

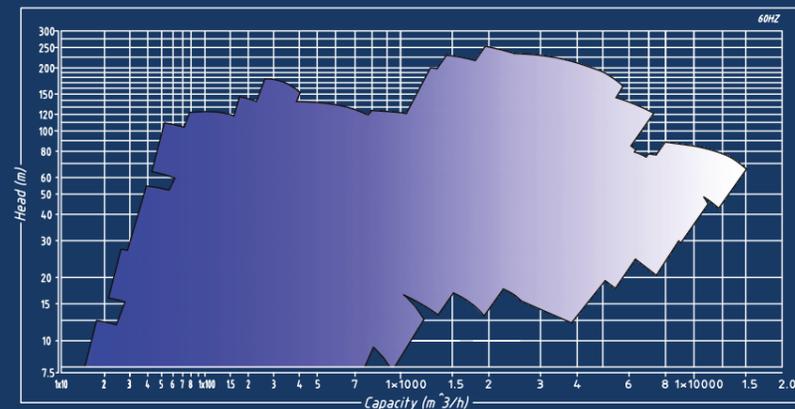
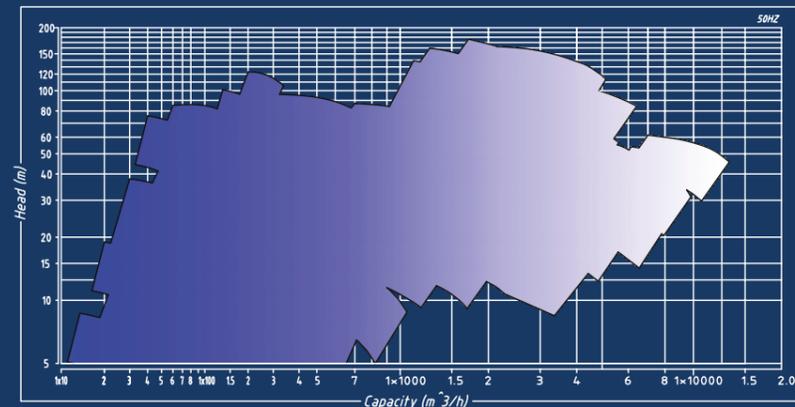
LS PUMP DATA

PUMP CONFIGURATIONS

	Standard configuration	Optional configuration
Pump casing	Cast iron	Ductile cast iron / Stainless steel
Impeller	Stainless steel	Bronze / Duplex stainless steel
Shaft	Stainless steel	Duplex stainless steel
Sleeve	Non-Sleeve version	Stainless Steel/Bronze
Wear ring	Bronze	Brass/Cast Iron/Stainless
Shaft seal	Mechanical shaft seal	Stuffing box
Flushing line	Stainless steel	Bronze / Teflon
Low voltage motor	IE3	IE2, IE4
High voltage motor	6 kV, 10 kV	—
Pump direction of rotation	Clockwise and Counter Clockwise	

LS PUMP DATA

Performance area for the LS Split Case Pumps



Motor power: 1.1 – 2240 kw
 Flow (Q): up to 12,000 m³/h
 Head: 8 - 165 m
 Liquid temperature: 0 - 100° C
 Suction port : DN65 – DN1200
 Discharge port: DN50 - DN800
 Operation pressure: 8bar – 25bar
 Max. hydraulic efficiency: 91.5 %

Variant delivery type

- Bare shaft pump with common base frame
- Bare shaft pump with separate base frame
- Bare shaft pump without base frame



GRUNDFOS LS/LSV SPLIT CASE PUMPS

INCREASED PUMP PERFORMANCE AND SYSTEM EFFICIENCY

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LS/LSV SPLIT CASE PUMPS

INTRODUCTION

HIGH EFFICIENCY SPLIT-CASE PUMPS

GRUNDFOS LS/LSV LONG-COUPLED, HORIZONTAL SPLIT-CASE, DOUBLE SUCTION PUMPS, ARE SINGLE-STAGE, NON-SELF-PRIMING, CENTRIFUGAL VOLUTE PUMPS.

The LS/LSV pumps are designed for three segments applications and manufactured according to the highest Grundfos quality standards. These high efficiency pumps have a wide efficiency range and very low NPSHr, which ensures safe and economic operation even when the actual flow deviates from the designed duty point.

APPLICATIONS

BUILDING SYSTEM:

- AIR CONDITIONING
- HEATING SYSTEMS
- CHILLED WATER SYSTEM
- WATER CONDENSING SYSTEM
- COOLING TOWERS
- DISTRICT ENERGY



INDUSTRY:

- INDUSTRIAL PROCESS SYSTEM
- INDUSTRIAL HEATING
- BOILER FEED SYSTEM
- INDUSTRIAL CONDENSING SYSTEM
- SEAWATER DESALINATION



WATER SUPPLY:

- WATER INTAKE
- WATER BOOSTING
- WATER TRANSPORTATION
- BACKWASHING
- IRRIGATION



QUALITY DESIGN AND VERSATILE

Grundfos LS/LSV pumps are in-line design with a radial suction port and radial discharge port. The flanges are in accordance with DIN standard. Pump performance is in accordance with ISO9906 G2.

High efficiency

LS/LSV pumps have a very high efficiency, not only at the rated flow but also within a wide flow range. The pump retains high efficiency even when the actual flow deviates by +/-20% of rated flow. The feature enables the system to operate at high efficiency when pumps have to operate in parallel, which fits precisely the specific application at the different segments, variable duty points and wide demands for flow range.

Double volute design

The compensated double-volute design virtually eliminates radial forces on the shaft and ensures smooth performance throughout the entire operating range.

Low NPSHr

NPSHr of the LS/LSV pumps at rated point is about 5m and this fits most customer demands. In addition, Grundfos provides customised solutions for special requirements.



LSV

