

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



Motor type : 1AV2062B

SIMOTICS XP - 63 M - IM B5 - 4p

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

Remarks

Electrical data

II 3G Ex ec IIC T3 Gc

II 3D Ex tc IIIB T120°C Dc

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)																	
400	Δ	50	0.12	-/-	0.44	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
690	Y	50	0.12	-/-	0.26	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
460	Δ	60	0.14	-/-	0.42	1685	0.8	64.0	61.4	54.8	0.66	0.57	0.46	3.5	2.4	2.7	IE2
460	Δ	60	0.12	-/-	0.39	1710	0.7	64.0	60.3	52.2	0.60	0.52	0.41	3.7	2.9	3.2	IE2
IM B5 / IM 3001		FS 63 M				IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 39.4 s 52.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	/ dB(A) ^{2) 3)}	/ dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0004 kg m ²		Thermal class	F
Bearing DE NDE	6201 2Z C3	6201 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)	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	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	4 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 B20	Cable entry	-/-
Contact screw thread	M4		

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) L_{10mh} 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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Special design

B30

Design additional for dust Ex tc – zone 22

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SIEMENS	document type datasheet			document status released			
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