

MOTOR DATA SHEET

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

Series: Gas and Dust - category 2D, 3D, 3G



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	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	32 Feet - material			
Moment of inertia [kgm2]	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				

