


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 403 520-AUG			
3	Type/Frame	M3BP 400 LB 6			
4	Mounting	IM1001, B3(foot)			
5	Rated output P _N	450	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	994	r/min		
11	Rated current I _N	475	A		
12	No-load current	190	A		
13	Starting current I _s /I _N	7,4			
14	Nominal torque T _N	4323	Nm		
15	Locked rotor torque T _s /T _N	2,4			
16	Maximum torque T _{max} /T _N	2,8			
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	475	96,6	0,82
20		75	375	96,6	0,78
21		50	297	96,1	0,66
22		Start	3518		0,33
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	20,5	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	3150	kg		
41	Dimension drawing no.				
42					
43					
44					
45					
Ex-motors					
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Option Variant Codes / Definition					
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55					
Remarks:					
Data based on situation 02/07/2010					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					

