



Main

Range compatibility	PacDrive 3
Product or component type	AC servo motors
Device short name	MH3

Complementary

Maximum mechanical speed	4000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	8.58 A
Continuous stall torque	10.3 N.m at 115...480 V three phase
Continuous power	2640 W
Peak stall torque	39.9 N.m at 115...480 V three phase
Nominal output power	0.98 W at 115 V 1.78 W at 230 V 2.64 W at 400 V 2.64 W at 480 V
Nominal torque	7.63 N.m at 230 V 6.8 N.m at 400 V 6.25 N.m at 480 V 7.82 N.m at 115 V
Nominal speed	1000 rpm at 115 V 2000 rpm at 230 V 3500 rpm at 400 V 3500 rpm at 480 V
Maximum current Irms	29.8 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	24 mm
Shaft length	50 mm
IP degree of protection	IP65 (standard)

MH31401P07A2200

Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	140 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.2 N.m/A at 120 °C
Back emf constant	77.41 V/krpm
Number of motor poles	10
Rotor inertia	16.46 kg.cm <sup>2</sup>
Stator resistance	0.69 Ohm
Stator inductance	6.72 mH
Stator electrical time constant	9.7 ms
Maximum radial force Fr	1930 N at 1000 rpm 1530 N at 2000 rpm 1340 N at 3000 rpm
Type of cooling	Natural convection
Length	152 mm
Centring collar diameter	130 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Product weight	8 kg
Sizing reference	MH31401P
Temperature copper hot	135 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations