

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	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)																	
400	Δ	50	15.00	-/-	27.50	2955	48.5	91.9	91.9	90.8	0.86	0.81	0.71	10.2	3.5	4.4	IE3
690	Y	50	15.00	-/-	15.90	2955	48.5	91.9	91.9	90.8	0.86	0.81	0.71	10.2	3.5	4.4	IE3
460	Δ	60	17.30	-/-	27.00	3550	46.5	91.7	91.4	90.2	0.88	0.84	0.75	10.1	3.3	4.5	IE3
460	Δ	60	15.00	-/-	24.00	3560	40.0	91.0	90.4	88.5	0.86	0.81	0.71	11.8	4.0	5.2	IE3
IM B3 / IM 1001			FS 160 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) : 13.3 s 18.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	77 / 85 dB(A) ^{2) 3)}	81 / 89 dB(A) ^{2) 3)}	External earthing terminal	Without
Moment of inertia	0.0430 kg m²		Vibration severity grade	A
Bearing DE NDE	6209 Z C3	6209 Z C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	10 g 10 g 8000 h		Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	78 kg
Regreasing device	With		Coating (paint finish)	Standard paint finish C2
Grease nipple	M8x1 DIN 71412		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	Without		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

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. IN LVM	technical reference	created by SPC	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 : 1AV3163A

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Special design

L23 Regreasing system

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