

SIMOTICS GP - 160 M - 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	
440	Δ	60	8.60	-/-	17.50	1170	70.0	86.0	86.0	84.5	0.75	0.68	0.57	5.9	2.2	2.9	IE1
IM B3 / IM 1001			FS 160 M		72 kg		IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 14.7 s | 23.3 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	67.0 / 79.0 dB(A) ²⁾	70.0 / 82.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0560 kg m ²		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	(F) 1 temperature sensor KTY84-130 (2 terminals)
Condensate drainage holes	-/		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

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	2xM40x1,5-1xM16x1,5
Contact screw thread	M5	Cable gland	3 plugs

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. 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.			
	document type datasheet				document status released		customer	
	title 1LE1002-1DC29-0AF4-Z B02+D22+F01+F11+G04+M1D				document number			
	© Siemens AG 2021					rev. 01	creation date 2021-04-23 16:22	language en

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



Motor type : 1AV1162C

SIMOTICS GP - 160 M - IM B3 - 6p

Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	F11	Brake supply voltage, 230 V AC, 50/60 Hz
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)	G04	Mounted rotary pulse encoder LL 861 900 220
F01	Mounting a brake	M1D	440 VD for 60 Hz, 60-Hz power

Additional information:

Brake:

Description:	BFK458-20	Current:	.5 A
Voltage:	AC 230 V	Moment of inertia:	.0073 Nm

Notes:

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.			
	document type datasheet	document status released		customer			
	title 1LE1002-1DC29-0AF4-Z B02+D22+F01+F11+G04+M1D	document number					
© Siemens AG 2021	rev. 01		creation date 2021-04-23 16:22		language en	Page 2/2	