

Datasheet SKh 71-2B B5

General data	
Article no.:	1107b002425h0
3-Phase motor type:	SKh 71-2B B5
Output:	0,55 kW
Manufacturer:	Cantoni Motor
Frame size:	71
Number of poles:	2
Efficiency class:	IE1 Standard Efficiency
Flange/feet:	B5 flange
Mounting:	B5 (IM 3001) 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:	6 kg

Electrical data (calculated values)			
Rated Voltage (U_N):	230	400	V
Rated frequency (F_N):	50	50	Hz
Connection:	Δ	Y	
Rated output:	0,55	0,55	kW
Rated speed:	2790	2790	rpm
Efficiency:	75,0	75,0	%
Power factor:	0,82	0,82	
Rated current:	2,4	1,4	A
Starting current:	9,4	5,4	A
Factor starting current:	4,0	4,0	
Nominal torque:	1,88	1,88	Nm
Starting torque:	3,8	3,8	Nm
Factor starting torque:	2,0	2,0	
Breakdown torque:	4,0	4,0	Nm
Factor breakdown torque:	2,1	2,1	

Load characteristics							
Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			69,0	72,0	75,0		%
Efficiency at 60Hz:							%

Datasheet SKh 71-2B B5

Mechanical data

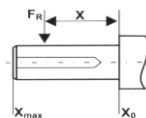
Moment of inertia:	0,000484 kgm ²	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level:	60 dB(A)	Frame material:	Aluminium
Bearing DE:	6203 2Z	Shields material:	Aluminium
Bearing NDE:	6203 2Z	Feet material:	
Bearing system:	Service life lubrication	Terminal box position:	
Bearing fixation:	Drive-End	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

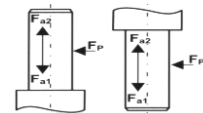
Horizontal operation:

$F_R (X=0)$	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

Datasheet SKh 71-2B B5
