



## MOTOR DATA SHEET

Motor type: **ExSg160M-4-2GT3**

Series: **INCREASED SAFETY**

21-12-2024

### 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	Δ	50	11	15	S1	21.1	1460	72	2.2	3.1	6.5	87.9	88.9	88.5	0.70	0.80	0.85

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	63
Frame size	160	Sound power level [dB]	74
Number of poles	4	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]	104	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.061	Bearing shields - material	cast iron
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 T3 temperature [s]	7	Ex marking	II 2G Ex eb IIC T3
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