



## 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	13.2 A
Continuous stall torque	19.5 N.m at 115...480 V three phase
Peak stall torque	60.1 N.m at 115...480 V three phase
Nominal output power	1460 W at 115 V three phase 2690 W at 230 V three phase 3860 W at 400 V three phase 3660 W at 480 V three phase
Nominal torque	18.6 N.m at 115 V three phase 17.1 N.m at 230 V three phase 12.3 N.m at 400 V three phase 9.7 N.m at 480 V three phase
Nominal speed	750 rpm at 115 V three phase 1500 rpm at 230 V three phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase
Maximum current Irms	44.1 A
Shaft end	Smooth shaft
Shaft diameter	24 mm
Shaft length	50 mm
Key width	8 mm
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5

IP65 shaft bushing: conforming to EN/IEC 60034-5  
IP67 housing: conforming to EN/IEC 60034-5

Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	23 N.m
Mounting support	International standard flange
Motor flange size	140 mm
Torque constant	1.47 N.m/A at 120 °C
Back emf constant	101 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	14.48 kg.cm <sup>2</sup>
Stator resistance	0.6 Ohm
Stator inductance	11.225 mH
Maximum radial force Fr	2240 N at 1000 rpm 1780 N at 2000 rpm 1550 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	310.5 mm
Centring collar diameter	130 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Product weight	17.7 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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