CANTONI MOTOR



MOTOR DATA SHEET

Motor type: **3SIE280M2D**

Series: **IE3**

28-03-2024

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	132	175	S1	217	2977	423	2.0	2.7	7.3	95.8	95.9	95.6	0.88	0.91	0.92
690	Y	50	132	175	S1	126	2977	423	2.0	2.7	7.3	95.8	95.9	95.6	0.88	0.91	0.92

GENERAL DATA

Efficiency class	IE3	Sound pressure level [dB]	82
Frame size	280	Sound power level [dB]	92
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	6315C3
Frequency converter supply	on demand	Bearing on ND-side	6315C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	864	Feet - material	cast iron
Moment of inertia [kgm2]	1.28	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	2 + 1	Winding heaters	on demand
Temperature sensors in winding	3 x PTC	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand

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