

## Vertical In-line Double Suction Centrifugal Pump DSL

The DSL pumps are high capacity pumps.

**Up to 5400 m<sup>3</sup>/h, pressure up to 90 mLC at 60 Hz**

The DSL pumps are single-stage, double-suction, vertical, centrifugal pumps. The design of the suction side provides for a perfect flow, and the inlet is placed in line with the outlet. Add to this the advanced double-suction impeller and the result is high efficiency and low NPSH-values.

### Application

Ballast and cooling water pumping are among the many tasks that the DSL pumps solve to perfection. But also district heating and power plants together with many other industries will profit from using DSL pumps.



The pumps are fitted with bearings and mechanical shaft seal at both top and bottom. This gives a robust construction, designed for trouble-free continuous duty. The pumps are radially split. In spacer design, service including replacement of bearings and mechanical shaft seal, can be carried out without removing motor and piping. Significant advantages to the benefit of the service personnel. Furthermore, it is possible to supply the pump with a separate priming pumps or ejector.

50 Hz:	60 Hz:
Pressure range: 3-35 mLC - 9-115 ft	Pressure range: 4-55 mLC - 12-180 ft
Capacity range: 250-4000 m <sup>3</sup> /h 1100-17611 US gpm	Capacity range: 350-5400 m <sup>3</sup> /h 1500-23800 US gpm
Temperature range: With standard mech. shaft seal max. 80°C - 176°F. With special mech. shaft seal max. 120°C - 248°F.	

### Materials

Alternative material combinations such as stainless steel impeller are available. Maximum working temperature is 120°C for the standard model. For higher temperatures, please contact DESMI. Detailed installation and operation instructions are supplied together with the pump.

Material specification	A	D
Pump casing	Cast iron	Bronze
Impeller	NiAl-bronze	NiAl-bronze
Wear ring	NiAl-bronze	NiAl-bronze
Shaft seal cover	Cast iron	Bronze
Shaft	Stainless	Stainless
Shaft seal	Mechanical	Mechanical

