

SIMOTICS GP - 160 M - IM B8 - 8p

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 130(B)																	
220	Δ	60	4.55	-/-	18.70	880	49.5	86.5	87.5	87.3	0.74	0.70	0.59	4.9	1.6	2.1	IE3
380	Y	60	4.55	-/-	10.80	880	49.5	86.5	87.5	87.3	0.74	0.70	0.59	4.9	1.6	2.1	IE3
220	Δ	60	3.70	5.00	15.80	885	40.0	86.5	86.7	85.3	0.71	0.64	0.53	5.8	2.0	2.6	MG1
380	Y	60	3.70	5.00	9.20	885	40.0	86.5	86.7	85.3	0.71	0.64	0.53	5.8	2.0	2.6	MG1
IM B8 / IM 1071			FS 160 M		CC032A		IP55	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12			kVA Code:		
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 45.1 s 61.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	65 / 78 dB(A) ^{2) 3)}	66 / 79 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0760 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
Regreasing device	Without		Net weight of the motor (IM B3)	67 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	right	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_L/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_L/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. 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 	
	document type datasheet			document status released			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3162D

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Special design

D22 Motor without CE character for export outside the EEA (see EU regulation 2019/1781)

Notes:

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