

MOTOR DATA SHEET

Motor type: **Sg112M-12**

Series: **ABOVE 8-POLES**



22-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%]		Power	Power factor at load [-]		
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	0.75	1.0	S1	3.5	475	15.08	1.5	2.5	3.0	54.3	59.8	65.3	0.36	0.42	0.47
690	Y	50	0.75	1.0	S1	2	475	15.08	1.5	2.5	3.0	54.3	59.8	65.3	0.36	0.42	0.47

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	70			
Frame size	112	Sound power level [dB]	60			
Number of poles	12	Terminal box position	top			
Starting method	DOL	Possibility of terminal box rotation	yes			
Insulation class	F	Bearing on D-side	6306 2Z C3			
Frequency converter supply	yes	Bearing on ND-side	6306 2Z C3			
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no			
Cooling method	IC411	Housing - material	aluminium			
Weight (IMB3) [kg]	33	Feet - material	aluminium			
Moment of inertia [kgm2]	0.0177	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	

