

## 半封闭式直线电机模组

Semi-closed linear motor module

## 模组型号

Module model

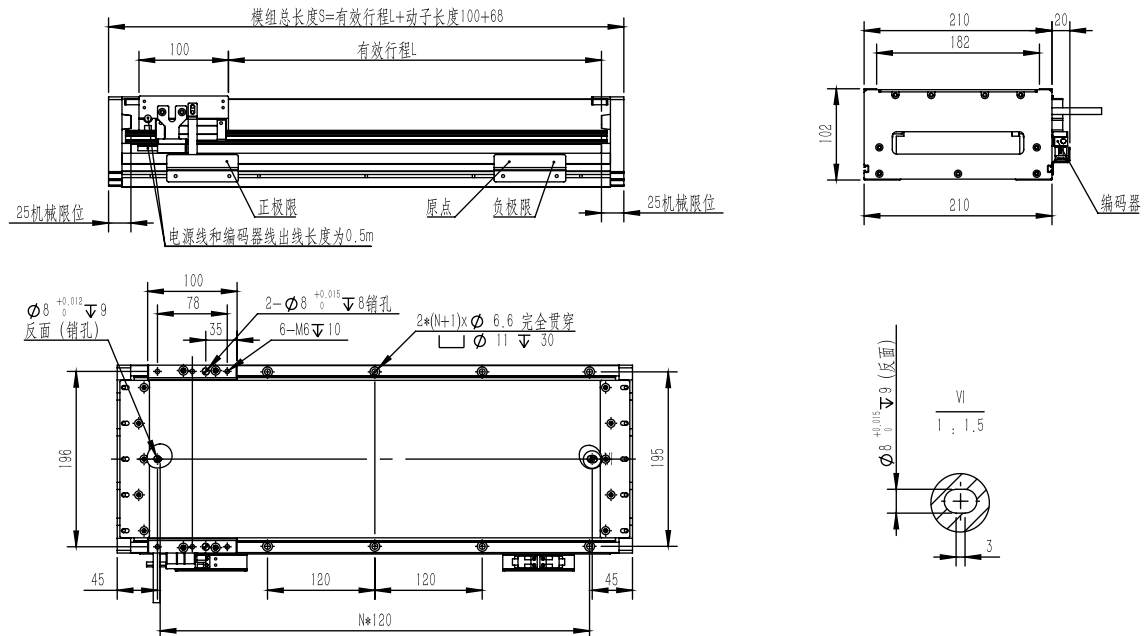


JCI-M210A1



| 动子型号<br>Mover model                |       | JCI-M210A1                                    |                     |                                    |            |                                   |                        |
|------------------------------------|-------|-----------------------------------------------|---------------------|------------------------------------|------------|-----------------------------------|------------------------|
| 电气参数<br>Electrical Parameter       |       | 机械参数<br>Specifications Parameters             |                     | 性能参数<br>Performance Parameters     |            | 配置信息<br>Configuration Information |                        |
| 峰值推力 (N)<br>Peak force             | 1015  | 底座最大长度 (m)<br>Maximum base length             | 单条模组最长6m<br>超过6m可拼接 | 重复定位精度 (μm)<br>Repetition accuracy | ±0.5~±2.5  | 导轨<br>Guide rail                  | 标配国产15#<br>(品牌可选配)     |
| 持续推力 (N)<br>Continuous force       | 402   |                                               |                     | 定位精度 (μm)<br>Positioning accuracy  | ±20μm/m    |                                   |                        |
| 峰值电流 (Arms)<br>Peak current        | 7.5   | 滑动座长度 (mm)<br>Slide seat length               | 100                 | 线性度 (μm/m)<br>Linearity            | XX ±20μm/m | 编码器<br>Encoder                    | 标配分辨率1μm磁栅<br>(品牌可选配)  |
| 持续电流 (Arms)<br>Continuous current  | 2.5   |                                               |                     |                                    | YY ±20μm/m | 电缆线<br>Cable                      | 自出线0.5m<br>(延长线长度可选配)  |
| 推力常数 (N/Arms)<br>Force Constant    | 161.7 | 防撞+安全距离 (mm)<br>Safety and Collision Distance | 10+9=19             | 最大速度@AC 220 (m/s)<br>Maximum Speed | 1.7        | 传感器<br>Sensor                     | 每个动子配3个NPN型<br>(品牌可选配) |
| 反电动势常数 (v/m/s)<br>Back EMF         | 132   |                                               |                     |                                    |            | 润滑<br>Lubrication                 | 配置集中注油<br>(标配)         |
| 相电阻 (Ohms)<br>Resistance Per Phase | 14.2  |                                               |                     |                                    |            | 模组颜色<br>Module color              | 黑色 (标配)                |
| 相电感 (mH)<br>Induction Per Phase    | 78.0  |                                               |                     |                                    |            |                                   |                        |
| 动子重量 (Kg)<br>Coil Unit Weight      | 3.0   |                                               |                     |                                    |            |                                   |                        |
| 磁节距 N-N (mm)<br>Magnet Pitch       | 24    |                                               |                     |                                    |            |                                   |                        |

## 模组外形尺寸 / Module Boundary Dimension



## 模组长度信息 / Module Length Information

|                                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 有效行程L (mm)<br>Effective travel    | 72   | 120  | 168  | 216  | 264  | 312  | 360  | 408  | 456  | 504  | 552  | 600  | 648  | 696  | 744  | 792  | 840  | 888  | 936  | 984  | 1032 | 1080 | 1128 | 1176 | 1224 | 1272 | 1320 | 1368 | 1416 | 1464 | 1512 |
| 模组总长S (mm)<br>Total length        | 240  | 288  | 336  | 384  | 432  | 480  | 528  | 576  | 624  | 672  | 720  | 768  | 816  | 864  | 912  | 960  | 1008 | 1056 | 1104 | 1152 | 1200 | 1248 | 1296 | 1344 | 1392 | 1440 | 1488 | 1536 | 1584 | 1632 | 1680 |
| 模组总重量 (Kg)<br>Module Total Weight | 15.4 | 15.9 | 16.4 | 16.9 | 17.4 | 17.9 | 18.4 | 18.9 | 19.4 | 19.9 | 20.4 | 20.9 | 21.4 | 21.9 | 22.4 | 22.9 | 23.4 | 23.9 | 24.4 | 24.9 | 25.4 | 25.9 | 26.4 | 26.9 | 27.4 | 27.9 | 28.4 | 28.9 | 29.4 | 29.9 | 30.4 |

注明：行程进制为48，N表示增加的行程段数，72为基准初始行程。如：L360模组 N = (360-72) / 48 = 6  
 Note: The travel scale is 48, N represents the number of additional travel segments, and 48 is the basis. For example, module L360 N = (120-80) / 48 = 6