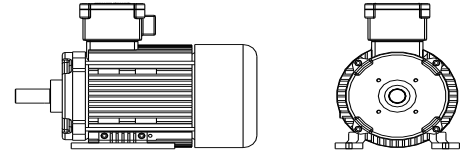


**DATA SHEET FOR THREE PHASE MOTOR PART NUMBER 3RL0050**

- **Type of protection** II 2G Ex db(eb) IIC T6...T4 Gb IP55 zone 1
  - (option II 2D Ex tb IIC 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	
<b>Frequency (Hz) ±2%</b>	50	60	<b>Frame size</b>	132
<b>Voltage ±5%</b>	400/690	460/795	<b>Type of construction</b>	IMB 3/5/35/14/34
<b>Power (Kw)</b>	7,5	8,6	<b>Weight (kg)</b>	61
<b>Motor speed (rpm)</b>	2920	3358	<b>Frame and Tbox material</b>	Aluminium EN46100
<b>Current (A) at V 400/690</b>	13,3/7,7		<b>Degree protection</b>	IP 55 or IP66
<b>Current (A) at V 460/795</b>		13,3/7,7	<b>Insulation</b>	F class
<b>Torque (N.m)</b>	24,7	19,76	<b>Duty</b>	S1
<b>Efficiency IE3</b>	90,1		<b>Cable entry</b>	N.1 M20 X 1,5 N.1 M 32 X 1,5
<b>Power factor</b>	0,91	0,91	<b>Cooling type</b>	IC411
<b>Starting/rated motor current</b>	6,9			
<b>Starting /rated motor torque</b>	2,9			
<b>PTC temperature (°C)</b>	120°C for T4, 90°C FOR T5, 70°C FOR T6 - mandatory for motors for inverter duty			

MECHANICAL DATA	
<b>Moment of inertia Kg m<sup>2</sup></b>	0,01476
<b>Bearings</b>	6308 2Z
<b>Max axial load</b>	850
<b>Max radial load</b>	1941
<b>Bearings maintenance</b>	20.000 h
<b>Noise level (dB)</b>	78