BRONZONI MOTORI ELETTRICI srl

TECHNICAL DATA

1–PHASE INDUCTION MOTORS type: C2001A1100

STANDARDS

Rating and performance	IEC 60349–2
Methods for determining loses and efficency	IEC 60349–2
Classification of degrees of protection (IP code)	IEC 60349–2
Methods of cooling (IC code)	IEC 60034–6
Classification of type of construction and mounting arrangement (IM code)	IEC 60034–7
Terminal markings and direction of rotation	IEC 60034–8
Noise limits	IEC 60349–2
Starting performance of rotating eletrical machines	IEC 60034–12
Mechanical vibration	IEC 60349–2
Standard voltage	IEC 60038
Dimensions and output ratings for rotating eletrical machines	IEC 60072–2

RATING – NOMINALS

Motor code	C2001A1100	Voltage (V)	230
Serial no.	---------	Rated current (A)	3
Motor type	3403	Power factor (Cos φ)	0,90
Rated output (kW)	0.37	Efficency (η %)	58.9
Frame	71	Insulation class	F
Poles	2	Phase	1
Frequency (Hz)	50	Rating duty	S1
Rated speed (min^{-1})	2900	Capacitor mF	16

CHARACTERISTICS

Full load torque (Nm)	1.3	Noise level (Lpa) (dBA)	---
Break down torque (p.u)	1,4	Vibration grades	G 1,8
Loked rotor torque (p.u)	1,52	Thermal protections	---
Starting current (p.u)	2,5	Anticondensation heater	----
No–load current (A)	1,7	Special winding treatment	In a vacuum
Phase resistence T 20 ° C(Ω)	18,98/9,06	Bearing drive end	6203–ZZ
Temperature rise	F	Bearing no drive end	6203–ZZ
Protection degree	IP65	Grease	NSK–ENS
Seal ring		Finishing paint	Blue RAL 5010
Moment of inertia J($kgxm^2$)	0,00132	Bolts and screws – Steel	Zincked
Weights (Kg)	6,9	Gasket	Gum
Mountings and positions	IM3001 (B5)	Frame material	Aluminium
Rotation direction drive end	R	Shields material	Aluminium

PERFORMANCES (V230 Hz 50)

% of Rated Load	25%	50%	75%	100%	125%	150%
Rated output (kW)	0.09	0.18	0.27	0.37	0.46	0.55
Full load torque (Nm)	0.32	0.65	0.97	1.3	1.55	1.95
Power factor (Cos φ)	0.71	0.80	0,86	0.63	0.96	0.96
Efficiency (%)	23	41.6	50.8	59	65.3	68
Speed (min^{-1})	2960	2930	2910	2930	2830	2780
Current (A)	2	2.2	2.45	3	3.12	3.75

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NOTES:

RAMISETO, 26–05–2017