



MOTOR DATA SHEET

Motor type: **Sh90S-6**

Series: **IE1**

04-12-2024

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
			kW	HP								-	-	-	2/4	3/4	4/4
230	Δ	50	0.75	1.0	S1	3.6	915	7.83	1.9	2.2	3.7	70.2	73.3	72.4	0.48	0.62	0.72
400	Y	50	0.75	1.0	S1	2.1	915	7.83	1.9	2.2	3.7	70.2	73.3	72.4	0.48	0.62	0.72

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	55
Frame size	90	Sound power level [dB]	65
Number of poles	6	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]	13.5	Feet - material	aluminium
Moment of inertia [kgm ²]	0.002	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