



TEC ELECTRIC MOTORS LTD

Technical Data Sheet

Model **T2A 712-2**

| | | |
|-------------------|-----------|----------------------------|
| Housing material | | Aluminum |
| Phase | | Three |
| Frame size | | 71 |
| Power(50Hz) | kW | 0.55 |
| Current(A)230V | Δ | 2.29 |
| Current(A)400V | Y | 1.32 |
| Speed(50Hz) | (r/min) | 2840 |
| Efficiency | IE2 | |
| | Eff.100% | 74.10 |
| | Eff.75% | 73.40 |
| | Eff.50% | 70.70 |
| Power factor cosφ | 100% load | 0.81 |
| 60Hz 265/460V | Power(kW) | 0.63 |
| 60Hz 276/480V | Power(kW) | 0.66 |
| Speed(60Hz) | (r/min) | 3410 |
| 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) | 1.85 |
| Tst/Tn (Times) | 2.3 |
| Tmax/Tn (Times) | 2.5 |
| Tmin/Tn (Times) | 1.7 |
| Ist/In (Times) | 5.7 |
| Bearings type(DE) | 6202-2RZ |
| Bearings type(NDE) | 6202-2RZ |
| Oil seals | 15x25x7 |
| Cable glands | 1-M20*1.5 |
| Insulation class | F |
| Protection degree | IP 55 |
| Thermal protection | Without |
| Rotation direction | Clockwise |
| Service duty | S1 |
| Balance | Half-key balanced |
| Cooling | IC 411 |
| Noise dB(A) | 64 |
| Net weight(kg) | 5.80 |
| Moment of inertia (kg*m ²) | 0.000457686 |