

LSH SERIES

Swimming Pool Pumps 50 Hz



PUMPS • MOTORS
ISO 9001 Company



Pumping Solution

INTRODUCTION

The Lubi **LSH** pumps are horizontal, closed-coupled, single-stage, centrifugal, self priming pumps.

Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.

These pumps are available from 0.55 to 2.20 kW for single phase and 2.20 to 7.50 kW for three phase power supply.

The pumps have suction port above pump axis and radial discharge port.

The pumps are equipped with a removable basket filter which protects the pump against possibly impurities in the water

These pumps are made of high-quality, corrosion & sand erosion resistant composite material which gives a longer pump life.

The pump is fitted with a mechanical shaft seal.

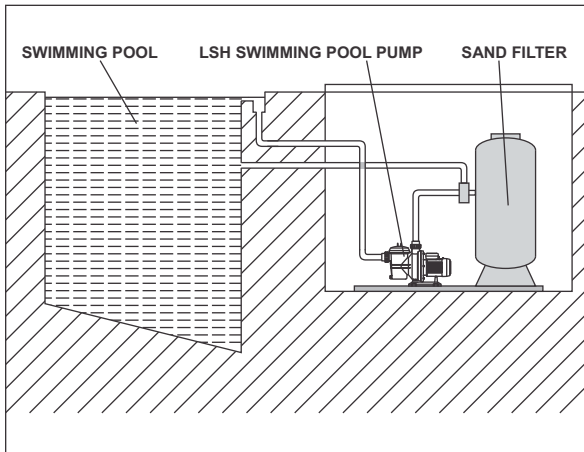


FIG.1 TYPICAL LSH PUMP INSTALLATION SYSTEM LAYOUT

APPLICATIONS

The main application of the LSH pump is recycling and filtering of water in small, medium & large size swimming pools.

The pump incorporates a removable basket filter to filter out leaves, twigs & other large solids. Therefore these pump must be installed between the skimmer & the pool filter.

These pump are designed for pumping pool water being disinfected by chlorine.

FEATURES AND BENEFITS

- Complete range of pumps
- Compact design
- Easy installation & easy to operate
- Reliable operation
- Corrosion resistant materials
- Stainless steel AISI 304 shaft
- Quiet running
- Built-in motor protection
- Self priming down to 2 m
- Built-in suction strainer
- CE marked
- No need for special service tools
- Quick & easy to repair.

OPERATING CONDITIONS

Flow range	: Up to 150 m ³ /h
Head range	: Up to 21 metres
Ambient temperature	: Max. +55°C
Liquid temperature range:	0°C to +45°C
Max. permissible operating pressure	: 3 bar
Maximum inlet pressure	: The actual inlet pressure + pressure when the pump is running against closed valve must always be lower than the max. permissible operating pressure
Minimum inlet pressure	: Suction lift max. 3 metres Self priming max. 2 metres.

MOTOR

Motor type	: TEFC 2-pole motor
Ratings	: 1 phase - 0.55 to 2.20 kW 3 phase - 2.20 to 7.50 kW
Rated speed	: 2900 rpm
Enclosure class	: IP 55
Insulation class	: F
Nominal voltage	: 1 phase 220-240 V 3 phase 380-415 V
Supply frequency	: 50 Hz
Sound pressure level	: <70 dB(A)
Duty / Rating	: S1 / Continuous
Direction of rotation:	Clockwise as seen from the motor rear end

PUMPED LIQUIDS

These pumps are designed especially for swimming pool water which may contain chemicals usually used for disinfection and algae control.

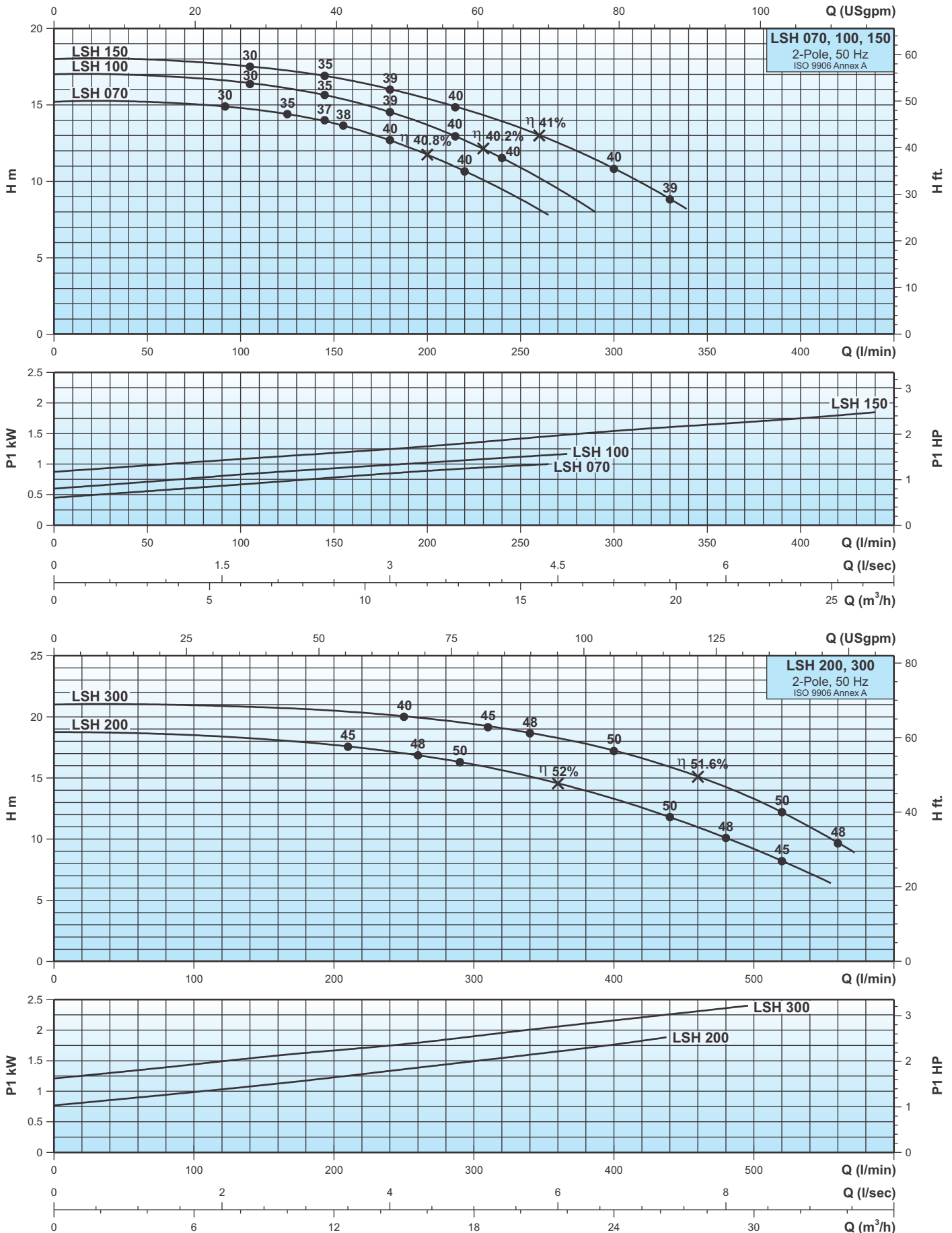
MATERIAL OF CONSTRUCTION

COMPONENT	MATERIAL
Pump body	Glass reinforced polypropylene
Pump base	Glass reinforced polypropylene
Diffuser	Glass reinforced polypropylene
Impeller	Glass reinforced Noryl
Seal mounting	Glass reinforced polyamide
Motor shaft	Stainless steel AISI 304
Mechanical shaft seal	Graphite and steatite Graphite/ceramic (LSH 503, 553, 753, 1003)

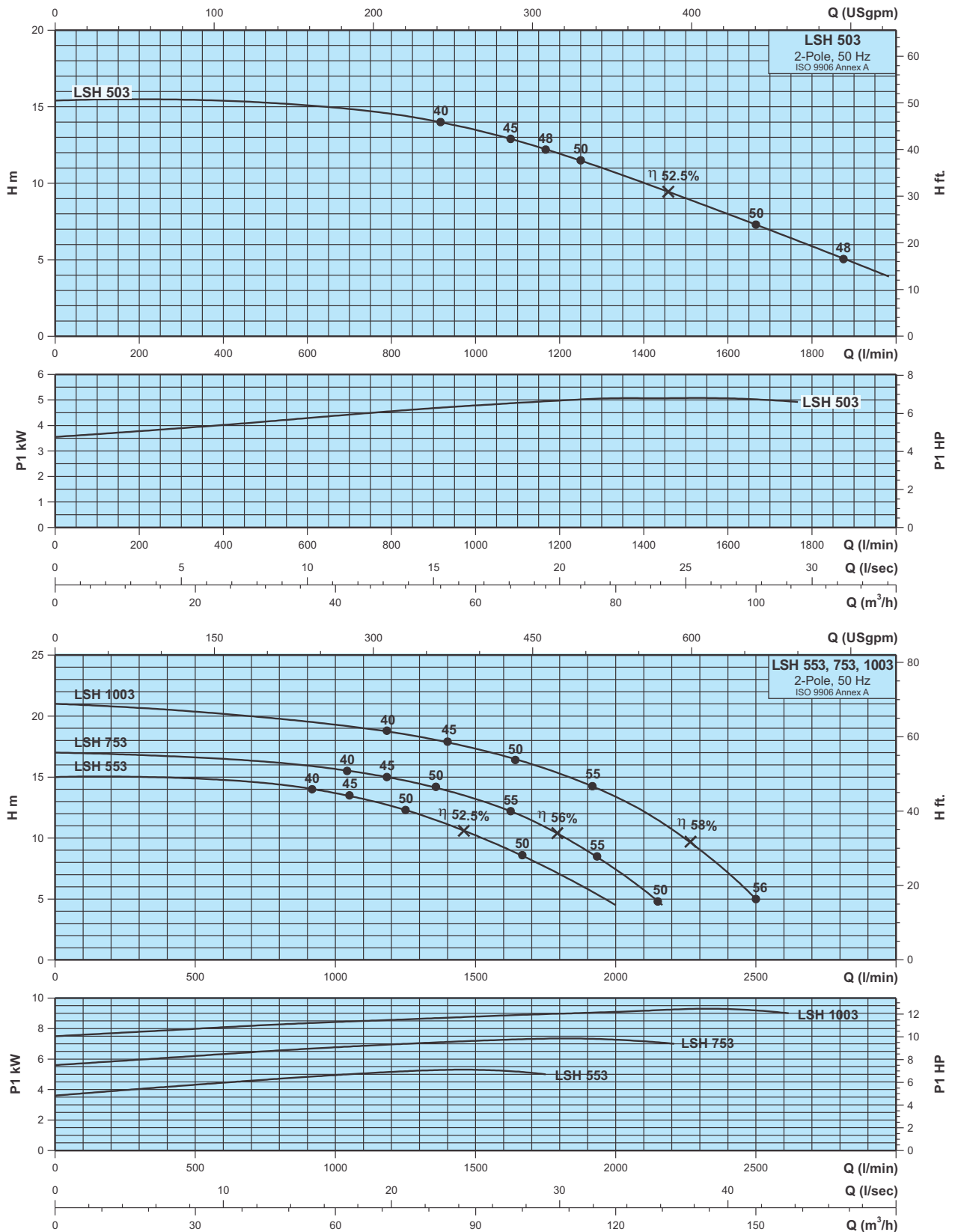
TECHNICAL DATA

PUMP TYPE	MOTOR POWER		SUCTION SIZE		DISCHARGE SIZE	
	kW	HP	mm	inch	mm	inch
LSH 070	0.55	0.75	50	2	50	2
LSH 100	0.75	1.00	50	2	50	2
LSH 150	1.10	1.50	50	2	50	2
LSH 200	1.50	2.00	63	2½	63	2½
LSH 300	2.20	3.00	63	2½	63	2½
LSH 503	3.70	5.00	150	6	100	4
LSH 553	4.00	5.50	110	4	110	4
LSH 753	5.50	7.50	110	4	110	4
LSH 1003	7.50	10.0	110	4	110	4

PERFORMANCE CURVES



PERFORMANCE CURVES



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