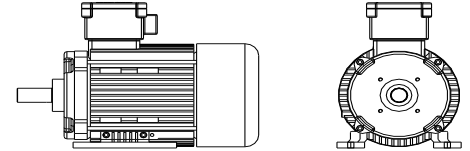


DATA SHEET FOR THREE PHASE MOTOR PART NUMBER 3RL0038

- **Type of protection** II 2G Ex db(eb) IIC T6...T4 Gb IP55 zone 1
- (option II 2D Ex tb IIIC T85°C... T 135°C Db IP 66
- **Ambient temperature**
-20 +60°C for **T4** , -20 +50°C for **T5**, -20 + 40°C for **T6**
Altitude above sea level 1000m
- **Standard specification** IEC,ISO,EN
- **Certificate** : TUV IT13 ATEX 039X
- **Relative humidity** : 90%



| ELECTRICAL DATA | | | GENERAL DATA | |
|-------------------------------------|--|---------|--------------------------------|--------------------------------|
| Frequency (Hz) ±2% | 50 | 60 | Frame size | 112 |
| Voltage ±5% | 230/400 | 265/460 | Type of construction | IMB 3/5/35/14/34 |
| Power (Kw) | 2,2 | 2,5 | Weight (kg) | 35 |
| Motor speed (rpm) | 950 | 1093 | Frame and Tbox material | Aluminium EN46100 |
| Current (A) at V 230/400 | 9,3/5,4 | | Degree protection | IP 55 or IP66 |
| Current (A) at V 265/460 | | 9,3/5,4 | Insulation | F class |
| Torque (N.m) | 22,4 | 19.04 | Duty | S1 |
| Efficiency % IE3 | 84.3 | | Cable entry | N.1 M20 X 1,5 N.1 M25 X 1,5 |
| Power factor | 0.75 | 0.75 | Cooling type | IC411 |
| Starting/rated motor current | 4,7 | | | |
| Starting /rated motor torque | 1,8 | | | |
| PTC temperature (°C) | 120°C mandatory for motors for inverter duty | | | |
| PTC temperature (°C) | 120°C for T4 | | | |
| PTC temperature (°C) | 90°C for T5 | | | |
| PTC temperature (°C) | 70°C for T6 | | | |

| MECHANICAL DATA | |
|---|----------|
| Moment of inertia Kg m² | 0,01418 |
| Bearings | 6206 2Z |
| Max axial load | 580 |
| Max radial load | 1516 |
| Bearings maintenance | 40.000 h |
| Noise level (dB) | 78 |