

# DSL

## Vertical In-line Double Suction Centrifugal Pump DSL

The DSL pumps are high efficiency pumps in a cost-effective design used in heavy industries.

### Pump Concept

- Single-stage, double-suction, vertical, centrifugal pumps
- The design of the suction side provides for a perfect flow
- The inlet is placed in line with the outlet
- Advanced double-suction impeller
- High efficiency
- Low NPSH values
- Up to 4,000 m<sup>3</sup>/h, pressure up to 90 mLC



Nominal diameter (DN)	150 to 500
Flow rate	Up to 5400 m <sup>3</sup> /h (23800 US gpm)
Head	Up to 90 m (295 ft.)
Pressure	Up to 25 bar (363 psi)
Temperature	Up to 150°C (302°F)
Motor	Standard and EX motors
VFD	Wall-mounted
Applications: Water with additives and seawater.	

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

### 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.

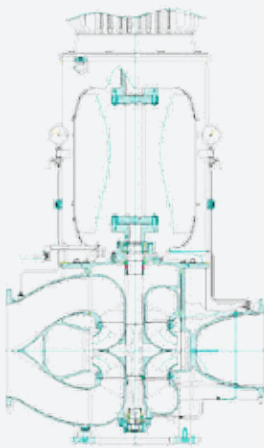
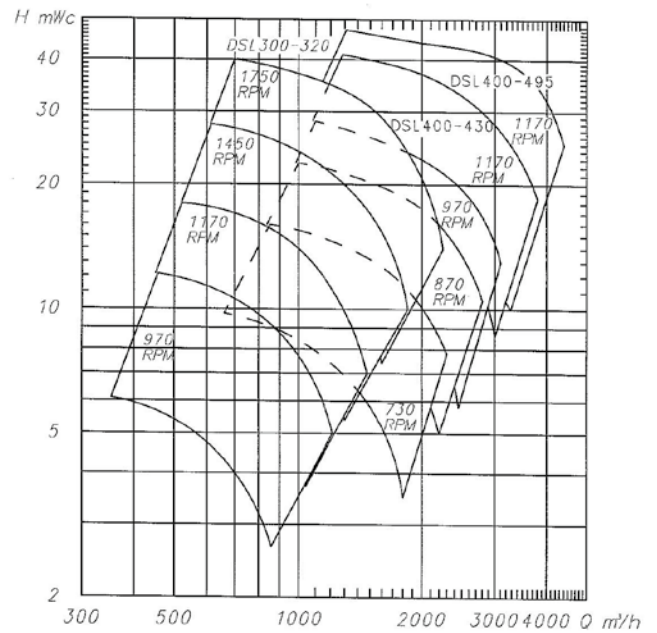
### Applications

- Industry water transport or circulation
- Distribution pumps for cooling towers

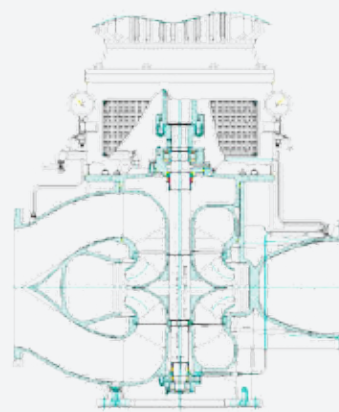
## Production Technology

The design of the DSL is based on CAD and CAM and on making 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 design 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	Length	Centre 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	Length	Centre 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