



Main

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

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	7.69 A
Continuous stall torque	9 N.m at 115...480 V three phase
Continuous power	3270 W
Peak stall torque	27 N.m at 115...480 V three phase
Nominal output power	0.88 W at 115 V 2 W at 230 V 2.85 W at 400 V 3.27 W at 480 V
Nominal torque	8.45 N.m at 115 V 7.63 N.m at 230 V 6.8 N.m at 400 V 6.25 N.m at 480 V
Nominal speed	2500 rpm at 230 V 1000 rpm at 115 V 4000 rpm at 400 V 5000 rpm at 480 V
Maximum current Irms	26.71 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	19 mm
Shaft length	40 mm
Key width	6 mm

MH31003P12F2200

IP degree of protection	IP65 (standard)
Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	9 N.m
Mounting support	International standard flange
Motor flange size	100 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.17 N.m/A at 120 °C
Back emf constant	77.95 V/krpm
Number of motor poles	10
Rotor inertia	10.3 kg.cm ²
Stator resistance	1.08 Ohm
Stator inductance	5.23 mH
Stator electrical time constant	6.3 ms
Maximum radial force Fr	1050 N at 1000 rpm 660 N at 4000 rpm 730 N at 3000 rpm 830 N at 2000 rpm 610 N at 5000 rpm
Brake pull-in power	18 W
Type of cooling	Natural convection
Length	234.3 mm
Centring collar diameter	95 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	9 mm
Circle diameter of the mounting holes	115 mm
Product weight	8.15 kg
Sizing reference	MH31003P
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
RECh	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