



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	1.5 A
Continuous stall torque	19.47 lbf.in (2.2 N.m) 115...480 V three phase
Peak stall torque	67.27 lbf.in (7.6 N.m) 115...480 V three phase
Nominal output power	700 W 115 V three phase 340 W 230 V three phase 660 W 400 V three phase 780 W 480 V three phase
Nominal torque	19.47 Lbf.In (2.2 N.m) 115 V three phase 19.03 Lbf.In (2.15 N.m) 230 V three phase 18.59 Lbf.In (2.1 N.m) 400 V three phase 18.32 lbf.in (2.07 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	6 A
Shaft end	Smooth shaft
Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 mm)
Key width	0.16 in (4 mm)
IP degree of protection	Shaft bushing without shaft seal ring IP54 EN/IEC 60034-5 Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5
Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.76 in (70 mm)
Torque constant	1.47 N.m/A 248 °F (120 °C)
Back emf constant	95.9 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.41 kg.cm²
Stator resistance	16.4 Ohm
Stator inductance	115.7 mH

Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	7.36 in (187 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	6.17 lb(US) (2.8 kg)

Contractual warranty

Warranty	18 months
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