

DSL

Vertical In-line Double Suction Centrifugal Pump DSL

The DSL pumps are high capacity pumps. Up to 4000 m³/h, pressure up to 40 mLC

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.



DSL pump mounted with a pressure gauge panel. Furthermore, it is possible to supply the pump with a separate priming pump or ejector.



50 Hz:	60 Hz:
Pressure range: 2-30 mLC - 6-100 ft	Pressure range: 4-45 mLC - 12-150 ft
Capacity range: 300-3500 m ³ /h 1300-15000 US gpm	Capacity range: 350-4400 m ³ /h 1500-19000 US gpm
Temperature range: With standard mech. shaft seal max. 80oC - 176°F. With special mech. shaft seal max. 120oC - 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

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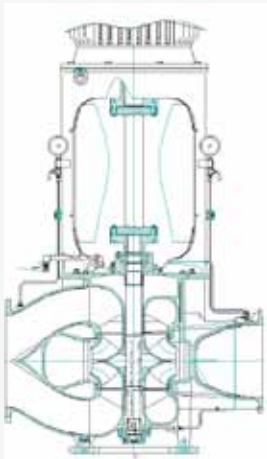
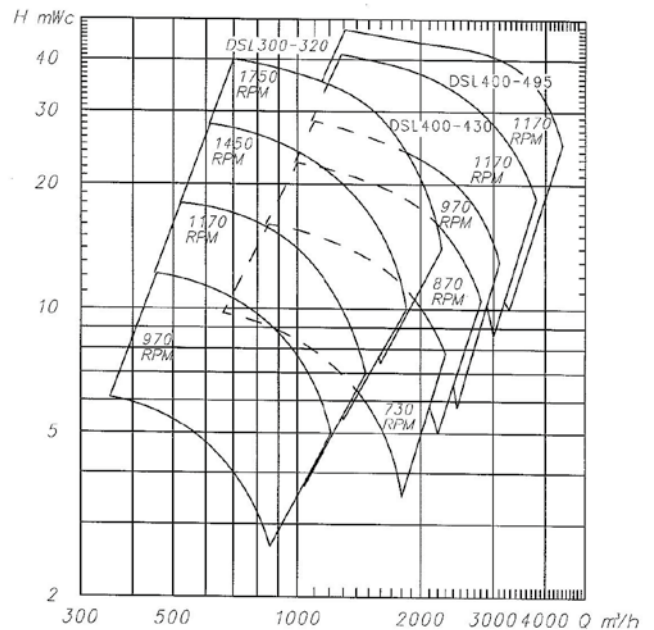
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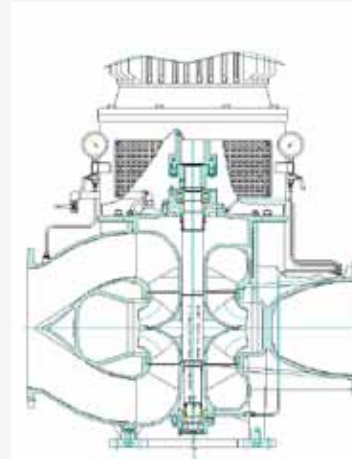
Production Technology

The construction of the DSL is based on CAD and CAM, and it has been elaborated to make maximum use of the newest CNC processing technology. The outcome is pumps with specific and uniform tolerances, pumps with well-defined performances, at an absolutely attractive price.

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.



Spacer	Lenght:	Center Height:	Height:
DSL 400 - 430	1400 mm	500 mm	2100 mm
DSL 300 - 320	1100 mm	400 mm	1500 mm
DSL 400 - 495	1400 mm	500 mm	2100 mm



Compact	Lenght:	Center Height:	Height:
DSL 400 - 430	1400 mm	500 mm	1400 mm
DSL 300 - 320	1100 mm	400 mm	1100 mm
DSL 400 - 495	1400 mm	500 mm	1400 mm