PRODUCT DATASHEET

ES-LM-C04-S009-V018

Precision Linear Motion Assembly

Ball Screw Linear Module | Ball Screw Linear Module Platform 05 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	Left Side Motor	
Mounting Hole Count	10	

Technical Specifications

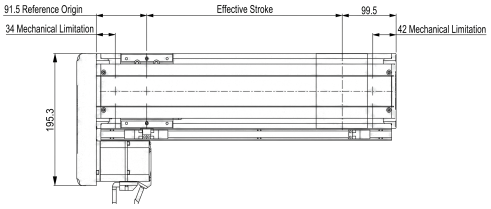
PARAMETER	SPECIFICATION	UNIT
MECHANICAL		
Working Stroke	420	mm
Overall Length	611	mm
Module Mass	6.2	kg
INTEGRATION		
Mounting Hole Count	10	
CONFIGURATION		
Motor Mounting Style	Left Side Motor	
Configured Motor Power	400	W

Dimensional & Integration Overview

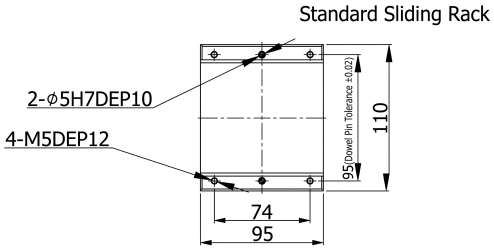
Mechanical Overview

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

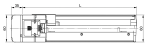
Dimensional Drawings



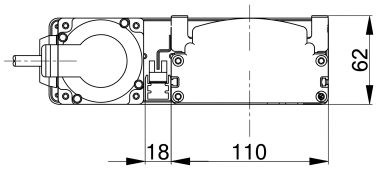
Mechanical View 1



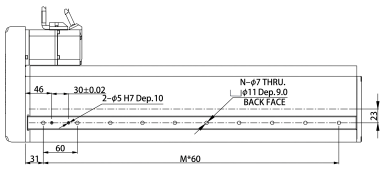
Mechanical View 2



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.