

SIMOTICS GP - 160 M - IM B3 - 2p

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

Remarks

Safe Area

U	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
[V]								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)																	
380	Δ	50	11.00	-/-	21.00	2955	35.5	91.2	91.3	90.2	0.87	0.84	0.76	7.6	2.5	3.8	IE3
440	Δ	60	12.60	-/-	20.50	3555	34.0	91.0	90.8	89.3	0.89	0.86	0.79	7.6	2.4	3.7	IE3
440	Δ	60	11.00	15.00	18.30	3560	29.5	91.0	90.4	88.3	0.88	0.84	0.76	8.5	2.8	4.3	MG1
IM B3 / IM 1001			FS 160 M			IP55	CC032A	IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12				kVA Code: L			
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 25.3 s 33.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	70 / 82 dB(A) ²⁾	77 / 89 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0530 kg m²		Thermal class	F
Bearing DE NDE	6209 2Z C3	6209 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
Lubricants	Unirex N3		Net weight of the motor (IM B3)	75 kg
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	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box position	top	Max. cross-sectional area	16 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	19 mm - 28 mm
Type of terminal box	TB1 J00	Cable entry	2xM40x1,5
Contact screw thread	M5	Cable gland	2 plugs

Notes:

I_r/I_n = locked rotor current / current nominal	1) L10mh 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		

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1023-1DA23-3AA4-Z						
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3162A

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Special design

B02 Acceptance test certificate 3.1 acc. to EN 10204

Notes:

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