

50 Hz



Construction

- The LSE pumps are vertical, single-stage, submersible pumps.
- Compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free ball bearings & mechanical shaft seal.
- There pumps are suitable for clean non aggressive fluids without solids or abrasive substances.

Applications

LSE pumps are designed for a wide variety of water supply and pressure boosting in:

- Water supply for homes, cottages
- Garden application & Irrigation
- Civil & Industrial application

Operating Conditions

- Flow range : Max. 4.8 m³/h
- Head range : Max. 79 metre
- Ambient temperature : 0°C to +50°C
- Liquid temperature range : 0°C to +40°C
- Installation depth : Max. 20 metre below liquid level
- Nos. of starts/hour : Max. 30 starts
- Operating pressure : Max. 3.5 bar.
- Del. Pipe Size : 32 mm.

Features and benefits

Following are the main features and benefits offered by the LSE pumps.

- Easy & low cost installation
- Long service life
- Stable operation
- Low noise level
- Reliable and robust construction
- Built-in thermal overload motor protection
- Supplied with 40 mtr. cable & control box.

Motor

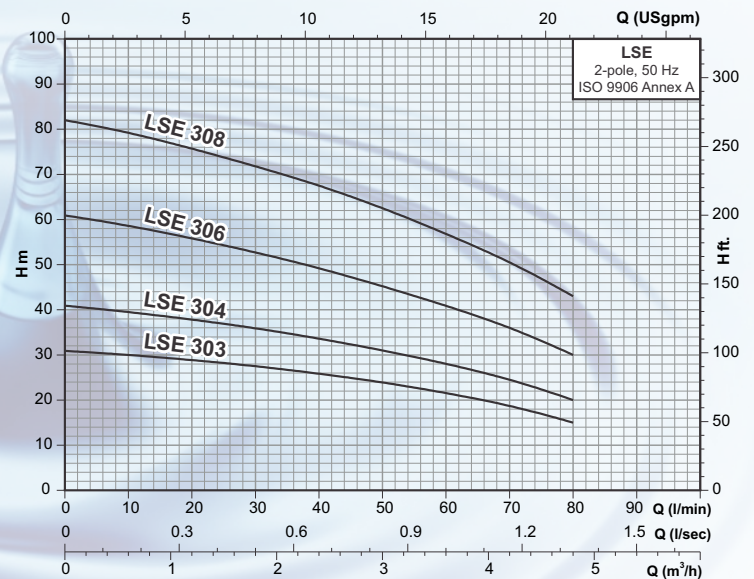
2 pole induction motor placed in the top, inside the pump sleeve, and thus cooled by the pumped liquid.

- Rated speed : 2900 min⁻¹
- Enclosure class : IP 68
- Enclosure class : Class B
- Insulation class : 1 x 230 V, 50 Hz
- Standard voltages : ±6%
- Voltage tolerance

Materials

Pos.	Component	Material
1	Outer Jacket	Stainless Steel
2	Inlet Casting	Bronze
3	Outlet Casting	Bronze
4	Impeller	Noryl
5	Diffuser	Noryl
6	Non Return Valve	Noryl
7	Shaft	Stainless Steel

Performance Curve



Performance data at n = 2900 rpm

Model	Power		Q m ³ /h	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
	[kW]	[HP]									
LSE 303	0.55	0.75	10	10	20	30	40	50	60	70	80
LSE 304	0.75	1.00	10	30	29	28	26	24	22	19	15
LSE 306	1.10	1.50	10	39	38	36	34	31	28	25	20
LSE 308	1.50	2.00	10	59	56	53	49	45	41	36	30
			H mts.	79	76	72	68	63	57	51	43