



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	3.91 A
Continuous stall torque	3.4 N.m at 115...480 V three phase
Continuous power	1540 W
Peak stall torque	10.2 N.m at 115...480 V three phase
Nominal output power	0.42 W at 115 V 0.75 W at 230 V 1.32 W at 400 V 1.54 W at 480 V
Nominal torque	3.18 N.m at 115 V 2.96 N.m at 230 V 2.53 N.m at 400 V 2.26 N.m at 480 V
Nominal speed	1250 rpm at 115 V 2500 rpm at 230 V 5000 rpm at 400 V 6500 rpm at 480 V
Maximum current Irms	12.57 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	30 mm
IP degree of protection	IP65 (standard)

MH30703P01A2200

Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	70 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	0.87 N.m/A at 120 °C
Back emf constant	55 V/krpm
Number of motor poles	10
Rotor inertia	1.67 kg.cm <sup>2</sup>
Stator resistance	2.65 Ohm
Stator inductance	8.64 mH
Stator electrical time constant	3.2 ms
Maximum radial force Fr	400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm
Type of cooling	Natural convection
Length	186 mm
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Product weight	3 kg
Sizing reference	MH30703P
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