

MOTOR DATA SHEET

Motor type: **ExSg100L-4B-3GT4**

Series: NON SPARKING



10-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	D	Duty	I	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	2	2.7	S1	4.3	1425	13.4	2.4	2.7	6.2	77.6	80.0	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	on demand	Bearing on ND-side	62062Z			
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 [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

	NAL INFO			
Ex marking	II 3G ExnA IIC T3-T4 Gc			

