

MOTOR DATA SHEET

Motor type: **Ex3SIE90S2-2GT3**

Series: INCREASED SAFETY IE3



21-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	ŀ	•	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	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 [kgm2]	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	n -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 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			

