



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
Peak stall torque	1167.41 lbf.in (131.9 N.m) 115...480 V three phase
Nominal output power	2370 W 115 V three phase 4130 W 230 V three phase 5060 W 400 V three phase 4190 W 480 V three phase
Nominal torque	267.29 Lbf.in (30.2 N.m) 115 V three phase 232.77 Lbf.in (26.3 N.m) 230 V three phase 142.50 Lbf.in (16.1 N.m) 400 V three phase 98.24 lbf.in (11.1 N.m) 480 V three phase
Nominal speed	750 rpm 115 V three phase 1500 rpm 230 V three phase 3000 rpm 400 V three phase 3600 rpm 480 V three phase
Maximum current Irms	95.6 A
Shaft end	Parallel key
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
Key width	0.31 in (8 mm)
IP degree of protection	IP65 motor: conforming to EN/IEC 60034-5 IP65 shaft bushing: conforming to EN/IEC 60034-5 Housing IP67 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	5.51 in (140 mm)
Torque constant	1.57 N.m/A 248 °F (120 °C)
Back emf constant	104 V/krpm at 20 °C
Number of motor poles	5
Rotor inertia	23.7 kg.cm²
Stator resistance	0.28 Ohm

Stator inductance	5.945 mH
Maximum radial force Fr	2660 N at 1000 rpm 2110 N at 2000 rpm 1840 N at 3000 rpm
Maximum axial force Fa	300 N
Type of cooling	Natural convection
Length	15.06 in (382.5 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	57.32 lb(US) (26 kg)

Ordering and shipping details

Category	18359 - PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	03606489917678
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No

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
----------	-----------