

Linear Motor Module

- Fully-Sealed Structure
- Max. Stroke: 5500mm
- Max. Speed 5m/s
- Motor Continuous Thrust Range: 292N~1166N
- Rail Specification: 20-2 PCS



Linear Motion

Horizontal/Vertical

Angular

Rotary

Vertical to Rotary

Model Number Designation System

MNK270 - 2000 - 400 - 880 - 1 H 03 - G A 01 C

MNK Series

Base Width  
270 (mm)

Effective Stroke  
100-5500 (mm)

Continuous Thrust  
400-1600 (N)

Peak Thrust  
880-3520 (N)

Quantity of Mover Bases:  
1-n PCS

H: With Hall Sensor  
N: Without Hall Sensor

Note:  
Magnetic grating scale resolution: Standard 1μm  
Optical grating scale resolution: Standard 0.1μm or 0.5μm  
Please refer to the corresponding technical drawings for dust protection specifications.

C: Steel Band Type  
D: Sealed Type

Resolution:  
01: 0.1μm  
05: 0.5μm  
10: 1μm

A: Absolute Value  
B: Incremental Type

G: Optical Grating  
C: Magnetic Grating

Cable Length

MNK270-MKM100-3: Basic Parameters

Series			MNK270			
Peak Thrust (N)			3520			
Continuous Thrust (N)			1600			
Stroke (mm)			100–5500			
Repeated Positioning Precision (μm)	Feedback Type	Resolution	100–1000	1001–2000	2001–2900	2901-5500
	Optical Grating Scale	0.1μm	±1	±2	±3	±4
		0.5μm	±1	±2	±3	±4
	Magnetic Grating Scale	1μm	±2	±3	±5	±7
Max. Load Capacity (kg)			100			
Max. Speed (No Load) (m/s)	Resolution: 0.5μm/1μm		4			
	Resolution: 0.1μm		1.5			
Max. Acceleration (No Load) (m/s²)			50			

MNK270-MKM100-3: Dimensions

In Stock Lead Time: 15-20 Days \* The lead time is subject to change during special periods. Please consult our sales team.

