

Technical Data Sheet



Project Location

IT

Item name: HV Motor

Customer name

PO.No :N/M

Author:

Reference No.

Pages:1/1

Project contacts:

Date of issue

	Definition	Date	Unit	Remarks
1	Product	3-phase Squirrel cage HV AC Motor		
2	Product code	IEC60034-1		
3	Type/Frame	YKK-560-2		
4	Mounting	IMB3		
5	Rated output P _N	2320		
6	Service factor	1.0		
7	Type of duty	S1(IEC)100%		
8	Rated voltage U _N	6000 V		
9	Rated frequency f _N	50 Hz		
10	Rated speed n _N	2982		
11	Rated current I _N	264.8		
12	No-load current	66.2		
13	Starting current I _s /I _N	7.0		
14	Nominal torque T _N	7429.9		
15	Locked rotor torque T _s /T _N	0.6		
16	Maximum torque T _{max} /T _N	1.8		
19		Load %	Current A	Efficiency %
20	Load characteristics(IEC 60034-2-1:2007)PLL determined from residual loss	100%	264.8	95.8%
21		75%	206.5	95.6%
22		50%	153.6	95.1%
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		
30	Cooling system(Method)	IC611		
31	Bearing DE/NDE	/		
32	Type of Grease	Oil		
33	Sound pressure level(LP Db(A) 1m)	Less Than 115dB(A)		
35	Balancing	Rotor dynamic balance		
36	Vibration class	less than 2.3mm/s		
37	Position of terminal box	on the both side of motor		
39	Number of power terminals	2		
40	Direction of rotation	CW + CCW		
41	Total weight of motor	9900kg		
42	Dimension drawing no.	21-02-02012		
43	Bearing Temperature sensors	2*PT100		
44	Stator Temperature sensors	6*PT100		
45	Space heater spe.	1 phase 230V, 50Hz		
46	Axial force	/		

Ex-motors

46	Ex-Mark	No					
47							
48							

Option Variant Codes/Definition

49							
50							
51							
52							
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55							
56							

Remarks:

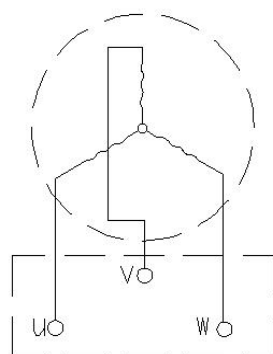
Date based on situation 20-Oct-15

All data subject to tolerances in accordance with IEC60034-1

Guaranteed values on request

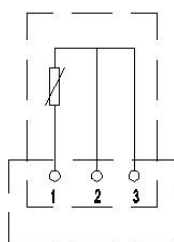
		Wire connection Diagram	
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cable box

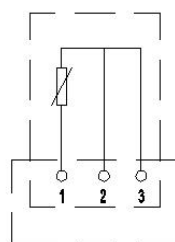


bearing temp detector

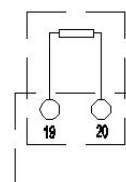
shaft extension side



non-shaft extension side

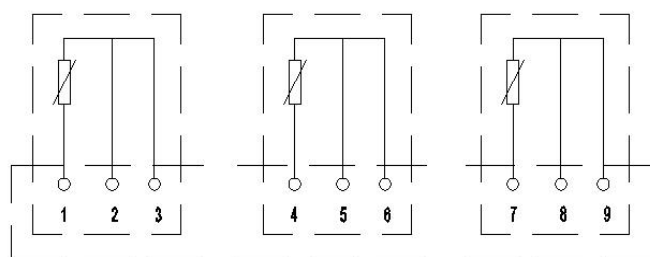


space heater

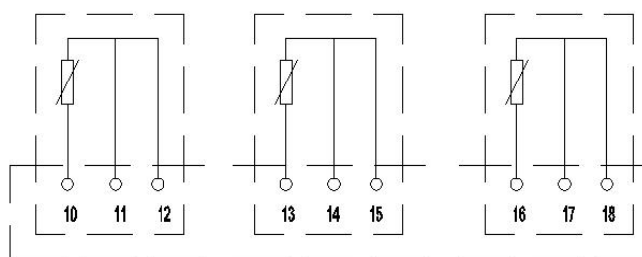


startor temp detector

working group



prepared group



Terminal Box Details



Project Location

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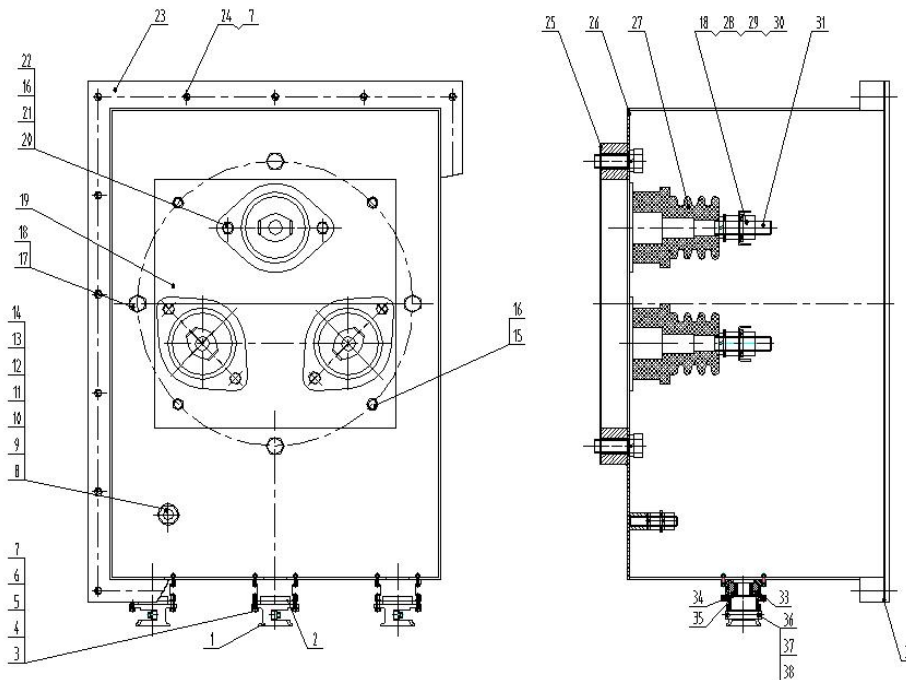
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	NO	CODE	NAME	PCS	MATERIAL	MARK
	1		Terminal box bucket	3	20 steel plate 235A	YB2-M16
	2		Gasket	3	3 steel plate 235A	YB2-M16
	3		Terminal box base cover	3	6 steel plate 235A	
	4		Sealing ring	3	6 steel plate 235A	
	5	GB/T5783	Bolt M8*35	6		galvanized
	6	GB/T6170	Bolt M8	6		galvanized
	7	GB/T93	Gasket M8	60		65Mn
	8	GB/T6170	Bolt M12	4		H62
	9	GB/T97.1	Gasket 12	4		H62
	10	GB/T93	Gasket 12	2		65Mn
	11	GB/T97.1	Gasket 12	2		galvanized
	12		Earthmark plate	2		
	13		Earthing bolt	2		
	14		Earthing bolt seat	2		
	15	GB/T5783	Bolt M10*25	4		galvanized
	16	GB/T93	Gasket 10	10		65Mn
	17	GB/T5783	Bolt M16*45	4		galvanized
	18	GB/T93	Gasket 16	10		65Mn
	19		Fixed plate	1		
	20	GB/T5783	Bolt M10*40	6		galvanized
	21	GB/T6170	Screw nut M10	6		galvanized
	22	5PX.180.501	Flange plate	3		
	23		Terminal box lid	1		
	24	GB/T5783	Bolt M8*20	18		galvanized
	25		Sealing ring	1		
	26		Terminal box base	1		
	27		high tension shackle insulator	3		
	28		Bow washer 16	3		
	29	GB/T6170	Screw nut M16	6		
	30	GB/T97.1	Washer 16	6		
	31		terminal stud	3		
	32		Gasket seal	1		
	33		Seal ring	3		
	34		Gasket	3		
	35		Gasket	3		
	36		Pressure plat	3		YB2-M16
	37	GB/T5783	Bolt M10*30	6		galvanized
	38	GB/T93	Gasket 10	6		65Mn