

SIMOTICS XP - 200 L - IM B3 - 2p

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

Remarks

II 3D Ex tc IIIB T 120°C Dc

Electrical data

-/-

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos \varphi^{3)}$			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)

[illegible]

Converter duty (S9) - 155(F) to 130(B)

49	Δ	5	2.05		41	270	72.5		0.85	Type of converter	Voltage source converter, general.
205	Δ	25	15.2		53	1,460	99.4		0.87		
380	Δ	50	28		52	2,960	90.3		0.88		
380	Δ	75	28		52	4440	60.2		0.96		

IM B3 / IM 1001	FS 200 L	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 28.3 s | 46.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	74 / 81 dB(A) ^{2) 3)}	79 / 86 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1580 kg m²		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)	250 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 mm²
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		

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) $L_{10\text{mh}}$ 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

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



Motor type : 1CV3205A

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Special design

B43	Version for converter operation with operating data on voltage-source DC link converter	M4B	400 VD for 50 Hz
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