



## MOTOR DATA SHEET

Motor type: **Sg160M-12\_6**

Series: **Multi speed**

22-12-2024

### ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
400	Δ	50	2.6	3.5	S1	9.4	475	52.27	1.5	2.2	3.5	68.6	73.6	75.0	0.35	0.45	0.53
400	YY	50	5.5	7.5	S1	11.2	950	55.29	1.4	2.0	5.1	85.1	85.3	83.4	0.72	0.81	0.85

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	74 71
Frame size	160	Sound power level [dB]	72 78
Number of poles	12 6	Terminal box position	top
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63092Z
Frequency converter supply	on demand	Bearing on ND-side	63092Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	on demand
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	105	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.07	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