

## **MOTOR DATA SHEET**

Motor type: **Ex3SIE112M2-2GT3** 

Series: INCREASED SAFETY IE3



21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	Þ	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Powe	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	4	5.5	S1	7.4	2925	13.0	2.3	3.2	8.4	88.7	89.0	88.1			0.89

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	61			
Frame size	112	Sound power level [dB]	74			
Number of poles	2	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	no			
Insulation class	F	Bearing on D-side	63062Z			
Frequency converter supply	yes	Bearing on ND-side	63062Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	35.5	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0075	Bearing shields - material	cast iron			
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 60034-1, EN-IEC 60079-0, EN 60079-7

CERTIFICATES
ATEX

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

