

## 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 ( $U_N$ ):	<b>230</b>	<b>400</b>	V
Rated frequency ( $F_N$ ):	<b>50</b>	<b>50</b>	Hz
Connection:	$\Delta$	Y	
Rated output:	<b>0,55</b>	<b>0,55</b>	kW
Rated speed:	<b>2790</b>	<b>2790</b>	rpm
Efficiency:	<b>75,0</b>	<b>75,0</b>	%
Power factor:	<b>0,82</b>	<b>0,82</b>	
Rated current:	<b>2,4</b>	<b>1,4</b>	A
Starting current:	<b>9,4</b>	<b>5,4</b>	A
Factor starting current:	<b>4,0</b>	<b>4,0</b>	
Nominal torque:	<b>1,88</b>	<b>1,88</b>	Nm
Starting torque:	<b>3,8</b>	<b>3,8</b>	Nm
Factor starting torque:	<b>2,0</b>	<b>2,0</b>	
Breakdown torque:	<b>4,0</b>	<b>4,0</b>	Nm
Factor breakdown torque:	<b>2,1</b>	<b>2,1</b>	

### Load characteristics

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

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## Mechanical data

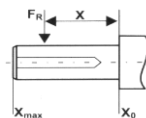
Moment of inertia:	0,000484 kgm <sup>2</sup>	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level:	60 dB(A)	Frame material:	Aluminium
Bearing DE:	6203 2Z	Shields material:	Aluminium
Bearing NDE:	6203 2Z	Feet material:	
Bearing system:	Service life lubrication	Terminal box position:	
Bearing fixation: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

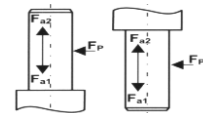
### Horizontal operation:

$F_R (X=0)$	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