

MOTOR DATA SHEET

Motor type: **Sg100L-12**

Series: **ABOVE 8-POLES**



28-10-2025

	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
230	Δ	50	0.55	0.75	S1	4.8	450	11.67	1.3	1.5	2.3	43.8	51.4	54.4	0.39	0.46	0.53
400	Y	50	0.55	0.75	S1	2.8	450	11.67	1.3	1.5	2.3	43.8	51.4	54.4	0.39	0.46	0.53

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	64			
Frame size	100	Sound power level [dB]	54			
Number of poles	12	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	6206 2Z C3			
Frequency converter supply	yes	Bearing on ND-side	6206 2Z C3			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	22	Feet - material	aluminium			
Moment of inertia [kgm2]	0.009	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	

