CANTONI MOTOR

MOTOR DATA SHEET

Motor type: **Sg180M-2**

Series: **IE1**

17-04-2024

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	22	30	S1	39.8	2920	71.95	2.5	2.5	6.0	89.5	90.8	90.6	0.80	0.86	0.88
690	Y	50	22	30	S1	23.1	2920	71.95	2.5	2.5	6.0	89.5	90.8	90.6	0.80	0.86	0.88

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	77
Frame size	180	Sound power level [dB]	88
Number of poles	2	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63112Z
Frequency converter supply	yes	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 [kgm2]	0.076	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	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

Cantoni GROUP