

Datasheet 3SIE 200L4 B3

General data

Article no.:	1420L004035IE3B
3-phase motor type:	3SIE 200L4 B3
Output:	30 kW
Manufacturer:	Cantoni Motor
Frame size:	200
Number of poles:	4
Efficiency class:	IE3 Premium Efficiency
Flange/feet:	Feet
Mounting:	B3 (IM 1001) or derivatives
Isolation class:	F (155°C) temperature rise-class B (max. 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:	329 kg

Electrical data (calculated values)

Rated Voltage (UN):	400	690	V
Rated frequency (FN):	50	50	Hz
Connection:	Δ	Y	
Rated output:	30	30	kW
Rated speed:	1477	1477	rpm
Efficiency:	93,8	93,8	%
Power factor:	0,89	0,89	
Rated current:	52	30	A
Starting current:	332,8	192	A
Factor starting current:	6,4	6,4	
Nominal torque:	194	194	Nm
Starting torque:	407,4	407,4	Nm
Factor starting torque:	2,1	2,1	
Breakdown torque:	504,4	504,4	Nm
Factor breakdown torque:	2,6	2,6	

Load characteristics

Load:	0	25	50	75	100	125	%
Efficiency at 50Hz:			94,2	94,3	93,8		

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Mechanical data

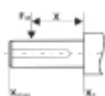
Moment of inertia (J):	0,38 kgm ²	Painting:	RAL 5010 (Gentian Blue)
Sound pressure level @50Hz:	70 dB(A)	Frame material:	Cast iron
Bearing DE:	6312 C3	Shields material:	Cast iron
Bearing NDE:	6312 C3	Feet material:	
Bearing system:	Regreaseable	Terminal box position:	Top
Bearing fixation:	Drive-End	Cable glands size:	M50 (2x), M16 (1x)
Balancing vibration class:	A (half-key)	Cable glands direction:	To right
Direction of rotation:			

Shaft

Shaft dimensions:	Ø55 x 110 mm
Key dimensions:	16 x 10 x 100 mm
Thread of center hole:	M20

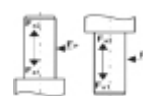
Horizontal operation:

FR (X=0)	3,61 kN
FR (X=max)	3,03 kN



Vertical operation:

Fp	2,81 kN
Fa1	2,12 kN
Fa2	3,7 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

Inclusive PTC