

SIMOTICS GP - 100 L - IM B3 - 6p

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)																	
460	Δ	60	1.10	-/-	2.30	1180	8.9	87.5	87.2	84.8	0.69	0.62	0.50	6.7	2.4	3.3	IE3
IM B3 / IM 1001			FS 100 L		IP55		UKCA	IEC/EN 60034			IEC, DIN, ISO, VDE, EN					KS C IEC60034-2-	

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 56.9 s | 64.7 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	59 / 71 dB(A) ^{2) 3)}	62 / 74 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0110 kg m²		Thermal class	F
Bearing DE NDE	6206 2Z C3	6206 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)	30 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	left	Max. cross-sectional area	4 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F10	Cable entry	Han-Drive 10e
Contact screw thread	M4	Cable gland	connector

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/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

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	
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3103C

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Special design

H02	Vibration-proof version	R10	Rotation of the terminal box through 90°, entry from DE
M2F	460 VD for 60 Hz, 50-Hz power	R70	Motor connector Han-Drive 10e for 230 VD/400 VY

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