



## MOTOR DATA SHEET

Motor type: **Sh90-4\_2S**

Series: **MULTI SPEED**

24  
68  
POLES  
MULTI  
SPEED

23-02-2026

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
400	Δ	50	0.8	1.06	S1	2.2	1370	5.58	1.7	1.6	2.8	-	-	70.0	-	-	0.80
400	YY	50	1.1	1.5	S1	2.7	2780	3.78	2.1	2	3.4	-	-	68.0	-	-	0.80

## GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	-
Frame size	90	Sound power level [dB]	-
Number of poles	4 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]	11.8	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]	up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

## ACCESSORY

Number of terminals or cables	6	
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## STANDARDS

IEC 60034-1

## CERTIFICATES

on demand