



MOTOR DATA SHEET

Motor type: **ExSh90S-4-2GT4_2D**

Series: **GAS AND DUST - CATEGORY 2D, 3D, 3G**

22-12-2024

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	Y	50	0.8	1.07	S1	2	1435	5.3	2.6	3.1	4.1	71.0	75.1	75.8	0.53	0.66	0.75

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	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]	0.0027	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	