

MEQYC-50 series

ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



Mindman



Specification

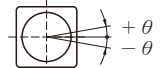
| Model | MEQYC-50 | |
|--|-------------------|-----|
| Repeatability (mm) | ±0.01 | |
| Ball screw lead (mm) | 5 | 10 |
| Maximum speed (mm/s) ^{※1} | 250 | 500 |
| Maximum payload | Horizontal(kg) | 30 |
| | Vertical (kg) | 15 |
| Rated thrust (N) | 565 | 283 |
| Stroke / pitch (mm) ^{※2} | 50~300 / 50 Pitch | |
| Motor dimension (mm) | □42 | |
| Ball screw spec (mm) | C7 φ 12 | |
| Anti-rotating accuracy (θ) ^{※3} | ±1° | |

※1.The maximum speed shown here is when software speed setting is 100%.

※2.When the stroke is over 200mm, the run-out of the ball screw will occur. We recommend to low down the working speed under this circumstances.

※3.Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod. This may cause deformation of the anti-rotating guide, abnormal responses of the auto switch, play in the internal guide or an increase in the sliding resistance.

Anti-rotating accuracy of rod



Order example of cylinder

MEQYC-50 — L05 — 100 — M — TC100 — 03 — A0001

| | | | | | |
|-------------------------|------------------------|--------------------------|---|-----------------------------------|---|
| Model | Spec. | | | | Special order no. |
| Ball screw brand | Ball screw lead | Stroke | Motor position | Corresponding controller | Cable length |
| L T-Standard MIT | 05 5 mm 10 10 mm | 50~300 mm 50 mm pitch | M Built-in BM On lower side BW On upper side BR On right side BL On left side | TC100 ※ Please refer to 4-128. | 01 1m 03 3m 05 5m 10 10m ※ Standard: 3m |

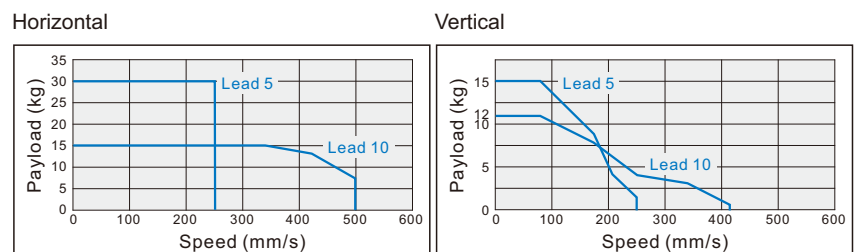
Order example of controller

TC100 — 03

| | |
|-------------------|---|
| Controller | Cable length |
| TC100 | Blank No cable 01 1m 03 3m 05 5m 10 10m |

※ Standard: 3m

Speed-payload curve diagram



MEQYC-50 Dimensions

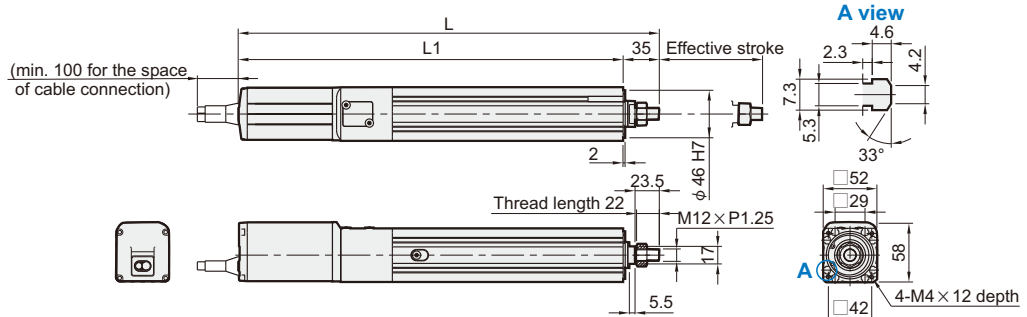
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M

Motor built-in

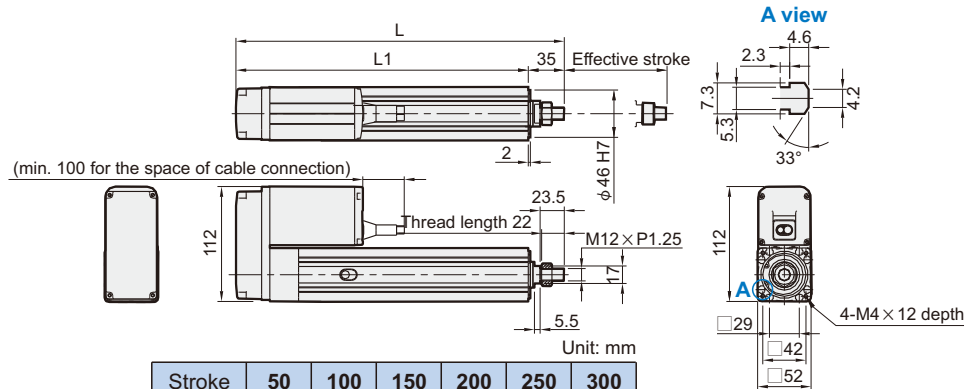


Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 |
|-----------|------|------|------|-----|------|------|
| L | 358 | 408 | 458 | 508 | 558 | 608 |
| L1 | 323 | 373 | 423 | 473 | 523 | 573 |
| KG | 2.62 | 2.88 | 3.14 | 3.4 | 3.67 | 3.84 |

BW

Motor on upper side

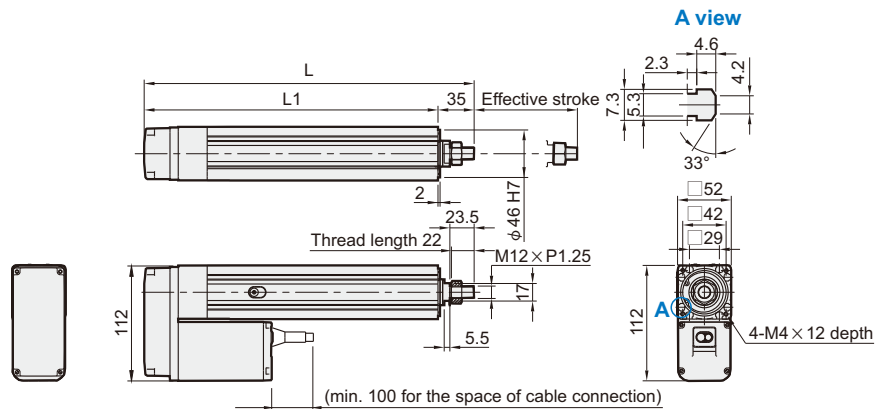


Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 |
|-----------|------|------|------|-----|------|------|
| L | 260 | 310 | 360 | 410 | 460 | 510 |
| L1 | 225 | 275 | 325 | 375 | 425 | 475 |
| KG | 3.62 | 3.88 | 4.14 | 4.4 | 4.67 | 4.84 |

BM

Motor on lower side



Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 |
|-----------|------|------|------|-----|------|------|
| L | 260 | 310 | 360 | 410 | 460 | 510 |
| L1 | 225 | 275 | 325 | 375 | 425 | 475 |
| KG | 3.62 | 3.88 | 4.14 | 4.4 | 4.67 | 4.84 |

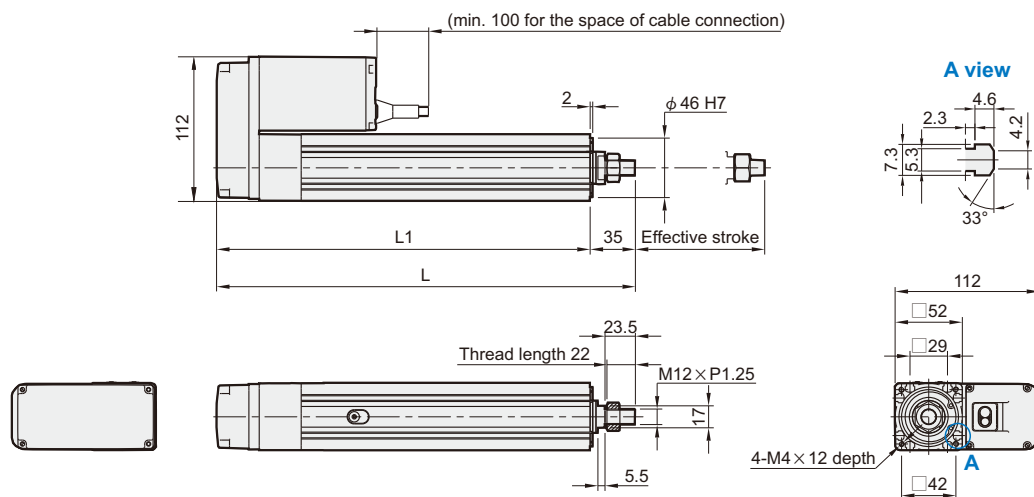
MEQYC-50 Dimensions

ROD ELECTRIC CYLINDER - BALL SCREW DRIVE (WITH MOTOR)



BR

Motor on right side

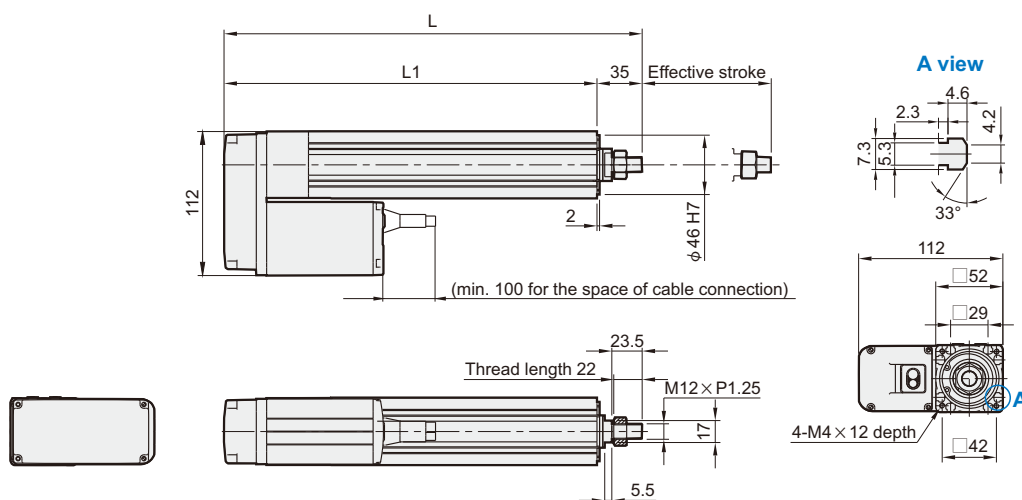


Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 |
|-----------|------|------|------|-----|------|------|
| L | 260 | 310 | 360 | 410 | 460 | 510 |
| L1 | 225 | 275 | 325 | 375 | 425 | 475 |
| KG | 3.62 | 3.88 | 4.14 | 4.4 | 4.67 | 4.84 |

BL

Motor on left side



Unit: mm

| Stroke | 50 | 100 | 150 | 200 | 250 | 300 |
|-----------|------|------|------|-----|------|------|
| L | 260 | 310 | 360 | 410 | 460 | 510 |
| L1 | 225 | 275 | 325 | 375 | 425 | 475 |
| KG | 3.62 | 3.88 | 4.14 | 4.4 | 4.67 | 4.84 |