

MOTOR DATA SHEET

Motor type: **ExSh90S-4-2GT3**

Series: INCREASED SAFETY



02-11-2025

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	Δ	50	1.1	1.5	S1	2.7	1405	7.5	2	2.4	3.7	70.6	73.2	72.9	0.58	0.71	0.80

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 or Y/Δ	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 [kgm2]	0.0027	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					

	ADDITIO	ONAL INFO				
tE heating time up to T3 temperature [s]	14	Ex marking	II 2G Ex eb IIC T3			

