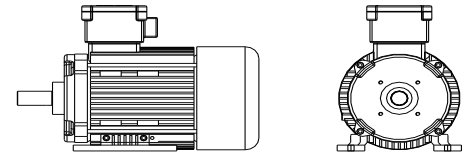


## DATA SHEET FOR THREE PHASE MOTOR PART NUMBER 3RL0059

- **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	
<b>Frequency (Hz) ±2%</b>	50	60	<b>Frame size</b>	160
<b>Voltage ±5%</b>	400/690	460/795	<b>Type of construction</b>	IMB 3/5/35/14/34
<b>Power (Kw)</b>	11	13	<b>Weight (kg)</b>	125
<b>Motor speed (rpm)</b>	1460	1679	<b>Frame and Tbox material</b>	Aluminium EN46100
<b>Current (A) at V 400/690</b>	21,97/12,7		<b>Degree protection</b>	IP 55 or IP66
<b>Current (A) at V 460/795</b>		21,97/12,7	<b>Insulation</b>	F class
<b>Torque (N.m)</b>	72	61,2	<b>Duty</b>	S1
<b>Efficiency IE3</b>	91,4		<b>Cable entry</b>	N.1 M20 X 1,5 N.1 M32 X 1,5
<b>Power factor</b>	0,85	0,85	<b>Cooling type</b>	IC411
<b>Starting/rated motor current</b>	5,5			
<b>Starting /rated motor torque</b>	2,6			
<b>PTC temperature (°C)</b>	120°C FOR T4 /90°C FOR T5 /70 °C FOR T6-		<b>MANDATORY FOR INVERTER DUTY</b>	

MECHANICAL DATA	
<b>Moment of inertia Kg m<sup>2</sup></b>	0,085
<b>Bearings</b>	6309 2Z
<b>Max axial load</b>	1000
<b>Max radial load</b>	2421
<b>Bearings maintenance</b>	40.000 h
<b>Noise level (dB)</b>	78