

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



Motor type : 1CV1204A

SIMOTICS SD (VSD) - 200 L - IM B3 - 2p

Motor Code 17073

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

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	η			cosφ			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	
220	Δ	50.9	30.00	-/-	104.00	3000	95.5	90.7	-/-	-/-	0.84	-/-	-/-	-/-	-/-	2.7	-/-
380	Y	50.9	30.00	-/-	60.00	3000	95.5	90.7	-/-	-/-	0.84	-/-	-/-	-/-	-/-	2.7	-/-
440	Y	60.9	33.50	-/-	58.00	3600	88.9	91.5	-/-	-/-	0.84	-/-	-/-	-/-	-/-	2.8	-/-
IM B3 / IM 1001			FS 200 L	191 kg	IP55	IEC/EN 60034		IEC, DIN, ISO, VDE, EN			n _{max} 4500 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	78 / 91 dB(A) ^{2) 3)}	78 / 91 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1240 kg m ²		Insulation	155(F) to 155(F)
Bearing DE NDE	6212 ZC3	6212 ZC3	Duty type	S9
Relubrication interval/quantity DE NDE	40000 h		Direction of rotation	bidirectional
Lubricants	Esso Unirex N3		Frame material	cast iron
Regreasing device	No		Date of anti condensation heating	230 V, 50 W
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Yes (standard)		Motor protection	(K) 1 Pt1000 resistance thermometer (2 terminals)
External earthing terminal	No		Method of cooling	IC416 - separately ventilated, surface cooled

Converter data

Feeding	SINAMICS with uncontrolled supply	Recommended converter	-/-
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Terminal box

Terminal box position	top	Max. cross-sectional area	25 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M6	Cable gland	4 plugs -/-

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/M_N = break down torque / nominal torque
1) L_{10mh} according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Value is valid only for DOL operation with motor design IC411

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents		
IN LVM		SPC						
	document type	datasheet			document status			
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Special design

F70

Mounting of separately driven fan

Q02

Anti-condensation heating for 230 V (2 terminals)

Notes:

I_L/I_N = locked rotor current / current nominal
 M_L/M_N = locked rotor torque / torque nominal
 M_B/M_N = break down torque / nominal torque

1) $L_{10\text{min}}$ according to DIN ISO 281 10/2010

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