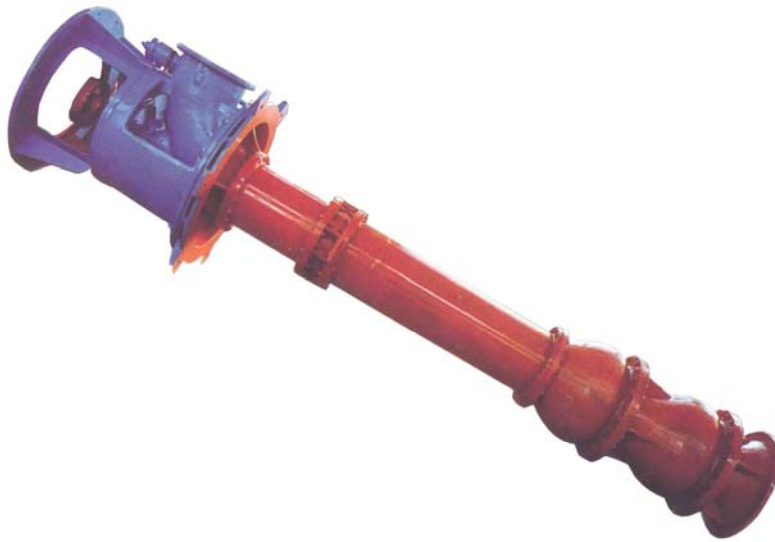


## LC 型立式长轴泵



### 用途及特点:

LC 系列立式长轴泵是公司吸收了世界发达国家立式长轴泵设计和制造的先进经验,为适应我国市场需要,在 L、LA 系列基础作了重大改进而研制开发的先进成熟的系列产品。

该产品广泛应用于冶金、矿山、化工、造纸、发电及农田排灌各种工农业场所。如:市政雨水及污水排放、工业给排水、生活饮水的取水、送水、农业取水、排水。

本系列泵为立式结构,设计合理,结构紧凑,开启方便,便于维修,占地面积小,通用化标准化程度高优点。叶轮浸没在介质中,采用导流器集流。泵轴和内外管分为多节,中间采用联轴螺母或联轴结联接。伸入长度可根据用户要求合理选择。导轴承采用护管结构,清水润滑。

泵通过出口弯管与出水管路系统连结在一起,通过底座与基础固定。旋转体部分中所有的橡胶滑动轴承,由填料函侧面的注入口进入的润滑水,源源不断地沿着内管和轴之间的流道去润滑冷却冲洗。这是立式长轴泵长期在液下进行正常工作的关键所在。

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● **泵的工作原理:** 电机通过轴带动在液下工作的叶轮旋转,流体通过叶轮获取能量后,经导流器变换方向,沿着内管和外管之间的流道,垂直向上流动,经过出口弯管,水平方向吐出。

立式泵在工作时,特增加监控系统。本系统由机组启动及机组监控两部分组成,监控部分主要是润滑水监控,轴承温度监控,压力监控,液位监控以及闸阀控制。

● **适用范围:** 流量 30-9400 米<sup>3</sup>/小时,扬程 13-69 米。

● **适用介质:** 适用输送 55℃ 以下的清水,海水等液体,经特殊设计的泵也可输送污水及 85℃ 以下的液体。



LC 型立式长轴泵

泵性能参数

NO. 8-1

| 泵型号        | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m)          | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|------------|-----------------------------|----------------------|---------------|----------------|----------------|---------------|
| 100LC-13   | 30<br>60<br>75              | 15.6<br>12.5<br>9.7  | 2950          | 4              | 124.5          | 1000+100N     |
| 100LC-20   | 30<br>60<br>75              | 24<br>19.9<br>16.7   | 2950          | 7.5            | 133.5          | 1050+100N     |
| 100LC-20A  | 27.3<br>54.6<br>68.3        | 19.9<br>16.5<br>13.8 | 2950          | 5.5            | 121.5          | 1050+100N     |
| 100LC2-25  | 30<br>60<br>75              | 31.2<br>25<br>26.4   | 2950          | 7.5            | 124.5          | 1200+100N     |
| 100LC-32   | 30<br>60<br>75              | 39.6<br>32.4<br>26.4 | 2950          | 11             | 124.5<br>133.5 | 1250+100N     |
| 100LC2-40  | 30<br>60<br>75              | 48<br>39.8<br>33.4   | 2950          | 15             | 133.5          | 1300+100N     |
| 100LC2-60  | 30<br>60<br>75              | 72<br>59.7<br>50.1   | 2950          | 22             | 133.5          | 1400+100N     |
| 100LC3-60A | 27.3<br>54.6<br>68.3        | 59.6<br>49.4<br>41.5 | 2950          | 15             | 121.5          | 1400+100N     |
| 150LC-23   | 75<br>150<br>190            | 27.5<br>23<br>16.5   | 2950          | 18.5           | 169            | 1400+140N     |
| 150LC-23A  | 68.3<br>136.5<br>172.9      | 22.8<br>19<br>13.7   | 2950          | 15             | 154            | 1400+140N     |
| 150LC-37   | 75<br>150<br>190            | 43.7<br>36.6<br>30.3 | 2950          | 30             | 186            | 1450+140N     |
| 150LC-37A  | 68.3<br>136.5<br>127.9      | 36.2<br>30.3<br>25.1 | 2950          | 22             | 169.3          | 1450+140N     |
| 150LC2-46  | 75<br>150<br>190            | 55<br>46<br>33       | 2950          | 37             | 169            | 1600+140N     |
| 150LC2-60  | 75<br>150<br>190            | 71.2<br>59.6<br>46.8 | 2950          | 45             | 186<br>169     | 1650+140N     |

LC 型立式长轴泵

泵性能参数

NO. 8-2

| 泵型号        | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m)           | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|------------|-----------------------------|-----------------------|---------------|----------------|----------------|---------------|
| 200LC-15   | 190<br>300<br>360           | 17.4<br>14.5<br>11.9  | 1475          | 22             | 268            | 500+1160N     |
| 200LC-23   | 190<br>300<br>360           | 26.8<br>23<br>20.2    | 1475          | 37             | 296            | 1550+160N     |
| 200LC-23A  | 172.9<br>273<br>327.6       | 22.2<br>19<br>16.7    | 1475          | 30             | 269.4          | 1550+160N     |
| 200LC2-29  | 190<br>300<br>360           | 34.8<br>29<br>23.8    | 1475          | 45             | 268            | 1700+160N     |
| 200LC2-38  | 190<br>300<br>360           | 44.02<br>37.5<br>32.1 | 1475          | 55             | 268<br>296     | 1800+160N     |
| 200LC2-46  | 190<br>300<br>360           | 53.6<br>46.1<br>40.4  | 1475          | 75             | 296            | 1850+160N     |
| 200LC3-69  | 190<br>300<br>360           | 80.4<br>69<br>60.6    | 1475          | 110            | 296            | 2000+160N     |
| 200LC3-69A | 172.9<br>273<br>327.6       | 66.6<br>57<br>50.1    | 1475          | 90             | 269.4          | 2000+160N     |
| 250LC-20   | 360<br>480<br>540           | 22.8<br>19.8<br>17.8  | 1475          | 55             | 314            | 1540+180N     |
| 250LC-20A  | 327.6<br>436.8<br>491.4     | 18.9<br>16.4<br>14.7  | 1475          | 37             | 286            | 1540+180N     |
| 250LC-32   | 360<br>480<br>540           | 35.5<br>31.5<br>29.1  | 1475          | 75             | 346            | 1600+180N     |
| 250LC-32A  | 327.6<br>436.8<br>491.4     | 29.4<br>26.1<br>24.1  | 1475          | 55             | 315            | 1600+180N     |
| 250LC2-40  | 360<br>480<br>540           | 45.6<br>39.6<br>35.6  | 1475          | 90             | 314            | 1600+180N     |
| 250LC2-51  | 360<br>480<br>540           | 58.3<br>51.4<br>46.9  | 1475          | 132            | 314<br>346     | 1800+180N     |

LC 型立式长轴泵

泵性能参数

NO. 8-3

| 泵型号        | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|------------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 250LC2-63  | 360                         | 71          | 1475          | 160            | 346            | 1850+180N     |
|            | 480                         | 63          |               |                |                |               |
|            | 540                         | 58.2        |               |                |                |               |
| 300LC-25   | 540                         | 27.5        | 1475          | 90             | 348            | 1800+300N     |
|            | 660                         | 24.5        |               |                |                |               |
|            | 750                         | 21.6        |               |                |                |               |
| 300LC-25A  | 491.4                       | 22.8        | 1475          | 75             | 316.7          | 1800+300N     |
|            | 600.6                       | 20.3        |               |                |                |               |
|            | 682.5                       | 17.9        |               |                |                |               |
| 300LC-39   | 540                         | 42.7        | 1475          | 132            | 285            | 1850+300N     |
|            | 660                         | 39          |               |                |                |               |
|            | 750                         | 35.6        |               |                |                |               |
| 300LC-39A  | 491.4                       | 35.4        | 1475          | 110            | 350.4          | 1850+300N     |
|            | 600.6                       | 32.3        |               |                |                |               |
|            | 682.5                       | 29.5        |               |                |                |               |
| 300LC2-49  | 540                         | 55          | 1475          | 160            | 348            | 2150+300N     |
|            | 660                         | 49          |               |                |                |               |
|            | 750                         | 43.2        |               |                |                |               |
| 300LC2-64  | 540                         | 70.2        | 1475          | 200            | 348<br>385     | 2250+300N     |
|            | 660                         | 63.5        |               |                |                |               |
|            | 750                         | 57.2        |               |                |                |               |
| 350LC-19   | 750                         | 22.2        | 1475          | 90             | 334            | 2300+600N     |
|            | 900                         | 19.3        |               |                |                |               |
|            | 1050                        | 16.1        |               |                |                |               |
| 350LC-19A  | 713                         | 20          | 1475          | 75             | 317            | 2300+600N     |
|            | 855                         | 17.4        |               |                |                |               |
|            | 998                         | 14.5        |               |                |                |               |
| 350LC-30   | 750                         | 33.5        | 1475          | 160            | 387            | 2600+650N     |
|            | 900                         | 30.2        |               |                |                |               |
|            | 1050                        | 25.5        |               |                |                |               |
| 350LC-30A- | 713                         | 30.2        | 1475          | 132            | 367            | 2600+650N     |
|            | 855                         | 27.3        |               |                |                |               |
|            | 988                         | 23          |               |                |                |               |
| 350LC-30B  | 675                         | 27.1        | 1475          | 110            | 348            | 2600+650N     |
|            | 810                         | 24.5        |               |                |                |               |
|            | 945                         | 20.7        |               |                |                |               |
| 350LC-48   | 750                         | 51.8        | 1475          | 220            | 426            | 2700+650N     |
|            | 900                         | 47.9        |               |                |                |               |
|            | 1050                        | 42.5        |               |                |                |               |
| 350LC-48A  | 713                         | 46.7        | 1475          | 200            | 405            | 2700+650N     |
|            | 855                         | 43.2        |               |                |                |               |
|            | 988                         | 38.4        |               |                |                |               |

LC 型立式长轴泵

泵性能参数

NO. 8-4

| 泵型号        | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|------------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 350LC-48B  | 675                         | 42          | 1475          | 185            | 384            | 2700+650N     |
|            | 810                         | 38.8        |               |                |                |               |
|            | 945                         | 34.4        |               |                |                |               |
| 350LC2-60  | 750                         | 67          | 1475          | 280            | 387            | 3250+650N     |
|            | 900                         | 60.4        |               |                |                |               |
|            | 1050                        | 51          |               |                |                |               |
| 350LC2-60A | 713                         | 60.5        | 1475          | 250            | 367            | 3250+650N     |
|            | 655                         | 54.5        |               |                |                |               |
|            | 998                         | 46          |               |                |                |               |
| 400LC-25   | 1052                        | 28.3        | 1475          | 160            | 380            | 2700+700N     |
|            | 1320                        | 25          |               |                |                |               |
|            | 1500                        | 22          |               |                |                |               |
| 400LC-25A  | 998                         | 25.5        | 1475          | 132            | 361            | 2700+700N     |
|            | 1254                        | 22.6        |               |                |                |               |
|            | 1425                        | 19.9        |               |                |                |               |
| 400LC-39   | 1052                        | 44.3        | 1475          | 250            | 440            | 3100+700N     |
|            | 1320                        | 39          |               |                |                |               |
|            | 1500                        | 34.3        |               |                |                |               |
| 400LC-39A  | 998                         | 40          | 1475          | 200            | 418            | 3100+700N     |
|            | 1254                        | 35.2        |               |                |                |               |
|            | 1425                        | 31          |               |                |                |               |
| 400LC-39B  | 945                         | 35.9        | 1475          | 185            | 396            | 3100+700N     |
|            | 1188                        | 31.6        |               |                |                |               |
|            | 1350                        | 27.8        |               |                |                |               |
| 400LC-62   | 1052                        | 68.5        | 1475          | 355            | 484            | 3300+700N     |
|            | 1320                        | 61.9        |               |                |                |               |
|            | 1500                        | 56.6        |               |                |                |               |
| 400LC-62A  | 998                         | 61.8        | 1475          | 315            | 460            | 3300+700N     |
|            | 1254                        | 55.9        |               |                |                |               |
|            | 1425                        | 51.1        |               |                |                |               |
| 400LC-62B  | 945                         | 55.5        | 1475          | 280            | 436            | 3300+700N     |
|            | 1188                        | 50.1        |               |                |                |               |
|            | 1350                        | 45.8        |               |                |                |               |
| 450LC-17   | 1500                        | 19.7        | 980           | 160            | 477            | 3280+650N     |
|            | 1740                        | 17.4        |               |                |                |               |
|            | 1920                        | 15.7        |               |                |                |               |
| 450LC-17A  | 1425                        | 17.8        | 980           | 132            | 453            | 3280+650N     |
|            | 1653                        | 15.7        |               |                |                |               |
|            | 1824                        | 14.2        |               |                |                |               |
| 450LC-27   | 1500                        | 29.8        | 980           | 220            | 552            | 3430+750N     |
|            | 1740                        | 27.2        |               |                |                |               |
|            | 1920                        | 25          |               |                |                |               |

LC 型立式长轴泵

泵性能参数

NO. 8-5

| 泵型号       | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|-----------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 450LC-27A | 1425                        | 26.9        | 980           | 185            | 524            | 3430+750N     |
|           | 1653                        | 24.5        |               |                |                |               |
|           | 1824                        | 22.6        |               |                |                |               |
| 450LC-27B | 1350                        | 24.1        | 980           | 160            | 497            | 3430+750N     |
|           | 1566                        | 22.0        |               |                |                |               |
|           | 1728                        | 20.3        |               |                |                |               |
| 450LC-43  | 1500                        | 46.2        | 980           | 315            | 609            | 3680+750N     |
|           | 1740                        | 43.1        |               |                |                |               |
|           | 1920                        | 40.5        |               |                |                |               |
| 450LC-43A | 1425                        | 41.7        | 980           | 280            | 578            | 3680+750N     |
|           | 1653                        | 38.9        |               |                |                |               |
|           | 1824                        | 36.6        |               |                |                |               |
| 450LC-43B | 1350                        | 37.4        | 980           | 250            | 548            | 3680+750N     |
|           | 1566                        | 34.9        |               |                |                |               |
|           | 1728                        | 32.8        |               |                |                |               |
| 450LC-54  | 1500                        | 59.6        | 980           | 400            | 552            | 3800+750N     |
|           | 1740                        | 54.4        |               |                |                |               |
|           | 1920                        | 50          |               |                |                |               |
| 450LC-54A | 1425                        | 53.8        | 980           | 355            | 524            | 3800+750N     |
|           | 1653                        | 49.1        |               |                |                |               |
|           | 1824                        | 45.1        |               |                |                |               |
| 500LC-20  | 1920                        | 21          | 980           | 200            | 513            | 3800+830N     |
|           | 2160                        | 20          |               |                |                |               |
|           | 2400                        | 17.8        |               |                |                |               |
| 500LC-20A | 1824                        | 19          | 980           | 185            | 487            | 3800+830N     |
|           | 2052                        | 18.1        |               |                |                |               |
|           | 2280                        | 16.1        |               |                |                |               |
| 500LC-31  | 1920                        | 34          | 980           | 315            | 593            | 4100+830N     |
|           | 2160                        | 31.4        |               |                |                |               |
|           | 2400                        | 28.5        |               |                |                |               |
| 500LC-31A | 1824                        | 30.7        | 980           | 280            | 564            | 4100+830N     |
|           | 2052                        | 28.3        |               |                |                |               |
|           | 2280                        | 25.7        |               |                |                |               |
| 500LC-31B | 1728                        | 27.5        | 980           | 250            | 534            | 4100+830N     |
|           | 1944                        | 25.4        |               |                |                |               |
|           | 2160                        | 23.1        |               |                |                |               |
| 500LC-50  | 1920                        | 52.8        | 980           | 500            | 654            | 4300+830N     |
|           | 2160                        | 49.8        |               |                |                |               |
|           | 2400                        | 46.1        |               |                |                |               |
| 500LC-50A | 1824                        | 47.7        | 980           | 400            | 622            | 4300+830N     |
|           | 2052                        | 44.9        |               |                |                |               |
|           | 2280                        | 41.6        |               |                |                |               |



LC 型立式长轴泵

泵性能参数

NO. 8-6

| 泵型号       | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|-----------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 500LC-50B | 1728                        | 42.8        | 980           | 355            | 589            | 4300+830N     |
|           | 1944                        | 40.3        |               |                |                |               |
|           | 2160                        | 37.3        |               |                |                |               |
| 500LC-63  | 1920                        | 68          | 980           | 560            | 593            | 4700+830N     |
|           | 2160                        | 62.8        |               |                |                |               |
|           | 2400                        | 57          |               |                |                |               |
| 500LC-63A | 1824                        | 61.4        | 980           | 500            | 564            | 4700+830N     |
|           | 2052                        | 56.7        |               |                |                |               |
|           | 2280                        | 51.4        |               |                |                |               |
| 600LC-25  | 2400                        | 29.7        | 980           | 315            | 572            | 4800+695N     |
|           | 3000                        | 25          |               |                |                |               |
|           | 3420                        | 21.6        |               |                |                |               |
| 600LC-25A | 2280                        | 26.8        | 980           | 280            | 543            | 4800+695N     |
|           | 2850                        | 22.6        |               |                |                |               |
|           | 3249                        | 19.5        |               |                |                |               |
| 600LC-39  | 2400                        | 43.9        | 980           | 500            | 662            | 5340+695N     |
|           | 3000                        | 39          |               |                |                |               |
|           | 3420                        | 34.3        |               |                |                |               |
| 600LC-39A | 2280                        | 39.6        | 980           | 450            | 629            | 5340+695N     |
|           | 2850                        | 35.2        |               |                |                |               |
|           | 3249                        | 31          |               |                |                |               |
| 600LC-39B | 2160                        | 35.6        | 980           | 355            | 596            | 5440+965N     |
|           | 2700                        | 31.6        |               |                |                |               |
|           | 3078                        | 27.8        |               |                |                |               |
| 600LC62-  | 2400                        | 68.2        | 980           | 710            | 730            | 5440+965N     |
|           | 3000                        | 62          |               |                |                |               |
|           | 3420                        | 56.7        |               |                |                |               |
| 600LC-62A | 2280                        | 61.6        | 980           | 630            | 694            | 5440+965N     |
|           | 2850                        | 56.0        |               |                |                |               |
|           | 3249                        | 51.1        |               |                |                |               |
| 600LC-62B | 2160                        | 55.3        | 980           | 560            | 657            | 5440+965N     |
|           | 2700                        | 50.2        |               |                |                |               |
|           | 3078                        | 45.9        |               |                |                |               |
| 700LC-20  | 3420                        | 22.6        | 735           | 400            | 825            | 6200+1150N    |
|           | 3900                        | 20.3        |               |                |                |               |
|           | 4380                        | 17.9        |               |                |                |               |
| 700LC-20A | 3249                        | 20.4        | 735           | 315            | 784            | 6200+1150N    |
|           | 3705                        | 18.3        |               |                |                |               |
|           | 4161                        | 16.2        |               |                |                |               |
| 700LC-32  | 3420                        | 33.4        | 735           | 500            | 795            | 6500+1150N    |
|           | 3900                        | 31.7        |               |                |                |               |
|           | 4380                        | 27.3        |               |                |                |               |

LC 型立式长轴泵

泵性能参数

NO. 8-7

| 泵型号       | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|-----------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 700LC-32A | 3249                        | 30.1        | 735           | 450            | 755            | 6500+1150N    |
|           | 3705                        | 28.6        |               |                |                |               |
|           | 4161                        | 24.6        |               |                |                |               |
| 700LC-32B | 3078                        | 27.1        | 735           | 400            | 716            | 6500+1150N    |
|           | 3510                        | 25.7        |               |                |                |               |
|           | 3942                        | 22.1        |               |                |                |               |
| 700LC-50  | 3400                        | 53.6        | 735           | 800            | 877            | 6800+1150N    |
|           | 3900                        | 50.3        |               |                |                |               |
|           | 4380                        | 46.3        |               |                |                |               |
| 700LC-50A | 3249                        | 48.4        | 735           | 710            | 833            | 6800+1150N    |
|           | 3705                        | 45.4        |               |                |                |               |
|           | 4161                        | 41.8        |               |                |                |               |
| 700LC-50B | 3078                        | 43.4        | 735           | 560            | 789            | 6800+1150N    |
|           | 3510                        | 40.7        |               |                |                |               |
|           | 3942                        | 37.5        |               |                |                |               |
| 800LC-24  | 4380                        | 27.4        | 735           | 500            | 751            | 7300+1350N    |
|           | 5100                        | 24.3        |               |                |                |               |
|           | 5600                        | 22          |               |                |                |               |
| 800LC-24A | 4161                        | 24.7        | 735           | 450            | 714            | 7300+1350N    |
|           | 4845                        | 21.9        |               |                |                |               |
|           | 5320                        | 19.9        |               |                |                |               |
| 800LC-38  | 4380                        | 41.4        | 735           | 710            | 870            | 7600+1350N    |
|           | 5100                        | 37.9        |               |                |                |               |
|           | 5600                        | 34.8        |               |                |                |               |
| 800LC-38A | 4161                        | 37.4        | 735           | 630            | 826            | 7600+1350N    |
|           | 4845                        | 34.2        |               |                |                |               |
|           | 5320                        | 31.4        |               |                |                |               |
| 800LC-38B | 3942                        | 33.5        | 735           | 560            | 783            | 7600+1350N    |
|           | 4590                        | 30.7        |               |                |                |               |
|           | 5040                        | 28.2        |               |                |                |               |
| 800LC-60  | 4380                        | 64.8        | 735           | 1120           | 959            | 7900+1350N    |
|           | 5100                        | 60.2        |               |                |                |               |
|           | 5600                        | 56.7        |               |                |                |               |
| 800LC-60A | 4161                        | 58.5        | 735           | 1000           | 911            | 7900+1350N    |
|           | 4845                        | 54.3        |               |                |                |               |
|           | 5320                        | 51.2        |               |                |                |               |
| 800LC-60B | 3942                        | 52.5        | 735           | 900            | 863            | 7900+1350N    |
|           | 4590                        | 48.8        |               |                |                |               |
|           | 5040                        | 45.9        |               |                |                |               |
| 900LC-21  | 5600                        | 22.9        | 590           | 560            | 867            | 8500+1550N    |
|           | 6300                        | 20.8        |               |                |                |               |
|           | 7000                        | 18.6        |               |                |                |               |



LC 型立式长轴泵

泵性能参数

NO. 8-8

| 泵型号        | 流量 Q<br>(m <sup>3</sup> /h) | 扬程 H<br>(m) | 转速 n<br>(rpm) | 电机功率 N<br>(kw) | 叶轮直径 D<br>(mm) | 泵质量 M<br>(kg) |
|------------|-----------------------------|-------------|---------------|----------------|----------------|---------------|
| 900LC-21A  | 5320                        | 20.7        | 590           | 450            | 824            | 8500+1550N    |
|            | 5985                        | 18.8        |               |                |                |               |
|            | 6650                        | 16.8        |               |                |                |               |
| 900LC-33   | 5600                        | 35.1        | 590           | 800            | 1004           | 8900+1550N    |
|            | 6300                        | 32.6        |               |                |                |               |
|            | 7000                        | 29.7        |               |                |                |               |
| 900LC-33A  | 5320                        | 31.7        | 590           | 710            | 954            | 8900+1550N    |
|            | 5985                        | 29.4        |               |                |                |               |
|            | 6650                        | 26.8        |               |                |                |               |
| 900LC-33B  | 5040                        | 28.4        | 590           | 630            | 903            | 8900+1550N    |
|            | 5670                        | 26.4        |               |                |                |               |
|            | 6300                        | 24.1        |               |                |                |               |
| 900LC-52   | 5600                        | 56.7        | 590           | 2000           | 1107           | 9300+1550N    |
|            | 6300                        | 51.7        |               |                |                |               |
|            | 7000                        | 48.3        |               |                |                |               |
| 900LC-52A  | 5320                        | 51.2        | 590           | 1600           | 1052           | 9300+1550N    |
|            | 5985                        | 46.7        |               |                |                |               |
|            | 6650                        | 43.6        |               |                |                |               |
| 900LC-52B  | 5040                        | 45.9        | 590           | 1400           | 996            | 9300+1550N    |
|            | 5670                        | 41.9        |               |                |                |               |
|            | 6300                        | 39.1        |               |                |                |               |
| 1000LC-25  | 7000                        | 29.7        | 590           | 800            | 955            | 10000+1800N   |
|            | 8400                        | 25.2        |               |                |                |               |
|            | 9400                        | 22.4        |               |                |                |               |
| 1000LC-25A | 6650                        | 26.8        | 590           | 710            | 907            | 10000+1800N   |
|            | 7980                        | 22.7        |               |                |                |               |
|            | 8930                        | 20.2        |               |                |                |               |
| 1000LC-39  | 7000                        | 43.7        | 590           | 1250           | 1105           | 10500+1800N   |
|            | 8400                        | 39.4        |               |                |                |               |
|            | 9400                        | 35.6        |               |                |                |               |
| 1000LC-39A | 6650                        | 39.4        | 590           | 1120           | 1050           | 10500+1800N   |
|            | 7980                        | 35.2        |               |                |                |               |
|            | 8930                        | 32.1        |               |                |                |               |
| 1000LC-39B | 6300                        | 35.4        | 590           | 900            | 994            | 10500+1800N   |
|            | 7560                        | 31.9        |               |                |                |               |
|            | 8460                        | 28.8        |               |                |                |               |
| 1000LC-63  | 7700                        | 68.2        | 590           | 2000           | 1219           | 11000+1800N   |
|            | 8400                        | 62.6        |               |                |                |               |
|            | 9400                        | 58.1        |               |                |                |               |
| 1000LC-63A | 6650                        | 61.6        | 590           | 2000           | 1158           | 11000+1800N   |
|            | 7980                        | 56.5        |               |                |                |               |
|            | 8930                        | 52.4        |               |                |                |               |
| 1000LC-63B | 6300                        | 55.2        | 590           | 1600           | 1097           | 11000+1800N   |
|            | 7560                        | 50.7        |               |                |                |               |
|            | 8460                        | 47.1        |               |                |                |               |