

MOTOR DATA SHEET

Motor type: **ExSg100L-4B-2GT4**

Series: **Increased safety**



30-11-2025

	ELECTRICAL PARAMETERS																	
	U	CONN.	f	ŀ	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at lo	oad [-]
	V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
4	100	Y	50	2	2.7	S1	4.3	1425	13.4	2.4	2.7	6.7	77.6	79.9	79.8	0.68	0.79	0.85

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	60				
Frame size	100	Sound power level [dB]	70				
Number of poles	4	Terminal box position	top				
Starting method	DOL	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	62062Z				
Frequency converter supply	no	Bearing on ND-side	62062Z				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	aluminium				
Weight (IMB3) [kg]	23.9	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0082	Bearing shields - material	aluminium				
Direction of rotation	CW/CCW	Painting	RAL5010				
Degree of protection	IP55	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	no			
Temperature sensors in winding	on demand	Optional accessories	on demand			

STANDARDS
EN 60079-0, EN 60079-15

CERTIFICATES	
ATEX	

	ADDITIO	NAL INFO			
tE heating time up to T4 temperature [s]	7	Ex marking	II 2G Ex eb IIC T4		

