

## 环保型交直交电磁搅拌器

Series of Environmental Protection Electric Magnetic Stirrer



### 结构特点:

- ◆ 装机功率小，功耗低。
- ◆ 功率因数高，电网侧谐波电流基本为零。
- ◆ 操作直观，灵活移动，人机界面图文显示，自动化程度高。
- ◆ 参数设计合理、先进、磁场强度高、深度大。
- ◆ 升降、移动均采用机械传动，工作可靠、安全、寿命长、无污染。
- ◆ 可实现“一机多炉”工作，应用范围广。
- ◆ 配置灵活选用方便。

### structural characteristics

Small installed power, low power consumption

High power factor, grid side harmonic current is substantially zero.

Intuitive operation, flexible movement, Human Machine interface graphic display, high automatic degree.

The parameter is reasonable designed and advanced, with high magnetic field strength and large depth.

Lifting, moving both by mechanical transmission, reliable work, long service life, safety, no pollution.

With the protection of electrical and mechanical protective system, each operation has interlock and limit position control functions.

Can achieve "one stirrer, multi-furnace" work, wide range of applications.

Flexible configuration and convenient selection.

## 交直交 (PWM+PWM) 变频系列底置式电磁搅拌器参数表

Series of AC-DC-AC(PWM+PWM) frequency converter Bottom-mounted Electromagnetic stirrer Parameters Table

| 设备型号 Model  | JBDZ.02DZ                  | JBDZ.05DZ                  | JBDZ.10DZ                  | JBDZ.20DZ                  | JBDZ.30DZ                   | JBDZ.40DZ                   | JBDZ.60DZ                   | JBDZ.90DZ                   | JBDZ.120DZ                  | JBDZ.150DZ                  |
|---|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 搅拌吨位<br>Stir Tonnage (T)  | ≤ 2.2 t                    | ≤ 5.5 t                    | ≤ 12 t                     | ≤ 22 t                     | ≤ 33 t                      | ≤ 45 t                      | ≤ 66 t                      | ≤ 100 t                     | ≤ 132 t                     | ≤ 165 t                     |
| 装机功率<br>Power(kW)   | 50                         | 50                         | 60                         | 70                         | 100                         | 130                         | 160                         | 220                         | 270                         | 320                         |
| 功率因数<br>Power Factor  | ≥ 0.96                     | ≥ 0.96                     | ≥ 0.96                     | ≥ 0.98                     | ≥ 0.98                      | ≥ 0.98                      | ≥ 0.98                      | ≥ 0.98                      | ≥ 0.98                      | ≥ 0.98                      |
| 变频电源输入参数 (3相, 频率: 50Hz/60Hz) Frequency power input parameters (three phase, frequency: 50Hz/60Hz) |                            |                            |                            |                            |                             |                             |                             |                             |                             |                             |
| 线电压<br>Line voltage   | 380V                       | 380V                       | 380V                       | 380V                       | 380V                        | 380V                        | 380V                        | 380V                        | 380V                        | 380V                        |
| 最大搅拌电流<br>Maximum stirring current (A)  | 75                         | 75                         | 90                         | 106                        | 150                         | 197                         | 243                         | 334                         | 410                         | 486                         |
| 变压器参数<br>Transformer parameters (KVA)   | 50                         | 50                         | 60                         | 70                         | 100                         | 130                         | 160                         | 220                         | 270                         | 320                         |
| 电器柜数量<br>Number of electrical cabinets  | 2                          | 2                          | 2                          | 3                          | 3                           | 3                           | 3                           | 4                           | 4                           | 4                           |
| 柜体尺寸<br>Cabinet size (m)  | 1×0.8×2.2                  | 1×0.8×2.2                  | 1×0.8×2.2                  | 1×0.8×2.2                  | 1×0.8×2.2                   | 1×0.8×2.2                   | 1×0.8×2.2                   | 1×0.8×2.2                   | 1×0.8×2.2                   | 1×0.8×2.2                   |
| 变频电源输出参数 (3相, 频率: 0~5Hz) Frequency Power Output parameters (three phase, frequency: 0~5Hz)        |                            |                            |                            |                            |                             |                             |                             |                             |                             |                             |
| 相电压<br>Phase voltage (V)  | 0-380                      | 0-380                      | 0-380                      | 0-380                      | 0-380                       | 0-380                       | 0-380                       | 0-380                       | 0-380                       | 0-380                       |
| 最大电流<br>Maximum current(A)  | 300                        | 300                        | 300                        | 450                        | 600                         | 1000                        | 1000                        | 1500                        | 2000                        | 2000                        |
| 感应器参数 Sensor parameters   |                            |                            |                            |                            |                             |                             |                             |                             |                             |                             |
| 感应器尺寸<br>Sensor size (m)  | 1.9×1.1×1.7                | 2.1×1.1×1.7                | 2.2×1.4×1.7                | 2.4×1.4×1.7                | 2.65×1.4×1.7                | 3.3×1.45×1.7                | 3.75×1.7×1.95               | 4.45×1.8×2.1                | 4.45×2.1×2.1                | 5.2×2.5×2.1                 |
| 窗口尺寸<br>Window size (m)   | 2.2×1.4                    | 2.4×1.4                    | 2.5×1.7                    | 2.7×1.7                    | 2.95×1.7                    | 3.6×1.75                    | 4.05×2                      | 4.75×2.1                    | 4.75×2.4                    | 5.5×2.8                     |
| 轻轨中心距<br>Rail center distance   | 900mm                      | 900mm                      | 1200mm                     | 1200mm                     | 1200mm                      | 1200mm                      | 1200mm                      | 1600mm                      | 1600mm                      | 1800mm                      |
| 额定输入电流<br>Rated input current (A)   | 180                        | 220                        | 240                        | 320                        | 450                         | 600                         | 980                         | 1130                        | 1200                        | 1500                        |
| 工作频率<br>Operating Frequency   | 同交-交<br>With AC-AC         | 同交-交<br>With AC-AC         | 同交-交<br>With AC-AC         | 同交-交<br>With AC-AC         | 同交-交<br>With AC-AC          | 同交-交<br>With AC-AC          | 同交-交<br>With AC-AC          | 同交-交<br>With AC-AC          | 同交-交<br>With AC-AC          | 同交-交<br>With AC-AC          |
| 工作相电压<br>Operating phase voltage  | 160                        | 160                        | 220                        | 220                        | 220                         | 220                         | 220                         | 220                         | 220                         | 220                         |
| 炉底厚度<br>Bottom thickness  | ≤ 450mm                    | ≤ 450mm                    | ≤ 450mm                    | ≤ 500mm                    | ≤ 500mm                     | ≤ 550mm                     | ≤ 600mm                     | ≤ 600mm                     | ≤ 650mm                     | ≤ 700mm                     |
| 熔池深度<br>Pool depth  | 450mm                      | 450mm                      | 500mm                      | 600mm                      | 650mm                       | 800mm                       | 850mm                       | 1000mm                      | 1200mm                      | 1200mm                      |
| 纯水冷却装置参数 Water cooling device parameters  |                            |                            |                            |                            |                             |                             |                             |                             |                             |                             |
| 标配型号<br>Standard Model  | LSS-60 水冷<br>Water cooling | LSS-60 水冷<br>Water cooling | LSS-60 水冷<br>Water cooling | LSS-60 水冷<br>Water cooling | LSS-125 水冷<br>Water cooling | LSS-125 水冷<br>Water cooling | LSS-160 水冷<br>Water cooling | LSS-200 水冷<br>Water cooling | LSS-300 水冷<br>Water cooling | LSS-350 水冷<br>Water cooling |
| 冷却容量<br>Cooling Capacity  | 60kW                       | 60kW                       | 60kW                       | 60kW                       | 125kW                       | 125kW                       | 160kW                       | 200kW                       | 300kW                       | 350kW                       |
| 配电功率<br>Power distribution  | 3kW                        | 3kW                        | 3kW                        | 3kW                        | 4kW                         | 4kW                         | 7kW                         | 11kW                        | 12kW                        | 12kW                        |
| 感应器连接电缆 Sensor connection cable (YCW or YC)   |                            |                            |                            |                            |                             |                             |                             |                             |                             |                             |
| 电缆截面积<br>Cable cross-sectional area   | 70mm <sup>2</sup>          | 70mm <sup>2</sup>          | 95mm <sup>2</sup>          | 120mm <sup>2</sup>         | 150mm <sup>2</sup>          | 150mm <sup>2</sup>          | 185mm <sup>2</sup>          | 240mm <sup>2</sup>          | 150mm <sup>2</sup> ×2       | 185mm <sup>2</sup> ×2       |

以上参数仅供参考, 实际使用时, 以技术协议为准。The above parameters are for reference only, actual use, subject to technical agreement.