PRODUCT DATASHEET

# ES-LM-C04-S010-V032

Precision Linear Motion Assembly

Ball Screw Linear Module | Ball Screw Linear Module Platform 06 Series

## Product Overview

Precision Linear Motion Assembly with working Stroke 780 mm, overall Length 971 mm and module Mass 8 kg.

## Key Specifications

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 780 | mm |
| Overall Length | 971 | mm |
| Module Mass | 8 | kg |
| Configured Motor Power | 400 | W |
| Motor Mounting Style | Right Side Motor | |
| Mounting Hole Count | 16 | |

# Technical Specifications

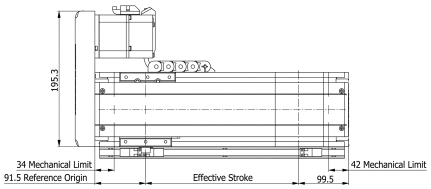
| PARAMETER | SPECIFICATION | UNIT |
|---|---|---|
| **MECHANICAL** | | |
| Working Stroke | 780 | mm |
| Overall Length | 971 | mm |
| Module Mass | 8 | kg |
| **INTEGRATION** | | |
| Mounting Hole Count | 16 | |
| **CONFIGURATION** | | |
| Motor Mounting Style | Right Side Motor | |
| Configured Motor Power | 400 | W |

# Dimensional & Integration Overview

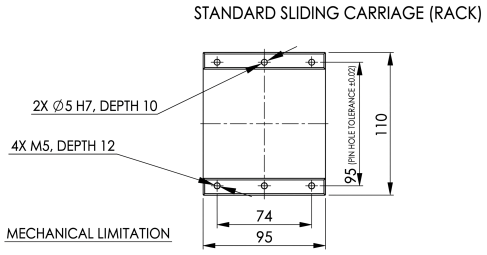
## Mechanical Overview

| PARAMETER | VALUE | UNIT |
|---|---|---|
| Working Stroke | 780 | mm |
| Overall Length | 971 | mm |
| Module Mass | 8 | kg |
| Mounting Hole Count | 16 | |
| Motor Mounting Style | Right Side Motor | |

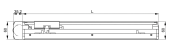
## Dimensional Drawings



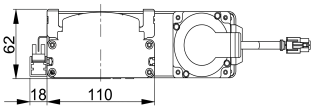

Mechanical View 1



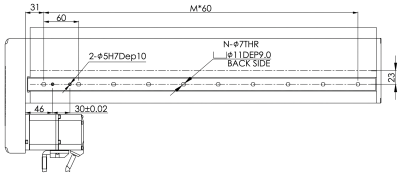

Mechanical View 2



Mechanical View 3




Mechanical View 4




Mechanical View 5

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 1 | Overall height | 195.3 mm |
| | Left mechanical limit distance | 34 mm mechanical limit |
| | Right mechanical limit distance | 42 mm mechanical limit |
| | Effective stroke | Not specified |
| | Right end distance | 99.5 mm |
| Mechanical View 2 | Component name | Standard sliding carriage rack |
| | Dowel pin hole specification | 2 holes, diameter 5 H7, depth 10 |
| | Mounting threaded hole specification | 4 M5 threaded holes, depth 12 |
| | Pin hole tolerance | Pin hole tolerance ±0.02 |
| | Pin hole center distance | 95 |
| | Overall rack height | 110 |
| | Inner hole spacing | 74 |
| | Outer hole spacing | 95 |
| | Mechanical limitation note | Mechanical limitation |
| Mechanical View 3 | Left end local length | 35.2 mm |
| | Overall body height | 60 mm |

## 2D Drawing Dimensions & Callouts

| VIEW | FIELD | VALUE |
|---|---|---|
| Mechanical View 4 | Overall height | 62 |
| | Partial width (left section) | 18 |
| | Main body width (center section) | 110 |
| Mechanical View 5 | Local dimension | 31 mm |
| | Overall length | M*60 mm |
| | Local dimension | 60 mm |
| | Through hole specification | N holes, φ7 through |
| | Hole specification (back side) | φ11 depth 9.0 mm |
| | Precision hole specification | 2 holes, φ5H7 depth 10 mm |
| | Location note | Back side |
| | Height dimension | 23 mm |
| | Local width | 46 mm |
| | Precision dimension with tolerance | 30±0.02 mm |

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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.