

Datasheet Sh 71-2A B3

General data

Article no.:	1107A002025H0
3-Phase motor type:	Sh 71-2A B3
Output:	0,37 kW
Manufacturer:	Cantoni Motor
Frame size:	71
Number of poles:	2
Efficiency class:	IE1 Standard Efficiency
Flange/feet:	Feet
Mounting:	B3 (IM 1001) or derivatives
Isolation class:	F (155°C) temperature rise-class B (80K)
Duty type:	S1 (continuous)
Ambient temperature:	-20 to +40°C
Altitude:	≤ 1000 m.a.s.l.
Service factor:	1
Cooling method:	IC411 (TEFC)
Protection:	IP55
Tropicalisation:	No
Motor weight:	5 kg

Electrical data (calculated values)

Rated Voltage (U_N):	230	400	V
Rated frequency (F_N):	50	50	Hz
Connection:	Δ	Y	
Rated output:	0,37	0,37	kW
Rated speed:	2800	2800	rpm
Efficiency:	71,0	71,0	%
Power factor:	0,77	0,77	
Rated current:	1,7	1,0	A
Starting current:	7,6	4,4	A
Factor starting current:	4,4	4,4	
Nominal torque:	1,26	1,26	Nm
Starting torque:	2,8	2,8	Nm
Factor starting torque:	2,2	2,2	
Breakdown torque:	2,8	2,8	Nm
Factor breakdown torque:	2,2	2,2	

Load characteristics

Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			67,0	69,0	71,0		%
Efficiency at 60Hz:							%

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Mechanical data

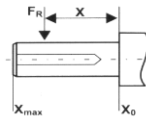
Moment of inertia:	0,000389 kgm ²	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level:	60 dB(A)	Frame material:	Aluminium
Bearing DE:	6203 2Z	Shields material:	Aluminium
Bearing NDE:	6203 2Z	Feet material:	Aluminium - screwed
Bearing system:	Service life lubrication	Terminal box position:	Top
Bearing fixation:	Drive-End	Cable glands size:	M20 (1x)
Balancing vibration class:	A (half-key)	Cable glands direction:	To right
Direction of rotation:	CW or CCW		

Shaft

Shaft dimensions:	Ø14 x 30 mm
Key dimensions:	5 x 5 x 25 mm
Thread of center hole:	M5

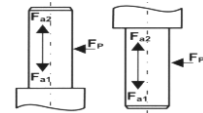
Horizontal operation:

$F_R (X=0)$	0,29 kN
$F_R (X=\max)$	0,24 kN



Vertical operation:

F_p	0,07 kN
F_{a1}	0,05 kN
F_{a2}	0,09 kN



Standards

Rating and performance:	IEC 60034-1
Methods for determining losses and efficiency:	IEC 60034-2-1
Classification of degrees of protection:	IEC 60034-5
Methods of cooling:	IEC 60034-6
Symbols of construction and mounting arrangements:	IEC 60034-7
Terminal markings and direction of rotation:	IEC 60034-8
Noise limits:	IEC 60034-9
Dimensions and output of electric machines:	IEC 60072-1
Vibration limits:	IEC 60034-14

Special remarks