

Product data sheet

Characteristics

SH32053P12A1200

servo motor SH3 205

94,4Nm,key,multi,nobrake,str.conn,IP65/

IP67,3.8k RPM

Product availability : Non-Stock - Not normally stocked in distribution facility



Price** : 7,648.11 USD



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
Phase	Three phase
Continuous stall current	33.2 A
Continuous stall torque	835.4 lbf.in (94.4 N.m) at 115...480 V three phase
Peak stall torque	2920.35 lbf.in (330 N.m) at 115...480 V three phase
Nominal output power	10620 W at 400 V three phase 10100 W at 480 V three phase 4450 W at 115 V three phase 7790 W at 230 V three phase
Nominal torque	751.33 lbf.in (84.9 N.m) at 115 V three phase 448.67 lbf.in (50.7 N.m) at 400 V three phase 658.41 lbf.in (74.4 N.m) at 230 V three phase 355.75 lbf.in (40.2 N.m) at 480 V three phase
Nominal speed	2400 rpm at 480 V three phase 500 rpm at 115 V three phase 1000 rpm at 230 V three phase 2000 rpm at 400 V three phase
Maximum current Irms	136.1 A
Shaft end	Parallel key
Shaft diameter	1.5 in (38 mm)
Shaft length	3.15 in (80 mm)

Key width	0.39 in (10 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 multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	707.96 lbf.in (80 N.m)
Mounting support	International standard flange
Motor flange size	8.07 in (205 mm)
Electrical connection	Straight connector
Torque constant	2.76 N.m/A at 248 °F (120 °C)
Back emf constant	172 V/krpm at 68 °F (20 °C)
Number of motor poles	5
Rotor inertia	190 kg.cm ²
Stator resistance	0.2 Ohm
Stator inductance	6.3 mH
Maximum radial force Fr	3120 N at 3000 rpm 3570 N at 2000 rpm 4500 N at 1000 rpm
Maximum axial force Fa	740 N
Type of cooling	Natural convection
Length	19.25 in (489 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)
Product weight	147.71 lb(US) (67 kg)

Ordering and shipping details

Category	18359 - PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
Nbr. of units in pkg.	1
Package weight(Lbs)	147.40000000000001
Returnability	N

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1036 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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