



MOTOR DATA SHEET

Motor type: **Sh90-8_4S**

Series: **MULTI SPEED**

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
400	Δ	50	0.37	0.49	S1	1.75	690	5.12	1.6	2	2.4	-	-	72.0	-	-	0.85
400	YY	50	0.7	0.94	S1	1.75	1380	4.84	1.4	1.7	3.5	-	-	72.0	-	-	0.85

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]	10.8	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0024	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		
-------------------------------	---	--	--

STANDARDS

IEC 60034-1

CERTIFICATES

on demand