

Datasheet Sh 56-2B B3

General data	
Article no.:	1105B002025H0
3-Phase motor type:	Sh 56-2B B3
Output:	0,12 kW
Manufacturer:	Cantoni Motor
Frame size:	56
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:	3,2 kg

Electrical data (calculated values)			
Rated Voltage (U_N):	230	400	V
Rated frequency (F_N):	50	50	Hz
Connection:	Δ	Y	
Rated output:	0,12	0,12	kW
Rated speed:	2800	2800	rpm
Efficiency:	65,0	65,0	%
Power factor:	0,70	0,70	
Rated current:	0,7	0,4	A
Starting current:	2,1	1,2	A
Factor starting current:	3,0	3,0	
Nominal torque:	0,41	0,41	Nm
Starting torque:	0,8	0,8	Nm
Factor starting torque:	2,0	2,0	
Breakdown torque:	0,8	0,8	Nm
Factor breakdown torque:	2,0	2,0	

Load characteristics							
Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			50,0	58,0	65,0		%
Efficiency at 60Hz:							%

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Mechanical data

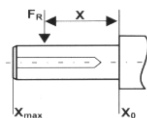
Moment of inertia:	0,000095 kgm ²	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level:	According IEC 60034-9	Frame material:	Aluminium
Bearing DE:	6201 2Z	Shields material:	Aluminium
Bearing NDE:	6201 2Z	Feet material:	Aluminium - screwed
Bearing system:	Service life lubrication	Terminal box position:	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:	Ø9 x 20 mm
Key dimensions:	3 x 3 x 16 mm
Thread of center hole:	M3

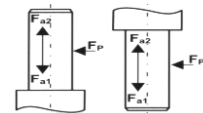
Horizontal operation:

$F_R (X=0)$	0,2 kN
$F_R (X=\max)$	0,16 kN



Vertical operation:

F_p	0,04 kN
F_{a1}	0,03 kN
F_{a2}	0,05 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