

## 附：DA89X1C-20FZ1 电机参数列表

## Accessories: DA89X1C-20FZ1 Motor Parameter Sheet

| No. | 项目 Item                            | 参数 Parameter                            | 备注 Remark   |
|-----|------------------------------------|---|---|
| 1   | 压缩机型号<br>Compressor Model          | DA89X1C-20FZ1                           |   |
| 2   | 转子极数<br>Rotor Pole                 | 4 极<br>4 Pole                           |   |
| 3   | 运行频率范围<br>Rated Frequency Range    | 12~120 Hz                               |   |
| 4   | 磁石材料<br>Magnet Material            | 铁氧体类<br>Ferrite                         |   |
| 5   | 永磁体减磁电流峰值<br>Demagnetizing Current | <b>12.4</b> A                           | -20℃下, -5%减磁率<br>at -20℃,<br>-5% Demagnetizing Rate |
| 6   | d 轴电感<br>Terminal Inductance Lq    | 10.52 mH                                | 额定电流下<br>Under Rated Current                        |
| 7   | q 轴电感<br>Terminal Inductance Ld    | 16.01 mH                                | 额定电流下<br>Under Rated Current                        |
| 8   | 定子线圈电阻<br>Winding Resistance       | 0.71 Ω                                  | 线间电阻 (20℃下)<br>line-to-line (at 20℃)                |
| 9   | 感应电压常数<br>Voltage Constant         | 22.8 Vrms/Krpm                          | 线间电压<br>line-to-line                                |
| 10  | 电机转矩常数<br>Torque Constant          | 0.39 N·m/Arms                           |   |
| 11  | 转动惯量<br>Inertia                    | $6.85 \times 10^{-4}$ Kg·m <sup>2</sup> |   |
| 12  | 电机子锁交磁束<br>Armature Flux Linkage   | 0.862 mWb                               |   |
| 13  | 磁通量 Φa<br>Flux Φa                  | 0.336 Wb                                |   |

| 客户承认 | GMCC 承认 |
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