

MOTOR DATA SHEET

Motor type: **Sh90S-8**

Series: **IE1**



22-10-2025

	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	0.37	0.50	S1	2.5	695	5.09	1.7	2.3	3.0	54.2	60.8	63.4	0.40	0.50	0.59
400	Y	50	0.37	0.50	S1	1.4	695	5.09	1.7	2.3	3.0	54.2	60.8	63.4	0.40	0.50	0.59

GENERAL DATA							
Efficiency class	-	Sound pressure level [dB]	51				
Frame size	90	Sound power level [dB]	61				
Number of poles	8	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]	13.4	Feet - material	aluminium				
Moment of inertia [kgm2]	0.0021	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	

