



## MOTOR DATA SHEET

Motor type: **SEMH90-4S**

Series: **SINGLE PHASE**



08-05-2024

### 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	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
230	-	50	0.75	1	S1	5.6	1340	5.19	0.65	1.5	2.5	-	-	65.0	-	-	0.9

### GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	90	Sound power level [dB]	-
Number of poles	4	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	62052Z
Frequency converter supply	-	Bearing on ND-side	62052Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight [kg]	12.5	Feet - material	aluminium
Moment of inertia [kgm <sup>2</sup> ]	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]	from -15 up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

### ACCESSORY

Number of terminals or cables	4	Temperature sensors in bearings	no
Cable glands/inlets	1	Winding heaters	no
Temperature sensors in winding	no	Optional accessories	on demand

### STANDARDS

IEC 60034-1
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### CERTIFICATES

on demand
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### ADDITIONAL INFO

Run capacitor [mikroF/V]	25	Starting capacitor [mikroF/V]	-
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