



Project	Location
---------	----------

Department/Author	Customer name	Customer ref.	Item name 1.00001
-------------------	---------------	---------------	-----------------------------

Our ref.	Rev/Changed by A	Date of issue 11/10/2011	Saving ident untitled.xls	Pages 1(3)
----------	----------------------------	------------------------------------	-------------------------------------	----------------------

No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GAA 102 313-BSE			
3	Type/Frame	M3AA 100 LC 4			
4	Mounting	IM3001, B5(flange)			
5	Rated output P _N	2.2	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	1450	r/min		
11	Rated current I _N	4.6	A		
12	No-load current	2.6	A		
13	Starting current I _s /I _N	7.3		Fullfilled IEC 60034-12 des. N,H	
14	Nominal torque T _N	14.5	Nm		
15	Locked rotor torque T _s /T _N	2.8			
16	Maximum torque T _{max} /T _N	3.4			
17	Minimum torque T _{min} /T _N	2.5			
18	Speed at minimum torque	210	r/min		
Load characteristics (IEC 60034-2-1:2007)		Load %	Current A	Efficiency %	Power factor
19	PLL determined from residual loss	100	4.6	86.4 / IE2	0.79
20		75	3.8	86.2	0.72
21		50	3.1	84.1	0.6
22		<i>Start</i>	33		0.61
23	Maximum starting time from hot	15	s		
24	Maximum starting time from cold	27	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	6306-2Z/C3 - 6205-2Z/C3			
31	Type of Grease				
32	Sound pressure level (LP dB(A) 1m)	54	dB(A)	at load	
33	Moment of inertia J = ¼ GD ²	0.009	kg-m ²		
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	8	kg		
41	Total weight of motor	25	kg		
42	Dimension drawing no.				
43					
44					
45					