



MOTOR DATA SHEET

Motor type: **ExSh90S-2-2GT4_2D**

Series: **Gas and Dust - category 2D, 3D, 3G**

04-06-2025

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	1	1.36	S1	2.3	2895	3.3	3.8	4.1	7.5	74.5	78.7	79.6	0.56	0.70	0.78

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]	12.7	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0013	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP66	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	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

STANDARDS

EN 60034-1, EN 60079-0, EN 60079-7, EN 60079-15, EN 60079-31

CERTIFICATES

ATEX

ADDITIONAL INFO

Ex marking	II 2G Ex eb IIC T4 Gb / II 2D Ex tb IIIC T125°C Db	
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