



Main

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

Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	21 A
Continuous stall torque	326.59 lbf.in (36.9 N.m) 115...480 V three phase
Continuous power	5500 W
Peak stall torque	973.58 lbf.in (110 N.m) 115...480 V three phase
Nominal output power	2510 W 115 V three phase 4240 W 230 V three phase 5500 W 400 V three phase 5200 W 480 V three phase
Nominal torque	282.34 lbf.in (31.9 N.m) 115 V three phase 238.97 lbf.in (27 N.m) 230 V three phase 154.89 lbf.in (17.5 N.m) 400 V three phase 122.14 lbf.in (13.8 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	87.2 A
Shaft end	Smooth shaft
Shaft diameter	1.50 in (38 mm)
Shaft length	3.15 in (80 mm)

IP degree of protection	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	708.06 lbf.in (80 N.m)
Mounting support	International standard flange
Motor flange size	8.07 in (205 mm)
Torque constant	1.6 N.m/A 248 °F (120 °C)
Back emf constant	104 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	87.4 kg.cm ²
Stator resistance	0.3 Ohm
Stator inductance	8.7 mH
Maximum radial force Fr	3730 N 1000 rpm 2960 N 2000 rpm 2580 N 3000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	14.59 in (370.5 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Net weight	85.10 lb(US) (38.6 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	96.34 lb(US) (43.7 kg)
Package 1 Height	16.14 in (41 cm)
Package 1 width	12.20 in (31 cm)
Package 1 Length	23.43 in (59.5 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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