

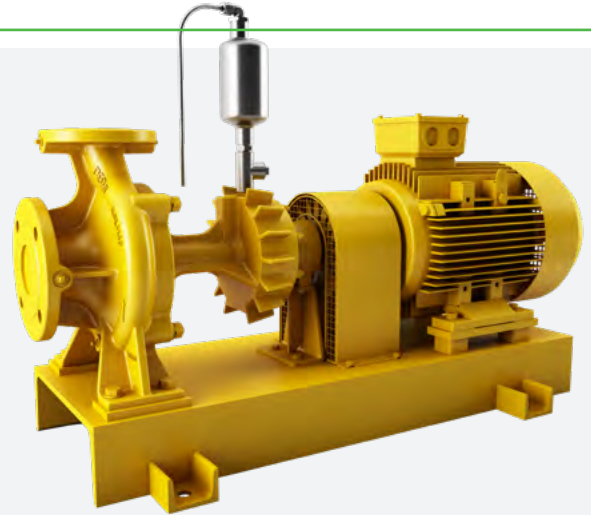
ESLHT

DESMI ESLHT horizontal end suction centrifugal pump designed for high media temperatures for boiler water application and district heating applications up to 180° C.

ESLHT is a high efficiency and compact designed centrifugal pump. The pump is developed for high temperature liquid transportation and circulation in marine and offshore market, mainly, e.g., marine boiler water circulation, hot water supply or other heat transfer applications.

The pump and its prime mover are mounted on a common base plate by the manufacturer before shipment for easy installation on site.

Various pump materials are available as flexible customized solutions.



Concept Features

- Duplex stainless steel shaft.
- Closed impeller design to achieve high efficiency even in small capacity pumps.
- Carbon sleeve bearing as main bearing to obtain optimal performance in self-lubrication and heat resistance.
- Balanced mechanical shaft seal to increase sealing reliability by its less seal face wear / heat development.
- Separate shaft seal chamber with cooling fins located away from main pump casing to protect shaft seals from heat transfer.
- Back pull design without disturbing pump casings and external pipes during maintenance.
- Automatic air vent valve on top of shaft seal chamber to prevent dry run and/or overheating seal.
- Air fan on flexible coupling for cooling of bearing and shaft seal arrangement.

Application areas

- High temperature water circulation.
- District heating purposes.

Norminal Diameter (DN)	25 to 65
Flow rate - 50 Hz	Up to 100 m ³ /h (440 US gpm)
Flow rate - 60 Hz	Up to 120 m ³ /h (530 US gpm)
Head	Up to 65m (220 ft)
Pressure	Up to 30 bar (435 psi)
Temperature	Up to 180°C (356 °F)
Motor	Standard and Ex motor
VFD	Direct or Bulkead/Wall-mounted

Applications:
High temperatures water circulation e.g., marine boiler water circulation, hot water supply or other heat transfer applications.