

SIMOTICS GP - 160 M - IM B5 - 6p

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

Safe Area

-/-

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N	M_A/M_N	M_K/M_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I_A/I_N	T_A/T_N	T_B/T_N	
DOL duty (S1) - 155(F) to 130(B)																	
415	Δ	50	6.90	-/-	13.50	985	66.9	89.2	89.3	88.0	0.79	0.73	0.61	8.6	2.5	3.5	IE3
480	Δ	60	7.91	-/-	13.00	1185	63.8	91.1	91.0	89.5	0.80	0.75	0.64	9.0	2.5	3.6	IE3
480	Δ	60	7.50	10.00	12.30	1185	60.0	91.0	90.8	89.4	0.80	0.74	0.63	9.3	2.7	3.7	MG1
IM B5 / IM 3001			FS 160 M		CC032A		IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: J		
Environmental conditions : -20 °C - +50 °C / 1000 m									Locked rotor time (hot / cold) : 19.9 s 25.4 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	67 / 79 dB(A) ^{2) 3)}	70 / 82 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1320 kg m²		Thermal class	F
Bearing DE NDE	6209 2Z C3	6209 2Z C3	Duty type	S1
bearing lifetime L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Regreasing device	Without		Frame material	aluminum
Grease nipple	-/-		Net weight of the motor (IM B3)	95 kg
Type of bearing	Locating bearing NDE		Coating (paint finish)	Standard paint finish C2
Condensate drainage holes	Without		Color, paint shade	RAL7030
External earthing terminal	Without		Motor protection	(A) without (Standard)
			Method of cooling	IC411 - self ventilated, surface cooled

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

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			
	Document title 1LE1023-1DC23-5FA4-Z			Document number TDS-240526-232217			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3162C

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Special design

N06 Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced

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