

MOTOR DATA SHEET

Motor type: **Sg160M-8_4_2**

Series: MULTI SPEED



08-12-2025

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

