

## **MOTOR DATA SHEET**

Motor type: **Sg100L-2** 

Series: **IE1** 



23-10-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
230	Δ	50	3.0	4.0	S1	10.5	2905	9.86	2.7	2.8	7.5	80.9	83.2	83.4	0.69	0.80	0.86
400	Y	50	3.0	4.0	S1	6.0	2905	9.86	2.7	2.8	7.5	80.9	83.2	83.4	0.69	0.80	0.86

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	71			
Frame size	100	Sound power level [dB]	81			
Number of poles	2	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	62062Z			
Frequency converter supply	yes	Bearing on ND-side	62062Z			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	25	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0048	Bearing shields - material	aluminium			
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	

