ESL

High-Efficiency In-Line Centrifugal Pumps

Vertically & Horizontally installed

DESMI ESL In-Line Centrifugal Pump is designed for special Utility/District Energy applications in regards to:

- Low maintenance costs
- High efficiency
- Low NPSH
- High configuration flexibility
- Installation and service friendly

ESL - Inline centrifugal pump	
Nominal diameter (DN)	25 to 80
Flow rate	Up to 160 m^3/h (660 US gpm)
Head	Up to 65 m (210 ft)
Pressure	Up to 30 bar (435 psi)
Temperature	Up to 150°C (302°F)
Applications: Hot water circulation, smaller HVAC & diesel transfer up to 500 cSt.	

Construction

ESL pumps are single-stage centrifugal pumps with connecting flanges according to international standards. Further the pumps can be fitted with electric motors with flange dimensions also according to all international standards.

The pumps have been constructed in such a way that access to all rotating parts takes place without having to remove the pump from the piping.

All ESL pumps are equipped with mechanical shaft seal for maximum life and minimum friction loss.

The pump can be equipped with an air-driven or electric driven priming device.

The impellers, of which are with double curved blades, ensure high efficiencies and low NPSH-values.

A variety of applications within District Energy and Utility services

- Hot water circulation
- Fresh water circulation
- Refrigeration
- HVAC
- Hydrophore pump
- Cooling water

For more information on Utility/District Energy solutions, please visit www.desmi.com

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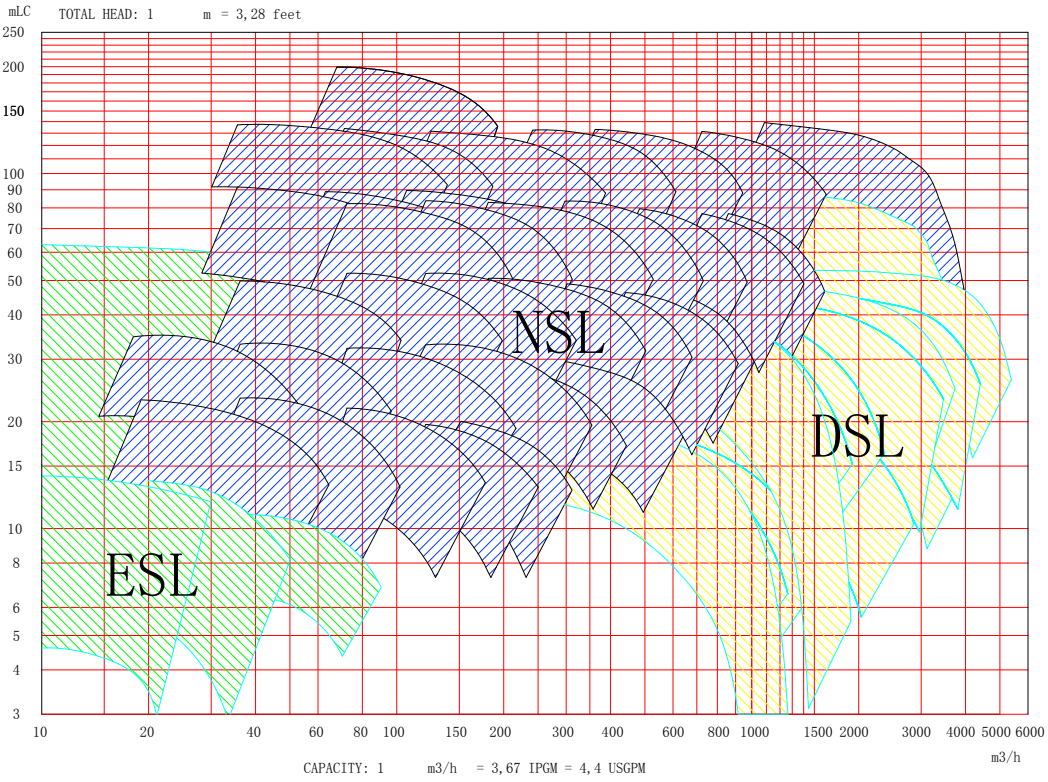
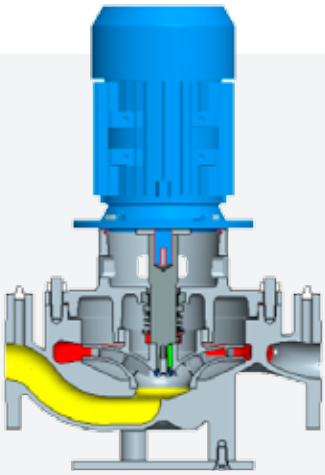
Standard Material Specifications	
Pump casing	Cast Iron
Impeller	NiAl-Bronze
Sealing ring	NiAl-Bronze
Rear cover	Cast Iron
Shaft	Stainless Steel
Shaft seal	Mechanical

Alternative material combinations are available

Alternative materials include:

Cast Iron, Ductile Iron, Bronze, NiAl-Bronze, Stainless Steel, Super Duplex Stainless Steel





Monobloc without bearings:

A sturdy standard pump for pure liquids.
Compact design because the rear cover is part of the motor bracket.
Dismantling of rotating parts is possible without removing the pump casing from the piping.
The ESL in-line pump can be mounted horizontally upon request.