CANTONI MOTORI ELETTRICI

MOTOR DATA SHEET

Motor type: **(E)cSg(b)225M2-EP**

Series: **FLAMEPROOF IE1**

12-01-2026

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	45	60	S1	77	2968	145	2.4	2.5	7	93.8	94.6	94.5	0.82	0.87	0.89

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	79
Frame size	225	Sound power level [dB]	89
Number of poles	2	Terminal box position	top
Starting method	DOL	Possibility of terminal box rotation	no
Insulation class	F	Bearing on D-side	NU313
Frequency converter supply	on request - execution (-f)	Bearing on ND-side	6313C3
Mounting arrangement	IMB3/B5/B35	Bearings regreasing	yes
Cooling method	IC411	Housing - material	cast iron
Weight (IMB3) [kg]	375	Feet - material	cast iron
Moment of inertia [kgm2]	0.26	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	Climatic execution	N

ENVIRONMENTAL CONDITIONS

Ambient temperature [°C]	from -20 up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 100		

ACCESSORY

Number of terminals or cables	3	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, IEC 60079-0, IEC 60079-1, IEC 60079-7

CERTIFICATES

ATEX, EAC, BiH

ADDITIONAL INFO

Ex marking	II 2G Ex db eb IIC T5 Gb / II 2G Ex db eb IIB+H2 T5 Gb / II 2G Ex db IIB T5 Gb		

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