



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	27.44 lbf.in (3.1 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	460 W 115 V three phase 880 W 230 V three phase 1450 W 400 V three phase 1550 W 480 V three phase
Nominal torque	26.11 Lbf.In (2.95 N.m) 115 V three phase 24.78 Lbf.In (2.8 N.m) 230 V three phase 20.36 Lbf.In (2.3 N.m) 400 V three phase 18.14 lbf.in (2.05 N.m) 480 V three phase
Nominal speed	1500 rpm 115 V three phase 3000 rpm 230 V three 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	IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5
Encoder type	Absolute multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	2.76 in (70 mm)
Torque constant	0.78 N.m/A 248 °F (120 °C)
Back emf constant	49 V/krpm 68 °F (20 °C)
Number of motor poles	3
Rotor inertia	0.58 kg.cm ²
Stator resistance	2.7 Ohm

Stator inductance	20.3 mH
Maximum radial force Fr	730 N 1000 rpm 580 N 2000 rpm 510 N 3000 rpm 460 N 4000 rpm 430 N 5000 rpm 400 N 6000 rpm
Maximum axial force Fa	80 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	03606485296197
Nbr. of units in pkg.	1
Package weight(Lbs)	8.95 lb(US) (4.061 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.53 in (11.5 cm)
Package 1 width	7.48 in (19 cm)
Package 1 Length	15.55 in (39.5 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	28.66 lb(US) (13 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	6
Package 3 Weight	72.97 lb(US) (33.1 kg)
Package 3 Height	30.31 in (77 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration

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

Contractual warranty

Warranty	18 months
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