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Stepper Motors **Products**

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MH112-FJ-4201

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Superior Electric - High torque, NEMA 42 precision step motors

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NAVIGATION

ModNum: MH112-FJ-4201

GENERAL

Family: MH Series

Frame Size: NEMA 42

PERFORMANCE

Maximum Speed RPM: 3000

Nominal Holding Torque N-m (oz-in.): 12.1 (1713.5)

Minimum Holding Torque N-m (oz-in.): 10.5 (1486.9)

Detent Torque N-m (oz-in.): 0.6 (85)

Rated Current A: 4

@ Ambient Temp. °C: 40

WINDING DATA

DC Resistance @ 40° C ohms: 0.8

Inductance mH: 17

Step Angle °: 1.8

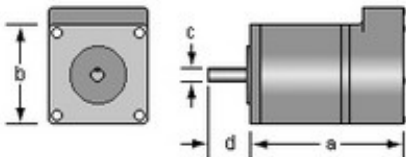
Number of Phases: 2

MECHANICAL DATA

Rotor Inertia kg-m² (oz-in.-s²): 0.000942 (0.1334)

Motor Weight kg (lb): 9.3 (20.5)

DIMENSIONS



Motor Diameter (b) mm (in.): 108.2 (4.26)

Motor Length (a) mm (in.): 266.7 (10.5)

Shaft Diameter (c) mm (in.): 15.87 (0.62)

Shaft Length (d) mm (in.): 35.1 (1.38)

STANDARD OPTIONS

Connectors Available: No

Encoder Available: Yes

Maximum Sealing Available: IP40

UR: Yes

cUR: Yes

Agency Ratings: cUR, UR

