

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



Motor type : 1AV2063A SIMOTICS XP - 63 M - IM B14 - 2p

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

Remarks

Electrical data II 3G Ex ec IIC T3 Gc
-/-

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)																	
230	Δ	50	0.25	-/-	1.20	2835	0.8	64.8	63.5	57.3	0.81	0.73	0.58	4.1	1.9	2.5	IE2
400	Y	50	0.25	-/-	0.69	2835	0.8	64.8	63.5	57.3	0.81	0.73	0.58	4.1	1.9	2.5	IE2
460	Y	60	0.29	-/-	0.66	3435	0.8	68.0	66.1	60.7	0.81	0.72	0.59	4.8	2.0	2.7	IE2
460	Y	60	0.25	-/-	0.61	3465	0.7	68.0	65.2	58.0	0.76	0.67	0.54	5.2	2.4	3.1	IE2
IM B14 / IM 3601		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) : 11 s 15.3 s								

Mechanical data																	
Sound level (SPL / SWL) at 50Hz 60Hz						/ dB(A) ^{2) 3)}			/ dB(A) ^{2) 3)}			Vibration severity grade					
Moment of inertia						0.0003 kg m ²						Thermal class					
Bearing DE NDE						6201 2Z C3			6201 2Z C3			Duty type					
bearing lifetime												Direction of rotation					
L _{10mh} F _{Rad min} for coupling operation						40000 h			32000 h			Frame material					
50 60Hz ¹⁾												aluminum					
Regreasing device						Without						Net weight of the motor (IM B3)					
Grease nipple						-/-						Coating (paint finish)					
Type of bearing						Preloaded bearing DE						Color, paint shade					
Condensate drainage holes						Without						Motor protection					
External earthing terminal						With (standard)						Method of cooling					
												IC411 - self ventilated, surface cooled					

Terminal box																	
Terminal box position						top						Max. cross-sectional area					
Material of terminal box						Aluminium						Cable diameter from ... to ...					
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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			Link documents	
IN LVM		SPC						
SIEMENS	document type			document status				
	datasheet			released				
	title			document number				
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