

SIMOTICS GP - 160 L - IM B5 - 4p

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	
400	Δ	50	15.00	-/-	29.00	1480	97.0	93.9	94.0	93.3	0.80	0.74	0.62	7.8	3.7	4.3	IE4
690	Y	50	15.00	-/-	16.70	1480	97.0	93.9	94.0	93.3	0.80	0.74	0.62	7.8	3.7	4.3	IE4
460	Δ	60	17.30	-/-	28.50	1780	93.0	94.5	94.6	94.0	0.81	0.76	0.64	7.9	3.4	4.2	IE4
460	Δ	60	15.00	-/-	25.50	1780	80.0	94.1	94.0	93.0	0.79	0.72	0.60	8.8	3.9	4.8	IE4
IM B5 / IM 3001			FS 160 L		109 kg		IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

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

Locked rotor time (hot / cold) : 33.1 s | 43.6 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63.0 / 76.0 dB(A) ²⁾	66.0 / 79.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0990 kg m ²		Vibration severity grade	A
Bearing DE NDE	6209 Z C3	6209 Z 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
Relubrication interval/quantity DE NDE	10 g	10 g 8000 h	Frame material	aluminum
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes		Color, paint shade	RAL7030
Grease nipple	M8x1 DIN 71412		Motor protection	(A) without (Standard)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	-/-			

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
Contact screw thread	M5	Cable gland	2 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.			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV4164B

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Special design

L23	Regreasing system
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				01	2021-04-25 23:31	en	2/2