

MOTOR DATA SHEET

Motor type: **ExSh90L-2-2GT3**

Series: INCREASED SAFETY



11-12-2025

								ELECTI	RICAL	PARAN	IETER	S						
U	J	CONN.	f	ŀ	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
١	/	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
40	00	Y	50	2.2	3	S1	4.7	2860	7.3	3	3.2	7.1	78.7	81.2	81.7	0.61	0.73	0.82

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]	15.9	Feet - material	aluminium				
Moment of inertia [kgm2]	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	from -20 up to +40 Altitude above sea level [m]						
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 T3 temperature [s]	5	Ex marking	II 2G Ex eb IIC T3		

