



MOTOR DATA SHEET

Motor type: **Sg180L-8_6**

Series: **MULTI SPEED**

24
68
POLES
MULTI
SPEED

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
400	Y	50	8.0	10.7	S1	17.8	730	104.66	1.8	1.6	4.3	82.8	83.7	82.3	0.62	0.74	0.79
400	Y	50	11	15	S1	22.6	980	107.19	1.9	2.0	5.3	84.6	85.9	85.7	0.66	0.77	0.82

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	65 65
Frame size	180	Sound power level [dB]	68 69
Number of poles	8 6	Terminal box position	top
Starting method	DOL / DOL	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63112Z
Frequency converter supply	on demand	Bearing on ND-side	63112Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	on demand
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	165	Feet - material	cast iron
Moment of inertia [kgm ²]	0.22	Bearing shields - material	cast iron
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