



MOTOR DATA SHEET

Motor type: **Sg160M-6_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	4.0	5.5	S1	9.4	970	39.38	1.7	2.3	5.1	78.9	81.6	81.6	0.54	0.67	0.75
400	Δ	50	6.2	8.4	S1	13.5	1470	40.28	1.8	2.8	6.8	80.1	83.3	84.1	0.59	0.71	0.79

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	64 67 82
Frame size	160	Sound power level [dB]	72 75 77
Number of poles	6 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 ²]	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