

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
Phase	Three phase
Continuous stall current	21.3 A
Continuous stall torque	295.61 lbf.in (33.4 N.m) 115...480 V three phase
Continuous power	4040 W
Peak stall torque	1167.41 lbf.in (131.9 N.m) 115...480 V three phase
Nominal output power	2370 W 115 V single phase 4130 W 230 V single phase 4040 W 400 V three phase 4190 W 480 V three phase
Nominal torque	267.29 Lbf.In (30.2 N.m) 115 V single phase 232.77 Lbf.In (26.3 N.m) 230 V single phase 114.17 Lbf.In (12.9 N.m) 400 V three phase 98.24 lbf.in (11.1 N.m) 480 V three phase
Nominal speed	750 rpm 115 V single phase 1500 rpm 230 V single phase 3000 rpm 400 V three phase 3600 rpm 480 V three phase
Maximum current Irms	95.6 A
Shaft end	Smooth shaft
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
IP degree of protection	Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5 Housing IP67 EN/IEC 60034-5
Encoder type	Absolute single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	318.63 lbf.in (36 N.m)
Mounting Support	International standard flange
Motor flange size	5.51 in (140 mm)
Electrical Connection	Straight connector
Torque constant	1.57 N.m/A 248 °F (120 °C)
Back emf constant	104 V/krpm 68 °F (20 °C)
Number of motor poles	5

Rotor inertia	29.2 kg.cm ²
Stator resistance	0.28 Ohm
Stator inductance	5.945 mH
Maximum radial force Fr	2660 N 1000 rpm 2110 N 2000 rpm 1840 N 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	16.56 in (420.5 mm)
Centring collar diameter	5.12 in (130 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.43 in (11 mm)
Circle diameter of the mounting holes	6.50 in (165 mm)
Net Weight	61.29 lb(US) (27.8 kg)





Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	57.20 lb(US) (25.946 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
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.
PVC free	Yes

Contractual warranty

Warranty	18 months
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