



Main

Range compatibility	PacDrive 3
Product or component type	Servo motor
Device short name	SH3.....P

Complementary

Maximum mechanical speed	6000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	4.8 A
Continuous stall torque	5.8 N.m at 115...480 V three phase
Continuous power	1900 W
Peak stall torque	18.3 N.m at 115...480 V three phase
Nominal output power	580 W 115 V three phase 1090 W 230 V three phase 1930 W at 400 V three phase 2210 W at 480 V three phase
Nominal torque	48.68 Lbf.in (5.5 N.m) 115 V three phase 46.02 Lbf.in (5.2 N.m) 230 V three phase 4.6 N.M at 400 V three phase 4.4 N.m at 480 V three phase
Nominal speed	1000 rpm 115 V three phase 2000 rpm 230 V three phase 4000 rpm 400 V three phase 4800 rpm 480 V three phase
Maximum current Irms	17.1 A
Shaft end	Parallel key
Shaft diameter	0.75 in (19 mm)
Shaft length	1.57 in (40 mm)
Key width	0.24 in (6 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 single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	79.66 lbf.in (9 N.m)
Mounting support	International standard flange
Motor flange size	3.94 in (100 mm)
Torque constant	1.21 N.m/A 248 °F (120 °C)
Back emf constant	77 V/krpm 68 °F (20 °C)
Number of motor poles	4

Rotor inertia	2.928 kg.cm ²
Stator resistance	2.4 Ohm
Stator inductance	19.5 mH
Maximum radial force Fr	990 N 1000 rpm 790 N 2000 rpm 690 N 3000 rpm 620 N 4000 rpm
Maximum axial force Fa	160 N
Type of cooling	Natural convection
Length	9.23 in (234.5 mm)
Centring collar diameter	3.74 in (95 mm)
Centring collar depth	0.14 in (3.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.35 in (9.0 mm)
Circle diameter of the mounting holes	4.53 in (115 mm)
Net Weight	13.89 lb(US) (6.3 kg)

Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	00785901744450
Package weight(Lbs)	14.77 lb(US) (6.700 kg)
Returnability	No
Country of origin	DE

Packing Units

Package 1 Height	2.100 dm
Package 1 width	1.800 dm
Package 1 Length	3.560 dm

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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