



# TEC ELECTRIC MOTORS LTD.

## Technical Data Sheet

### Model

### T4C 315L1-4

|                   |           |                            |
|-------------------|-----------|----------------------------|
| Housing material  |           | Cast Iron                  |
| Phase             |           | Three                      |
| Frame size        |           | 315L                       |
| Power(50Hz)       | kW        | 160.00                     |
| Current(A)400V    | Δ         | 265.63                     |
| Current(A)690V    | Y         | 153.99                     |
| Speed(50Hz)       | (r/min)   | 1485                       |
| Efficiency        | IE4       |                            |
|                   | Eff.100%  | 96.60                      |
|                   | Eff.75%   | 96.60                      |
|                   | Eff.50%   | 96.30                      |
| Power factor cosφ | 100% load | 0.90                       |
| 60Hz 460/793V     | Power(kW) | 184.00                     |
| 60Hz 480/830V     | Power(kW) | 192.00                     |
| Speed(60Hz)       | (r/min)   | 1782                       |
| 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)                      | 1028.96           |
| Tst/Tn (Times)                         | 1.8               |
| Tmax/Tn (Times)                        | 2.2               |
| Tmin/Tn (Times)                        | 1                 |
| Ist/In (Times)                         | 8.5               |
| Bearings type(DE)                      | NU319             |
| Bearings type(NDE)                     | 6317C3            |
| Oil seals                              | 95*120*12         |
| Cable glands                           | 2-M63*1.5         |
| Insulation class                       | F                 |
| Protection degree                      | IP 55             |
| Thermal protection                     | PTC150°C          |
| Rotation direction                     | Clockwise         |
| Service duty                           | S1                |
| Balance                                | Half-key balanced |
| Cooling                                | IC 411            |
| Noise dB(A)                            | 88                |
| Net weight(kg)                         | 1137.00           |
| Moment of inertia (kg*m <sup>2</sup> ) | 5.267381570       |