



## MOTOR DATA SHEET

Motor type: **ExSg180M-2-3GT3**

Series: **NON SPARKING**

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 [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	18.5	25	S1	39.8	2920	60.51	2.5	2.5	6	87.8	89.9	90.6	0.76	0.84	0.88

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	77
Frame size	180	Sound power level [dB]	88
Number of poles	2	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63112Z
Frequency converter supply	on demand	Bearing on ND-side	63112Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight [kg]	165	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.076	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

Ex marking	II 3G ExnA IIC T3-T4 Gc		
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