MOTOR DATA SHEET

Motor type: **Sg180L-8_6_4**

Series: **Multi speed**

23-04-2024

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	N	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	6.0	8.1	S1	16.2	740	77.43	2.8	2.8	5.8	74.3	79.1	81.0	0.45	0.57	0.66
400	Y	50	7.3	9.7	S1	16.9	985	70.78	2.0	2.5	6.0	75.2	79.5	81.0	0.56	0.69	0.77
400	YY	50	10.5	14.3	S1	19.9	1470	68.21	2.0	2.4	7.0	81.8	84.3	84.5	0.79	0.87	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	65|64|70
Frame size	180	Sound power level [dB]	64|68|68
Number of poles	8|6|4	Terminal box position	top
Starting method	DOL / 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 [kg]	165	Feet - material	cast iron
Moment of inertia [kgm2]	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

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