

ALPHA



Technical Data Sheet

Model T1C 90L-4

| | | |
|--------------------------|-----------|----------------------------|
| Housing material | | Casting iron |
| Phase | | Three |
| Frame size | | 90 |
| Power(50Hz) | kW | 1.50 |
| Current(A)400V | Δ | 3.69 |
| Current(A)690V | Y | 2.14 |
| Speed(50Hz) | (r/min) | 1430 |
| Efficiency | IE1 | |
| | Eff.100% | 77.20 |
| | Eff.75% | 80.00 |
| | Eff.50% | 77.30 |
| Power factor cosφ | 100% load | 0.76 |
| 60Hz 460/793V | Power(kW) | 1.73 |
| 60Hz 480/830V | Power(kW) | 1.80 |
| Speed(60Hz) | (r/min) | 1716 |
| 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) | 10.02 |
| Tst/Tn (Times) | 2.3 |
| Tmax/Tn (Times) | 2.6 |
| Tmin/Tn (Times) | 2 |
| Ist/In (Times) | 6.5 |
| Bearings type(DE) | 6205-2RZ |
| Bearings type(NDE) | 6205-2RZ |
| Oil seals | 25*37*7 |
| 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) | 61 |
| Net weight(kg) | 23.00 |
| Moment of inertia (kg*m²) | 0.003350000 |



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