

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



Motor type : 1CE3204A

SIMOTICS XP - 200 L - IM B3 - 2p

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

Remarks

II 2G Ex eb IIC T1-T3 Gb

-/-

Electrical data

Tc	U [V]	Δ / Y	f [Hz]	P [kW]	I [A]	n [1/min]	M [Nm]	t _e -time (s)			η ³⁾			cosφ ³⁾			I _A /I _N I _L /I _N	M _A /M _N T _r /T _N	M _K /M _N T _B /T _N	IE-CL
								T1/T2	T3		4/4	3/4	2/4	4/4	3/4	2/4				
T1/ T2																				
T3	400	Δ	50	20.00	38.00	2970	64.0	42	7	92.5	92.7	91.7	0.84	0.79	0.69	7.0	1.9	3.1	IE3	
	690	Y	50	20.00	22.00	2970	64.0	42	7	92.5	92.7	91.7	0.84	0.79	0.69	7.0	1.9	3.1	IE3	
IM B3 / IM 1001		FS 200 L			IP55		IEC/EN 60034													

Environmental conditions : -20 °C - +40 °C / 1000 m

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 80 dB(A) ^{2) 3)}	78 / 86 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1340 kg m ²		Thermal class	F
Bearing DE NDE	6212 2Z C3	6212 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	220 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	(B) 3 PTC thermistors - for tripping (2 terminals)
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 L21	Cable entry	2xM50x1,5-2xM20x1,5
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) L10mh 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. IN LVM	technical reference	created by SPC	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
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