

SIMOTICS GP - 100 L - IM B35 - 2p

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	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	2.46	-/-	4.85	2925	8.0	87.5	87.3	86.0	0.83	0.77	0.65	11.5	5.4	5.5	IE3
690	Y	50	2.46	-/-	2.80	2925	8.0	87.5	87.3	86.0	0.83	0.77	0.65	11.5	5.4	5.5	IE3
460	Δ	60	2.82	-/-	4.75	3520	7.7	88.5	88.0	86.0	0.84	0.78	0.66	12.2	4.9	5.8	IE3
460	Δ	60	2.91	-/-	4.90	3525	7.9	88.5	88.1	86.3	0.84	0.79	0.68	11.6	4.7	5.8	IE3
IM B35 / IM 2001			FS 100 L			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +60 °C / 1000 m									Locked rotor time (hot / cold) : 9 s 12.1 s								
These values are calculated. The final rating plate data will be calculated when the order is placed																	
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.																	

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 80 dB(A) ^{2) 3)}	75 / 83 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0041 kg m ²		Thermal class	F
Bearing DE NDE	6306 2Z C3	6206 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	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	25 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	left	Max. cross-sectional area	4 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

I_{r}/I_{n} = locked rotor current / current nominal	1) $L_{10\text{th}}$ according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_r/M_n = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_n = break down torque / nominal torque		

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
SIEMENS	Document type Technical data sheet			Document status Released			
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Restricted © Innomotics 2024	L22+N08+Q36			Revision AA	Creation date 2024-07-09	Language en	Page 1/2

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



Motor type : 1AV3104A

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Special design

L22	Bearing design for increased cantilever forces	Q36	2 Pt1000 resistance thermometers (4 terminals)
N08	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 60°C, power reduced		

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