

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV1184B

- 180 L - IM B3 - 4p

Motor Code 19018

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
380	Δ	51.2	22.00	-/-	44.00	1500	140.1	89.9	-/-	-/-	0.85	-/-	-/-	-/-	-/-	3.1	-/-
660	Y	51.2	22.00	-/-	25.50	1500	140.1	89.9	-/-	-/-	0.85	-/-	-/-	-/-	-/-	3.1	-/-
IM B3 / IM 1001		FS 180 L		170 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN				n _{max} 4200 1/min			

Environmental conditions : -20 °C - +40 °C / 1,000 m

These values are calculated. The final rating plate data will be calculated when the order is placed
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 85 dB(A) ²⁾	- / - dB(A) ²⁾	Insulation	155(F) to 155(F)
Moment of inertia	0.1300 kg m ²		Duty type	S9
Bearing DE NDE	6210 ZC3	6210 ZC3	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	40000 h		Frame material	cast iron
Lubricants	Esso Unirex N3		Data of anti condensation heating	230 V, 50 W
Regreasing device	No		Coating (paint finish)	Special paint finish, resistant to salt-laden air C4
Grease nipple	-/-		Color, paint shade	
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping
Condensate drainage holes	Yes (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			
Vibration severity grade	A			

Converter data

Feeding	SINAMICS with uncontrolled supply
Recommended converter	-/-

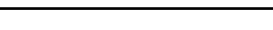
Terminal box

Terminal box position	top	Max. cross-sectional area	16.0 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	19.0 mm - 28.0 mm
Type of terminal box	TB1 J01	Cable entry	2xM40x1,5-1xM16x1,5
Contact screw thread	M5	Cable gland	3 plugs -/-

Notes:

I _A /I _N = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M _K /M _N = locked rotor torque / torque nominal	2) at rated power / at full load	
M _B /M _N = break down torque / nominal torque		

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.
DI MC LVM		DT Configurator		

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		01	2021-04-23 15:54	en	1/3

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	Q02	Anti-condensation heating for 230 V (2 terminals)
F74	Sheet steel fan cowl	S03	Special paint finish in sea air resistant C4

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