

SIMOTICS GP - 132 M - IM V1 - 6p

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

Remarks

Safe Area

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	
380	Δ	50	5.50	-/-	13.20	975	54.0	88.0	88.1	86.9	0.72	0.65	0.53	6.8	2.7	3.4	IE3
660	Y	50	5.50	-/-	7.60	975	54.0	88.0	88.1	86.9	0.72	0.65	0.53	6.8	2.7	3.4	IE3
440	Δ	60	6.30	-/-	12.70	1175	51.0	89.5	89.6	88.4	0.73	0.67	0.55	7.1	2.3	3.5	IE2
440	Δ	60	5.50	-/-	11.70	1180	44.5	89.5	89.2	87.4	0.69	0.62	0.50	7.8	3.0	4.0	IE2

IM V1 / IM 3011	FS 132 M	58 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) : 16.4 s | 22.1 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63.0 / 75.0 dB(A) ²⁾	67.0 / 79.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0500 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 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	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 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. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>
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	document type	document status		customer	
	datasheet	released			
	title	document number			
	1LE1003-1CC33-3GB4-Z				
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		01	2021-04-21 22:33	en	1/2

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



Motor type : 1AV3133C

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Special design

B02 Acceptance test certificate 3.1 acc. to EN 10204

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