

MOTOR DATA SHEET

Motor type: **Sg160M-8_6_4**

Series: Multi speed



30-11-2025

ELECTRICAL PARAMETERS																	
U	CONN.	f	P		Duty	1	n	Т	TL/T	TB/T	IL/I	Efficiency at load [%]		Power	Power factor at load [-]		
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	3.5	4.8	S1	9.6	725	46.1	1.8	2.6	5.4	74.6	78.7	79.8	0.44	0.57	0.66
400	Y	50	4.6	6.3	S1	10.7	975	45.06	1.5	2.5	5.8	78.4	81.6	82.3	0.53	0.66	0.75
400	YY	50	6.4	8.6	S1	12	1435	42.59	1.5	2.0	5.9	85.2	85.3	83.5	0.84	0.90	0.92

GENERAL DATA						
Efficiency class	-	Sound pressure level [dB]	67 67 70			
Frame size	160	Sound power level [dB]	62 62 60			
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]	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	

