

MOTOR DATA SHEET

Motor type: **Sh90-8_2S**

Series: Multi speed



21-11-2025

	ELECTRICAL PARAMETERS																
U	CONN.	f	ŀ	•	Duty	1	n	Т	TL/T	TB/T	IL/I	Effici	ency at loa	d [%]	Power	factor at l	oad [-]
V	-	Hz	kW	HP	-	Α	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	0.18	0.24	S1	0.8	690	2.5	1.5	1.9	2.5	-	-	55.0	-	-	0.46
400	Y	50	0.75	1.0	S1	2.0	2750	2.61	1.5	1.6	3.0	-	-	61.0	-	-	0.90

GENERAL DATA					
Efficiency class	-	Sound pressure level [dB]	-		
Frame size	90	Sound power level [dB]	-		
Number of poles	8 2	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]	11	Feet - material	aluminium		
Moment of inertia [kgm2]	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]	up to +40	Altitude above sea level [m]	up to 1000		
Relative humidity [%]	up to 95				

ACCESSORY				
Number of terminals or cables	6			

STANDARDS	
IEC 60034-1	

CERTIFICATES
on demand

