# DATASHEET

| Three Phase Induction Motor | Drawing No. | |
|---|---|---|
| SKU: | TS35240051T001 | |
| Type: | **T3A-IE3 100L2-2 4kW 400/690V 50Hz** | |

## Identification

| | | | | | |
|---|---|---|---|---|---|
| Frame: | 100 | mm | Insulation Class: | F | |
| Output: | 4 | kW | Temperature Rise: | 80K | |
| Frequency: | 50 | Hz | Service Factor: | 1,0 | |
| Poles: | 2 | P | Duty: | S1 | |
| Rated Speed: | 2910 | rpm | Ambient Temperature: | -20~40 | |
| Slip: | 3,0 | % | Altitude: | 1000m | |
| Rated Voltage: | 400 / 690 | V | Protection Degree: | IP55 | |
| Connection: | Δ/Y | | Cooling: | IC411 | |
| Rated Current: | 7,3 / 4,2 | A | Mounting: | B3;B35;V1;B5;B14S;B14L;B34S;B34L | |
| Rotor Voltage: | | | Vibration: | 1,6 mm/s | |
| Connection: | | | Approx. Weight: | 27,6 | kg |
| Rotor Current: | | | Moment of Inertia: | 0,0059071 | kg/m2 |
| Locked Rotor Current: | 1010 | % | Noise Level（Lp）: | 80 | dB(A) |
| No Load Current: | | | Direction of Rotation: | BOTH | |
| Rated Torque: | 13,1 | Nm | Starting Method: | DIRECT ON LINE | |
| Locked Rotor Torque: | 330 | % | Coupling: | DIRECT | |
| Breakdown Torque: | 360 | % | **Load Type:** | PARABOLIC CURVE | |
| Nominal Power Loses | 13,51 | % | | | |

## Performance

| Output: | 50% | 75% | 100% |
|---|---|---|---|
| Efficiency(%): | 85,5 | 88,2 | 88,1 |
| Power Factor: | 0,77 | 0,86 | 0,9 |

## Bearing Information

| | DE | NDE |
|---|---|---|
| Bearing: | 6206 2RZ C3 | 6206 2RZ C3 |
| Regreasing int.(h): | | |
| Grease amount(g) | | |
| Grease-PolyrexEM | | |

## Accessories

3x PTC 150°C

## Notes

## Standards

| | |
|---|---|
| Specification: | IEC60034-1/GB755 |
| Test: | IEC60034-2/GB/T1032 |
| Noise: | IEC60034-9/GB10069.3 |
| Vibration: | IEC60034-14/GB10068 |

**PRELIMINARY DOCUMENT**

## Edition

| Performed | Checked | Date |
|---|---|---|
| | | |

| Item | Changes | Performed | Checked | Date |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

**There may be differences between rating plate and calculated values.**