

MOTOR DATA SHEET

Motor type: **2SIE90L2**

Series: **IE2**



23-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	Þ	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
230	Δ	50	2.2	3.0	S1	8.2	2870	7.3	3.7	3.7	7.3	83.3	84.4	83.5	0.61	0.73	0.81
400	Y	50	2.2	3.0	S1	4.7	2870	7.3	3.7	3.7	7.3	83.3	84.4	83.5	0.61	0.73	0.81

GENERAL DATA							
Efficiency class	IE2	Sound pressure level [dB]	63				
Frame size	90	Sound power level [dB]	75				
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	62052Z				
Frequency converter supply	yes	Bearing on ND-side	62052Z				
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no				
Cooling method	IC411	Housing - material	aluminium				
Weight (IMB3) [kg]	17.3	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0016	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	

