

MF14

Semi-enclosed screw-driven linear module HTMF14

MF series

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PERFORMANCE BY BALL-SCREW LEAD

Table condition: 400 W output | 3,000 rpm

Ball-screw lead (mm)	Maximum speed (mm/s)	Horizontal load (kg)	Vertical load (kg)	Rated thrust (N)
5	250	113	43	1360
10	500	90	22	680
20	1000	60	12	340

Other listed motor options are not covered by this table. Above 700 mm stroke, reduce speed to limit ball-screw vibration.

TECHNICAL DETAILS

Repeatability grade

C: ± 0.01 mm
P: ± 0.008 mm

Ball-screw specification / diameter

20 mm

Linear guide

15 x 12.5, 2 pcs

Overhang MR

485 Nm

Stroke increment

50 mm

Stroke range

100-2000 mm

Motor power

200/400 W

Overhang MP

552 Nm

Overhang MY

551 Nm