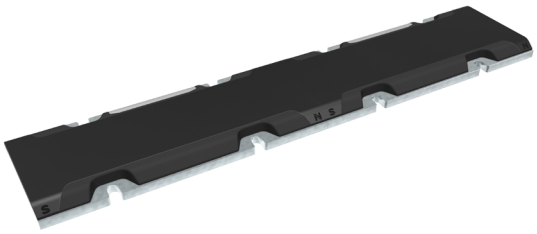
# UNIMOTION

## MPA 90 120 H DATASHEET

### High-performance magnet plate

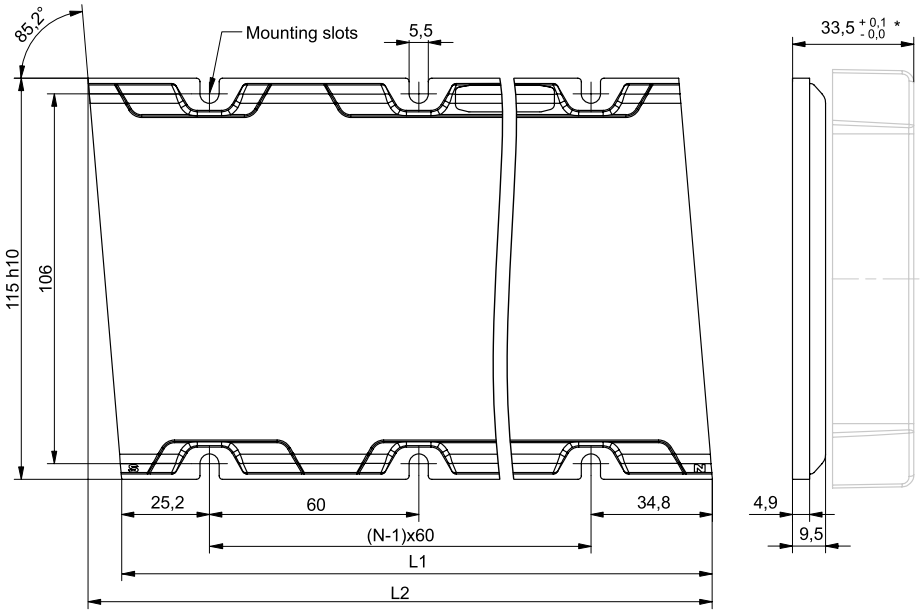


Strong rare-earth magnets
Length: 120 mm

#### General technical data

| | PARAMETER | SYM | UNIT | VALUE |
|---|---|---|---|---|
| THERMAL | Max. Allowed magnet plate temperature | $T_{magnet}$ | °C | 90 |
| MECHANICAL | Magnet plate weight | $m_S$ | $\frac{kg}{m}$ | 7,6 |

### Magnet plate dimensions

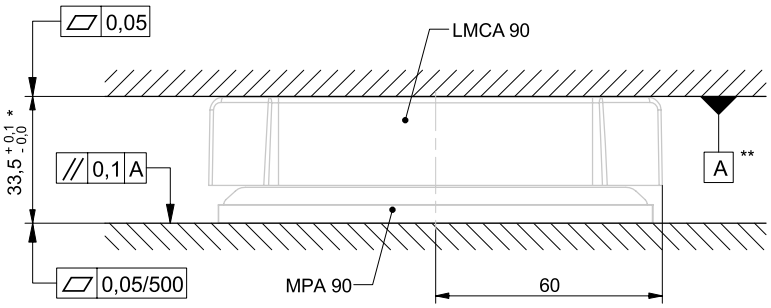



* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

| MPA 90 | L1 [mm] | L2 [mm] | N |
|---|---|---|---|
| MPA 90 120 H | 120 | 129,6 | 2 |

'N' is the number of mounting slots in the x-direction.

#### Mounting tolerances



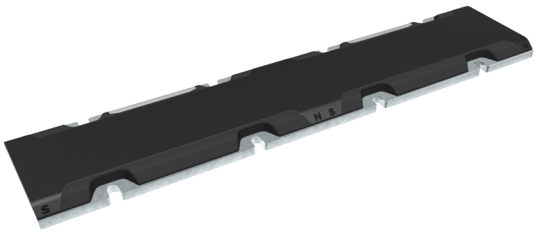

* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.

# UNIMOTION

## MPA 90 180 H DATASHEET

### High-performance magnet plate

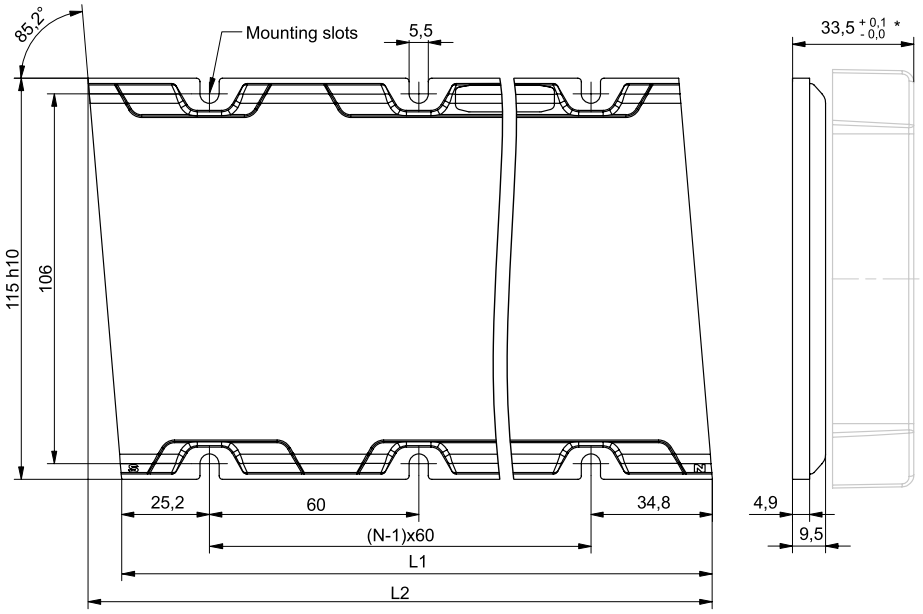


Strong rare-earth magnets
Length: 180 mm

#### General technical data

| | PARAMETER | SYM | UNIT | VALUE |
|---|---|---|---|---|
| THERMAL | Max. Allowed magnet plate temperature | $T_{magnet}$ | °C | 90 |
| MECHANICAL | Magnet plate weight | $m_S$ | $\frac{kg}{m}$ | 7,6 |

### Magnet plate dimensions

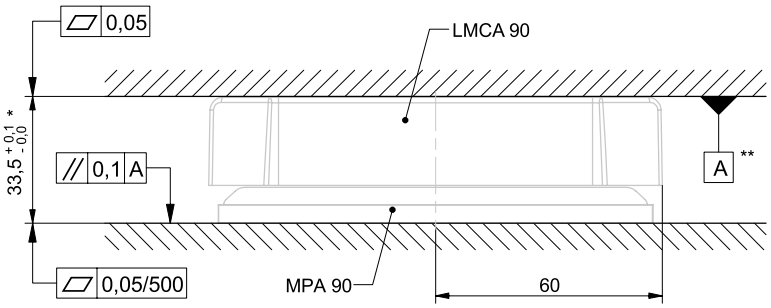



* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

| MPA 90 | L1 [mm] | L2 [mm] | N |
|---|---|---|---|
| MPA 90 180 H | 180 | 189,6 | 3 |

'N' is the number of mounting slots in the x-direction.

#### Mounting tolerances




* The stated mounting height is set for the air gap of 0,6 mm.
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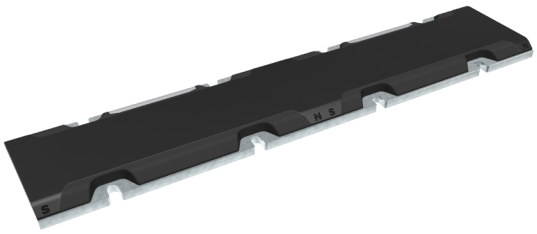
** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.

# UNIMOTION

## MPA 90 300 H DATASHEET

### High-performance magnet plate

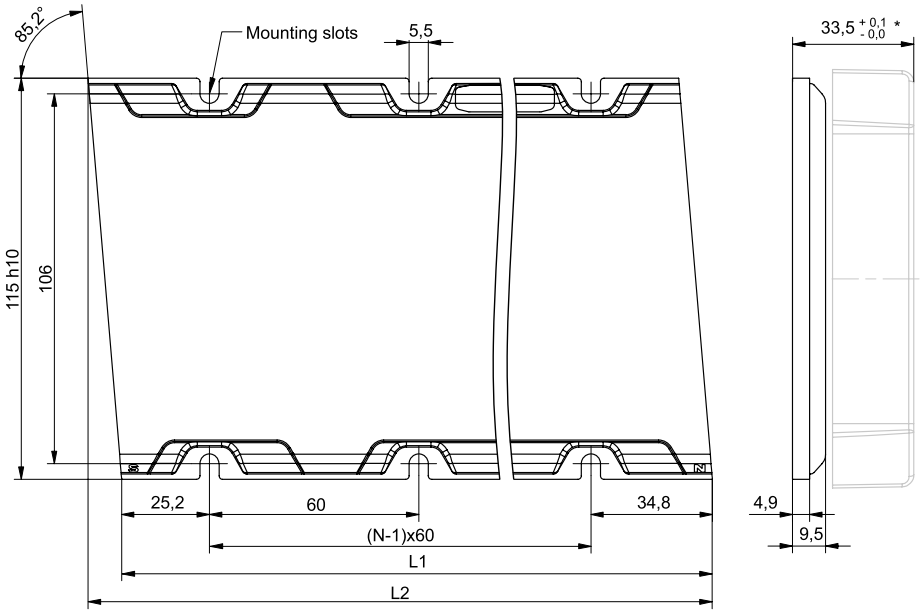


Strong rare-earth magnets
Length: 300 mm

#### General technical data

| | PARAMETER | SYM | UNIT | VALUE |
|---|---|---|---|---|
| THERMAL | Max. Allowed magnet plate temperature | $T_{magnet}$ | °C | 90 |
| MECHANICAL | Magnet plate weight | $m_S$ | $\frac{kg}{m}$ | 7,6 |

### Magnet plate dimensions

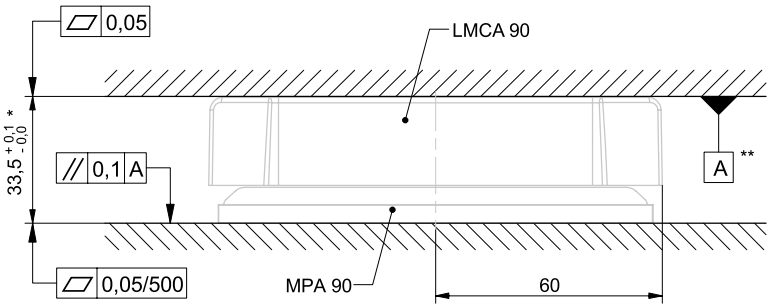



* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

| MPA 90 | L1 [mm] | L2 [mm] | N |
|---|---|---|---|
| MPA 90 300 H | 300 | 309,6 | 5 |

'N' is the number of mounting slots in the x-direction.

#### Mounting tolerances




* The stated mounting height is set for the air gap of 0,6 mm.
For more information, please refer to the Linear Motors catalogue.

** We recommend using a thermally conductive paste between the forcer and heatsink to ensure a better heat transfer.