



## Main

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

## Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	25.7 A
Continuous stall torque	574.41 lbf.in (64.9 N.m) 115...480 V three phase
Continuous power	7900 W
Peak stall torque	1947.16 lbf.in (220 N.m) 115...480 V three phase
Nominal output power	3230 W 115 V three phase 5860 W 230 V three phase 7980 W 400 V three phase 7140 W 480 V three phase
Nominal torque	545.21 lbf.in (61.6 N.m) 115 V three phase 495.64 lbf.in (56 N.m) 230 V three phase 337.21 lbf.in (38.1 N.m) 400 V three phase 251.36 lbf.in (28.4 N.m) 480 V three phase
Nominal speed	500 rpm 115 V three phase 1000 rpm 230 V three phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase
Maximum current Irms	96.8 A
Shaft end	Smooth shaft
Shaft diameter	1.50 in (38 mm)
Shaft length	3.15 in (80 mm)

IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 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	8.07 in (205 mm)
Torque constant	2.58 N.m/A at 120 °C
Back emf constant	161 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	129 kg.cm <sup>2</sup>
Stator resistance	0.3 Ohm
Stator inductance	8.2 mH
Maximum radial force Fr	4200 N at 1000 rpm 3330 N at 2000 rpm 2910 N at 3000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	15.94 in (405 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Net weight	110.23 lb(US) (50 kg)

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	127.21 lb(US) (57.7 kg)
Package 1 Height	16.14 in (41 cm)
Package 1 width	12.20 in (31 cm)
Package 1 Length	23.43 in (59.5 cm)

## 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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