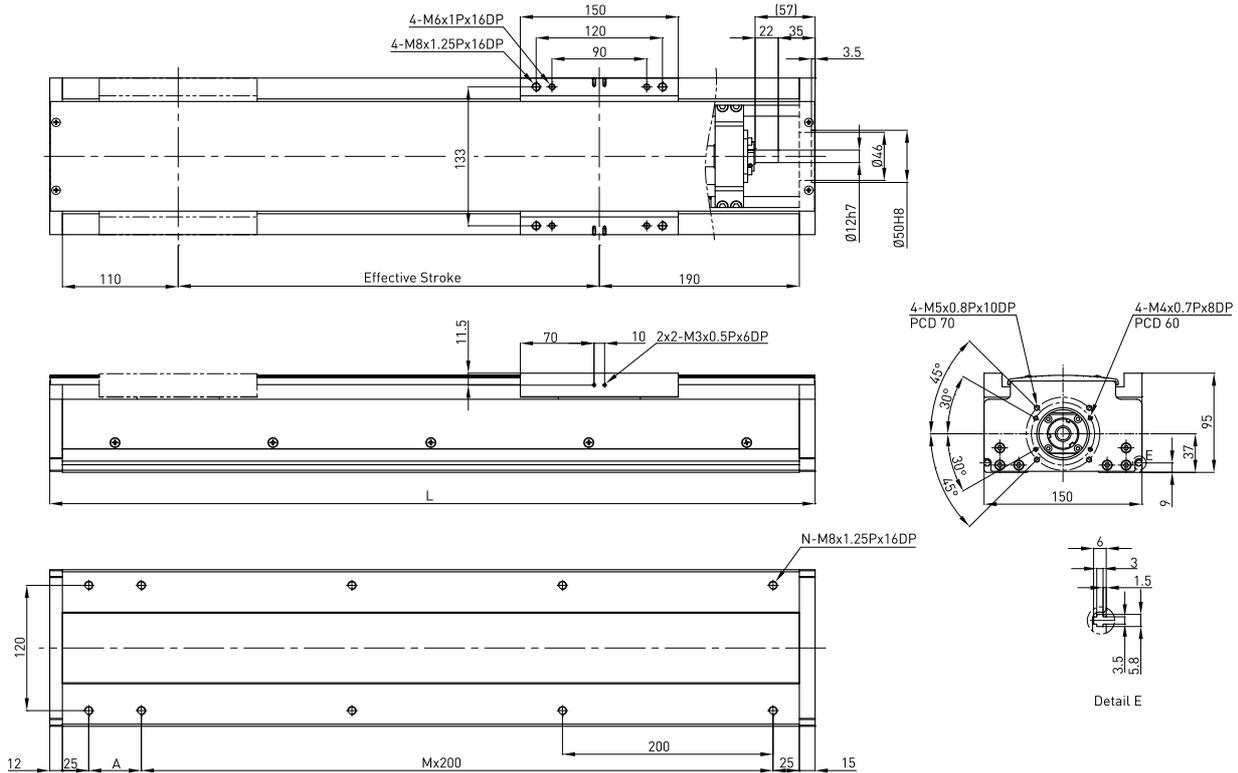


## Model Number for KA150

| KA150 | -10            | P                               | -1250            | A              | F0           | U   | S1   | M  |
|-------|----------------|---------------------------------|------------------|----------------|--------------|---|--|--|
| Model | Lead           | Precision Grade                 | Effective Stroke | Slider Type    | Motor Flange | Cover   | Limit Switch   | Motor  |
|       | 10 mm<br>20 mm | C:<br>Normal<br>P:<br>Precision |                  | A:<br>Standard | F0 : Direct  | U:<br>Without Cover<br>None :<br>Standard Cover | S1: OMRON SX671<br>S2: OMRON SX674<br>S3: SUNX GX-F12A<br>S4: SUNX GX-F12A-P<br>None: Without Sensor | M:<br>Supplied<br>With Motor<br>None:<br>Without Motor |



| Effective stroke (mm) | L    | A   | M | N  | Weight (kg) | AC motor output  | W                    | 200       |         |
|-----------------------|------|-----|---|----|-------------|--|----------------------|-----------|---------|
| 150                   | 477  | 200 | 1 | 6  | 12.71       | Drive  | Ballscrew C7(normal) |           |         |
| 200                   | 527  | 50  | 2 | 8  | 13.59       | Lead   | mm                   | 10 20     |         |
| 250                   | 577  | 100 | 2 | 8  | 14.47       | Rated RPM  | RPM                  | 3000 3000 |         |
| 300                   | 627  | 150 | 2 | 8  | 15.35       | Max linear speed*  | mm/sec               | 500 1000  |         |
| 350                   | 677  | 200 | 2 | 8  | 16.23       | Rated thrust   | N                    | 280 140   |         |
| 400                   | 727  | 50  | 3 | 10 | 17.11       | Repeatability  | mm                   | ±0.02     |         |
| 450                   | 777  | 100 | 3 | 10 | 17.99       | Effective stroke   | mm                   | 100~1050  |         |
| 500                   | 827  | 150 | 3 | 10 | 18.87       | Max load (H)   | kg                   | 64 32     |         |
| 550                   | 877  | 200 | 3 | 10 | 19.75       |  | Fyd                  | N         | 50 50   |
| 600                   | 927  | 50  | 4 | 12 | 20.63       |  | Fzd                  | N         | 640 320 |
| 650                   | 977  | 100 | 4 | 12 | 21.51       |  | Mxd                  | N-m       | 62 66   |
| 700                   | 1027 | 150 | 4 | 12 | 22.39       |  | Myd                  | N-m       | 81 86   |
| 750                   | 1077 | 200 | 4 | 12 | 23.27       |  | Mzd                  | N-m       | 30 33   |
| 800                   | 1127 | 50  | 5 | 14 | 24.15       |  |                      |           |         |
| 850                   | 1177 | 100 | 5 | 14 | 25.03       | <b>Permitted load condition***</b><br>$\frac{F_y}{F_{yd}} + \frac{F_z}{F_{zd}} + \frac{M_x}{M_{xd}} + \frac{M_y}{M_{yd}} + \frac{M_z}{M_{zd}} \leq 1$ Fy, Fz, Mx, My, Mz are working loads |                      |           |         |
| 900                   | 1227 | 150 | 5 | 14 | 25.91       |  |                      |           |         |
| 950                   | 1277 | 200 | 5 | 14 | 26.79       |  |                      |           |         |
| 1000                  | 1327 | 50  | 6 | 16 | 27.67       |  |                      |           |         |
| 1050                  | 1377 | 100 | 6 | 16 | 28.55       |  |                      |           |         |
| 1100                  | 1427 | 150 | 6 | 16 | 29.43       |  |                      |           |         |
| 1150                  | 1477 | 200 | 6 | 16 | 30.31       |  |                      |           |         |
| 1200                  | 1527 | 50  | 7 | 18 | 31.19       |  |                      |           |         |
| 1250                  | 1577 | 100 | 7 | 18 | 32.07       |  |                      |           |         |

\* Vibration might occur when the effective stroke is longer than 700mm.  
 The maximum speed should be decreased by 15% for every 100mm of increased stroke.  
 \*\* The load condition is based on 10,000km operation.  
 \*\*\* If used on the vertical axis or in a special condition, please contact HIWIN.