

SIMOTICS GP - 160 M - IM B3 - 4p

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

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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	
230	Δ	50	11.00	-/-	39.00	1460	72.0	87.6	87.9	86.7	0.81	0.74	0.61	6.9	2.7	3.3	IE1
400	Y	50	11.00	-/-	22.50	1460	72.0	87.6	87.9	86.7	0.81	0.74	0.61	6.9	2.7	3.3	IE1
460	Y	60	12.60	-/-	22.00	1760	68.0	88.5	88.7	87.6	0.82	0.76	0.64	7.3	2.5	3.4	IE1
IM B3 / IM 1001			FS 160 M		62 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 9.24 s | 17 s

Sound level (SPL / SWL) at 50Hz 60Hz	65.0 / 77.0 dB(A) ²⁾	69.0 / 81.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0440 kg m²		Vibration severity grade	A
Bearing DE NDE	6209 2Z C3	6209 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad, min} 50 60Hz ¹⁾ for coupling operation	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	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	16.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	19.0 mm - 28.0 mm
Type of terminal box	TB1 J00	Cable entry	2xM40x1,5
Contact screw thread	M5	Cable gland	2 plugs

I_{Lr}/I_{N_r} = locked rotor current / current nominal M_{Lr}/M_{N_r} = locked rotor torque / torque nominal M_b/M_{N_r} = 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
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responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
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	1LE1002-1DB22-2AA4-Z						
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV1162B

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Special design

D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
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Notes:

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