



Main

Range Compatibility	PacDrive 3
Product or Component Type	Servo motor
Device short name	SHS
Encoder type	Absolute multiturn SinCos Hiperface

Complementary

Maximum mechanical speed	9000 rpm
[Us] rated supply voltage	400 V
Phase	Three phase
Continuous stall current	0.8 A
Continuous stall torque	7.97 Lbf.in (0.9 N.m) LXM62 7.97 lbf.in (0.9 N.m) LXM52
Continuous power	840 W
Peak stall torque	28.32 Lbf.in (3.2 N.m) LXM62 28.32 lbf.in (3.2 N.m) LXM52
Nominal output power	840 W LXM62 840 W LXM52
Nominal torque	6.99 Lbf.in (0.79 N.m) LXM62 6.99 lbf.in (0.79 N.m) LXM52
Nominal speed	4000 rpm LXM62 4000 rpm LXM52
Maximum current Irms	3.4 A LXM62 3.4 A LXM52
Maximum permanent current	0.8 A
Product compatibility	LXM62 400 V, three phase LXM52 400 V, three phase
Switching frequency	8 kHz
Shaft end	Smooth shaft
Shaft diameter	0.43 in (11 mm)
Shaft length	0.79 in (20 mm)
Key width	0.00 in (0 mm)
Speed feedback resolution	128 periods
Holding brake	Without
Holding torque	5.75 lbf.in (0.65 N.m)
Mounting Support	Flange
Motor flange size	2.28 in (58 mm)
Electrical Connection	Cable with stripped end
Back emf constant	1.15 V/krpm 68 °F (20 °C)
Number of motor poles	76
Rotor inertia	0.13 kg.cm²
Stator resistance	37.1 Ohm
Stator inductance	84.1 mH
Maximum radial force Fr	240 N 4000 rpm

Maximum axial force Fa	40 N
Type of cooling	Natural convection
Length	8.86 in (225.1 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	0.20 in (5 mm)
Circle diameter of the mounting holes	2.28 in (58 mm)
Net Weight	4.85 lb(US) (2.2 kg)

Environment

IP degree of protection	Motor IP69K EN/IEC 60034-5 Motor IP67 EN/IEC 60034-5
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Ordering and shipping details

Category	18359-PACDRIVE3 SERVO MOTORS
Discount Schedule	PC52
GTIN	3606485403694
Nbr. of units in pkg.	1
Package weight(Lbs)	6.61 lb(US) (3 kg)
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.72 in (12 cm)
Package 1 width	7.48 in (19 cm)
Package 1 Length	15.75 in (40 cm)