



## MOTOR DATA SHEET

Motor type: **Sg160L-8\_6\_4**

Series: **Multi speed**

13-03-2025

### 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	4.7	6.4	S1	12.1	725	61.91	1.8	2.8	5.7	77.8	81.1	81.7	0.47	0.60	0.69
400	Y	50	5.9	8.0	S1	13.1	975	57.79	1.5	2.3	6.3	80.7	83.6	84.1	0.55	0.68	0.77
400	YY	50	8.1	10.9	S1	14.9	1440	53.72	1.5	2.8	6.4	86.5	86.7	85.1	0.84	0.90	0.92

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	66 68 70
Frame size	160	Sound power level [dB]	62 64 64
Number of poles	8 6 4	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]	130	Feet - material	cast iron
Moment of inertia [kgm <sup>2</sup> ]	0.096	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