



# TEC ELECTRIC MOTORS LTD.

## Technical Data Sheet

### Model

### T4C 315L2-2

|                         |           |                            |
|-------------------------|-----------|----------------------------|
| Housing material        |           | Cast Iron                  |
| Phase                   |           | Three                      |
| Frame size              |           | 315L                       |
| Power(50Hz)             | kW        | 200.00                     |
| Current(A)400V          | $\Delta$  | 336.12                     |
| Current(A)690V          | Y         | 194.85                     |
| Speed(50Hz)             | (r/min)   | 2980                       |
| Efficiency              | IE4       |                            |
|                         | Eff.100%  | 96.50                      |
|                         | Eff.75%   | 96.50                      |
|                         | Eff.50%   | 96.00                      |
| Power factor cos $\phi$ | 100% load | 0.89                       |
| 60Hz 460/793V           | Power(kW) | 230.00                     |
| 60Hz 480/830V           | Power(kW) | 240.00                     |
| Speed(60Hz)             | (r/min)   | 3576                       |
| 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)                      | 640.94            |
| Tst/Tn (Times)                         | 1.8               |
| Tmax/Tn (Times)                        | 2.2               |
| Tmin/Tn (Times)                        | 0.8               |
| Ist/In (Times)                         | 8.5               |
| Bearings type(DE)                      | 6317C3            |
| Bearings type(NDE)                     | 6317C3            |
| Oil seals                              | 85*110*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)                            | 92                |
| Net weight(kg)                         | 1237.00           |
| Moment of inertia (kg*m <sup>2</sup> ) | 3.272571933       |