PRODUCT DATASHEET

# ES-LM-C04-S008-V024

Precision Linear Motion Assembly

Ball Screw Linear Module | Ball Screw Linear Module Platform 04 Series

## Product Overview

Precision Linear Motion Assembly with working Stroke 600 mm, overall Length 791 mm and module Mass 6.4 kg.

## Key Specifications

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 600 | mm |
| Overall Length | 791 | mm |
| Module Mass | 6.4 | kg |
| Configured Motor Power | 400 | W |
| Motor Mounting Style | External Direct Coupling | |
| Mounting Hole Count | 13 | |

# Technical Specifications

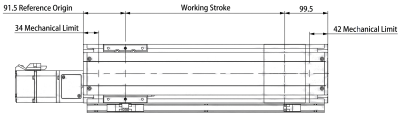
| PARAMETER | SPECIFICATION | UNIT |
|---|---|---|
| **MECHANICAL** | | |
| Working Stroke | 600 | mm |
| Overall Length | 791 | mm |
| Module Mass | 6.4 | kg |
| **INTEGRATION** | | |
| Mounting Hole Count | 13 | |
| **CONFIGURATION** | | |
| Motor Mounting Style | External Direct Coupling | |
| Configured Motor Power | 400 | W |

# Dimensional & Integration Overview

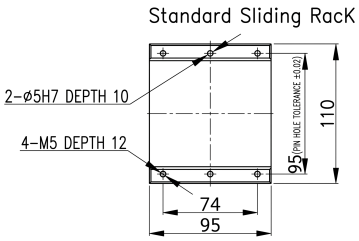
## Mechanical Overview

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 600 | mm |
| Overall Length | 791 | mm |
| Module Mass | 6.4 | kg |
| Mounting Hole Count | 13 | |
| Motor Mounting Style | External Direct Coupling | |

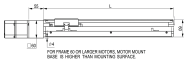
## Dimensional Drawings



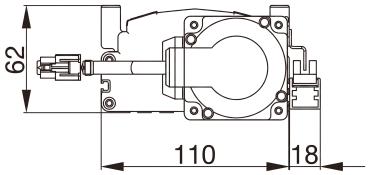

Mechanical View 1



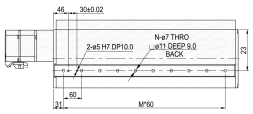

Mechanical View 2



Mechanical View 3




Mechanical View 4



Mechanical View 5

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 1 | Working stroke | Not specified |
| | End clearance distance | 99.5 mm |
| | Left mechanical limit | 34 mm |
| | Right mechanical limit | 42 mm |
| Mechanical View 2 | Dowel pin holes | 2 holes, φ5H7, depth 10 mm |
| | Mounting threaded holes | 4 holes, M5 threaded, depth 12 mm |
| | Pin hole positional tolerance | ±0.02 mm |
| | Total height | 110 mm |
| | Inner width | 74 mm |
| | Total width | 95 mm |
| Mechanical View 3 | Mounting surface offset | 55 mm |
| | Overall length L | Variable dimension L |
| | Motor mounting frame size | □60 mm |
| | Mounting hole diameter | Φ4 mm |
| | Height dimension | 60 mm |
| Mechanical View 4 | Overall Height | 62 mm |
| | Overall Length | 110 mm |
| | Right End Extension Length | 18 mm |

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 5 | Edge to first mounting hole center distance | 46 |
| | Mounting hole pitch | 30±0.02 |
| | Number and diameter of through holes | N-φ7 THRO |
| | Counterbore diameter and depth | φ11 DEEP 9.0 |
| | Number, diameter, tolerance and depth of locating holes | 2-φ5 H7 DP10.0 |
| | Height dimension | 23 |
| | View identifier | BACK |
| | Hole diameter | φ9 |
| | Overall length (reference dimension) | M*60 |
| | End face to hole center distance | 31 |

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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.