



HX

Submersible 5" water supply & irrigation pumps, 50 Hz



Flygt



ITT Industries
Engineered for life

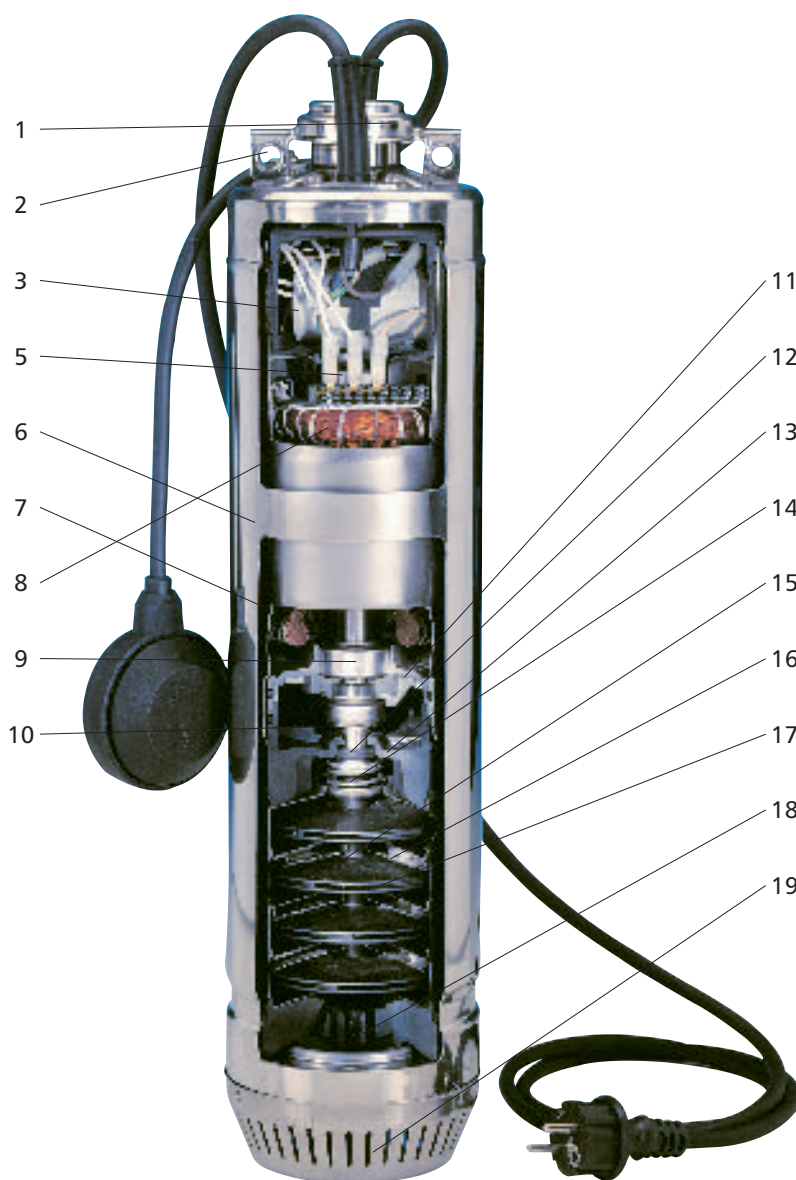
Supplying water in general, avoiding problems with suction, unpriming and noise

Presenting the HX range from Flygt. Compact 5" diameter, multi-impeller, high-performance, submersible pumps in stainless steel, AISI 304. In all, there are seven sizes offering a wide range of applications:

- transfer of raw water from rivers or lakes
- irrigation of gardens by means of rain-water collected in tanks, or river water
- transfer of groundwater from springs and wells, bored 6" or dug
- watering of live-stock
- irrigation of farmland
- pressurising water silently while submerged in tank indoors

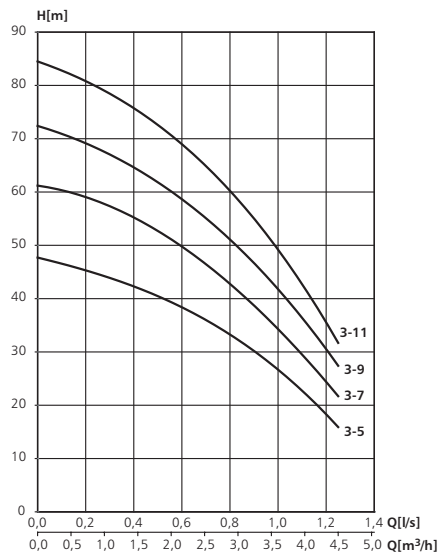
Features

- Liquid end is situated under electric motor which is cooled by the pumped fluid
- Impellers of the centrifugal type for high efficiency and maximum running economy
- Double mechanical seal system in an oil chamber to protect the motor
- Lower mechanical seal in silicone carbide to resist wear
- Should the pump run dry, the seal system is not damaged, no infiltrations in the motor
- Large scale use of stainless steel
- Horizontal installation
- Single phase version with thermal overload protection



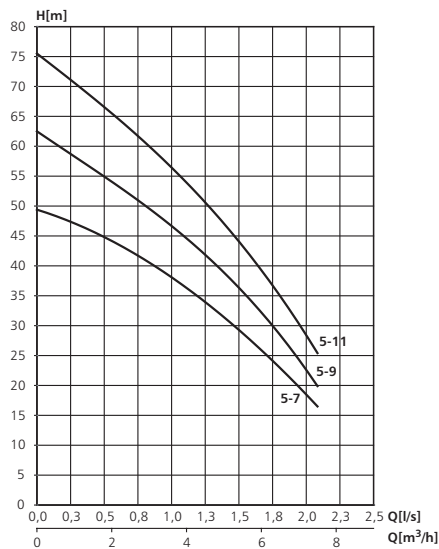
- 1 Delivery outlet 1 1/4"
- 2 Hook for safety rope
- 3 Built in capacitor on all single phase models
- 5 Top bearing
- 6 External sleeve and top support, in stainless steel AISI 304
- 7 Motor housing, in stainless steel AISI 304
- 8 Dry motor, with class F windings and built-in protection device (for single-phase versions)
- 9 Bottom bearing
- 10 Oil chamber with non-toxic oil that complies with (A) the standard for oils in contact with food products, as specified in the supplement to the GU No. 104 of 20/04/1973 (B) the Food & Drug Administration standards
- 11 Intermediate support, in die-cast aluminium
- 12 Mechanical seal in inner position
- 13 Mechanical seal seat, in techno-polymer
- 14 Mechanical seal SIC-SIC, in silicone carbide, resistant to abrasion
- 15 Shaft, hexagonal type, in stainless steel; transmits movement to the impellers without the use of keys
- 16 Diffuser, in stainless steel AISI 304
- 17 Impeller, radial type, made of technopolymer
- 18 Lower bearing, in special rubber with lubrication grooves (for versions with more than four impellers)
- 19 Inlet strainer, in stainless steel, doesn't allow solid bodies higher than 2,5 mm

HX 3-5, HX 3-7, HX 3-9, HX 3-11

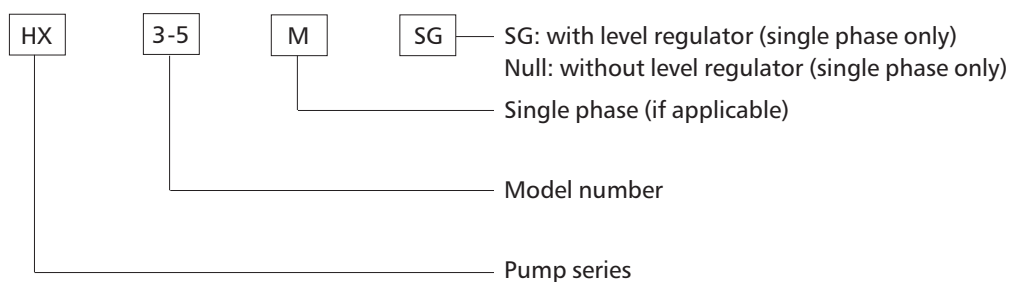


	HX 3-5	HX 3-7	HX 3-9	HX 3-11
Rated output kW	0.55	0.75	0.90	1.1
Max head m	48	61	72	84
Max flow l/min	75	75	75	75
1-phase	X	X	X	X
3-phase	X	X	X	X
Input current				
1-phase A	4.3	5.2	5.9	7.2
3-phase A	1.6	2.4	2.5	2.7
Voltage 1-phase 230 V, 3-phase 380-415 V				
Discharge connection			G 1 1/4"	
Max temp of pumped liquid				40°C
Cable HO7RN-F			20 m	

HX 5-7, HX 5-9, HX 5-11

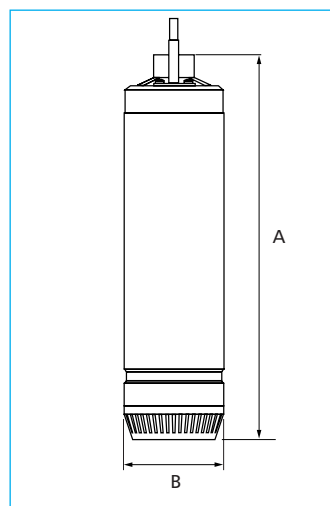


	HX 5-7	HX 5-9	HX 5-11	
Rated output kW	0.75	0.90	1.1	
Max head m	49	62	75	
Max flow l/min	125	125	125	
1-phase	X	X	X	
3-phase	X	X	X	
Input current				
1-phase A	5.3	6.2	7.8	
3-phase A	2.4	2.6	2.8	
Voltage 1-phase 230 V, 3-phase 380-415 V				
Discharge connection			G 1 1/4"	
Max temp of pumped liquid				40°C
Cable HO7RN-F			20 m	



Pump dimensions and weights

Pump type	Dimensions in mm		Number of stages	Weight kg
	A	B		
HX 3-5(M)	496	128	4	13.5
HX 3-7(M)	536	128	5	15
HX 3-9(M)	561	128	6	16
HX 3-11(M)	606	128	7	18
HX 5-7(M)	511	128	4	14.5
HX 5-9(M)	536	128	5	15.5
HX 5-11(M)	581	128	6	17.5



Accessories

The control box for 1-phase versions is delivered separately with an on/off switch.

Control box with on/off switch	Voltage (V)	P (kW)
CDMH 5	230+/- 10%	0.55
CDMH 9	230+/- 10%	0.9
CDMH 11	230+/- 10%	1.1

