



### 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	Parallel key
Second shaft	Without second shaft end
Shaft diameter	14 mm
Shaft length	30 mm
Key width	5 mm

MH30703P17F2200

IP degree of protection	IP65 (standard)
Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	16 periods
Holding brake	With
Holding torque	3 N.m
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	1.78 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
Brake pull-in power	7 W
Type of cooling	Natural convection
Length	225 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	4 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