



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	23.2 A
Continuous stall torque	30 N.m at 115...480 V three phase
Continuous power	6750 W
Peak stall torque	110 N.m at 115...480 V three phase
Nominal output power	5.18 W at 400 V 5.18 W at 480 V
Nominal torque	16.5 N.m at 400 V 16.5 N.m at 480 V
Nominal speed	3000 rpm at 400 V 3000 rpm at 480 V
Maximum current Irms	89.6 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	38 mm
Shaft length	80 mm
IP degree of protection	IP65 (standard)
Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With
Holding torque	32 N.m

Mounting support	International standard flange
Motor flange size	190 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.3 N.m/A at 120 °C
Back emf constant	87.6 V/krpm
Number of motor poles	10
Rotor inertia	71.8 kg.cm ²
Stator resistance	0.24 Ohm
Stator inductance	5.08 mH
Stator electrical time constant	19.7 ms
Maximum radial force Fr	2900 N at 1000 rpm 2750 N at 2000 rpm 2650 N at 3000 rpm 2600 N at 4000 rpm
Brake pull-in power	22.5 W
Type of cooling	Natural convection
Length	248 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	37.9 kg
Sizing reference	MH31901P
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