



MOTOR DATA SHEET

Motor type: **3SIE160M8A**

Series: **IE3**

23-02-2026

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	4.0	5.5	S1	9.3	710	53.8	1.6	2.3	4.6	85.7	86.3	84.8	0.53	0.66	0.73
690	Y	50	4.0	5.5	S1	5.4	710	53.8	1.6	2.3	4.6	85.7	86.3	84.8	0.53	0.66	0.73

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	49
Frame size	160	Sound power level [dB]	59
Number of poles	8	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63092ZC3
Frequency converter supply	yes	Bearing on ND-side	63092ZC3
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	on demand
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	73	Feet - material	aluminium
Moment of inertia [kgm ²]	0.057	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