



IE1 STANDARD EFFICIENCY

MOTOR DATA SHEET

Motor type: **Sg160M-2B**

Series: **IE1**

18-02-2026

ELECTRICAL PARAMETERS																	
<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	15	20	S1	26.7	2935	48.81	2.0	2.6	7.2	90.6	91.5	91.0	0.80	0.86	0.89
690	Y	50	15	20	S1	15.5	2935	48.81	2.0	2.6	7.2	90.6	91.5	91.0	0.80	0.86	0.89

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	73
Frame size	160	Sound power level [dB]	84
Number of poles	2	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63092Z
Frequency converter supply	yes	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]	103	Feet - material	cast iron
Moment of inertia [kgm ²]	0.048	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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