

SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data: 1LE1023-1DB49-0FB4
M2F
Motor type: 1AV3164B

Client order no.:
Order no.:
Offer no.:
Remarks:

Item no.:
Consignment no.:
Project:

| U | Δ / Y | f | P | P | I | n | M | NOM. EFF at ... load [%] | | | Power factor at ... load | | | I _A /I _N | M _A /M _N | M _K /M _N | IE-CL |
|-----------------|-------|------|----------|------|--------|---------|------|--------------------------|------|----------------------------------|--------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
| [V] | | [Hz] | [kW] | [hp] | [A] | [1/min] | [Nm] | 4/4 | 3/4 | 2/4 | 4/4 | 3/4 | 2/4 | I _I /I _N | T _I /T _N | T _B /T _N | |
| 460 | Δ | 60 | 15.00 | 20.0 | 25.00 | 1780 | 80.0 | 93.0 | 93.0 | 91.5 | 0.81 | 0.76 | 0.66 | 9.5 | 2.9 | 4.3 | NPE |
| IM B5 / IM 3001 | | | FS 160 L | | 100 kg | IP55 | | IEC/EN 60034 | | IEC, EN, NEMA MG1-12-12, UL, CSA | | | | | | | |

| Mechanical data | | | Terminal box | |
|----------------------------------------|-----------------------------------------|-----------|-----------------------------------------------------------------------|---------------------|
| Sound pressure level 50 Hz/60Hz (load) | 65 db(A) | 69 db(A) | Terminal box position | top |
| Moment of inertia | 0.099 kg m² | | Material of terminal box | Aluminium |
| Bearing DE NDE | 6209 2ZC3 | 6209 2ZC3 | Type of terminal box | TB1 J00 |
| Bearing lifetime | 40000 h | | Contact screw thread | M5 |
| Lubricants | Esso Unirex N3 | | Max. cross-sectional area | 16.0 mm² |
| Regreasing device | No | | Cable diameter from ... to ... | 19.0 mm - 28.0 mm |
| Grease nipple | - / - | | Cable entry | 2xM40x1,5-1xM16x1,5 |
| Type of bearing | Locating bearing NDE | | Cable gland | 3 plugs |
| Condensate drainage holes | No | | <div>Special design</div> <div>M2F460 VD for 60 Hz, 50-Hz power</div> | |
| External earthing terminal | No | | | |
| Vibration class | A | | | |
| Insulation | 155(F) to 130(B) | | | |
| Duty type | S1 | | | |
| Direction of rotation | bidirectional | | | |
| Frame material | aluminum | | | |
| Data of anti condensation heating | -/- | | | |
| Coating | Special paint finish | | | |
| Color | RAL7030 | | | |
| Motor protection | (B) 3 PTC thermistors - for tripping | | | |
| Method of cooling | IC411 - self ventilated, surface cooled | | | |

| Environmental conditions | |
|--------------------------|-----------------|
| Ambient temperature | -20 °C - +40 °C |
| Altitude above sea level | 1000 m |

| Explosion protection | |
|----------------------|-------|
| Type of protection | - / - |