


ABB Motors and Generators		Technical Data Sheet - DOL			
		Project	Location		
Department/Author		Customer name	Customer ref.		Item name 1.00001
Our ref.		Rev/Changed by A	Date of issue 08/01/2012	Saving ident untitled.xls	Pages 1(3)
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GBP 071 321-ASB			
3	Type/Frame	M3BP 71 MA 2			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	0.37	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U _N	400	VY	± 5 % (IEC 60034-1)	
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)	
10	Rated speed n _N	2660	r/min		
11	Rated current I _N	0.96	A		
12	No-load current	0.48	A		
13	Starting current I _s /I _N	3.9		Fullfilled IEC 60034-12 design N,H	
14	Nominal torque T _N	1.33	Nm		
15	Locked rotor torque T _s /T _N	2.2			
16	Maximum torque T _{max} /T _N	2.3			
17	Minimum torque T _{min} /T _N	2			
18	Speed at minimum torque	300	r/min		
Load characteristics (IEC 60034-2-1:2007)		Load %	Current A	Efficiency %	Power factor
19	PLL determined from residual loss	100	0.96	69.2	0.8
20		75	0.74	73.5	0.73
21		50	0.6	73.7	0.6
22		Start	3.7		0.82
23	Maximum starting time from hot	20	s		
24	Maximum starting time from cold	36	s		
25	Insulation class / Temperature class	F / B			
26	Ambient temperature	40	°C		
27	Altitude	1000	m.a.s.l.		
28	Enclosure	IP55			
29	Cooling system	IC411 self ventilated			
30	Bearing DE/NDE	6203-2Z/C3 - 6202-2Z/C3			
31	Type of Grease				
32	Sound pressure level (LP dB(A) 1m)	58	dB(A)	at load	
33	Moment of inertia J = ¼ GD2	0.00039	kg-m2		
34	Balancing				
35	Vibration class				
36	Position of terminal box	Top			
37	Terminal box entries; no, dimens.				
38	Number of power terminals				
39	Direction of rotation	CW or CCW			
40	Weight of rotor	1	kg		
41	Total weight of motor	11	kg		
42	Dimension drawing no.				
43					
44					
45					
Ex-motors					
46					
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48					
Option Variant Codes / Definition					
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55					

Remarks:

Data based on situation 14/03/2012

All data subject to tolerances in accordance with IEC

Guaranteed values on request