

motor- SH31002P11A2000

URL:<https://www.sxplc.com/motor-sh31002p11a2000>

Product data sheet

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

Complementary	Maximum mechanical speed	6000 rpm
	[Us] rated supply voltage	115...480 V
	Network number of phases	Three phase
	Continuous stall current	4.8 A
	Continuous stall torque	5.8 N.m at 115...480 V three phase
	Continuous power	1900 W
	Peak stall torque	18.3 N.m at 115...480 V three phase
	Nominal output power	580 W at 115 V single phase 1090 W at 230 V single phase 1930 W at 400 V three phase 2210 W at 480 V three phase
	Nominal torque	5.5 N.m at 115 V single phase 5.2 N.m at 230 V single phase 4.6 N.m at 400 V three phase 4.4 N.m at 480 V three phase
	Nominal speed	1000 rpm at 115 V single phase

	2000 rpm at 230 V single phase 4000 rpm at 400 V three phase 4800 rpm at 480 V three phase
Maximum current Irms	17.1 A
Shaft end	Parallel key
Shaft diameter	19 mm
Shaft length	40 mm
Key width	6 mm
IP degree of protection	IP54 shaft bushing without shaft seal ring: conforming to 60034-5 IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5
encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
mounting support	International standard flange
Motor flange size	100 mm
Electrical connection	Rotatable right angled connector
Torque constant	1.21 N.m/A at 120 °C
Back emf constant	77 V/krpm at 20 °C
Number of motor poles	4
Rotor inertia	2.31 kg.cm ²
Stator resistance	2.4 Ohm
Stator inductance	19.5 mH
Maximum radial force Fr	990 N at 1000 rpm 790 N at 2000 rpm 690 N at 3000 rpm 620 N at 4000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection

	Length	204.5 mm
	Centring collar diameter	95 mm
	Centring collar depth	3.5 mm
	Number of mounting holes	4
	Mounting holes diameter	9.0 mm
	Circle diameter of the mounting holes	115 mm
	net weight	5.8 kg

Packing Units	Unit Type of Package 1	PCE
	Number of Units in Package 1	1
	Package 1 Height	30.0 cm
	Package 1 Width	30.0 cm
	Package 1 Length	40.0 cm
	Package 1 Weight	6.6 kg

