PRODUCT DATASHEET

# ES-LM-C04-S009-V012

Precision Linear Motion Assembly

Ball Screw Linear Module | Ball Screw Linear Module Platform 05 Series

## Product Overview

Precision Linear Motion Assembly with working Stroke 240 mm, overall Length 431 mm and module Mass 5.3 kg.

## Key Specifications

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 240 | mm |
| Overall Length | 431 | mm |
| Module Mass | 5.3 | kg |
| Configured Motor Power | 400 | W |
| Motor Mounting Style | Left Side Motor | |
| Mounting Hole Count | 7 | |

# Technical Specifications

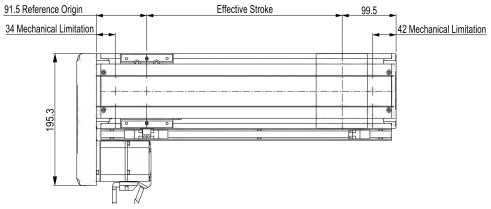
| PARAMETER | SPECIFICATION | UNIT |
|---|---|---|
| **MECHANICAL** | | |
| Working Stroke | 240 | mm |
| Overall Length | 431 | mm |
| Module Mass | 5.3 | kg |
| **INTEGRATION** | | |
| Mounting Hole Count | 7 | |
| **CONFIGURATION** | | |
| Motor Mounting Style | Left Side Motor | |
| Configured Motor Power | 400 | W |

# Dimensional & Integration Overview

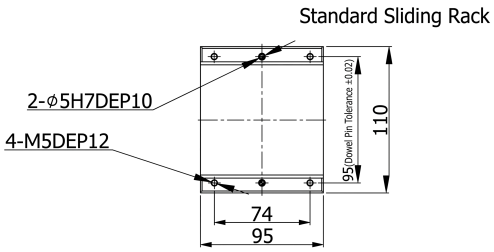
## Mechanical Overview

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 240 | mm |
| Overall Length | 431 | mm |
| Module Mass | 5.3 | kg |
| Mounting Hole Count | 7 | |
| Motor Mounting Style | Left Side Motor | |

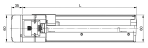
## Dimensional Drawings



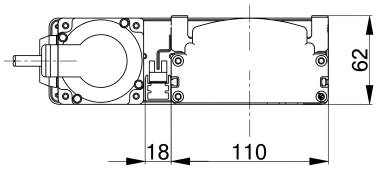

Mechanical View 1



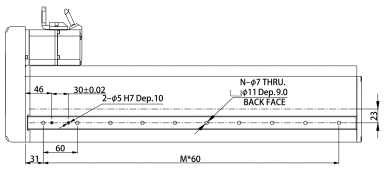

Mechanical View 2



Mechanical View 3




Mechanical View 4




Mechanical View 5

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 1 | Effective Stroke | Not specified |
| | Right Side Distance | 99.5 mm |
| | Left Mechanical Limitation | 34 mm |
| | Right Mechanical Limitation | 42 mm |
| | Overall Height | 195.3 mm |
| Mechanical View 2 | Dowel pin holes | 2× φ5H7 depth 10mm |
| | Threaded mounting holes | 4× M5 threaded holes depth 12mm |
| | Dowel pin hole center distance with tolerance | 95 ±0.02mm |
| | Overall height of sliding rack | 110mm |
| | Mounting plate width (inner) | 74mm |
| | Mounting plate width (outer) | 95mm |
| Mechanical View 3 | Left end face width | 35 |
| | Overall length (variable) | L (variable) |
| | Left side height | 60 |
| | Right side height | |
| Mechanical View 4 | Overall Height | 62 mm |
| | Front Section Width | 18 mm |
| | Main Body Length | 110 mm |

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 5 | Through hole diameter | N holes φ7 through |
| | Mounting offset distance | 46 |
| | Mounting hole spacing | 30±0.02 |
| | Counterbore specification | φ11 Depth 9.0 |
| | Precision hole specification | 2 holes φ5 H7 Depth 10 |
| | Position label | Back face |
| | Vertical height | 23 |
| | Horizontal offset | 60 |
| | Left edge distance | 31 |
| | Overall length | M*60 |

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01 Specifications are subject to change without notice. Verify the current product configuration before final design release.

02 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.