

Datasheet STLH 56XC-4 B3/B14A

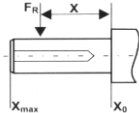
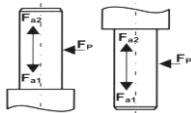
General data	
Article no.:	1310LB04435IE2
3-Phase motor type:	STLH 56XC-4 B3/B14A
Output:	0,12 kW
Manufacturer:	Cantoni Motor
Frame size:	56
Number of poles:	4
Efficiency class:	IE1 Standard Efficiency
Flange/feet:	Feet and B14A flange
Mounting:	B34 (IM 2101) or derivatives
Isolation class:	F (155°C) 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:	3,3 kg

Electrical data			
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:	1400	1400	rpm
Efficiency:	52,0	52,0	%
Power factor:	0,55	0,55	
Rated current:	1,2	0,7	A
Starting current:	2,6	1,5	A
Factor starting current:	2,2	2,2	
Nominal torque:	0,82	0,82	Nm
Starting torque:	1,8	1,8	Nm
Factor starting torque:	2,2	2,2	
Breakdown torque:	2,0	2,0	Nm
Factor breakdown torque:	2,4	2,4	
Calculated values			

Load characteristics							
Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:					52,0		%
Efficiency at 60Hz:							%

Datasheet STLH 56XC-4 B3/B14A

Mechanical data				
Moment of inertia:	0,0003	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
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:				
Thread of center hole:	M3			
Horizontal operation:			Vertical operation:	
$F_R (X=0)$	0,25 kN		F_p	0,05 kN
$F_R (X=max)$	0,2 kN		F_{a1}	0,04 kN
			F_{a2}	0,06 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