



## Main

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

## Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	4.1 A
Continuous stall torque	3.1 N.m at 115...480 V three phase
Peak stall torque	11.3 N.m at 115...480 V three phase
Nominal output power	460 W at 115 V three phase 880 W at 230 V three phase 1450 W at 400 V three phase 1550 W at 480 V three phase
Nominal torque	2.95 N.m at 115 V three phase 2.8 N.m at 230 V three phase 2.3 N.m at 400 V three phase 2.05 N.m at 480 V three phase
Nominal speed	1500 rpm at 115 V three phase 3000 rpm at 230 V three phase 6000 rpm at 400 V three phase 7200 rpm at 480 V three phase
Maximum current Irms	17 A
Shaft end	Smooth shaft
Shaft diameter	14 mm
Shaft length	30 mm
Key width	5 mm
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5

IP65 motor: conforming to EN/IEC 60034-5  
 IP65 shaft bushing: conforming to 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	70 mm
Torque constant	0.78 N.m/A at 120 °C
Back emf constant	49 V/krpm at 20 °C
Number of motor poles	3
Rotor inertia	0.58 kg.cm <sup>2</sup>
Stator resistance	2.7 Ohm
Stator inductance	20.3 mH
Maximum radial force Fr	730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm
Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	220 mm
Centring collar diameter	60 mm
Centring collar depth	2.5 mm
Number of mounting holes	4
Mounting holes diameter	5.5 mm
Circle diameter of the mounting holes	82 mm
Product weight	3.6 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
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>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### Contractual warranty

Warranty	18 months
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