

MOTOR DATA SHEET

Motor type: **ExSg112M-6-2GT4_2D**



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

03-02-2026

ELECTRICAL PARAMETERS

<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	1.6	2.1	S1	3.9	970	15.8	2.8	3.4	7.9	75.8	79.8	81.1	0.52	0.65	0.73

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	60
Frame size	112	Sound power level [dB]	70
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	63062Z
Frequency converter supply	no	Bearing on ND-side	63062Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	32	Feet - material	aluminium
Moment of inertia [kgm ²]	0.019	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 T4 Gb / II 2D Ex tb IIIC T125°C Db	
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