



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	1.8 A
Continuous stall torque	12.39 lbf.in (1.4 N.m) 115...480 V three phase
Peak stall torque	30.98 lbf.in (3.5 N.m) 115...480 V three phase
Nominal output power	220 W 115 V three phase 440 W 230 V three phase 820 W 400 V three phase 950 W 480 V three phase
Nominal torque	12.39 lbf.in (1.4 N.m) 115 V three phase 12.39 lbf.in (1.4 N.m) 230 V three phase 11.51 lbf.in (1.3 N.m) 400 V three phase 11.15 lbf.in (1.26 N.m) 480 V three phase
Nominal speed	1500 rpm 115 V three phase 3000 rpm 230 V three phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase
Maximum current Irms	5.7 A
Shaft end	Smooth shaft
Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 mm)
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	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	0.8 N.m/A 248 °F (120 °C)
Back emf constant	46 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.322 kg.cm ²
Stator resistance	10.4 Ohm
Stator inductance	60.25 mH
Maximum radial force Fr	660 N 1000 rpm 520 N 2000 rpm 460 N 3000 rpm 410 N 4000 rpm 380 N 5000 rpm 360 N 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	7.07 in (179.5 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	5.07 lb(US) (2.3 kg)

Packing Units

Package 1 Weight	4.62 lb(US) (2.096 kg)
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Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months
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