



MOTOR DATA SHEET

Motor type: **3SIE90S8**

Series: **IE3**

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
230	Δ	50	0.37	0.50	S1	2.35	705	5.0	1.4	2.2	3.6	61.1	67.3	69.3	0.37	0.47	0.57
400	Y	50	0.37	0.50	S1	1.35	705	5.0	1.4	2.2	3.6	61.1	67.3	69.3	0.37	0.47	0.57

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	45
Frame size	90	Sound power level [dB]	55
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	62052ZC3
Frequency converter supply	yes	Bearing on ND-side	62052ZC3
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	14	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0026	Bearing shields - material	aluminium
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