



## MOTOR DATA SHEET

Motor type: **Sg112M-8\_4**

Series: **MULTI SPEED**



06-06-2025

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	1.6	2.1	S1	5.1	715	21.37	2.5	2.8	4.55	66.7	72.7	74.4	0.39	0.51	0.60
400	YY	50	3.0	4.0	S1	6.3	1415	20.25	1.4	2.2	5.35	81.2	82.2	83.3	0.70	0.81	0.86

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	60 57
Frame size	112	Sound power level [dB]	69 70
Number of poles	8 4	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 [kgm <sup>2</sup> ]	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