



## Main

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

## Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	6.6 A
Continuous stall torque	8 N.m at 115...480 V three phase
Peak stall torque	28.3 N.m at 115...480 V three phase
Nominal output power	790 W 115 V three phase 1470 W 230 V three phase 2390 W at 400 V three phase 2560 W at 480 V three phase
Nominal torque	5.1 N.m at 480 V three phase 66.38 lbf.in (7.5 N.m) 115 V three phase 61.96 lbf.in (7 N.m) 230 V three phase 5.7 N.m at 400 V three phase
Nominal speed	1000 rpm 115 V three phase 2000 rpm 230 V three phase 4000 rpm at 400 V three phase 4800 rpm at 480 V three phase
Maximum current Irms	28.3 A
Shaft end	Parallel key
Shaft diameter	0.75 in (19 mm)
Shaft length	1.57 in (40 mm)
Key width	0.24 in (6 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

Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	79.66 lbf.in (9 N.m)
Mounting support	International standard flange
Motor flange size	3.94 in (100 mm)
Torque constant	1.22 N.m/A at 120 °C
Back emf constant	77 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	3.838 kg.cm <sup>2</sup>
Stator resistance	1.43 Ohm
Stator inductance	13.45 mH
Maximum radial force Fr	1050 N at 1000 rpm 830 N 2000 rpm 730 N 3000 rpm 660 N 4000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	10.69 in (271.5 mm)
Centring collar diameter	3.74 in (95 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.35 in (9 mm)
Circle diameter of the mounting holes	4.53 in (115 mm)
Net weight	17.64 lb(US) (8 kg)

### Packing Units

Package 1 Weight	16.50 lb(US) (7.484 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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