

MOTOR DATA SHEET



Motor type: **Sg112M-12**

Series: **ABOVE 8-POLES**

03-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	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 [kgm ²]	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