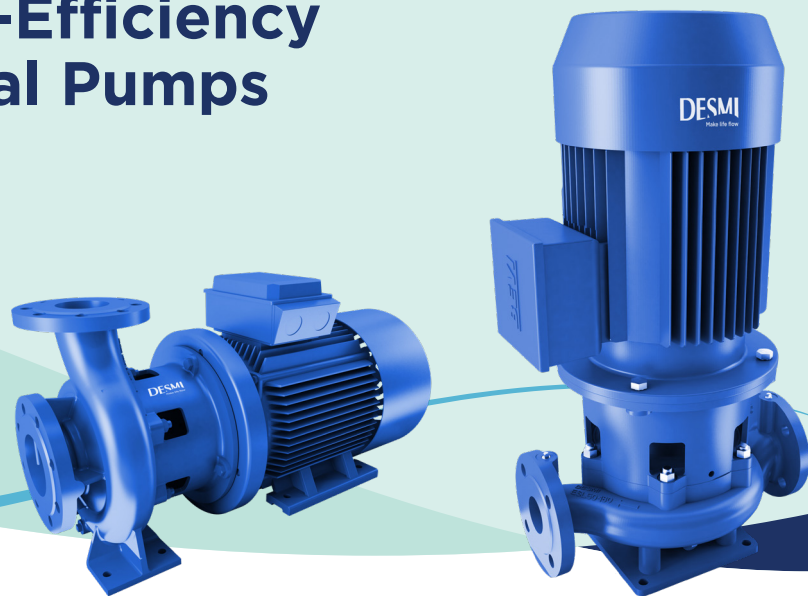


ESL/ESLH – High-Efficiency In-Line Centrifugal Pumps

Vertical & Horizontal Installation



DESMI ESL/ESLH centrifugal pumps are engineered for specialized applications across a wide range of industries, offering:

- High efficiency
- Low NPSH
- Low maintenance costs
- High configuration flexibility
- Easy installation and serviceability
- Compact design

The ESL/ESLH pumps provide reliable performance and are tailored to meet the demanding needs of various environments, ensuring optimal functionality with minimal operational cost.

ESL In-line Pumps with Ø180 or Ø190 Impeller

The suction and discharge flanges have identical dimensions, with the inlet and outlet aligned flush along the center line of the shaft. Each pump is equipped with one impeller wear ring.

ESLH Pumps with Ø 180 or Ø190 Impeller

The dimension of the suction flange is larger than that of the discharge flange. The line through inlet and outlet is flush with the centre line of the shaft. The pumps are equipped with two impeller wear rings.

Monobloc Without Bearings

A robust pump designed for clean liquids. Its compact construction integrates the rear cover as part of the motor bracket. Rotating parts can be dismantled without removing the pump casing from the piping.

DESMI ESL/ESLH Pumps – Design Features

DESMI ESL/ESLH pumps are single-stage centrifugal pumps designed with flanges and motor dimensions built to international standards. They are engineered for easy maintenance, with access to all rotating parts without the need to remove the pump from the piping.

Each pump is fitted with a high-quality mechanical shaft seal to ensure long service life and minimal energy loss. Impellers with double-curved blades provide high efficiency and low NPSH values. Additionally, pumps can be equipped with air or electrically driven priming devices, depending on the application.

Application Areas:

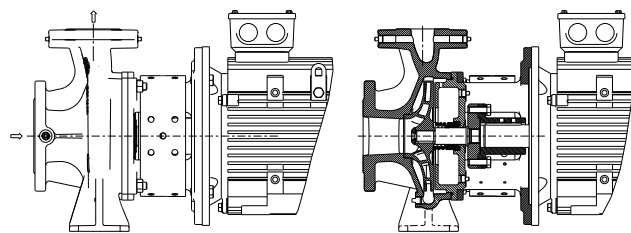
- Hot and fresh water circulation
- HVAC and refrigeration systems
- Hydrophore and cooling water
- Seawater, brine, and water with additives
- Process water

Normal Diameter (DN)	25 to 100
Flow rate - 50 Hz	Up to 200 m ³ /h (880 US gpm)
Flow rate - 60 Hz	Up to 250 m ³ /h (1100 US gpm)
Head	Up to 65 m (220 ft)
Pressure	Up to 30 bar (435 psi)
Temperature	Up to 140°C (284°F)
Motor	Standard and Ex motor
VFD	Direct or Bulhead/Wall-mounted
ATEX approved per request	

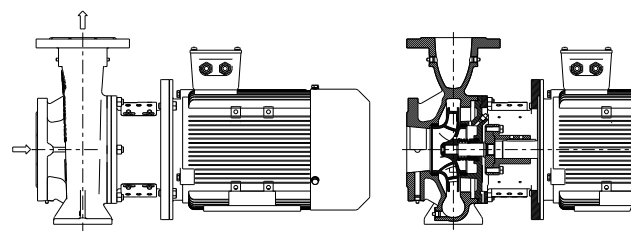
Material specification

The pumps are available in a range of materials, including ductile iron, bronze, NiAl-bronze, and super duplex stainless steel, to suit various applications.

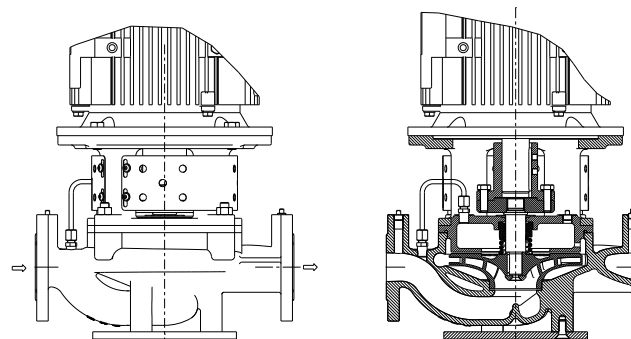
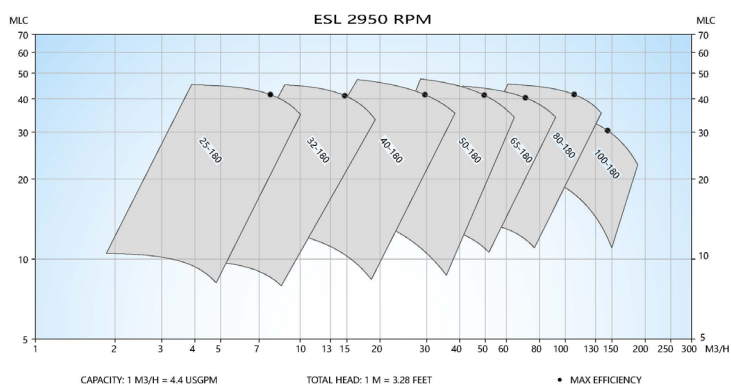
Materials	A	D	S
Pump casing	Cast Iron (GG20)	Bronze (RG5)	Super Duplex St. steel (1.4410)
Impeller	Bronze (RG10)	Bronze (RG10)	Super Duplex St. steel (1.4410)
Sealing ring	Bronze (RG10)	Bronze (RG10)	Super Duplex St. steel (1.4410)
Rear cover	Cast iron (GG20)	Bronze (RG10)	Super Duplex St. steel (1.4410)
Shaft	Super Duplex St. steel (1.4460)	Super Duplex St. steel (1.4460)	Super Duplex St. steel (1.4410)
Shaft seal	Mechanical	Mechanical	Mechanical



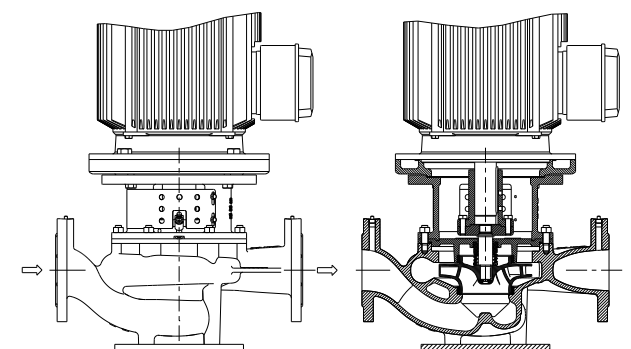
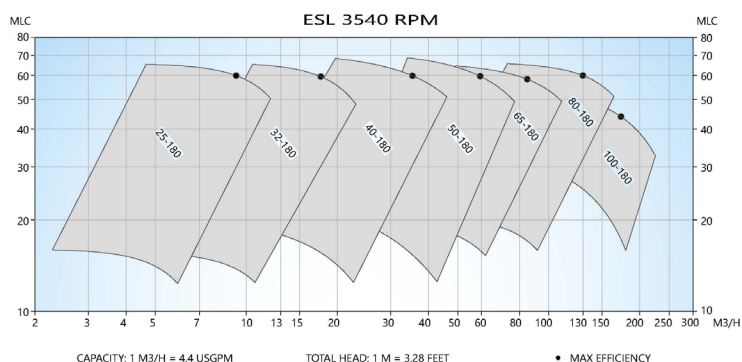
ESL 25-32-40-50



ESLH 65-80-100



ESL 25-32-40-50



ESL 65-80-100