



Main

Range Compatibility	PacDrive 3
Product or Component Type	Servo motor
Device short name	SH3.....P

Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	1.2 A
Continuous stall torque	6.28 lbf.in (0.71 N.m) 115...480 V three phase
Continuous power	530 W
Peak stall torque	22.13 lbf.in (2.5 N.m) 115...480 V three phase
Nominal output power	160 W 115 V single phase 310 W 230 V single phase 600 W 400 V three phase 670 W 480 V three phase
Nominal torque	6.82 Lbf.in (0.77 N.m) 115 V single phase 6.64 Lbf.in (0.75 N.m) 230 V single phase 5.58 Lbf.in (0.63 N.m) 400 V three phase 5.58 lbf.in (0.63 N.m) 480 V three phase
Nominal speed	4000 rpm 230 V single phase 9000 rpm 480 V three phase 2000 rpm 115 V single phase 8000 rpm 400 V three phase
Maximum current Irms	4.8 A
Shaft end	Smooth shaft
Shaft diameter	0.35 in (9 mm)
Shaft length	0.79 in (20 mm)
IP degree of protection	Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5
Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	7.08 lbf.in (0.8 N.m)
Mounting Support	International standard flange
Motor flange size	2.17 in (55 mm)
Electrical Connection	Rotatable right angled connector
Torque constant	0.59 N.m/A 248 °F (120 °C)
Back emf constant	40 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.117 kg.cm ²

Stator resistance	17.4 Ohm
Stator inductance	53.54 mH
Maximum radial force Fr	370 N 1000 rpm 290 N 2000 rpm 260 N 3000 rpm 230 N 4000 rpm 220 N 5000 rpm 200 N 6000 rpm 190 N 7000 rpm 190 N 8000 rpm
Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	7.13 in (181 mm)
Centring collar diameter	1.57 in (40 mm)
Centring collar depth	0.08 in (2 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	2.48 in (63 mm)
Net Weight	3.53 lb(US) (1.6 kg)

Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	3606485295312
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.53 in (11.5 cm)
Package 1 Width	7.48 in (19.0 cm)
Package 1 Length	15.55 in (39.5 cm)
Package 1 Weight	4.34 lb(US) (1.97 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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