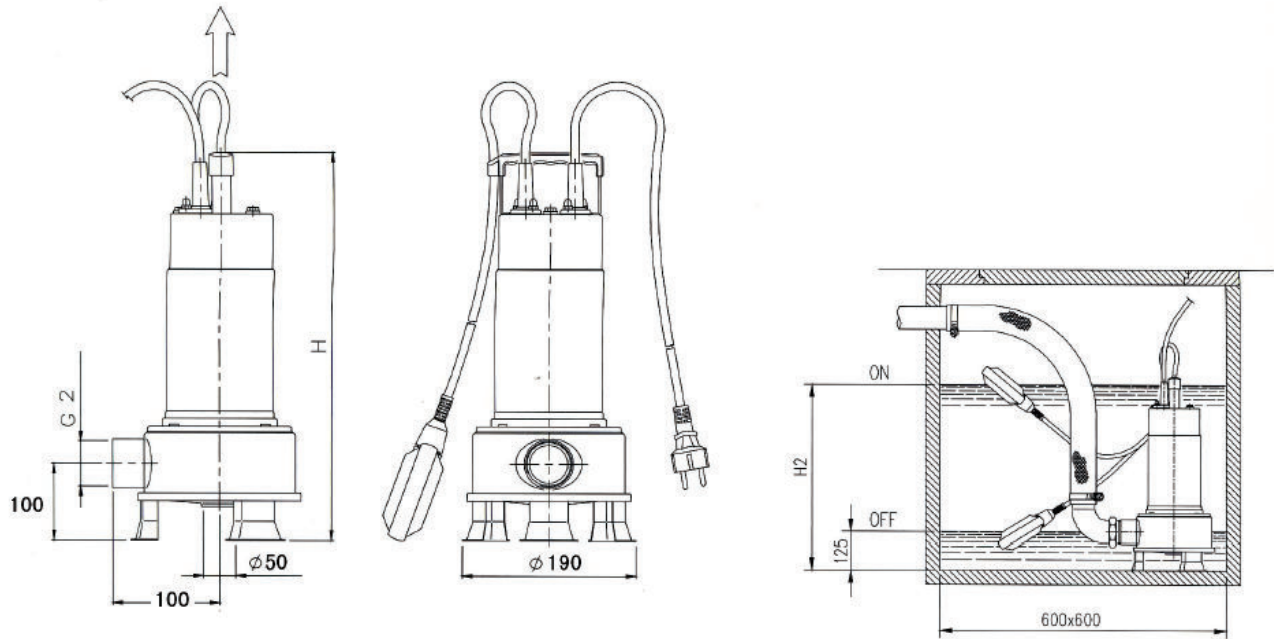
MODEL	POWER		MAX. HEAD	MAX. FLOW	VOLTAGE/ FREQUENCY	DIS-CHARGE SIZE	PACKING SIZE	WEIGHT
	HP	kW	m	m ³ /h	V/Hz	mm	mm	kg
HSW7-7-0.55	0.75	0.55	9	15	220V/50Hz, 380V/50Hz	65/50	230x230x510	10
HSW20-5-0.75	1	0.75	10	25		65/50	230x230x525	12
HSW25-7-1.5	2	1.5	12	30		65/50	230x230x540	14.5

Specification at n=2900rpm

PERFORMANCE CURVE



PUMP DIMENSIONS



MODEL	H	H2
HSW7-7	450	525
HSW20-5	470	545
HSW25-7	510	585