



## MOTOR DATA SHEET

Motor type: **Sg160M-8\_4\_2**

Series: **MULTI SPEED**

04-12-2024

### 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	Y	50	2.7	3.6	S1	8	725	35.57	1.6	2.2	3.9	70.6	75.2	76.4	0.43	0.43	0.64
400	Δ	50	5.3	7.2	S1	11.6	1475	34.31	1.4	2.6	6.4	78.7	82.0	82.7	0.60	0.60	0.80
400	YY	50	7.0	9.4	S1	13.7	2940	22.74	1.2	2.4	6.8	73.0	77.6	79.1	0.85	0.85	0.93

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	66 70 80
Frame size	160	Sound power level [dB]	73 76 78
Number of poles	8 4 2	Terminal box position	top
Starting method	DOL / 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]	110	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.061	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