

MOTOR DATA SHEET

Motor type: **SEMH90-4L**

Series: **SINGLE PHASE**



31-05-2025

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
230	-	50	1.1	1.5	S1	7.8	1300	8.08	0.5	1.4	2.2	-	-	67.0	-	-	0.92

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 (IMB3) [kg]	14.5	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]	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

CERTIFICATES

on demand

ADDITIONAL INFO

Run capacitor [mikroF/V]	40	Starting capacitor [mikroF/V]	-
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