End-suction Centrifugal Monoblock Pumps
50 Hz
**INTRODUCTION**

The Lubi LBI series are non-self priming, horizontal, single-stage, centrifugal, end-suction pumps.

Pumps are available from 2.2 to 3.7 kW in single-phase and from 1.5 to 11 kW in three-phase power supply.

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

The pump is fitted with a maintenance-free, mechanical shaft seal and single piece pump-motor shaft.

The pumps have axial suction port and radial discharge port.

**APPLICATIONS**

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

For water supply systems and irrigation.

For heating, cooling, air-conditioning and circulation plants.

For civil, industrial and fire fighting applications.

As pressure boosting pump for central water systems with low pressure (follow local specifications if increasing network pressure).

**FEATURES AND BENEFITS**

- Compact design
- Easy and simple installation
- User-friendly operation
- Low noise level
- Reliable and robust construction
- Reliable water supply
- Built-in motor protection, dry running protection
- Back pull-out design which simplifies inspection & maintenance
- CE marked.

**OPERATING CONDITIONS**

<table>
<thead>
<tr>
<th>Flow range</th>
<th>: Up to 156 m³/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head range</td>
<td>: Up to 55 metres</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>: Max. +50°C</td>
</tr>
<tr>
<td>Liquid temperature range</td>
<td>: 0°C to +90°C</td>
</tr>
<tr>
<td>Total suction lift</td>
<td>: Up to 8 metres</td>
</tr>
</tbody>
</table>

**MOTOR**

- Motor type: TEFC 2-pole motor
- Ratings: 1 phase - 2.20 to 3.70 kW
- 3 phase - 1.50 to 11.0 kW
- Rated speed: 2900 rpm
- Enclosure class: IP 55
- Insulation class: F
- Nominal voltage: 1 phase 230 V
- (Tolerance +5% / -15%) 3 phase 400 V
- Supply frequency: 50 Hz
- Duty / Rating: S1 / Continuous
- Direction of rotation: Clockwise as seen from the motor rear end

**PUMPED LIQUIDS**

These pumps are designed for liquids which are potable water, rain water or other than thin, clean, non-aggressive, non-explosive, not containing solid particles or fibres.
LBI END-SUCTION CENTRIFUGAL MONOBLOCK PUMPS PERFORMANCE CURVES

- LBI 35/LBI 45
- LBI 17L/LBI 17H
- LBI 15L/LBI 15H
- LBI 13L/LBI 13H
- LBI 11L/LBI 11H
- LBI 9L/LBI 9H
- LBI 7L/LBI 7H
- LBI 5L/LBI 5H
- LBI 3L/LBI 3H
- LBI 1L/LBI 1H

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>MOTOR POWER</th>
<th>SUCTION SIZE</th>
<th>DISCHARGE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ~ 3 ~</td>
<td>kW</td>
<td>HP</td>
<td></td>
</tr>
<tr>
<td>LBI 105L</td>
<td>2.20</td>
<td>3.00</td>
<td>3&quot; 2½&quot;</td>
</tr>
<tr>
<td>LBI 115L</td>
<td>3.70</td>
<td>5.00</td>
<td>3&quot; 2½&quot;</td>
</tr>
<tr>
<td>LBI 115H</td>
<td>5.50</td>
<td>7.50</td>
<td>3&quot; 2½&quot;</td>
</tr>
<tr>
<td>LBI 24</td>
<td>7.50</td>
<td>10.0</td>
<td>3&quot; 2½&quot;</td>
</tr>
<tr>
<td>LBI 45</td>
<td>9.30</td>
<td>12.5</td>
<td>3&quot; 2½&quot;</td>
</tr>
</tbody>
</table>

Customer Care Number : 9824200800