



Main

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

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	4.1 A
Continuous stall torque	26.02 lbf.in (2.94 N.m) 115...480 V three phase
Continuous power	1330 W
Peak stall torque	100.01 lbf.in (11.3 N.m) 115...480 V three phase
Nominal output power	830 W 230 V single phase 1330 W 400 V three phase 1330 W 480 V three phase
Nominal torque	24.78 Lbf.in (2.8 N.m) 230 V single phase 18.59 Lbf.in (2.1 N.m) 400 V three phase 18.59 lbf.in (2.1 N.m) 480 V three phase
Nominal speed	3000 rpm 230 V single phase 6000 rpm 400 V three phase 7200 rpm 480 V three phase
Maximum current Irms	17 A
Shaft end	Smooth shaft
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
IP degree of protection	Motor IP65 EN/IEC 60034-5 Shaft bushing IP65 EN/IEC 60034-5
Encoder type	Absolute multiturn Hiperface DSL
Speed feedback resolution	262144 points/turn x 4096 turns
Holding brake	Without
Mounting Support	International standard flange
Motor flange size	2.76 in (70 mm)
Electrical Connection	Rotatable right angled connector
Torque constant	0.72 N.m/A 248 °F (120 °C)
Back emf constant	49 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.580 kg.cm ²
Stator resistance	2.7 Ohm
Stator inductance	14.6 mH
Maximum radial force Fr	1070 N 1000 rpm
Maximum axial force Fa	160 N

Type of cooling	Natural convection
Length	8.66 in (220 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net Weight	7.94 lb(US) (3.6 kg)

Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	3606481803443
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	9.04 lb(US) (4.1 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) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

(2): Mounting

Characteristic		Unit	Value
L	Length without holding brake	mm (in)	220 (8.66)
B	Shaft length	mm (in)	30 (1.18)
C	Shaft diameter	mm (in)	14 (0.55)
H	Female thread of shaft		DIN 332-D M5