



## MOTOR DATA SHEET

Motor type: **ExSg160M-6-2GT3\_2D**

Series: **GAS AND DUST - CATEGORY 2D, 3D, 3G**

07-06-2025

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	7.5	10	S1	15.7	960	74.6	2.2	2.8	7.4	85.8	87.0	86.3	0.63	0.75	0.80

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	62
Frame size	160	Sound power level [dB]	73
Number of poles	6	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63092Z
Frequency converter supply	no	Bearing on ND-side	63092Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	99	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.068	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP66	Climatic execution	N

### ENVIRONMENTAL CONDITIONS

Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

### ACCESSORY

Number of terminals or cables	6	Temperature sensors in bearings	on demand
Cable glands/inlets	2	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

### STANDARDS

EN 60034-1, EN 60079-0, EN 60079-7, EN 60079-15, EN 60079-31

### CERTIFICATES

ATEX

### ADDITIONAL INFO

Ex marking	II 2G Ex eb IIC T3 Gb / II 2D Ex tb IIIC T125°C Db	
------------	--	--