

## **MOTOR DATA SHEET**

Motor type: **ExSg100L-4B-2GT3** 

Series: INCREASED SAFETY



11-12-2025

ELECTRICAL PARAMETERS								S									
U	CONN.	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	Y	50	3	4	S1	6.9	1415	20.2	2.6	2.9	5.9	74.7	77.8	78.0	0.60	0.73	0.81

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]	24	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 T3 temperature [s]	9	Ex marking	II 2G Ex eb IIC T3		

