

SIMOTICS GP - 100 L - IM B5 - 4p

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

Safe Area

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	
230	Δ	50	2.20	-/-	8.10	1455	14.4	84.3	85.1	84.2	0.81	0.74	0.62	6.9	2.1	3.3	IE2
400	Y	50	2.20	-/-	4.65	1455	14.4	84.3	85.1	84.2	0.81	0.74	0.62	6.9	2.1	3.3	IE2
460	Y	60	2.54	-/-	4.45	1755	13.9	87.5	87.9	87.3	0.82	0.79	0.65	7.3	2.1	3.3	IE2
460	Y	60	2.20	-/-	4.05	1760	11.9	87.5	88.3	87.4	0.78	0.74	0.63	8.1	2.5	3.9	IE2
IM B5 / IM 3001			FS 100 L		21 kg		IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Locked rotor time (hot / cold) : 11.5 s | 16.4 s

Sound level (SPL / SWL) at 50Hz 60Hz	60.0 / 72.0 dB(A) ²⁾	62.0 / 74.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0086 kg m²		Vibration severity grade	A
Bearing DE NDE	6206 2Z C3	6206 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	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	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	4.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 F00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

I_{lr}/I_{ln} = locked rotor current / current nominal M_{lr}/M_{ln} = locked rotor torque / torque nominal M_b/M_{ln} = 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
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responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV2104B

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Special design

F74 Sheet steel fan cowl

Notes:

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