



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	25.7 A
Continuous stall torque	574.41 lbf.in (64.9 N.m) 115...480 V three phase
Continuous power	7900 W
Peak stall torque	1947.16 lbf.in (220 N.m) 115...480 V three phase
Nominal output power	3230 W 115 V three phase 5860 W 230 V three phase 7980 W 400 V three phase 7140 W 480 V three phase
Nominal torque	545.21 lbf.in (61.6 N.m) 115 V three phase 495.64 lbf.in (56 N.m) 230 V three phase 337.21 lbf.in (38.1 N.m) 400 V three phase 251.36 lbf.in (28.4 N.m) 480 V three phase
Nominal speed	500 rpm 115 V three phase 1000 rpm 230 V three phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase
Maximum current Irms	96.8 A
Shaft end	Parallel key
Shaft diameter	1.50 in (38 mm)
Shaft length	3.15 in (80 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

Key width	0.39 in (10 mm)
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 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	2.58 N.m/A at 120 °C
Back emf constant	161 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	145 kg.cm ²
Stator resistance	0.3 Ohm
Stator inductance	8.2 mH
Maximum radial force Fr	4200 N at 1000 rpm 3330 N at 2000 rpm 2910 N at 3000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	17.89 in (454.5 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	118.17 lb(US) (53.6 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	133.60 lb(US) (60.6 kg)
Package 1 Height	16.14 in (41 cm)
Package 1 width	12.20 in (31 cm)
Package 1 Length	28.35 in (72 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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