



## MOTOR DATA SHEET

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

Series: **INCREASED SAFETY**

27-09-2024

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	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	6.7	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 [kg]	23.9	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	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

### ADDITIONAL INFO

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