

MOTOR DATA SHEET

Motor type: **Ex3SIE90S6-2GT3**

Series: Increased safety IE3



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	D	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	0.75	1	S1	2	940	7.6	1.7	2.4	4.3	77.2	79.3	78.9			0.70

GENERAL DATA						
Efficiency class	IE3	Sound pressure level [dB]	50			
Frame size	90	Sound power level [dB]	62			
Number of poles	6	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	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0032	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	

	ADDITIO	NAL INFO			
tE heating time up to T3 temperature [s]	21	Ex marking	II 2G Ex eb IIC T3		

