

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

Inline pump with identical suction and discharge flange dimensions. The line through inlet and outlet is flush with the centre line of the shaft.

ESLH Pumps with Ø 180 or Ø190 Impeller

End suction pump with suction flange one dimension larger than discharge flange. The inlet and outlet centerline are perpendicular and flush with the centre line of the shaft.

Monobloc Without Bearings

A robust pump designed for clean liquids with compact construction. 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.

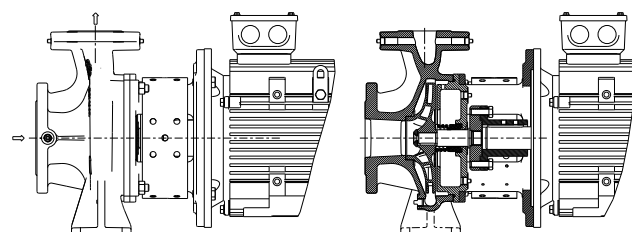
Application Areas:

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

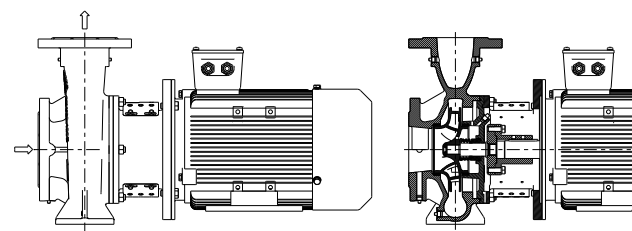
Normal Diameter (DN)	25 to 100
Flow rate - 50 Hz	Up to 200 m ³ /h (880 US gpm)
Flow rate - 60 Hz	Up to 250 m ³ /h (1100 US gpm)
Head	Up to 65 m (220 ft)
Pressure	Up to 16 bar (232 psi)
Temperature	Up to 140°C (284°F)
Motor	Standard and Ex motor
VFD	Direct or Bulhead/Wall-mounted
ATEX approved per request	

Material specification

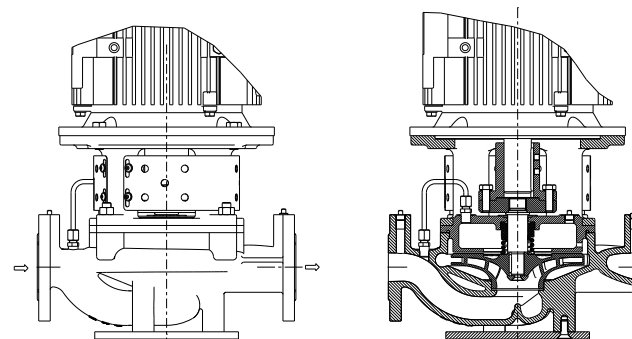
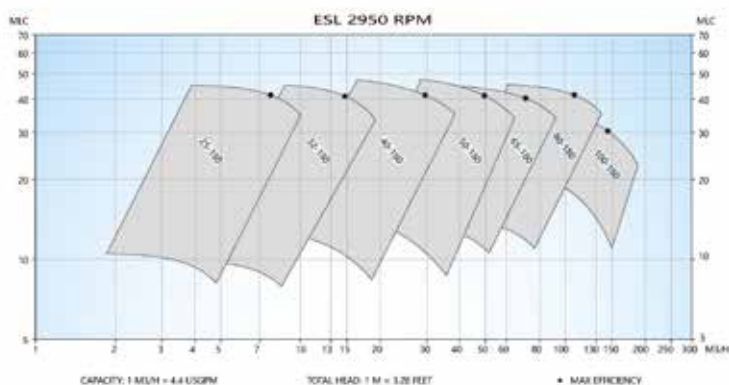
Materials	A	D	S
Pump casing	Cast Iron	Bronze	Super Duplex St. steel
Impeller	Bronze	Bronze	Super Duplex St. steel
Sealing ring	Bronze	Bronze	Super Duplex St. steel
Rear cover	Cast iron	Bronze	Super Duplex St. steel
Shaft	Super Duplex St. steel	Super Duplex St. steel	Super Duplex St. steel
Shaft seal	Mechanical	Mechanical	Mechanical



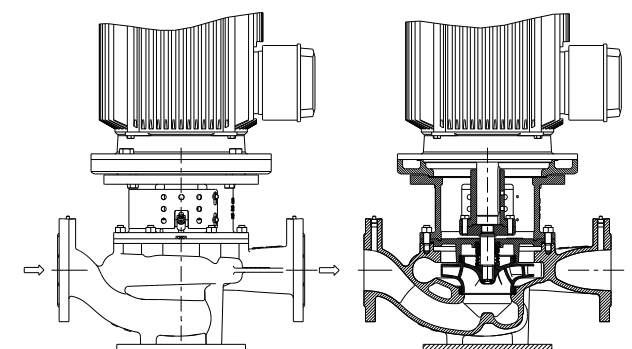
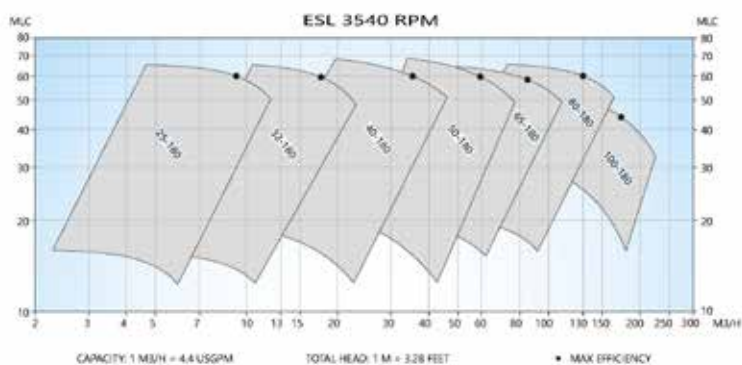
ESLH 25-32-40-50



ESLH 65-80-100



ESL 25-32-40-50



ESL 65-80-100

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