

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



Motor type : 1AV2206D

SIMOTICS GP - 200 L - IM B3 - 8p

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

Remarks

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\varphi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_i/I_N	T_i/T_N	T_B/T_N	
400	Δ	50	18.50	-/-	38.50	720	245.0	88.6	89.9	90.2	0.78	0.72	0.60	5.8	2.6	3.0	IE2
690	Y	50	18.50	-/-	22.50	720	245.0	88.6	89.9	90.2	0.78	0.72	0.60	5.8	2.6	3.0	IE2
460	Δ	60	22.00	-/-	38.50	868	240.0	90.2	91.5	91.8	0.80	0.74	0.63	5.9	2.4	2.9	IE1
460	Δ	60	18.50	-/-	34.00	875	200.0	89.5	90.2	89.8	0.76	0.69	0.57	6.8	2.9	3.5	IE2

IM B3 / IM 1001		FS 200 L	198 kg	IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN		
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Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 18 s | 31.2 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	65.0 / 72.0 dB(A) ²⁾	66.0 / 73.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.4160 kg m ²		Vibration severity grade	A
Bearing DE NDE	6312 Z C3	6212 Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	aluminum
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	25.0 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	27.0 mm - 35.0 mm
Type of terminal box	TB1 L00	Cable entry	2xM50x1,5
Contact screw thread	M6	Cable gland	2 plugs

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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.
DI MC LVM		DT Configurator		

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Special design

L22 Bearing design for increased cantilever forces

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