

MOTOR DATA SHEET

Motor type: **ExSg112M-4-2GT4**

Series: INCREASED SAFETY



01-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	D	Duty	I	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	2.4	3.3	S1	4.9	1450	15.8	3	3.7	5.9	80.8	83.3	83.8	0.65	0.77	0.84

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	62			
Frame size	112	Sound power level [dB]	72			
Number of poles	4	Terminal box position	top			
Starting method	DOL or Y/∆	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	63062Z			
Frequency converter supply	no	Bearing on ND-side	63062Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	33	Feet - material	aluminium			
Moment of inertia [kgm2]	0.014	Bearing shields - material	cast iron			
Direction of rotation	CW/CCW	Painting	RAL5010			
Degree of protection	IP55	Climatic execution	N			

	ENVIRONMENT	AL 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]	8	Ex marking	II 2G Ex eb IIC T4			

