

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	16.83 A
Continuous stall torque	18.5 N.m at 115...480 V three phase
Continuous power	3730 W
Peak stall torque	55.5 N.m at 115...480 V three phase
Nominal output power	1.71 W at 115 V 2.93 W at 230 V 3.73 W at 400 V 3.73 W at 480 V
Nominal torque	16.34 N.m at 115 V 14 N.m at 230 V 10.17 N.m at 400 V 10.17 N.m at 480 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	57.42 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)

Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With
Holding torque	18 N.m
Mounting support	International standard flange
Motor flange size	140 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.1 N.m/A at 120 °C
Back emf constant	70.7 V/krpm
Number of motor poles	10
Rotor inertia	33.5 kg.cm ²
Stator resistance	0.23 Ohm
Stator inductance	2.99 mH
Stator electrical time constant	13 ms
Maximum radial force Fr	2240 N at 1000 rpm 1780 N at 2000 rpm 1550 N at 3000 rpm
Brake pull-in power	18 W
Type of cooling	Natural convection
Length	227 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	14.3 kg
Sizing reference	MH31402P
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  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations