



Main

Range compatibility	PacDrive 3
Product or component type	Servo motor
Device short name	SH3.....M

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	2.1 A
Continuous stall torque	27.44 lbf.in (3.1 N.m) 115...480 V three phase
Peak stall torque	100.01 lbf.in (11.3 N.m) 115...480 V three phase
Nominal output power	240 W 115 V three phase 460 W 230 V three phase 880 W 400 V three phase 1030 W 480 V three phase
Nominal torque	26.99 Lbf.In (3.05 N.m) 115 V three phase 26.11 Lbf.In (2.95 N.m) 230 V three phase 24.78 Lbf.In (2.8 N.m) 400 V three phase 24.07 lbf.in (2.72 N.m) 480 V three phase
Nominal speed	750 rpm 115 V three phase 1500 rpm 230 V three phase 3000 rpm 400 V three phase 3600 rpm 480 V three phase
Maximum current Irms	8.7 A
Shaft end	Parallel key
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
Key width	0.20 in (5 mm)
IP degree of protection	Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5
Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	17.70 lbf.in (2 N.m)
Mounting support	International standard flange
Motor flange size	2.76 in (70 mm)
Torque constant	1.48 N.m/A 248 °F (120 °C)
Back emf constant	95 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.807 kg.cm ²
Stator resistance	10.7 Ohm

Stator inductance	76.85 mH
Maximum radial force Fr	730 N 1000 rpm 580 N 2000 rpm 510 N 3000 rpm 460 N 4000 rpm 430 N 5000 rpm 400 N 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	10.00 in (254 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net Weight	8.38 lb(US) (3.8 kg)

Contractual warranty

Warranty	18 months
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