



MOTOR DATA SHEET

Motor type: **Sg100L-8_2**

Series: **MULTI SPEED**

03-02-2026

24
68
POLES
MULTI
SPEED

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	Y	50	0.5	0.7	S1	2.2	715	6.68	1.4	2.1	3.1	42	53.8	55.6	0.37	0.48	0.59
400	Y	50	2.2	2.9	S1	5.4	2910	7.22	2.1	2.4	5.9	73.8	74.4	75.8	0.56	0.68	0.77

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	68 68
Frame size	100	Sound power level [dB]	78 78
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	62062Z
Frequency converter supply	on demand	Bearing on ND-side	62062Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	26	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0065	Bearing shields - material	aluminium
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP 55	Climatic execution	N

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	Temperature sensors in bearings	on demand
Cable glands/inlets	1	Winding heaters	on demand
Temperature sensors in winding	on demand	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand