



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	6000 rpm
[Us] rated supply voltage	400 V
Phase	Three phase
Continuous stall current	3.6 A
Continuous stall torque	22.13 Lbf.in (2.5 N.m) LXM62 22.13 Lbf.in (2.5 N.m) LXM52
Continuous power	970 W
Peak stall torque	91.16 Lbf.in (10.3 N.m) LXM62 91.16 Lbf.in (10.3 N.m) LXM52
Nominal output power	970 W LXM62 970 W LXM52
Nominal torque	13.72 Lbf.in (1.55 N.m) LXM62 13.72 Lbf.in (1.55 N.m) LXM52
Nominal speed	6000 rpm LXM62 6000 rpm LXM52
Maximum current Irms	15.2 A LXM62 15.2 A LXM52
Maximum permanent current	2.35 A
Product compatibility	LXM62 400 V, three phase LXM52 400 V, three phase
Switching frequency	8 kHz
Shaft end	Smooth shaft
Shaft diameter	0.55 in (14 mm)
Shaft length	1.57 in (40 mm)
Key width	0.24 in (6 mm)
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	41.16 Lbf.in (4.65 N.m)
Mounting support	Flange
Motor flange size	3.94 in (100 mm)
Electrical connection	Cable with stripped end
Back emf constant	2.1 V/krpm 68 °F (20 °C)
Number of motor poles	146
Rotor inertia	0.58 kg.cm²
Stator resistance	2.7 Ohm
Stator inductance	13 mH
Maximum radial force Fr	400 N 6000 rpm

Maximum axial force Fa	80 N
Type of cooling	Natural convection
Length	10.66 in (270.7 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	0.24 in (6 mm)
Circle diameter of the mounting holes	2.80 in (71 mm)
Net Weight	15.65 lb(US) (7.1 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	03606485403748
Nbr. of units in pkg.	1
Package weight(Lbs)	15.1 lb(US) (6.85 kg)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	8.27 in (21 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	14.02 in (35.6 cm)