

## **MOTOR DATA SHEET**

Motor type: **ExSh90L-4-3GT3** 

Series: Non sparking



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	1.5	2	S1	3.5	1410	10.16	2.5	2.8	5.3	77.6	80.0	79.0	0.58	0.70	0.78

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	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]	16.5	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0028	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						

