



天河水务

## LXB 型螺旋泵 TYPE-LXB SCREW PUMP

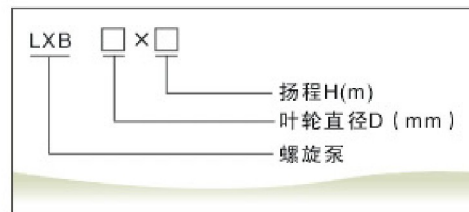
### ● 用途 Applications

螺旋泵主要用于各种给排水泵站，农业灌排，城市排涝等工程，提升回流污泥或带渣质废水，永不堵塞。

Used in all kinds of pump stations for water supply and sewage works, agricultural irrigation, city dewatering and the same engineering, it can lift regurgitant sludge or sewage with cinder, and never plugs.



### ● 型号示例 Type and Its Indication



### ● 特点 Features

1. 流量大、低速、节能、不卡泵、泵站设施简单，结构合理、效率高、安装维修方便。
2. 质量稳定可靠。

1. High flow, low-speed, energy saving, no choking, with a simple but reasonable set of devices in pump station, high-efficiency, and convenient in installation and maintenance.
2. Quality is stable and reliable.

### ● 技术性能 Technical Performance Ratings

| 参数<br>直径<br>D(mm) | 转速<br>(r/min) | 流量<br>(m³/h) | 扬程H与功率对照<br>H(m)<br>0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 | 计算扬程<br>(m) | 基础受力(N) |         |
|-------------------|---------------|--------------|---------------------------------------------------|-------------|---------|---------|
|                   |               |              |                                                   |             | 径向<br>R | 轴向<br>T |
| Φ 300             | 110           | 40           | 1.5kW                                             | 2           | 2000    | 3000    |
| Φ 400             | 84            | 75           | 2.2kW                                             | 2.5         | 3000    | 4000    |
| Φ 500             | 73            | 125          | 3kW                                               | 3           | 5000    | 8500    |
| Φ 600             | 63            | 185          | 5.5kW                                             | 3           | 6500    | 11500   |
| Φ 700             | 63            | 300          | 7.5kW                                             | 3           | 8000    | 15800   |
| Φ 800             | 55            | 385          | 11kW                                              | 3           | 10500   | 20000   |
| Φ 900             | 48            | 480          | 15kW                                              | 3           | 13000   | 25000   |
| Φ 1000            | 48            | 660          | 22kW                                              | 3           | 15000   | 30600   |
| Φ 1100            | 48            | 880          | 30kW                                              | 3           | 17500   | 35500   |
| Φ 1200            | 42            | 1000         | 45kW                                              | 3.5         | 18500   | 37000   |
| Φ 1300            | 42            | 1200         | 55kW                                              | 3.5         | 23000   | 45000   |
| Φ 1400            | 42            | 1600         | 75kW                                              | 3.5         | 27000   | 53000   |
| Φ 1500            | 36            | 2200         | 90kW                                              | 3.5         | 34000   | 71000   |
| Φ 1800            | 34            | 3600         | 110kW                                             | 3.5         | 52000   | 120000  |
| Φ 2000            | 32            | 4300         |                                                   | 4.5         | 115000  | 200000  |

注:

1. 扬程H每250为1个级差，“|”粗实线为最大扬程，超出“|”流量相应减少，特殊订货。
2. 当D≤Φ1200时表中数据均在：a. 安装角30° b. 泵叶头数为2 c. 介质比重γ=1~1.15状态下。
3. 供货产品实际转速与表中略微出入属正常情况。

Notices:

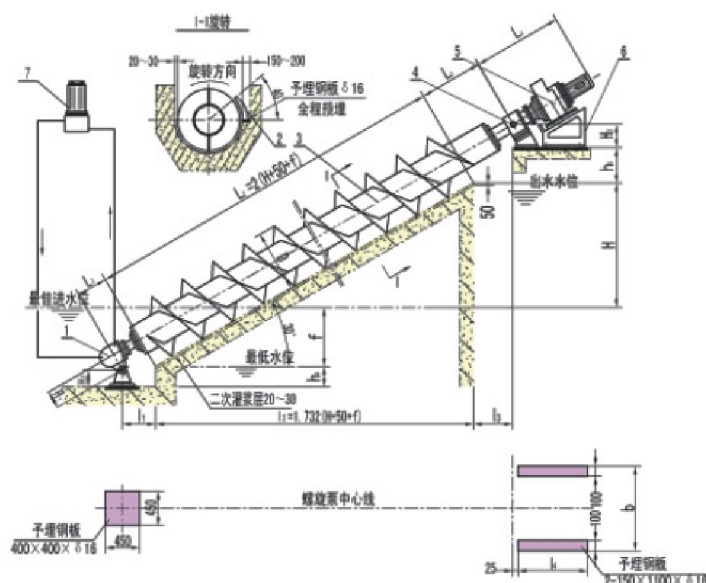
1. The delivery lift H has a grade each 250" | "bold line is the maximum lift, flow decreases when surpassing" | ", special order.
2. When within D≤Φ1200, data in the list is under the state: a. setting angle 30° b. number of blades is 2 c. medium gravity when γ=1~1.15.
3. It is normal when real rotating rate of products differs a little from this List.



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### LXB外形结构 Outlines



1. 下支座
2. 挡水板
3. 泵体
4. 上支座
5. 传动机构
6. 滑轨
7. 润滑泵

1. Lower base
2. Water-proof board
3. Pump body
4. Upper base
5. Drive device
6. Sliding rail
7. Lubricant pump

### 尺寸参数 Size Parameters

| 型号规格    | 尺寸     |     | D   | H <sub>1</sub> | H <sub>2</sub> | H <sub>max</sub> | h <sub>4</sub> | L <sub>1</sub> | f    | L <sub>1</sub> | b    | LXB型           |                |                |                |                |                |
|---------|--------|-----|-----|----------------|----------------|------------------|----------------|----------------|------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|
|         |        |     |     |                |                |                  |                |                |      |                |      | L <sub>3</sub> | L <sub>4</sub> | L <sub>5</sub> | L <sub>6</sub> | H <sub>3</sub> | h <sub>3</sub> |
| LXB300  | Φ 300  | 160 | 90  | 2000           | 324            | 453              | 203            | 380            | 550  | 390            | 809  | 800            | 618            | 809            | 308            | 224            | 181            |
| LXB400  | Φ 400  |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB500  | Φ 500  |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB600  | Φ 600  | 180 | 95  | 3000           | 238            | 495              | 401            | 489            | 550  | 504            | 1096 | 900            | 790            | 1311           | 393            | 355            | 312            |
| LXB700  | Φ 700  |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB800  | Φ 800  |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB900  | Φ 900  | 210 | 100 | 4000           | 173            | 563              | 598            | 608            | 680* | 515            | 1500 | 1100           | 906            | 1540           | 443            | 450            | 450            |
| LXB1000 | Φ 1000 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB1100 | Φ 1100 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB1200 | Φ 1200 | 220 | 125 | 4250           | 121            | 563              | 719            | 658            | 797  | 683            | 1540 | 1100           | 906            | 1540           | 443            | 493            | 493            |
| LXB1400 | Φ 1400 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB1500 | Φ 1500 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB1800 | Φ 1800 | 230 | 107 | 5000           | 0              | 600              | 909            | 755            | 1000 | 823            | 1176 | 1100           | 906            | 1540           | 443            | 493            | 493            |
| LXB1500 | Φ 1500 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |
| LXB1800 | Φ 1800 |     |     |                |                |                  |                |                |      |                |      |                |                |                |                |                |                |

注:

- ① “★” 代表扬程小于2m。
- ② 图表中大写字母代表机体部分, 小写为土建部分。
- ③ 对于同规格非最大扬程, 实际值稍短。
- ④ 水下部分若需镀锌防腐, 订货时注明。
- ⑤ 润滑泵由用户选配。

Notices:

- ① “★” stands for the delivery lift less than 2m.
- ② Capital letters stands for machine bodies. Small ones are for civil works.
- ③ Slightly short to the real number of non-maximum delivery lift under the same specification.
- ④ Parts under water need Zinc coating for anti-corrosion. Please note when you need.
- ⑤ The lubrication pump should be selected by the user.

### 订货说明 Requirements for Order

1. 对照技术性能及工艺要求, 注明型号规格。
2. 对泵体材料 (分碳钢、不锈钢) 及防腐 (镀锌) 有特殊要求应注明, 不注明表示按碳钢普通防腐订货。
3. 电控箱、润滑泵、一 (二) 次预埋件、挡水板等配套设施 (或配套件) 应另外定货。
4. 对转速、扬程、头数等特殊要求或水中含砂等情况, 可提出要求, 另索资料, 商量订货。
5. 介质温度 -5 ~ +35 度, 冰厚 ≤ 4mm。

1. Note type and specification according to technical parameters combined with process requirements.
2. Note it when there are special requirements in material of pump body (carbon steel, stainless steel) and anticorrosion (spray zinc), considering carbon steel with normal anticorrosion when without note.
3. Electric cabinet, the Lubrication pump, primary (second) embedded parts, splash plates and other auxiliary facilities (parts) should be ordered extra.
4. If there are special requirements such as rotational speed, delivery lift, number of spiral and sand-carrying water etc. please note it, as for extra date and place consulting order.
5. Medium temperature. -5 ~ +35°C, Ice thickness ≤ 4mm.