

SIMOTICS GP - 132 M - IM B3 - 2p

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

Remarks

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 155(F)																	
415	Δ	50	11.00	-/-	18.90	2940	35.5	91.2	92.1	92.3	0.89	0.85	0.76	9.8	2.8	4.1	IE3
480	Δ	60	12.60	-/-	18.50	3540	34.0	91.0	91.7	91.5	0.90	0.86	0.78	10.4	2.8	4.3	IE3
480	Δ	60	11.00	-/-	16.50	3550	29.5	91.0	91.3	90.8	0.88	0.84	0.74	11.7	3.2	4.9	IE3
IM B3 / IM 1001		SF: 1.15	FS 132 M				IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 5.7 s 9.5 s								

Sound level (SPL / SWL) at 50Hz 60Hz	68 / 80 dB(A) ^{2) 3)}	72 / 84 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0230 kg m ²		Thermal class	F
Bearing DE NDE	6308 2Z C3	6208 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
$L_{10\text{mh}}, F_{\text{Rad min}}$ for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Regreasing device	No		Net weight of the motor (IM B3)	55 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Yes		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Yes		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	6 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 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	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
SIEMENS	document type datasheet			document status released			
	title 1LE1003-1CA63-5AB4-Z			document number			
© Siemens AG 2023	H03+H04+L22+M10+N01			rev. 929	creation date 2023-01-18	language en	Page 1/2

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



Motor type : 1AV3136A

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Special design

H03	Condensation drain holes in end shield	M10	Additional rating plate, loose
H04	External grounding at housing	N01	Temperature class 155 (F), utilised to 155 (F), with service factor (SF)
L22	Bearing design for increased cantilever forces		

Notes:

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			Page 2/2		