



## MOTOR DATA SHEET

Motor type: **Sh90S-4\_2A**

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	1.1	1.50	S1	2.8	1410	7.45	1.65	2.1	4.35	68.6	72.2	72.0	0.57	0.71	0.81
400	YY	50	1.4	1.9	S1	3.1	2785	4.8	1.7	2.1	4.5	71.7	74.1	73.1	0.70	0.82	0.89

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	61 65
Frame size	90	Sound power level [dB]	73 79
Number of poles	4 2	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]	14	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	0.0023	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP 55	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