

MOTOR DATA SHEET

Motor type: **ExSh90S-2-3GT4**

Series: NON SPARKING



10-12-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	D	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	1.36	S1	2.3	2895	3.3	3.8	4.1	7.5	76.4	79.3	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	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]	12.7	Feet - material	aluminium			
Moment of inertia [kgm2]	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						
Ex marking	II 3G ExnA IIC T3-T4 Gc					

