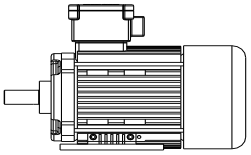
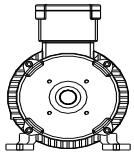
DATA SHEET FOR THREE PHASE MOTOR PART NUMBER 3RL0054

- **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**	160
Voltage ±5%	400/690	460/795	**Type of construction**	IMB 3/5/35/14/34
Power (Kw)	15	17,30	**Weight (kg)**	110
Motor speed (rpm)	2950	3393	**Frame and Tbox material**	Aluminium EN46100
Current (A) at V 400/690	26.30/15.2		**Degree protection**	IP 55 or IP66
Current (A) at V 460/795		26.30/15.2	**Insulation**	F class
Torque (N.m)	49	41.65	**Duty**	S1
Efficiency % IE3	91.9		**Cable entry**	N.1 M20 X 1,5 N.1 M32 X 1,5
Power factor	0,9	0,89	**Cooling type**	IC411
Starting/rated motor current	8,4			
Starting /rated motor torque	3,1			
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 m^2	0,05175
Bearings	6309 2Z
Max axial load	1000
Max radial load	2421
Bearings maintenance	20.000 h
Noise level (dB)	78