

## **MOTOR DATA SHEET**

Motor type: **Sh90S-4** 

Series: **IE1** 



30-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	F	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	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	1.1	1.5	S1	4.5	1405	7.48	2.2	2.8	4.9	75.7	77.8	76.7	0.59	0.72	0.80
400	Y	50	1.1	1.5	S1	2.6	1405	7.48	2.2	2.8	4.9	75.7	77.8	76.7	0.59	0.72	0.80

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	60				
Frame size	90	Sound power level [dB]	70				
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]	14	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0023	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	

