

		Technical Data Sheet DOL		
		Project	Location	
Department/Author	Customer name		Customer ref.	
Our ref.	Rev/Changed by	Date of issue	Saving ident	Item name
	A	21/10/2014	untitled.xls	33-PS-2402
				Pages 1(3)
No.	Definition	Data	Unit	Remarks
1	Product	TEFC, 3-phase, squirrel cage induction motor		
2	Product code	3GKP 131 220-BDH		
3	Type/Frame	M3KP 132 SMB 2		
4	Mounting	IM3011, V1(flange)		
5	Rated output P _N	5,5	kW	
6	Service factor	1		
7	Type of duty	S1(IEC) 100%		
8	Rated voltage U _N	380	VD	± 5 % (IEC 60034-1)
9	Rated frequency f _N	50	Hz	± 2 % (IEC 60034-1)
10	Rated speed n _N	2895	r/min	
11	Rated current I _N	10,6	A	
12	No-load current	3,2	A	
13	Starting current I _s /I _N	6,4		Fullfilled IEC 60034-12 design N,H
14	Nominal torque T _N	18,1	Nm	
15	Locked rotor torque T _s /T _N	2,1		
16	Maximum torque T _{max} /T _N	3		
17	Minimum torque T _{min} /T _N	2,1		
18	Speed at minimum torque	0	r/min	
	Load characteristics (IEC 60034-2-1:2007)	Load %	Current A	Efficiency %
19	PLL determined from residual loss	100	10,6	86,5 / IE1
20		75	8,0	87
21		50	5,8	86
22		Start	67	0,57
23	Maximum starting time from hot	15	s	
24	Maximum starting time from cold	30	s	
25	Insulation class / Temperature class	F / B		
26	Ambient temperature	40	°C	
27	Altitude	1000	m.a.s.l.	
28	Enclosure	IP65		
29	Cooling system	IC411 self ventilated		
30	Bearing DE/NDE	6208-2Z/C3 - 6208-2Z/C3		
31	Type of Grease			
32	Sound pressure level (LP dB(A) 1m)	71	dB(A)	at load
33	Moment of inertia J = ¼ GD2	0,009	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	6	kg	
41	Total weight of motor	92	kg	
42	Dimension drawing no.			
43				
44				
45				
Ex-motors				
46	Type of protection	Ex de IIB T4 Gb		
47	EC Type Examination No	LCIE 10 ATEX 3093X		
48				
Option Variant Codes / Definition				
49	+066 Modified for non-standard mounting position			
50				
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52				
53				
54				
55				
Remarks:				
Data based on situation 08/01/2013				
All data subject to tolerances in accordance with IEC				
Guaranteed values on request				

		Technical Data Sheet - DOL			
		Project		Location	
Department/Author		Customer name		Customer ref.	
				Item name	
				33-PS-2701	
Our ref.		Rev/Changed by	Date of issue	Saving ident	Pages
		A	21/10/2014	untitled.xls	1(3)
No.	Definition	Data	Unit	Remarks	
1	Product	TEFC, 3-phase, squirrel cage induction motor			
2	Product code	3GKP 131 240-BDH			
3	Type/Frame	M3KP 132 SMD 2			
4	Mounting	IM3011, V1(flange)			
5	Rated output P_N	7,5	kW		
6	Service factor	1			
7	Type of duty	S1(IEC) 100%			
8	Rated voltage U_N	380	VD	$\pm 5\%$ (IEC 60034-1)	
9	Rated frequency f_N	50	Hz	$\pm 2\%$ (IEC 60034-1)	
10	Rated speed n_N	2903	r/min		
11	Rated current I_N	13,9	A		
12	No-load current	4,1	A		
13	Starting current I_s/I_N	7,5		Fulfilled IEC 60034-12 design N,H	
14	Nominal torque T_N	24,7	Nm		
15	Locked rotor torque T_s/T_N	2,7			
16	Maximum torque T_{max}/T_N	3,6			
17	Minimum torque T_{min}/T_N	2,7			
18	Speed at minimum torque	0	r/min		
Load characteristics (IEC 60034-2-1:2007)		Load %	Current A	Efficiency %	Power factor
19	PLL determined from residual loss	100	13,9	88,8 / IE2	0,92
20		75	10,7	89,6	0,89
21		50	7,8	88,9	0,82
22		Start	104		0,54
23	Maximum starting time from hot	15	s		
24	Maximum starting time from cold	30	s		
25	Insulation class / Temperature class	F / B			
26	Ambient temperature	40	°C		
27	Altitude	1000	m.a.s.l.		
28	Enclosure	IP65			
29	Cooling system	IC411 self ventilated			
30	Bearing DE/NDE	6208-2Z/C3 - 6208-2Z/C3			
31	Type of Grease				
32	Sound pressure level (LP dB(A) 1m)	71	dB(A)	at load	
33	Moment of inertia $J = \frac{1}{4} GD^2$	0,012	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	14	kg		
41	Total weight of motor	100	kg		
42	Dimension drawing no.				
43					
44					
45					
Ex-motors					
46	Type of protection	Ex de IIB T4 Gb			
47	EC Type Examination No	LCIE 10 ATEX 3093X			
48					
Option Variant Codes / Definition					
49	+066 Modified for non-standard mounting position				
50					
51					
52					
53					
54					
55					
Remarks:					
Data based on situation 04/11/2012					
All data subject to tolerances in accordance with IEC					
Guaranteed values on request					