

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



Motor type : 1CV2204C

SIMOTICS XP - 200 L - IM B3 - 6p

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

II 3G Ex ec IIC T3 Gc

-/-

Electrical data

U [V]	Δ/Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			cosφ ³⁾			I _A /I _N I _I /I _N	M _A /M _N T _I /T _N	M _K /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	18.50	-/-	36.00	978	181.0	90.4	91.3	91.2	0.82	0.78	0.68	5.8	2.4	2.6	IE2
Converter duty (S9) - 155(F) to 130(B)																	
49	Δ	5	.92		23	88	99.8				0.72	Type of converter Voltage source converter, general.					
205	Δ	25	7.5		30.5	484	148				0.80						
380	Δ	50	14		29.5	982	136				0.80						
380	Δ	100	9.9		20.5	1975	47.9				0.84						
IM B3 / IM 1001		FS 200 L			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN								
Environmental conditions : -20 °C - +40 °C / 1,000 m										Locked rotor time (hot / cold) : 18.9 s 32.1 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 76 dB(A) ^{2) 3)}	66 / 79 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.2500 kg m ²		Vibration severity grade	A
Bearing DE NDE	NU 212	6212 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad, min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	10 g 15 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	200 kg
Regreasing device	With		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	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	2xM50x1,5-2xM20x1,5
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) 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. IN LVM	technical reference	created by SPC	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.	Link documents
	document type datasheet	document status released			
	title 1MB1531-2AC49-0AB4-Z B43+L22+L23+M4B	document number			
© INNOMOTICS 2023	rev. 951	creation date 2023-12-14	language en		Page 1/2

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




Motor type : 1CV2204C

SIMOTICS XP - 200 L - IM B3 - 6p

Special design

B43	Version for converter operation with operating data on voltage-source DC link converter	L23	Regreasing system
L22	Bearing design for increased cantilever forces	M4B	400 VD for 50 Hz

Notes:

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
SIEMENS	document type datasheet	document status released			
	title 1MB1531-2AC49-0AB4-Z B43+L22+L23+M4B	document number			
© INNOMOTICS 2023	rev. 951	creation date 2023-12-14	language en	Page 2/2	