

## MOTOR DATA SHEET

Motor type: **Sh90S-8\_4**

Series: **MULTI SPEED**



13-06-2025

### 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	0.37	0.5	S1	1.7	705	5.01	2.15	2.3	2.95	42.0	50.6	55.2	0.39	0.47	0.55
400	YY	50	0.75	1.0	S1	1.7	1385	5.17	1.55	1.8	4.15	74.0	75.2	72.9	0.69	0.81	0.87

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	60 65
Frame size	90	Sound power level [dB]	87 87
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]	14.9	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	0.0025	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