

## **MOTOR DATA SHEET**

Motor type: **Sg112M-8** 

Series: **IE1** 



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	•	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	Δ	50	1.5	2.0	S1	4.0	720	19.89	1.9	2.3	4.6	72.5	76.2	76.8	0.48	0.62	0.71
690	Y	50	1.5	2.0	S1	2.3	720	19.89	1.9	2.3	4.6	72.5	76.2	76.8	0.48	0.62	0.71

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	57				
Frame size	112	Sound power level [dB]	67				
Number of poles	8	Terminal box position	top				
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes				
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]	31	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0192	Bearing shields - material	cast iron				
Direction of rotation	CW/CCW	Painting	RAL5010				
Degree of protection	IP55	Climatic execution	N				

ENVIRONMENTAL CONDITIONS								
Ambient temperature [°C]	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	1	Winding heaters	on demand				
Temperature sensors in winding	on demand	Optional accessories	on demand				

STANDARDS
IEC 60034-1

CERTIFICATES	
on demand	

