

MOTOR DATA SHEET

Motor type: **SEMh90-2S**

Series: SINGLE PHASE



29-10-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ı	D	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	r factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	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 [kgm2]	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]	-			

