



Technical Data Sheet - DOL



Project Location
United Arab Emirates

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|---|---|---|-----------------------------|
| Company Trielectric International FZE | Contact Mr.Saravanan(+971564345964) | Contact Mr.Thamizh(+971502353763) | Item name 1.00003 |
| Our ref. Stock | Rev/Changed by A | Date of issue 9/15/2021 | Saving ident 1(3) |

| No. | Definition | Data | Unit | Remarks |
|---|--|---|-------------------|-----------------------------------|
| 1 | Product | TEFC, 3-phase, squirrel cage induction motor | | |
| 2 | Product code | 3GAA 082 315-BSE | | Calc. ref. GEN_3GAA082315-E_S |
| 3 | Type/Frame | M3AA 80E 4 | | |
| 4 | Mounting | IM3001, B5(flange) | | |
| 5 | Rated output P _N | 0.75 | kW | |
| 6 | Service factor | 1 | | |
| 7 | Type of duty | S1(IEC) 100% | | |
| 8 | Rated voltage U _N | 400 | VY | ± 5 % (IEC 60034-1) |
| 9 | Rated frequency f _N | 50 | Hz | ± 2 % (IEC 60034-1) |
| 10 | Rated speed n _N | 1425 | r/min | |
| 11 | Rated current I _N | 1.88 | A | |
| 12 | No-load current | 1.26 | A | |
| 13 | Starting current I _s /I _N | 6.6 | | Meet IEC 60034-12, N,(H at 60 Hz) |
| 14 | Nominal torque T _N | 5 | Nm | |
| 15 | Locked rotor torque T _s /T _N | 3.5 | | |
| 16 | Maximum torque T _{max} /T _N | 3.6 | | |
| 17 | Minimum torque T _{min} /T _N | 2.7 | | |
| 18 | Speed at minimum torque | 195 | r/min | |
| Load characteristics (IEC 60034-2-1:2014) | | Load % | Current A | Efficiency % |
| 19 | PLL determined from residual loss | 100 | 1.88 | 79.8 / IE2 |
| 20 | | 75 | 1.63 | 80.4 |
| 21 | | 50 | 1.42 | 77.9 |
| 22 | | Start | 12.4 | 0.74 |
| 23 | Maximum starting time from hot | 20 | s | |
| 24 | Maximum starting time from cold | 36 | s | |
| 25 | Insulation class / Temperature class | F / B | | |
| 26 | Ambient temperature | 40 | °C | |
| 27 | Altitude | 1000 | m.a.s.l. | |
| 28 | Enclosure | IP55 | | |
| 29 | Cooling system | IC411 self ventilated | | |
| 30 | Bearing DE/NDE | 6204-2Z/C3 - 6203-2Z/C3 | | |
| 31 | Type of Grease | | | |
| 32 | Sound pressure level (LP dB(A) 1m) | 54 | dB(A) | at load |
| 33 | Moment of inertia J = ¼ GD ² | 0.002 | kg-m ² | |
| 34 | Balancing | | | |
| 35 | Vibration class | | | |
| 36 | Position of terminal box | Top | | |
| 37 | Terminal box entries; no, dimens. | | | |
| 38 | Number of power terminals | | | |
| 39 | Direction of rotation | CW or CCW | | |
| 40 | Weight of rotor | 4 | kg | |
| 41 | Total weight of motor | 15 | kg | |
| 42 | Dimension drawing no. | | | |
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| Ex-motors | | | |
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| Option Variant Codes / Definition | | | | |
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Remarks:
Data based on situation 3/7/2019
All data subject to tolerances in accordance with IEC
Guaranteed values on request