

Datasheet 3SIEK 90L6 B5

General data

Article no.:	1309L006425IE3
3-fase motor type:	3SIEK 90L6 B5
Output:	1,1 kW
Manufacturer:	Cantoni Motor
Frame size:	90
Number of poles:	6
Efficiency class:	IE3 Premium Efficiëntie
Flange/feet:	B5 flens
Mounting:	B5 (IM 3001) of afgeleiden
Isolation class:	F (155°C) temperatuurstijging-klasse B (max. 80K)
Duty type:	S1 (continu bedrijf)
Ambient temperature:	-20 to +40°C
Altitude:	≤ 1000m boven zeeniveau
Service factor:	1
Cooling method:	IC411 (TEFC)
Protection:	IP55
Tropicalisation:	Nee
Motor weight:	19 kg

Electrical data (calculated values)

Rated Voltage (UN):	230	400	V
Rated frequency (FN):	50	50	Hz
Connection:	Δ	Y	
Rated output:	1,1	1,1	kW
Rated speed:	950	950	rpm
Efficiency:	81	81	%
Power factor:	0,73	0,73	
Rated current:	4,7	2,7	A
Starting current:	25,8	14,8	A
Factor starting current:	5,5	5,5	
Nominal torque:	11,1	11,1	Nm
Starting torque:	26,6	26,6	Nm
Factor starting torque:	2,4	2,4	
Breakdown torque:	30,0	30,0	Nm
Factor breakdown torque:	2,7	2,7	

Load characteristics

Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			78,2	81,3	81		

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Mechanical data

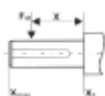
Moment of inertia (J):	0,009 kgm ²	Painting:	RAL 5010 (Gentiaanblauw)
Sound pressure level @50Hz:	51 dB(A)	Frame material:	Aluminium
Bearing DE:	6205 2Z C3	Shields material:	Gietijzer
Bearing NDE:	6205 2Z C3	Feet material:	
Bearing system:	Gesloten lagersmering	Terminal box position:	
Bearing fixation:	Aandrijfzijde	Cable glands size:	M25 (1x), M20 (1x)
Balancing vibration class:	A (halve spie)	Cable glands direction:	Naar rechts
Direction of rotation:			

Shaft

Shaft dimensions:	Ø24 x 50 mm
Key dimensions:	8 x 7 x 40 mm
Thread of center hole:	M8

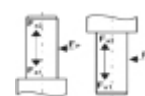
Horizontal operation:

FR (X=0)	1,15 kN
FR (X=max)	0,95 kN



Vertical operation:

Fp	0,9 kN
Fa1	0,77 kN
Fa2	1,17 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

Inclusief PTC 140°C