



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	4.1 A
Continuous stall torque	3.1 N.m at 115...480 V three phase
Peak stall torque	11.3 N.m at 115...480 V three phase
Nominal output power	460 W 115 V three phase 880 W 230 V three phase 1450 W at 400 V three phase 1550 W at 480 V three phase
Nominal torque	26.11 lbf.in (2.95 N.m) 115 V three phase 24.78 lbf.in (2.8 N.m) 230 V three phase 20.36 lbf.in (2.3 N.m) 400 V three phase 18.14 lbf.in (2.05 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	17 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)

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

IP degree of protection	Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5 Housing IP67 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	0.78 N.m/A 248 °F (120 °C)
Back emf constant	49 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.807 kg.cm ²
Stator resistance	2.7 Ohm
Stator inductance	20.3 mH
Maximum radial force Fr	730 N at 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)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	9.92 lb(US) (4.5 kg)
Package 1 Height	4.53 in (11.5 cm)
Package 1 width	7.48 in (19 cm)
Package 1 Length	15.55 in (39.5 cm)

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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