



## Main

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

## Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	1.7 A
Continuous stall torque	10.62 lbf.in (1.2 N.m) 115...480 V three phase
Peak stall torque	30.98 lbf.in (3.5 N.m) 115...480 V three phase
Nominal output power	240 W 115 V three phase 460 W 230 V three phase 880 W 400 V three phase 970 W 480 V three phase
Nominal torque	10.00 lbf.in (1.13 N.m) 115 V three phase 9.74 lbf.in (1.1 N.m) 230 V three phase 9.29 lbf.in (1.05 N.m) 400 V three phase 9.12 lbf.in (1.03 N.m) 480 V three phase
Nominal speed	4000 rpm at 230 V three phase 9000 rpm at 480 V three phase 2000 rpm 115 V three phase 8000 rpm 400 V three phase
Maximum current Irms	6.5 A
Shaft end	Smooth shaft
Shaft diameter	0.35 in (9 mm)
Shaft length	0.79 in (20 mm)
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 multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.17 in (55 mm)
Torque constant	0.7 N.m/A at 120 °C
Back emf constant	41 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.134 kg.cm <sup>2</sup>
Stator resistance	10.4 Ohm
Stator inductance	37.98 mH
Maximum radial force Fr	190 N 8000 rpm 390 N 1000 rpm 310 N 2000 rpm 270 N 3000 rpm 240 N 4000 rpm 230 N 5000 rpm 210 N 6000 rpm 200 N 7000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	6.95 in (176.5 mm)
Centring collar diameter	1.57 in (40 mm)
Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	2.48 in (63 mm)
Net weight	3.97 lb(US) (1.8 kg)

## Packing Units

Package 1 Weight	3.96 lb(US) (1.796 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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