

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



Motor type : 1CV3205B

SIMOTICS XP - 200 L - IM V6 - 4p

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

Remarks

Electrical data II 3G Ex ec IIC T3 Gc
-/-

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	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	27.60	-/-	51.00	1470	179.3	93.8	94.2	94.2	0.83	0.78	0.68	7.9	2.8	3.4	IE3
690	Y	50	27.60	-/-	30.00	1470	179.3	93.8	94.2	94.2	0.83	0.78	0.68	7.9	2.8	3.4	IE3
460	Δ	60	31.74	-/-	51.00	1770	171.2	93.2	93.5	93.2	0.84	0.79	0.70	7.9	2.6	3.3	IE2
460	Δ	60	30.00	-/-	48.00	1778	161.0	94.1	94.3	93.8	0.83	0.78	0.68	8.1	3.0	3.5	IE3
IM V6 / IM 1031			FS 200 L				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +50 °C / 1,000 m									Locked rotor time (hot / cold) : 28.4 s 45 s								
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	65 / 72 dB(A) ^{2) 3)}	67 / 74 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.2400 kg m ²		Thermal class	F
Bearing DE NDE	6212 ZZ C3	6212 ZZ C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	240 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	35 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
Contact screw thread	M6		

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/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						
SIEMENS	document type	datasheet			document status			
					released			
	title	1MB1533-2AB53-4DA4-Z			document number			
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					951	2023-12-14	en	1/2

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Special design

N06	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced
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Notes:

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