

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



Motor type : 1AV2136C

SIMOTICS GP - 132 M - IM B3 - 6p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data

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	
230	Δ	50	7.50	-/-	29.00	970	74.0	87.2	88.1	87.1	0.75	0.68	0.55	5.6	2.0	2.6	IE2
400	Y	50	7.50	-/-	16.60	970	74.0	87.2	88.1	87.1	0.75	0.68	0.55	5.6	2.0	2.6	IE2
460	Y	60	8.60	-/-	16.10	1170	70.0	89.5	90.4	90.0	0.75	0.69	0.57	5.8	2.0	2.6	IE2
460	Y	60	7.50	-/-	14.60	1175	61.0	89.5	89.8	88.7	0.72	0.65	0.52	6.4	2.2	3.0	IE2
IM B3 / IM 1001		FS 132 M		64 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 14.3 s 27.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	69 / 73 dB(A) ²⁾	69 / 73 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0460 kg m ²		Insulation	155(F) to 130(B)
Bearing DE NDE	6208 2Z C3	6208 2Z C3 INS	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} , F _{Rad min} 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	64 kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	No		Method of cooling	IC416 - separately ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/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.	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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				01	2021-09-01 10:54	en	1/2

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Special design

F01	Mounting a brake	F70	Mounting of separately driven fan
F11	Brake supply voltage, 230 V AC, 50/60 Hz	L51	Bearing insulation NDE

Additional information:

Brake:

Description:	BFK458-16	Current:	.27 A
Voltage:	AC 230 V	Moment of inertia:	0.001500 kgm ²

Notes:

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