

MOTOR DATA SHEET

Motor type: **Sg160M-12**

Series: **ABOVE 8-POLES**



28-10-2025

	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	2.2	3.0	S1	8.3	470	44.7	1.4	2.4	3.4	69.0	73.8	75.0	0.35	0.50	0.51
690	Y	50	2.2	3.0	S1	4.8	470	44.7	1.4	2.4	3.4	69.0	73.8	75.0	0.35	0.50	0.51

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	73				
Frame size	160	Sound power level [dB]	62				
Number of poles	12	Terminal box position	top				
Starting method	DOL	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	6309 2Z C3				
Frequency converter supply	yes	Bearing on ND-side	6309 2Z C3				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	cast iron				
Weight (IMB3) [kg]	100	Feet - material	cast iron				
Moment of inertia [kgm2]	0.072	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	

