



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	17.6 A
Continuous stall torque	246.05 lbf.in (27.8 N.m) 115...480 V three phase
Peak stall torque	798.34 lbf.in (90.2 N.m) 115...480 V three phase
Nominal output power	1940 W 115 V three phase 3330 W 230 V three phase 4050 W 400 V three phase 3430 W 480 V three phase
Nominal torque	218.61 lbf.in (24.7 N.m) 115 V three phase 187.64 lbf.in (21.2 N.m) 230 V three phase 114.17 lbf.in (12.9 N.m) 400 V three phase 80.54 lbf.in (9.1 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	61 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

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

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	318.63 lbf.in (36 N.m)
Mounting support	International standard flange
Motor flange size	5.51 in (140 mm)
Torque constant	1.58 N.m/A 248 °F (120 °C)
Back emf constant	105 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	23.44 kg.cm ²
Stator resistance	0.4 Ohm
Stator inductance	7.72 mH
Maximum radial force Fr	2420 N at 1000 rpm 1920 N at 2000 rpm 1670 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	14.39 in (365.5 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	50.93 lb(US) (23.1 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	46.86 lb(US) (21.255 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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