



## Main

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

## Complementary

Maximum mechanical speed	4000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	17.6 A
Continuous stall torque	246.05 lbf.in (27.8 N.m) 115...480 V three phase
Peak stall torque	798.34 lbf.in (90.2 N.m) 115...480 V three phase
Nominal output power	1940 W 115 V three phase 3330 W 230 V three phase 4050 W 400 V three phase 3430 W 480 V three phase
Nominal torque	218.61 lbf.in (24.7 N.m) 115 V three phase 187.64 lbf.in (21.2 N.m) 230 V three phase 114.17 lbf.in (12.9 N.m) 400 V three phase 80.54 lbf.in (9.1 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	61 A
Shaft end	Smooth shaft
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 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  
Housing IP67 EN/IEC 60034-5

Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	5.51 in (140 mm)
Torque constant	1.58 N.m/A 248 °F (120 °C)
Back emf constant	105 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	17.94 kg.cm <sup>2</sup>
Stator resistance	0.4 Ohm
Stator inductance	7.72 mH
Maximum radial force Fr	2420 N at 1000 rpm 1920 N at 2000 rpm 1670 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	12.89 in (327.5 mm)
Centring collar diameter	5.12 in (130 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.43 in (11 mm)
Circle diameter of the mounting holes	6.50 in (165 mm)
Net weight	46.96 lb(US) (21.3 kg)

## Packing Units

Package 1 Weight	46.86 lb(US) (21.255 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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