

MOTOR DATA SHEET

Motor type: **Sg160M-12_6**

Series: Multi speed



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	Þ	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	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 [kgm2]	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	

