



MOTOR DATA SHEET

Motor type: **Ex3SIE90S2-2GT3**

Series: **INCREASED SAFETY IE3**

14-10-2024

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	1.5	2	S1	3	2925	4.9	2.4	3.5	9.3	82.7	84.4	84.2			0.85

GENERAL DATA			
Efficiency class	IE3	Sound pressure level [dB]	63
Frame size	90	Sound power level [dB]	75
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	62052Z
Frequency converter supply	yes	Bearing on ND-side	62052Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	16.5	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0014	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 60034-1, EN-IEC 60079-0, EN 60079-7	

CERTIFICATES	
ATEX	

ADDITIONAL INFO			
tE heating time up to T3 temperature [s]	8.5	Ex marking	II 2G Ex eb IIC T3