



## Motor ILM1003P11A0000

URL: <https://www.sxplc.com/motor-ilm1003p11a0000>

### Product data sheet

Main Range of Product	PacDrive 3
Product or Component Type	Servo motor integrated drive
Device short name	ILM

Complementary	[Us] rated supply voltage	250...700 V
	Continuous stall current	3.6 A
	Continuous stall torque	51.3 lbf.in (5.8 N.m)
	Peak stall torque	250.5 lbf.in (28.3 N.m)
	Nominal Output Power	1100 W
	Nominal torque	31.0 lbf.in (3.5 N.m)
	Nominal speed	3000 rpm
	Maximum current Irms	21.2 A
	Line Rated Current	2.4 A
	Shaft end	Keyed
	Second shaft	Without second shaft end
	Shaft diameter	0.7 in (19 mm)
	Shaft length	1.6 in (40 mm)
	Key width	1.2 in (30 mm)
	Feedback type	Absolute single turn SinCos Hiperface

Speed feedback resolution	128 periods
Holding brake	Without
Mounting Support	International standard flange
Motor flange size	3.9 in (100 mm)
Torque constant	1.61 N.m/A 248.0000000000 °F (120 °C)
Back emf constant	103 V/krpm 68.0000000000 °F (20 °C)
Number of motor poles	8
Rotor inertia	3.22 kg.cm <sup>2</sup>
Stator resistance	2.6 Ohm 68.0000000000 °F (20 °C) Ph/Ph 1.81 Ohm 248.0000000000 °F (120 °C) Ph/N
Stator inductance	15.6 mH 68.0000000000 °F (20 °C) Ph/Ph 7.8 mH 248.0000000000 °F (120 °C) Ph/N
Maximum radial force Fr	1050 N 1000 rpm 830 N 2000 rpm 730 N 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	11.2 in (285 mm)
Number of motor stacks	3
Centring collar diameter	3.7 in (95 mm)
Centring collar depth	0.1 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.4 in (9 mm)
Circle diameter of the mounting holes	4.5 in (115 mm)
Weight	17.9 lb(US) (8.1 kg)

