

MOTOR DATA SHEET

Motor type: **Sh90L-4**

Series: **IE1**



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	,	•	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	1.5	2.0	S1	6.1	1410	10.16	2.5	3.0	5.3	78.1	80.0	79.0	0.57	0.70	0.78
400	Y	50	1.5	2.0	S1	3.5	1410	10.16	2.5	3.0	5.3	78.1	80.0	79.0	0.57	0.70	0.78

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	61				
Frame size	90	Sound power level [dB]	71				
Number of poles	4	Terminal box position	top				
Starting method	DOL	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]	16.5	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0028	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	

