



# SHANGHAI TOP MOTOR CO., LTD

## Technical Data Sheet

**Model** **T3C 160M-6**

|                   |           |                            |
|-------------------|-----------|----------------------------|
| Housing material  |           | Casting iron               |
| Phase             |           | Three                      |
| Frame size        |           | 160M                       |
| Power(50Hz)       | kW        | 7.50                       |
| Current(A)400V    | Δ         | 16.20                      |
| Current(A)690V    | Y         | 9.39                       |
| Speed(50Hz)       | (r/min)   | 960                        |
| Efficiency        | IE3       |                            |
|                   | Eff.100%  | 89.10                      |
|                   | Eff.75%   | 90.30                      |
|                   | Eff.50%   | 88.00                      |
| Power factor cosφ | 100% load | 0.75                       |
| 60Hz 460/793V     | Power(kW) | 8.63                       |
| 60Hz 480/830V     | Power(kW) | 9.00                       |
| Speed(60Hz)       | (r/min)   | 1152                       |
| Regulations       |           | IEC / DIN / ISO / VDE / EN |
| Standard          |           | IEC 60034                  |
| Ambient Temp.     |           | -20°C ~ +40°C              |
| Maximum altitude  |           | 1000 m above sea level     |

|  |                    |
|--|--------------------|
| Rated torque(N.m)                      | 74.61              |
| Tst/Tn (Times)                         | 2.3                |
| Tmax/Tn (Times)                        | 2.8                |
| Tmin/Tn (Times)                        | 1.4                |
| Ist/In (Times)                         | 7.5                |
| Bearings type(DE)                      | 6309C3             |
| Bearings type(NDE)                     | 6309C3             |
| Oil seals                              | 45*65*8            |
| Cable glands                           | 2-M32*1.5          |
| Insulation class                       | F                  |
| Protection degree                      | IP 55              |
| Thermal protection                     | 3x PTC Thermistors |
| Rotation direction                     | Clockwise          |
| Service duty                           | S1                 |
| Balance                                | Half-key balanced  |
| Cooling                                | IC 411             |
| Noise dB(A)                            | 73                 |
| Net weight(kg)                         | 112.00             |
| Moment of inertia (kg*m <sup>2</sup> ) | 0.087260000        |

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