

SIMOTICS GP - 160 L - IM V5 - 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	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	
400	Δ	50	15.00	-/-	30.00	1460	98.0	88.7	89.0	87.8	0.82	0.76	0.63	7.5	3.0	3.6	IE1
690	Y	50	15.00	-/-	17.30	1460	98.0	88.7	89.0	87.8	0.82	0.76	0.63	7.5	3.0	3.6	IE1
460	Δ	60	17.30	-/-	28.50	1755	94.0	90.5	90.9	89.8	0.84	0.79	0.68	8.0	2.9	3.6	IE1
IM V5 / IM 1011			FS 160 L		73 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 6.88 s | 14 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	0.0560 kg m ²		Vibration severity grade	A
Bearing DE NDE	6309 2Z C3	6209 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad, min} for coupling operation 50 60Hz ¹⁾	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	1 gland, 1 plug

I_r/I_n = locked rotor current / current nominal M_r/M_n = locked rotor torque / torque nominal M_b/M_n = 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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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV1164B

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Special design

D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)	L22	Bearing design for increased cantilever forces
D47	TR CU product safety certificate EAC for the Eurasian Customs Union	R15	One metal cable gland
H00	Canopy		

Notes:

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