PRODUCT DATASHEET

ES-LM-C04-S010-V018

Precision Linear Motion Assembly

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

Product Overview

Precision Linear Motion Assembly with working Stroke 420 mm, overall Length 611 mm and module Mass 6.2 kg.

Key Specifications

PARAMETER	VALUE	UNIT
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	6.2	kg
Configured Motor Power	400	W
Motor Mounting Style	Right Side Motor	
Mounting Hole Count	10	

Technical Specifications

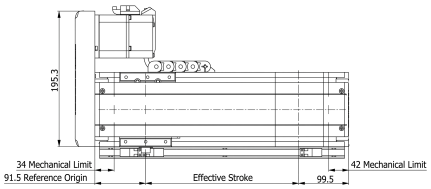
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	6.2	kg
INTEGRATION		
Mounting Hole Count	10	
CONFIGURATION		
Motor Mounting Style	Right Side Motor	
Configured Motor Power	400	W

Dimensional & Integration Overview

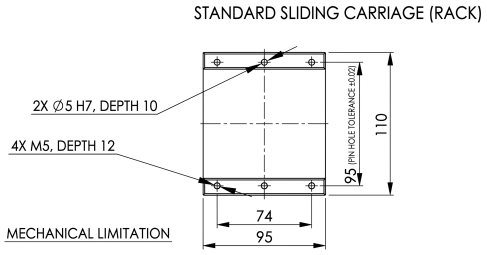
Mechanical Overview

PARAMETER	VALUE	UNIT
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	6.2	kg
Mounting Hole Count	10	
Motor Mounting Style	Right Side Motor	

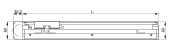
Dimensional Drawings



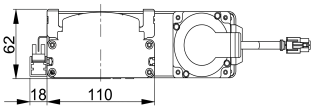
Mechanical View 1



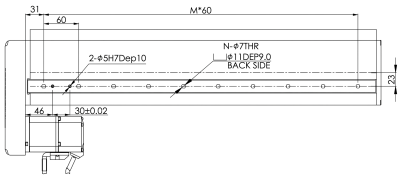
Mechanical View 2



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.