

# Double Suction Vertical In-line Centrifugal Pump DSL



**DESMI**

# DSL



*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:**

*Pressure range:*

*2-30 mLC ~ 6-100 ft*

*Capacity range:*

*300-3500 m<sup>3</sup>/h ~ 1300-15000 US gpm*

## **60 Hz:**

*Pressure range:*

*4-45 mLC ~ 12-150 ft*

*Capacity range:*

*350-4400 m<sup>3</sup>/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.*

## **The DSL pumps are high capacity pumps. Up to 4000 m<sup>3</sup>/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.

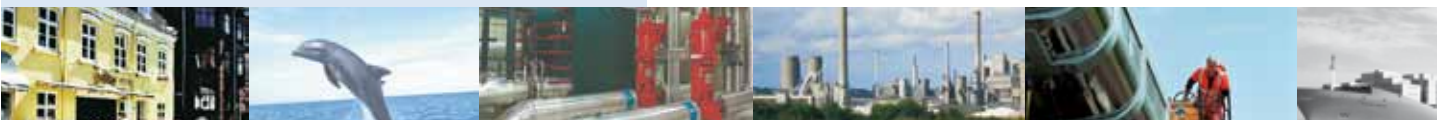
## **Materials**

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.

<b>Material specification</b>	<b>A</b>	<b>D</b>
Pump casing	Cast iron	Bronze
Impeller	Bronze	NiAl-bronze
Sealing ring	Bronze	NiAl-bronze
Shaft	Stainless steel	Stainless steel
Shaft seal	Mechanical Carbon/ceramics	Mechanical Carbon/ceramics



# DSL

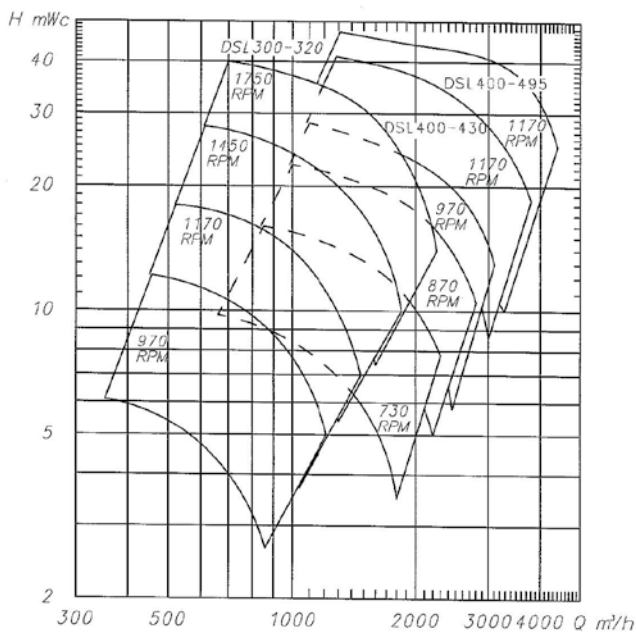
## Production Technology

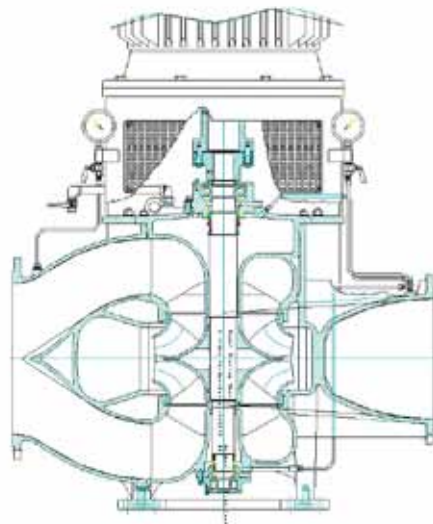
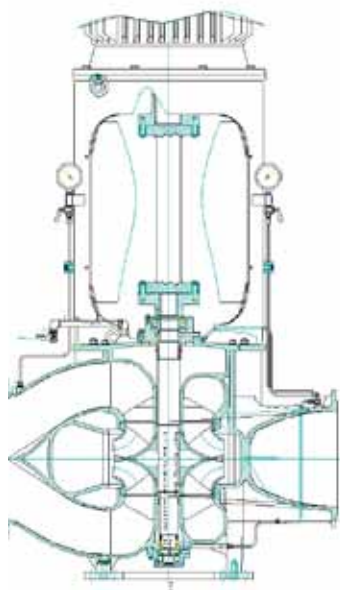
The construction of the DSL is based on CAD and CAM, and it has been elaborated to make maximum use of the newest CNC processing technology. The outcome is pumps with specific and uniform tolerances, pumps with well-defined performances, at an absolutely attractive price.

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.

The DSL-series completes the product range with these high-capacity pumps which enable us to comply with future's demands. This is a natural extension of a product range that also includes self-priming and minor in-line pumps.

With the DSL pumps DESMI extend the pump range within the area of large pump capacities, and thus we are prepared for the challenges of the coming decades. Just as in the eighties when DESMI brought to the fore the self-priming and the minor in-line pumps.





Spacer			
DSL 400 - 430	700	500	1600
DSL 300 - 320	550	400	1106

Compact			
DSL 400 - 430	700	500	901
DSL 300 - 320	550	400	676



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