Product data sheet
Characteristics

SH32053P11F2000
servo motor SH3 205 94,4Nm,key,single,brake,90°conn.IP54/IP65,3.8k RPM

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	33.2 A
Continuous stall torque	835.51 lbf.in (94.4 N.m) 115...480 V three phase
Peak stall torque	2920.74 lbf.in (330 N.m) 115...480 V three phase
Nominal output power	4450 W 115 V three phase 7790 W 230 V three phase 10620 W 400 V three phase 10100 W 480 V three phase
Nominal torque	751.43 lbf.in (84.9 N.m) 115 V three phase 658.49 lbf.in (74.4 N.m) 230 V three phase 448.73 lbf.in (50.7 N.m) 400 V three phase 355.80 lbf.in (40.2 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	136.1 A
Shaft end	Parallel key
Shaft diameter	1.50 in (38 mm)
Shaft length	3.15 in (80 mm)
Key width	0.39 in (10 mm)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	708.06 lbf.in (80 N.m)
Mounting support	International standard flange
Motor flange size	8.07 in (205 mm)
Torque constant	2.76 N.m/A at 120 °C
Back emf constant	172 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	206 kg.cm²
Stator resistance	0.2 Ohm
Stator inductance	6.3 mH
Maximum radial force Fr	4500 N at 1000 rpm 3570 N at 2000 rpm 3120 N at 3000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	21.20 in (538.5 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	155.65 lb(US) (70.6 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	168.87 lb(US) (76.6 kg)
Package 1 Height	16.14 in (41 cm)
Package 1 width	12.20 in (31 cm)
Package 1 Length	28.35 in (72 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
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