

LPD SERIES

Home Pressure Booster Pumps 50 Hz



LPD HOME PRESSURE BOOSTER PUMPS

Lubi

INTRODUCTION

The Lubi **LPD** pumps are pressure booster pumps with a permanent magnet synchronous motor.

The pump casing with suction and discharge connections are in the same plane (in-line) and have the same pipe sizes. This design provides a more compact pump design saving space and easy pipe work.

APPLICATIONS

These pumps are suitable for liquids which are thin, clean, non-aggressive, non-explosive, not containing solid particles or fibers.

- Circulation plants
- Pressure boosting of hot and cold water for domestic use
- Pressure boosting of solar water heater's water supply

FEATURES AND BENEFITS

- Completely automatic
- No leakage
- Silent operation
- Plug & pump
- Long lasting
- Quick to operate
- Excellent performance and economy

OPERATING CONDITIONS

- Flow range : Up to 3.4 m³/h
- Head range : Up to 14 metres
- Ambient temperature : Max. +45°C
- Liquid temperature range: +2°C to +110°C
- Operating pressure : Max. 10 bar
- Maximum Glycol quantity: 40%

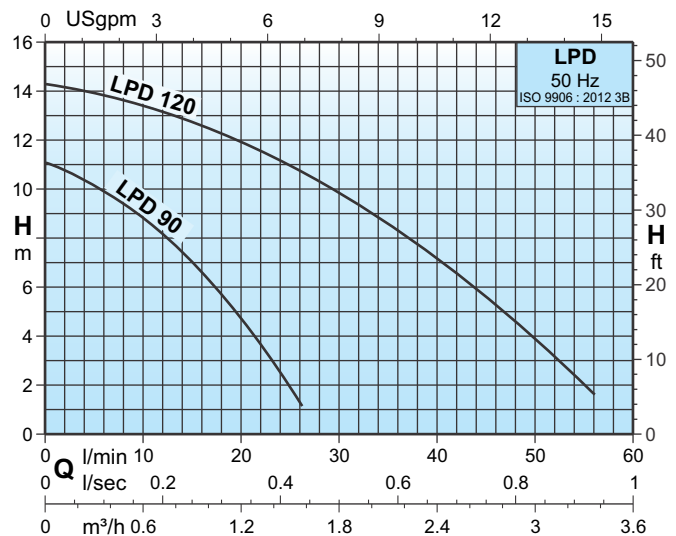
MOTOR

- Motor type : TEFC 2-pole motor
- P₁ : 1 phase - 0.120 and 0.300 kW
- Rated speed : 2900 rpm
- Enclosure class : IP 42
- Insulation class : F
- Nominal voltage : 1 phase 220 V
(Tolerance +5% / -15%)
- Supply frequency : 50 Hz
- Duty / Rating : S1 / Continuous
- Cable length : 1.5 metres
- Direction of rotation : Clockwise as seen from the motor rear end

MATERIAL OF CONSTRUCTION

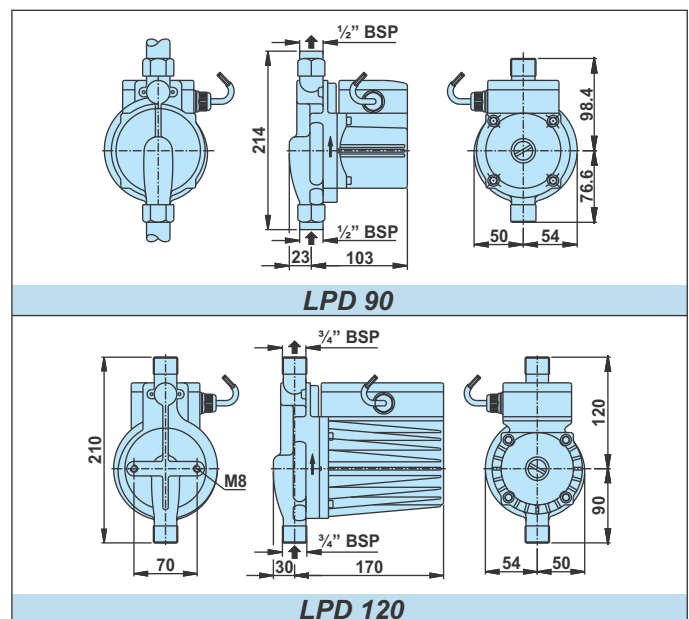
COMPONENT	MATERIAL
Pump body	Cast iron
Impeller	Engineering Plastic
Shaft	Stainless steel/Ceramic
Bearings	Graphite

PERFORMANCE CURVES



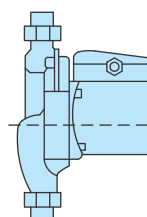
PUMP TYPE	P ₁ W	VOLTAGE [V]	I _{1/1} [A]	RATED FLOW [m³/h]	RATED HEAD [m]	PIPE CONNECTION [BSP]	GROSS WEIGHT [kg]
LPD 90	120	220	0.5	0.8	7.5	1/2"	2.5
LPD 120	300	220	1.2	1.7	10	3/4"	6.3

DIMENSIONS



Note: All dimensions in mm unless otherwise noted.

INSTALLATION



The pump shaft must be in horizontal plane

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ISO 9001



ISO 14001

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