



## 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<br>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<br>91.16 Lbf.in (10.3 N.m) LXM52 |
| Nominal output power      | 970 W LXM62<br>970 W LXM52                                     |
| Nominal torque            | 13.72 Lbf.in (1.55 N.m) LXM62<br>13.72 Lbf.in (1.55 N.m) LXM52 |
| Nominal speed             | 6000 rpm LXM62<br>6000 rpm LXM52                               |
| Maximum current Irms      | 15.2 A LXM62<br>15.2 A LXM52                                   |
| Maximum permanent current | 2.35 A                                                         |
| Product compatibility     | LXM62 400 V, three phase<br>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<br>Motor IP67 EN/IEC 60034-5 |
|-------------------------|---------------------------------------------------------|

## Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule     | PC52                         |
| GTIN                  | 3606485403748                |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 10.85 lb(US) (4.92 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) |