

MOTOR DATA SHEET

Motor type: **Sg180L-6_4**

Series: **MULTI SPEED**



04-12-2025

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Y	50	8.5	11.40	S1	18.2	985	82.41	2.6	2.8	6.8	80.1	83.5	84.2	0.60	0.73	0.80
400	Y	50	13	17.5	S1	24.7	1470	84.46	2.2	2.3	6.5	82.5	85.1	85.4	0.79	0.86	0.89

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	65 65
Frame size	180	Sound power level [dB]	70 77
Number of poles	6 4	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]	0.19	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