



Main

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

Complementary

Maximum mechanical speed	4000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	13.2 A
Continuous stall torque	172.59 lbf.in (19.5 N.m) 115...480 V three phase
Peak stall torque	531.93 lbf.in (60.1 N.m) 115...480 V three phase
Nominal output power	1460 W 115 V three phase 2690 W 230 V three phase 3860 W 400 V three phase 3660 W 480 V three phase
Nominal torque	164.62 lbf.in (18.6 N.m) 115 V three phase 151.35 lbf.in (17.1 N.m) 230 V three phase 108.86 lbf.in (12.3 N.m) 400 V three phase 85.85 lbf.in (9.7 N.m) 480 V three phase
Nominal speed	750 rpm 115 V three phase 1500 rpm 230 V three phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase
Maximum current Irms	44.1 A
Shaft end	Parallel key
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
Key width	0.31 in (8 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 multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	5.51 in (140 mm)
Torque constant	1.47 N.m/A 248 °F (120 °C)
Back emf constant	101 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	12.68 kg.cm ²
Stator resistance	0.6 Ohm
Stator inductance	11.225 mH
Maximum radial force Fr	2240 N at 1000 rpm 1780 N at 2000 rpm 1550 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	10.73 in (272.5 mm)
Centring collar diameter	5.12 in (130 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.43 in (11 mm)
Circle diameter of the mounting holes	6.50 in (165 mm)
Net weight	36.60 lb(US) (16.6 kg)

Packing Units

Package 1 Weight	36.52 lb(US) (16.565 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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