



## MOTOR DATA SHEET

Motor type: **Ex3SIE90S4-2GT3**

Series: **INCREASED SAFETY IE3**

07-06-2025

### 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	1.1	1.5	S1	2.5	1450	7.2	2.3	3.5	6.9	81.8	84.0	84.1			0.77

### GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	54
Frame size	90	Sound power level [dB]	66
Number of poles	4	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]	18	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	0.0036	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]	18	Ex marking	II 2G Ex eb IIC T3
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