

MOTOR DATA SHEET

Motor type: **ExSh90S-2-2GT3**

Series: **INCREASED SAFETY**



03-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	1.5	2	S1	3.5	2850	5	2.9	3	6	74.1	77.5	77.8	0.60	0.73	0.81

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	68
Frame size	90	Sound power level [dB]	78
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62052Z
Frequency converter supply	no	Bearing on ND-side	62052Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	12.5	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0013	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 T3 temperature [s]	10	Ex marking	II 2G Ex eb IIC T3
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