



MOTOR DATA SHEET

Motor type: **ExSh90S-4-3GT3**

Series: **NON SPARKING**

13-01-2025

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	1.1	1.5	S1	2.6	1405	7.48	2.2	2.8	4.9	70.6	74.9	76.7	0.61	0.74	0.80

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	56
Frame size	90	Sound power level [dB]	66
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	62052Z
Frequency converter supply	on demand	Bearing on ND-side	62052Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	13.5	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0023	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

Ex marking	II 3G ExnA IIC T3-T4 Gc		
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