


ABB Motors		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 14/07/2011	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 403 510-AUG				
3	Type/Frame	M3BP 400 LA 6				
4	Mounting	IM1001, B3(foot)				
5	Rated output P _N	400	kW			
6	Service factor	1				
7	Type of duty	S1(IEC) 100%				
8	Rated voltage U _N	690	VD	± 5 % (IEC 60034-1)		
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)		
10	Rated speed n _N	993	r/min			
11	Rated current I _N	424	A			
12	No-load current	165	A			
13	Starting current I _s /I _N	7,1				
14	Nominal torque T _N	3847	Nm			
15	Locked rotor torque T _s /T _N	2,3				
16	Maximum torque T _{max} /T _N	2,7				
17	Minimum torque T _{min} /T _N	1,9				
18	Speed at minimum torque	880	r/min			
Load characteristics (IEC 60034-2-1:2007)		Load %	Current A	Efficiency %	Power factor	
19	PLL determined from residual loss	100	424	96,2	0,82	
20		75	334	96,3	0,78	
21		50	265	95,8	0,66	
22		Start	3013		0,34	
23	Maximum starting time from hot	18	s			
24	Maximum starting time from cold	32	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	6324/C3 - 6319/C3				
31	Type of Grease					
32	Sound pressure level (LP dB(A) 1m)	76	dB(A)	at load		
33	Moment of inertia J = ¼ GD2	17	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	Total weight of motor	2900	kg			
41	Dimension drawing no.					
42						
43						
44						
45						
Ex-motors						
46						
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48						
Option Variant Codes / Definition						
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53						
54						
55						
Remarks:						
Data based on situation 02/07/2010						

All data subject to tolerances in accordance with IEC
Guaranteed values on request

