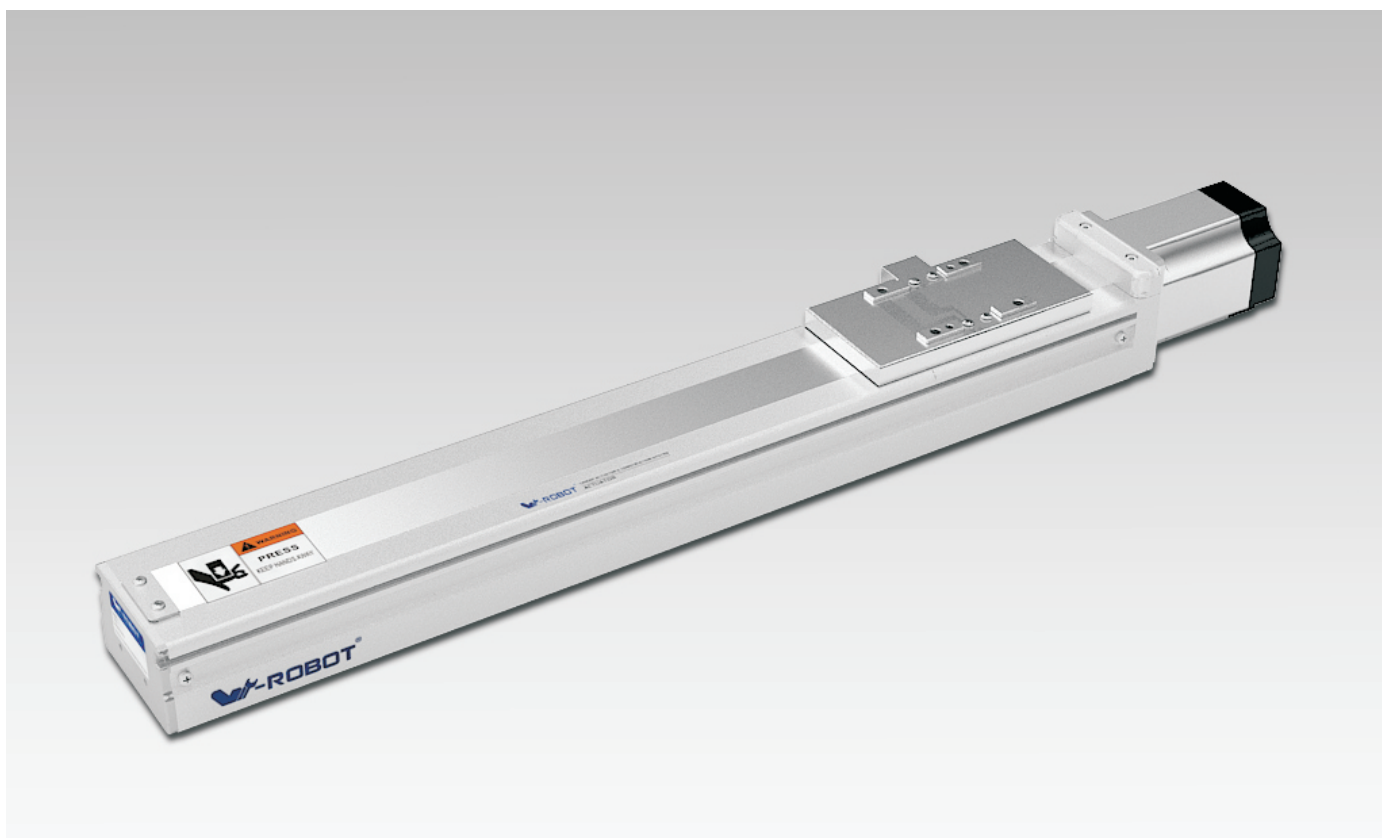




## ■ 马达安装方式 Motor direction



## ■ 型号表示方式 Guide for Model Selection

**PT6 — L10 — S100 — BC — ZP10B — C2P — 001**

| 本体样式<br>Base Style |                         |
|--------------------|-------------------------|
| P                  | 高精密级<br>High Precision  |
| C                  | 洁净型<br>Cleanse          |
| T                  | 全封闭样式<br>Fully-enclosed |
| 6                  | 本体65mm宽<br>Body width65 |

| 丝杆导程<br>Ball Screw Lead |      |
|-------------------------|------|
| L5                      | 5mm  |
| L10                     | 10mm |

| 行程(mm)<br>Stroke(mm) |  |
|----------------------|--|
| 100-800              |  |

| 马达方式<br>Motor way |                     |
|-------------------|---------------------|
| BC                | 直联外置<br>External    |
| BM                | 马达下折<br>Bottom Side |
| BR                | 马达右折<br>Right Side  |
| BL                | 马达左折<br>Left Side   |

| 马达类型<br>Motor Type                             |               | 马达功率<br>Motor power |                   |
|------------------------------------------------|---------------|---------------------|-------------------|
| P                                              | 松下 Panasonic  | 10                  | 100W              |
| M                                              | 三菱 Mitsubishi | 57                  | 57步进<br>Stepper   |
| T                                              | 台达 Delta      | 刹车<br>Brakes        |                   |
| *为Z:代表客户自配电机<br>*For Z: Motor is from clients. |               | 无<br>No             | 无刹车<br>No brake   |
|                                                |               | B                   | 带刹车<br>With brake |

| 原点开关位置<br>Original Sensor position |                            | 极限开关数量<br>Limit Sensor Qty |                   |
|------------------------------------|----------------------------|----------------------------|-------------------|
| 外置式:<br>External                   |                            | 外置式:<br>External           |                   |
| C                                  | 马达侧<br>Motor side          | 3                          | 1个 1pcs           |
| D                                  | 反马达侧<br>Oppsite motor side | 4                          | 2个 2pcs           |
| E                                  | 无<br>No                    | 5                          | 无感应器<br>No sensor |

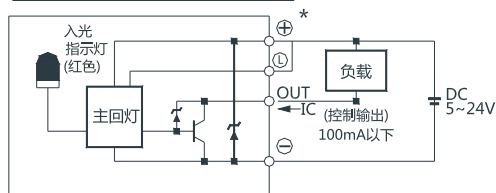
| 非标特注<br>Non-standard, d.c., |                           |
|-----------------------------|---------------------------|
| 无<br>No                     | 无特注<br>No, d.c.,          |
| 001                         | 特注序列号<br>Special order no |

| 感应器类型<br>Sensor type |     |
|----------------------|-----|
| 无<br>No              | NPN |
| P                    | PNP |

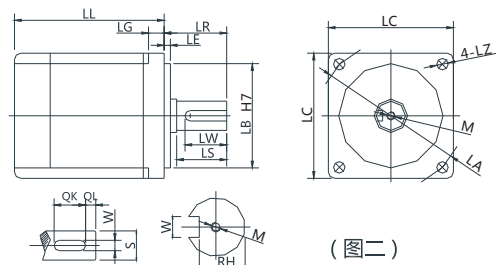
## 基本规格 Specification

|                                                                |                    |                                |                |
|----------------------------------------------------------------|--------------------|--------------------------------|----------------|
| 马达功率 AC (W) Motor power AC(W)                                  | 100W               |                                |                |
| 滚珠丝杆驱动-外径 BallScrewØ                                           | 12(C7级)            |                                |                |
| 重复定位精度 Repeatability                                           | ±0.02mm            |                                |                |
| 导程 Lead(mm)                                                    | 2                  | 5                              | 10             |
| 最快速度 MaximumSpeed(mm/sec)<br>马达转速3000 Motor Speed3000(rpm/min) | 100                | 250                            | 500            |
| 最大载重(kg)<br>Maximum Payload(kg)                                | 水平使用<br>Horizontal | 30                             | 15             |
|                                                                | 垂直使用<br>Vertical   | 15                             | 5              |
| 额定推力(N)<br>Rated Thrust(N)                                     | 650                | 330                            | 165            |
| 直线导轨Linear Guide(mm)                                           | 42x9.5 -1          |                                |                |
| 联轴器<br>Coupling(mm)                                            | 8x8                | (Motor side)x(Ball Screw Side) |                |
|                                                                | 100W               | 马达功率 Motor Output              |                |
| 原点感应器 Home Sensor                                              | 外挂 Outside         | EE-SX672(NPN)                  | EE-SX672P(PNP) |
|                                                                | 导轨安装 Outside Guide | EE-SX674(NPN)                  | EE-SX674P(PNP) |

感应器接线图<原点及端点>



(图一)



(图二)

\*以上重复定位精度是300行程范围内测量所得，如行程加长，则重复定位精度适当放大；行程超过600时，会产生丝杆偏摆，此时请将速度降低；更换不同电机时，请注意图二电机尺寸是否同表一尺寸相同，否则需更换联轴器和马达固定座。

\*Above repeatability is within stroke 300mm, if longer travel needed, it will be lower. In case stroke over 600 will lead to swing of ball screw, please slow down the speed. Please note figure 2 motor size is same with table 1, or needed to replace coupler and motor holder.

## 搭配伺服马达一览表 Servo Motor Matches List

(表一)

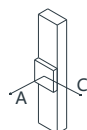
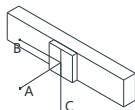
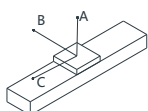
伺服电机外形尺寸

| 功率W  | 品牌            | 型号            | LL                                       | LL(刹车)<br>LL(brake) | LA    | LE    | LZ | LC  | LG  | LW | RH | W  | LR  | S   | LB | M   | QK   | QL    |   |   |
|------|---------------|---------------|------------------------------------------|---------------------|-------|-------|----|-----|-----|----|----|----|-----|-----|----|-----|------|-------|---|---|
| 100W | 松下 Panasonic  | MSMD012G1□    | V: 带刹车 U: 无刹车<br>V:With brake U:No brake |                     | 92    | 122   | 45 | 3   | 3.4 | 38 | 6  | 14 | 6.2 | 3h9 | 25 | 8h6 | 30h7 | M3x6L | - | - |
|      | 台达 Delta      | ECMA-C20401□S | S: 带刹车 R: 无刹车<br>S:With brake R:No brake |                     | 100.6 | 136.6 | 46 | 2.5 | 4.5 | 40 | 5  | 16 | 6.2 | 3   | 25 | 8h6 | 30h7 | M3x8L | - | - |
|      | 三菱 Mitsubishi | HC-KFS12□K    | B: 带刹车□: 无刹车<br>B:With brake □:No brake  |                     | 86.5  | 124.5 | 46 | 2.5 | 4.5 | 42 | 5  | -  | -   | -   | 25 | 8h6 | 30h7 | -     | - | - |

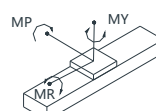
□表示为空

## 容许负载力矩表 Allow Load Torque Table

(单位: mm) (Unit: mm)



(单位: N.m) (Unit: N.m)



| 水平安装<br>Horizontal installation |      | A   | B   | C   |
|---------------------------------|------|-----|-----|-----|
| 导程 5<br>Lead 5                  | 10kg | 374 | 33  | 109 |
|                                 | 30kg | 159 | 0   | 25  |
| 导程 10<br>Lead 10                | 3kg  | 642 | 125 | 335 |
|                                 | 8kg  | 273 | 41  | 121 |
|                                 | 15kg | 216 | 24  | 77  |

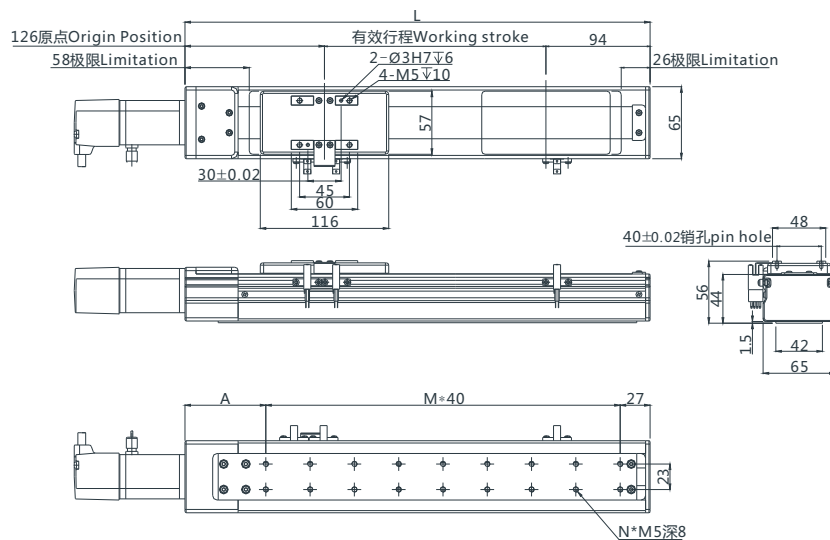
| 墙面安装<br>Wall installation |      | A   | B  | C   |
|---------------------------|------|-----|----|-----|
| 导程 5<br>Lead 5            | 5kg  | 204 | 45 | 530 |
|                           | 10kg | 72  | 0  | 245 |
|                           | 30kg | 0   | 0  | 0   |
| 导程 10<br>Lead 10          | 3kg  | 293 | 96 | 510 |
|                           | 8kg  | 89  | 14 | 210 |
|                           | 15kg | 43  | 0  | 130 |

| 垂直安装<br>Vertical installation |      | A   | C   |
|-------------------------------|------|-----|-----|
| 导程 5<br>Lead 5                | 2kg  | 171 | 172 |
|                               | 4kg  | 73  | 74  |
|                               | 10kg | 23  | 26  |
| 导程 10<br>Lead 10              | 1kg  | 355 | 352 |
|                               | 2kg  | 165 | 165 |
|                               | 5kg  | 70  | 72  |

|    |    |
|----|----|
| MY | 35 |
| MP | 40 |
| MR | 50 |

BC:直联外置(External)

单位 ( mm )



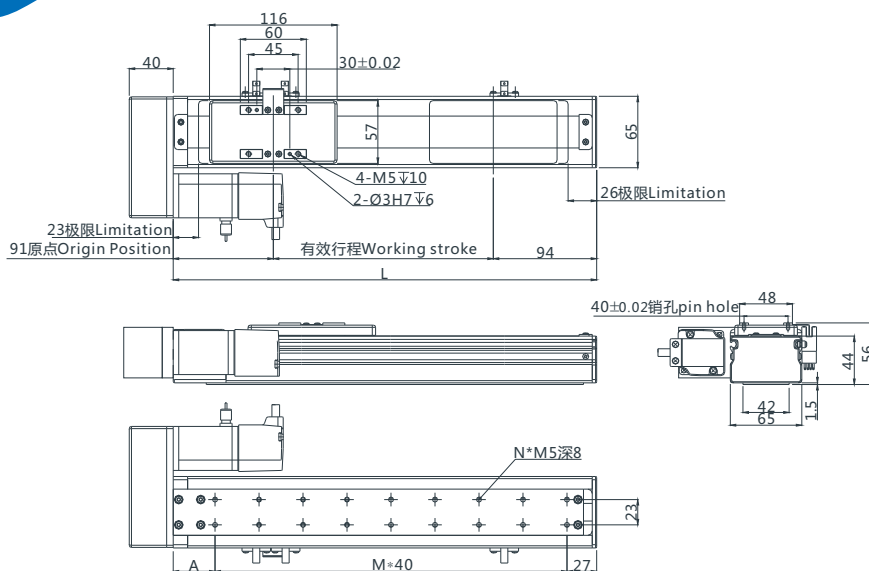
注:以下不含电机重量。Note: Not including motor weight.

|                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 有效行程<br>Working Stroke | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800  |
| L                      | 320 | 370 | 420 | 470 | 520 | 570 | 620 | 670 | 720 | 770 | 820 | 870 | 920 | 970 | 1020 |
| M                      | 5   | 7   | 8   | 9   | 10  | 12  | 13  | 14  | 15  | 17  | 18  | 19  | 20  | 22  | 23   |
| N                      | 12  | 16  | 18  | 20  | 22  | 26  | 28  | 30  | 32  | 36  | 38  | 40  | 42  | 46  | 48   |
| A                      | 93  | 63  | 73  | 83  | 93  | 63  | 73  | 83  | 93  | 63  | 73  | 83  | 93  | 63  | 73   |
| 重量KG<br>Weight KG      | 2.6 | 2.8 | 3   | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2 | 5.4  |

\*如有特殊行程请先与技术人员联系。\*In case special stroke please contact technical services.

BL:马达左折( Left Side)

单位 ( mm )



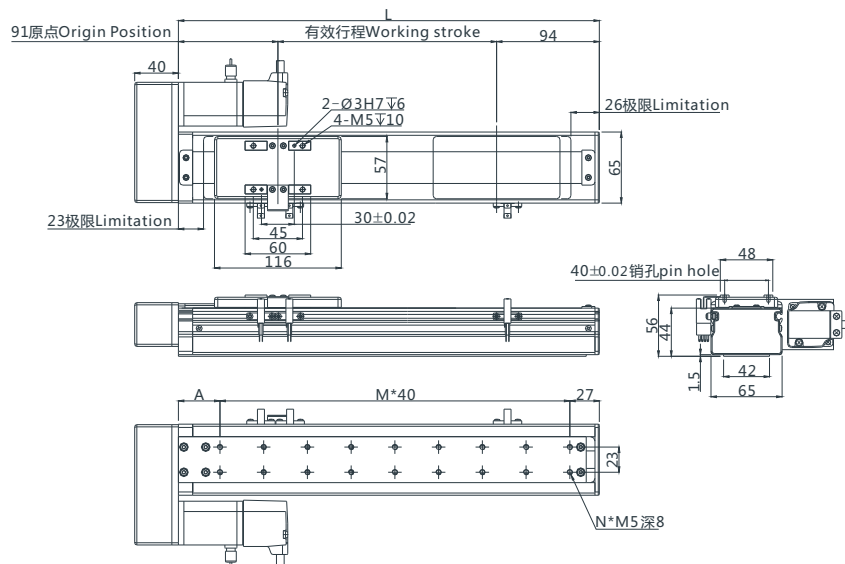
注:以下不含电机重量。Note: Not including motor weight.

|                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 有效行程<br>Working Stroke | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
| L                      | 285 | 335 | 385 | 435 | 485 | 535 | 585 | 635 | 685 | 735 | 785 | 835 | 885 | 935 | 985 |
| M                      | 5   | 6   | 8   | 9   | 10  | 11  | 13  | 14  | 15  | 16  | 18  | 19  | 20  | 21  | 23  |
| N                      | 12  | 14  | 18  | 20  | 22  | 24  | 28  | 30  | 32  | 34  | 38  | 40  | 42  | 44  | 48  |
| A                      | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  |
| 重量KG<br>Weight KG      | 2.6 | 2.8 | 3   | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2 | 5.4 |

\*如有特殊行程请先与技术人员联系。\*In case special stroke please contact technical services.

## BR:马达右折(Right Side)

单位 ( mm )



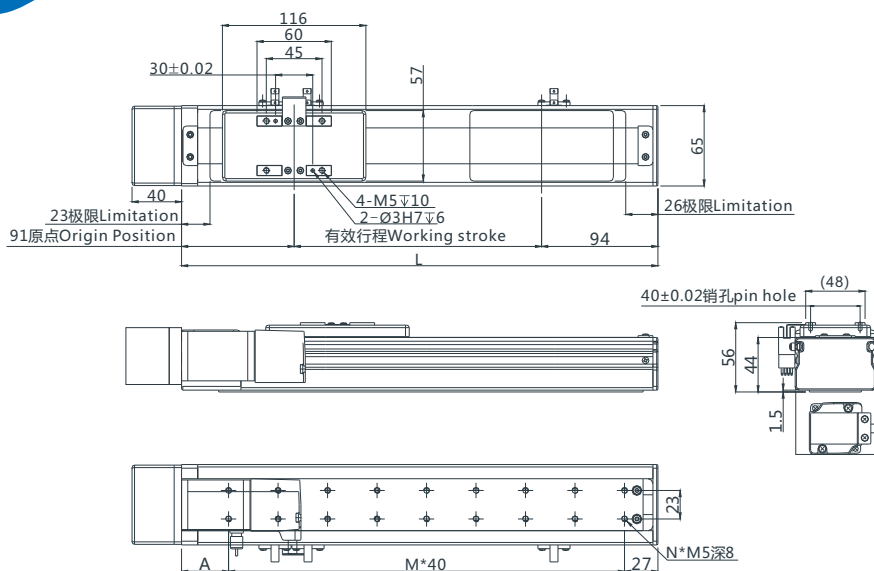
注:以下不含电机重量。Note: Not including motor weight.

| 有效行程<br>Working Stroke | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L                      | 285 | 335 | 385 | 435 | 485 | 535 | 585 | 635 | 685 | 735 | 785 | 835 | 885 | 935 | 985 |
| M                      | 5   | 6   | 8   | 9   | 10  | 11  | 13  | 14  | 15  | 16  | 18  | 19  | 20  | 21  | 23  |
| N                      | 12  | 14  | 18  | 20  | 22  | 24  | 28  | 30  | 32  | 34  | 38  | 40  | 42  | 44  | 48  |
| A                      | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  |
| 重量KG<br>Weight KG      | 2.6 | 2.8 | 3   | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2 | 5.4 |

\*如有特殊行程请先与技术人员联系。\*In case special stroke please contact technical services.

## BM:马达下折(Bottom Side)

单位 ( mm )



注:以下不含电机重量。Note: Not including motor weight.

| 有效行程<br>Working Stroke | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| L                      | 285 | 335 | 385 | 435 | 485 | 535 | 585 | 635 | 685 | 735 | 785 | 835 | 885 | 935 | 985 |
| M                      | 5   | 6   | 8   | 9   | 10  | 11  | 13  | 14  | 15  | 16  | 18  | 19  | 20  | 21  | 23  |
| N                      | 12  | 14  | 18  | 20  | 22  | 24  | 28  | 30  | 32  | 34  | 38  | 40  | 42  | 44  | 48  |
| A                      | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  | 48  | 58  | 68  | 38  |
| 重量KG<br>Weight KG      | 2.6 | 2.8 | 3   | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2 | 5.4 |

\*如有特殊行程请先与技术人员联系。\*In case special stroke please contact technical services.