



MOTOR DATA SHEET

Motor type: **ExSh90S-6-2GT4**

Series: **INCREASED SAFETY**

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	0.65	0.88	S1	2	935	6.6	2.3	2.6	6.2	65.1	69.9	71.1	0.45	0.57	0.68

GENERAL DATA			
Efficiency class	-	Sound pressure level [dB]	53
Frame size	90	Sound power level [dB]	63
Number of poles	6	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]	12.4	Feet - material	aluminium
Moment of inertia [kgm ²]	0.002	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			
tE heating time up to T4 temperature [s]	18	Ex marking	II 2G Ex eb IIC T4