



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	7.8 A
Continuous stall torque	98.24 lbf.in (11.1 N.m) 115...480 V three phase
Continuous power	2900 W
Peak stall torque	238.97 lbf.in (27 N.m) 115...480 V three phase
Nominal output power	860 W 115 V three phase 1670 W 230 V three phase 2890 W 400 V three phase 3170 W 480 V three phase
Nominal torque	96.92 lbf.in (10.95 N.m) 115 V three phase 93.82 lbf.in (10.6 N.m) 230 V three phase 81.43 lbf.in (9.2 N.m) 400 V three phase 74.35 lbf.in (8.4 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	20.8 A
Shaft end	Smooth shaft
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)

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	Without
Mounting support	International standard flange
Motor flange size	5.51 in (140 mm)
Torque constant	1.43 N.m/A 248 °F (120 °C)
Back emf constant	100 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	7.41 kg.cm ²
Stator resistance	1.41 Ohm
Stator inductance	23.72 mH
Maximum radial force Fr	1930 N at 1000 rpm 1530 N at 2000 rpm 1340 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	8.56 in (217.5 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	26.24 lb(US) (11.9 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	27.56 lb(US) (12.5 kg)
Package 1 Height	10.24 in (26 cm)
Package 1 width	7.87 in (20 cm)
Package 1 Length	23.23 in (59 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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