

MOTOR DATA SHEET

Motor type: **Sg112M-8_6**

Series: Multi speed



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	Þ	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	Y	50	1.2	1.6	S1	3.9	720	15.92	2.15	2.8	4.5	62.5	68.6	70.9	0.42	0.54	0.63
400	Y	50	1.6	2.1	S1	4.1	955	16	1.5	2.0	4.8	73.5	77.4	78.1	0.51	0.64	0.73

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	64 63				
Frame size	112	Sound power level [dB]	67 65				
Number of poles	8 6	Terminal box position	top				
Starting method	DOL / DOL	Possibility of terminal box rotation	yes				
Insulation class	F	Bearing on D-side	63062Z				
Frequency converter supply	on demand	Bearing on ND-side	63062Z				
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]	0.0178	Bearing shields - material	cast iron				
Direction of rotation	CW/CCW	Painting	RAL5010				
Degree of protection	IP 55	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	

