



MOTOR DATA SHEET

Motor type: **SEMh90-2S**

Series: **SINGLE PHASE**

03-02-2026

ELECTRICAL PARAMETERS

<i>U</i>	CONN.	<i>f</i>	<i>P</i>		Duty	<i>I</i>	<i>n</i>	<i>T</i>	<i>TL/T</i>	<i>TB/T</i>	<i>IL/I</i>	Efficiency at load [%]			Power factor at load [-]		
<i>V</i>	-	Hz	<i>kW</i>	<i>HP</i>	-	A	<i>rpm</i>	<i>Nm</i>	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
230	-	50	1.1	1.5	S1	6.4	2780	3.81	0.6	1.8	3.5	-	-	76.0	-	-	0.98

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	90	Sound power level [dB]	-
Number of poles	2	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]	11.7	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0012	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]	30	Starting capacitor [mikroF/V]	-
--------------------------	----	-------------------------------	---