

TEC Electric Motors			Technical Data Sheet					
Item name:HV Motor			Project Location		Customer		TEC ELECTRIC MOTORS	
Author: TEC Electric Motors			Reference No.				PO.No :N/M	
Project contacts: Daniel Bernstein			Date of issue		17/04/2016		Pages:1/1	
	Definition	Date	Unit	Remarks				
1	Product	3-phase, Squirrel cage LV Motor (IE2)						
2	Product code	IEC60034-1						
3	Type/Frame	YE2-400L3-2						
4	Mounting	IMB3(With Foot)					IEC60034-7	
5	Rated output P _N	630					KW	
6	Service factor	1.0						
7	Type of duty	S1(IEC)100%						
8	Rated voltage U _N	400/690 V	delta/star	±5%(IEC 60034-1)				
9	Rated frequency f _N	50 HZ						
10	Rated speed n _N	2980r/min						
11	Rated current I _N	1027.5					A(ampere)	
12	No-load current	277.4					A(ampere)	
13	Starting current I _s /I _N	6.5					IEC60034-12 design N,H	
14	Nominal torque T _N	1794Nm						
15	Locked rotor torque T _s /T _N	1.5						
16	Maximum torque T _{max} /T _N	2.3						
17	Minimum torque T _{min} /T _N							
19		Load %	Current A	Efficiency %	Power factor			
20	Load characteristics(IEC 60034-2-1:2007)PLL	100%	1027.5	96.2%	0.92			
21	determined from residual loss	75%	801.5	96.1%	0.89			
22		50%	596.0	95.7%	0.81			
23	Maximum starting time from hot	20	s					
24	Maximum starting time from cold	40	s					
25	Starting times Cold/Hot	3/2						
26	Insulation class/ Temperature	F/B						
27	Ambient temperature	40 °C						
28	Altitude	Less than 1000 m.a.s.l.						
29	Enclosure	IP55					IEC60034-5	
30	Cooling system(Method)	IC411					IEC60034-6	
31	Bearing DE/NDE							
32	Type of Grease	No.3 Lithium base grease						
33	Sound pressure level(LP Db(A) 1m)	Less Than 90dB(A)					at load(IEC60034-9)	
34	Moment of inertia J=¼ GD2							
35	Balancing	Rotor dynamic balance						
36	Vibration class	less than 2.3mm/s					IEC60034-14	
37	Position of terminal box	On top of motor						
38	Terminal box entries; no.dimens.							
39	Number of power terminals	2						
40	Direction of rotation	Clockwise					IEC60034-8	
41	Total weight of motor	3987kg						
42	Dimension drawing no.	No						
43	Bearing Temperature sensors	No					IEC60034-11	
44	Stator Temperature sensors	No						
45	Space heater spe.	No						
46								
Ex-motors								
46	Ex-Mark	No						
47								
48								
Option Variant Codes/Definition								
49								
50								
51								
52								
53								
54								
Remarks:								
Date based on situation 03-Nov-12								
All data subject to tolerances in accordance with IEC60034-1								
Guaranteed values on request								

