



## 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	0.6 A
Continuous stall torque	7.08 lbf.in (0.8 N.m) 115...480 V three phase
Peak stall torque	22.13 lbf.in (2.5 N.m) 115...480 V three phase
Nominal output power	160 W 115 V three phase 310 W 230 V three phase 600 W 400 V three phase 670 W 480 V three phase
Nominal torque	6.82 lbf.in (0.77 N.m) 115 V three phase 6.64 lbf.in (0.75 N.m) 230 V three phase 6.37 lbf.in (0.72 N.m) 400 V three phase 6.28 lbf.in (0.71 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	4.8 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	With
Holding torque	7.08 lbf.in (0.8 N.m)
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	40 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.117 kg.cm <sup>2</sup>
Stator resistance	17.4 Ohm
Stator inductance	53.54 mH
Maximum radial force Fr	370 N 1000 rpm 290 N 2000 rpm 260 N 3000 rpm 230 N 4000 rpm 220 N 5000 rpm 200 N 6000 rpm 190 N 7000 rpm 190 N 8000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	7.13 in (181 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	3.53 lb(US) (1.6 kg)

### 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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