



## Main

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

## Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	2.9 A
Continuous stall torque	2.2 N.m at 115...480 V three phase
Peak stall torque	7.6 N.m at 115...480 V three phase
Nominal output power	340 W 115 V three phase 660 W 230 V three phase 1190 W at 400 V three phase 1360 W at 480 V three phase
Nominal torque	19.03 lbf.in (2.15 N.m) 115 V three phase 18.59 lbf.in (2.1 N.m) 230 V three phase 16.82 lbf.in (1.9 N.m) 400 V three phase 1.8 N.m at 480 V three phase
Nominal speed	1500 rpm 115 V three phase 3000 rpm 230 V three phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase
Maximum current Irms	11.8 A
Shaft end	Parallel key
Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 mm)
Key width	0.16 in (4 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.76 in (70 mm)
Torque constant	0.77 N.m/A 248 °F (120 °C)
Back emf constant	48 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.41 kg.cm <sup>2</sup>
Stator resistance	4.2 Ohm
Stator inductance	29.65 mH
Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	7.36 in (187 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net weight	6.17 lb(US) (2.8 kg)

## Packing Units

Package 1 Weight	6.16 lb(US) (2.794 kg)
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## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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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