



Main

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

Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	36.1 A
Continuous stall torque	65 N.m at 115...480 V three phase
Continuous power	9560 W
Peak stall torque	330 N.m at 115...480 V three phase
Nominal output power	7.75 W at 400 V 7.75 W at 480 V
Nominal torque	37 N.m at 400 V 37 N.m at 480 V
Nominal speed	2000 rpm at 400 V 2000 rpm at 480 V
Maximum current Irms	124.5 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	38 mm
Shaft length	80 mm
Key width	10 mm
IP degree of protection	IP65 (standard)
Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With

Holding torque	60 N.m
Mounting support	International standard flange
Motor flange size	190 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.8 N.m/A at 120 °C
Back emf constant	129.2 V/krpm
Number of motor poles	10
Rotor inertia	208.8 kg.cm ²
Stator resistance	0.13 Ohm
Stator inductance	3.62 mH
Stator electrical time constant	21.6 ms
Maximum radial force Fr	3300 N at 1000 rpm 3250 N at 2000 rpm 3150 N at 3000 rpm 3100 N at 4000 rpm
Brake pull-in power	25 W
Type of cooling	Natural convection
Length	368 mm
Centring collar diameter	180 mm
Centring collar depth	4 mm
Number of mounting holes	4
Mounting holes diameter	14 mm
Circle diameter of the mounting holes	215 mm
Product weight	71.9 kg
Sizing reference	MH31903P
Temperature copper hot	135 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1343 - 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