

MOTOR DATA SHEET

Motor type: **2SIE90L2**

Series: **IE2**



30-11-2025

	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	

