

# Explosion Proof submersible pumps

## EH-85X

RATED DUTY: 200 L/min @ 25 m

The smallest pump in the Explosion Proof Submersible Pump series, the EH-85X is a high quality low head portable pump outperforming the competition both in discharge head capacity and flow rate.

This low pressure pump excels in swilly and general fluid transfer workload duties operating safely in hazardous environments containing explosive gases and vapours with IECEx Certification.

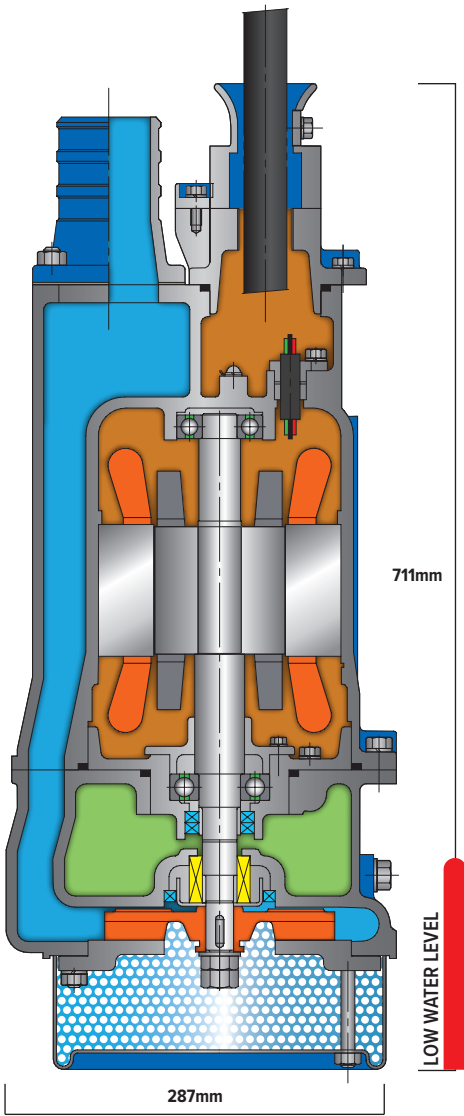
Designed and engineered for high performance efficiencies with less down-time, this pump features a double upper lipseal and lower mechanical seal protection, each lubricated within an oil chamber independent to the fluid being pumped.

The mechanical seals are not exposed to the harsh pumping environment and abrasion which provides a much longer seal and overall pump life.

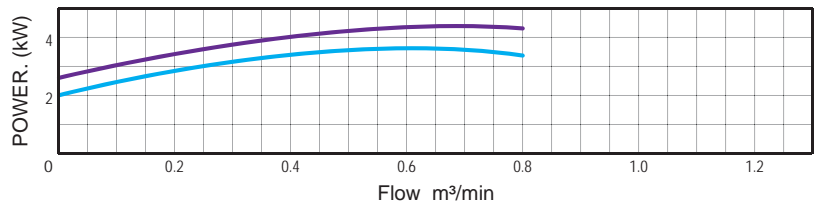
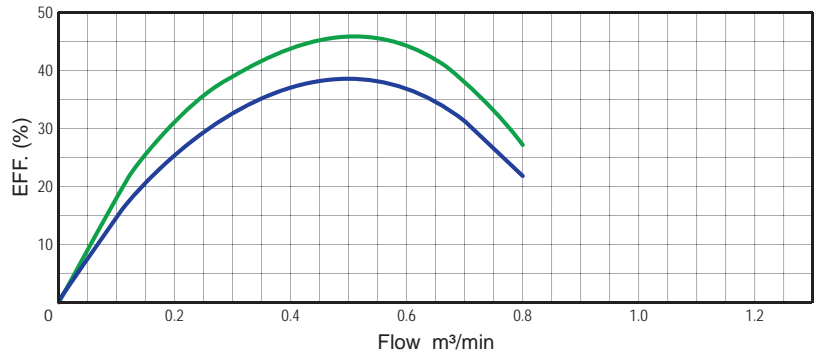
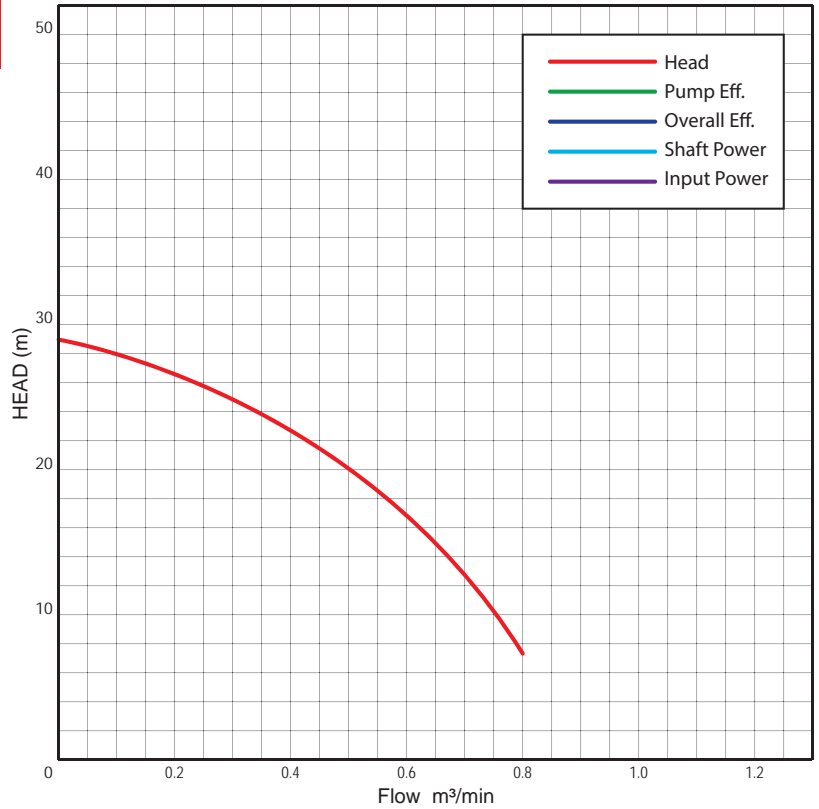
Easy care and maintenance design of the wet end makes it possible for very fast maintenance and repairs of the impeller and suction cover even underground in most cases.



# EH-85X



LOW WATER LEVEL | 150mm  
PUMP WEIGHT | 80kg (dry, excluding cable)



DENOMINATION	
Model	EH-85X
Installation	Portable, free standing
Discharge connection	80mm
Impeller characteristics	Single open, low head (LH)

PROCESS DATA	
Liquid temperature	0 – 40°C
Depth of immersion	20m max
Liquid density	1,100kg/m³ max
Strainer hole dimension	8mm
pH of pumped liquid	6-11pH

MOTOR DATA	
Frequency	50Hz
Insulation class	E
Rated voltage / phase	1000v / 3Ph
Power	3.7kW
Speed	2980rpm
Rated current	3.1A
Starting current	23A
Cable type	6mm² x 10mts

SHAFT SEALS	
Upper seal	NBR oil seal
Lower seal	Sic / Sic / NBR Mechanical seal

MATERIALS	
Pump casing	FC250 Cast iron
Impeller	High chrome iron
Suction cover	FC250 Cast iron
Motor housing	FC250 Cast iron
Strainer	Mild steel
Shaft	S35C Carbon steel
O-rings	Buna-N Rubber
Gaskets	Fibre reinforced rubber
Discharge connection	FC250 Cast iron
Fasteners	SUS304 Stainless steel