

## **MOTOR DATA SHEET**

Motor type: **ExSg160L-2-2GT3\_2D** 

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



02-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ı	D	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	16	21.4	S1	28.3	2940	52	2.8	3.5	7.7	89.0	90.5	90.8	0.80	0.87	0.90

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	73		
Frame size	160	Sound power level [dB]	84		
Number of poles	2	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]	132	Feet - material	cast iron		
Moment of inertia [kgm2]	0.058	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			

