



## 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	3.5 A
Continuous stall torque	3.3 N.m at 115...480 V three phase
Peak stall torque	9.6 N.m at 115...480 V three phase
Nominal output power	410 W 115 V three phase 790 W 230 V three phase 1410 W at 400 V three phase 1630 W at 480 V three phase
Nominal torque	27.88 lbf.in (3.15 N.m) 115 V three phase 26.55 lbf.in (3 N.m) 230 V three phase 23.90 lbf.in (2.7 N.m) 400 V three phase 23.01 lbf.in (2.6 N.m) 480 V three phase
Nominal speed	1250 rpm 115 V three phase 2500 rpm 230 V three phase 5000 rpm at 400 V three phase 6000 rpm at 480 V three phase
Maximum current Irms	12 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)

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	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	0.89 N.m/A 248 °F (120 °C)
Back emf constant	60 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	2.018 kg.cm <sup>2</sup>
Stator resistance	3.8 Ohm
Stator inductance	27.15 mH
Maximum radial force Fr	900 N at 1000 rpm 720 N 2000 rpm 630 N 3000 rpm 570 N 4000 rpm 530 N 5000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	7.85 in (199.5 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	10.58 lb(US) (4.8 kg)

## Packing Units

Package 1 Weight	9.46 lb(US) (4.291 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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