



MOTOR DATA SHEET

 Motor type: **Sh90-8_4L**

 Series: **MULTI SPEED**


03-02-2026

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	0.55	0.73	S1	2.1	670	7.84	1.6	1.6	2.2	-	-	55.0	-	-	0.70
400	YY	50	1.0	1.3	S1	2.5	1350	7.07	1.5	1.6	2.4	-	-	58.0	-	-	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	90	Sound power level [dB]	-
Number of poles	8 4	Terminal box position	top
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62052Z
Frequency converter supply	on demand	Bearing on ND-side	62052Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	13	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0032	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP 54/IP 55	Climatic execution	U/2

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		
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STANDARDS

IEC 60034-1

CERTIFICATES

on demand
