



제 2012 - 35988 호

안 전 인 증 서

(사업장명)

극동호이스트(주)

(425-833)경기도 안산시 성곡동630-2 반월공단 B-607-14

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

_____ 품 목 _____

호이스트

_____ 형식,모델(용량,등급)/인증번호 _____

KD5-DL (5Ton) /12-AQ2AC-04403

_____ 인 증 기 준 _____

고용노동부 고시 제2012 - 33호 (위험기계,기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2012년 11월 01일



한국산업안전보건공단이사장



심사결과 통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호	134-81-013350
	사업자등록번호	134-81-01335	대표자 성명	최성찬
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		
안전인증대상 기계·기구명				
호이스트				
형식 (규격)		KD5-DL	용량 (등급)	5 Ton

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한

[] 예비심사

[☒] 서면심사

[] 기술능력 및 생산체계 심사

결과가 [☒] 적 합

[] 개별 제품심사

[] 부적합

함을 통지합니다.

[] 개별 제품심사(제작중)

[] 형식별 제품심사

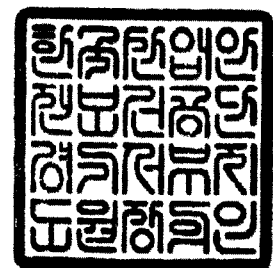
2012년 10월 30일

인증심사원

강성두 변명수

(서명 또는 인)

한국산업안전보건공단 경기서부지도원장



서 면 심 사 서 류

형식 번호 : KD5-DL

극 동 호 이 스트 (주)

工場 : 경기도 안산시 단원구 성곡동 630-2 발원공단 607-14

電話 : 031) 491 - 5311

FAX : 031) 494 - 5315

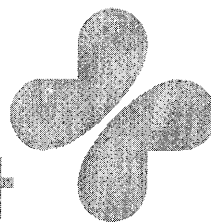
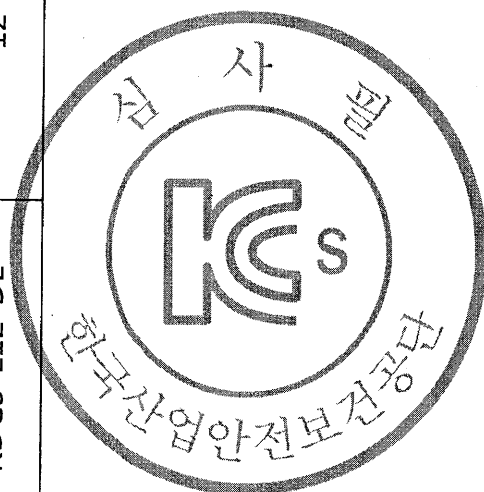
산업재해예방

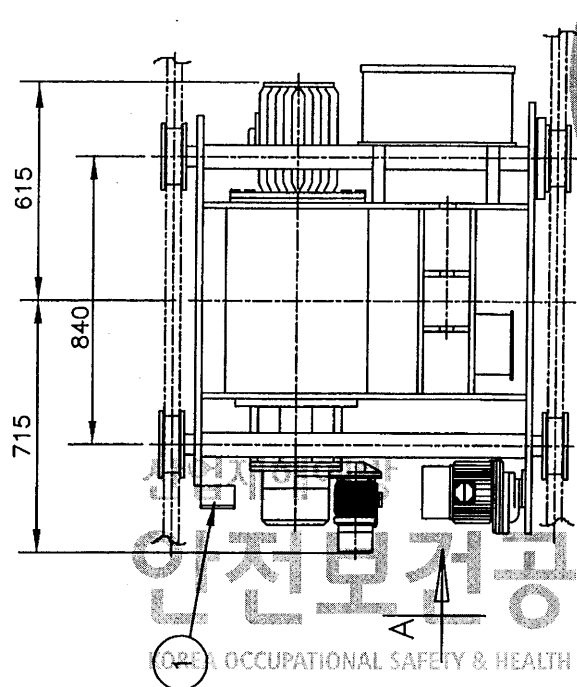
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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구분		내역			
형식	모델	양정(M)	권상속도(M/MIN)	회행방식	비고
KD5-DL	KD5-L6-DL	6	8.4 5.6 4.2	모터구동식	
	KD5-L9-DL	9			
	KD5-L12-DL	12			
	KDC5-L6-DL	6	5.6/0.56	모터구동식	
	KDC5-L9-DL	9			
	KDC5-L12-DL	12			



[illegible]

VIEW A





PUSH BUTTON S/W

VIEW A





VIEW A



KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

DESCRIPTION	SYMBOLS
NO FUSE BREAKER 2 PHASE	
NO FUSE BREAKER 3 PHASE	
EARTH LEAKAGE BREAKER 2 PHASE	
EARTH LEAKAGE BREAKER 3 PHASE	
TRANSFORMER	
CURRENT TRANSFORMER	
POTENTIAL TRANSFORMER	
FUSE	
FUSE WITH CONTACTOR	
THYRISTOR UNIT	

[illegible][illegible]

ELECTRICAL SYMBOL LIST

DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS
WIRE INTERNAL TO ENCLOSURE	—	CONTROLLER OR REMOTE CONTROLLER CONTACTOR		SOLENOID COIL		FLOOD LIGHTING	
WIRE EXTERNAL TO ENCLOSURE	---	UPPER LIMIT SWITCH (LS-II)		RESISTOR		RECEPTACLE	
WIRE NOT CONNECTED	—	THERMAL RELAY		VARIABLE RESISTOR			
WIRE CONNECTED	— •	PILOT(SIGNAL) LAMP		SLIP RING			
TERMINAL	—⊙	ROTARY LAMP		CABLE REEL			
GROUND (EARTH)	≡	WARNING SIREN		SPACE HEATER			
PLUG & RECEPTACLE	—<<	BUZZER		SURGE ABSORBER			
MAGNETIC CONTACTOR COIL	—M	AMMETER		LOAD CELL			
AUX. RELAY COIL	—CR	VOLT METER		BALLAST WITH RECEPTACLE			
TIMER COIL	—T	FLUORESCENCE LAMP		FAN			

Δ	CUSTOMER	DRAWING TITLE	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
Δ		SYMBOL LIST 2/2					NONE		
Δ									
Δ									
MK	DATE	REVISIONS	CHK.	APP.			DWG. NO.		KDSM0002

ELECTRICAL SPECIFICATION

POWER SOURCE : AC 3Φ 220V, 380V, 440V, 460V, 480V 60Hz
CONTROL SOURCE : AC 1Φ 110V(120V) 60Hz

OBJECT	MOTOR OUTPUT	220V		380V		440V	460V	480V	440, 460, 480V	BRAKE	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN HOIST	5.5KW x 6P 30 MIN	28.20 A	10.0 sq	16.30 A	6.0 sq	14.1 A	13.5 A	12.9 A	6.0 sq	DC MAG. BRAKE	
	1.0KW x 6P 30 MIN	6.70 A	4.0 sq	3.90 A	4.0 sq	3.3 A	3.2 A	3.1 A	4.0 sq	DC MAG. BRAKE	
CREEP HOIST	HIGH 0.75KW x 4P 30 MIN	4.10 A	4.0 sq	2.40 A	4.0 sq	2.00 A	2.00 A	1.90 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	LOW 0.5KW x 6P 30 MIN	3.40 A	4.0 sq	2.00 A	4.0 sq	1.70 A	1.70 A	1.60 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
TRAVERSING	HIGH/LOW 0.8/0.4KWx4/8P 30 MIN	4.80 A	4.0 sq	2.78 A	4.0 sq	2.40 A	2.30 A	2.30 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	HIGH/LOW 0.5/0.25KWx6/12P 30MIN	3.20 A	4.0 sq	1.85 A	4.0 sq	1.80 A	1.78 A	1.76 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
CONTROL CIRCUIT		2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT											
SUB TOTAL (PEAK LOAD)		34.30 A	16.0 sq	20.70 A	6.0 sq	18.10 A	17.50 A	16.80 A	6.0 sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL (NORMAL LOAD)		33.60 A	16.0 sq	20.30 A	6.0 sq	17.80 A	17.20 A	16.50 A	6.0 sq	I(A)=M/H + T/S + ASS'Y	

*. 위 계산은 HIGH(MAX.)일때와 LOW(MIN.)일때만 계산한것임.

*. 위 계산은 LIFT 6,9,12M에 적용.



* CV CABLE 4C중 1C는 EARTH로 사용함.

1. 전통기 외함, 제어반의 프레임 등은 접지하여 그 접지 저항은

400V 미만 : 100오를 이하일것.(3종 접지)

400V 이상 : 10오음 이하일것.(꼭 3중접지)

2.MAIN S/W BOX는 3종 접지 요.

1. 전기장비와 기계의 노출된 모든 도선부는 보호단락로에 연결되어야 하며, 적절한 접지연속성 기능이 유지되어야 함.

--- USER SCOPE

_____ KUKDONG SCOPE

[illegible]

본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCE임

*3중 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*4중 접지공사 10Ω 이하 (AC 3PH 400V 이상)

1. 전기장비와 기계의 노출된 모든 도전부는 보호봉딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야 함.
2. 보호봉딩회로에는 개폐기, 과전류보호장치기 부착되지 않아야 한다.

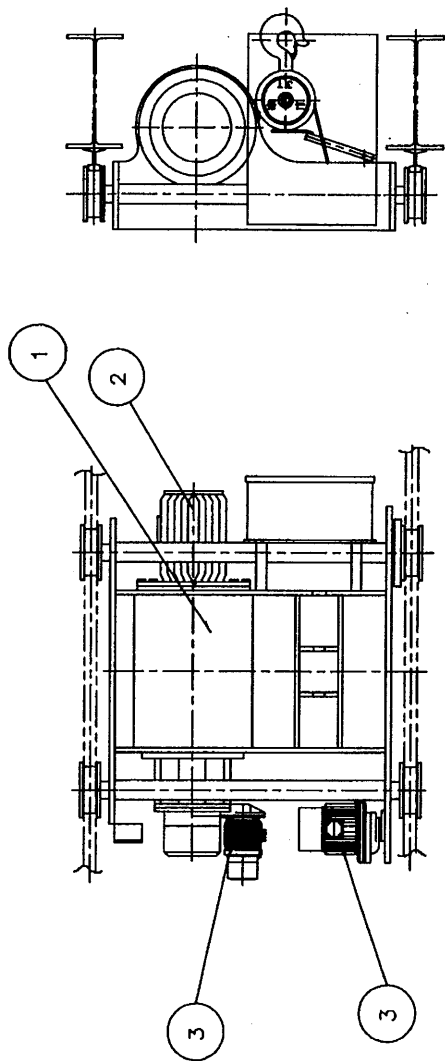
NO	CABLE					REMARK
	TYPE		SIZE			
	220V	380V	TYPE	440V, 460V, 480V		
1	VCT	10sqx4c	6sqx5c	VCT	6sqx5c	HOISTING MOTOR WITH EARTH
2	VCT	4.0sqx7c	4.0sqx7c	VCT	4.0sqx7c	CREEP MOTOR WITH EARTH
3	VCT	4.0sqx7c	4.0sqx7c	VCT	4.0sqx7c	T/S MOTOR WITH EARTH
4	VFCT	16sqx4c	6sqx4c	VFCT	6sqx4c	MAIN POWER WITH EARTH

시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

MK	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE
						KDC 5TON CABLE 사양
DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE
					NONE	
국동호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO KDC5DL-E234
ORDER NO.						

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			
A4																			

* MAIN POWER : AC 3PH (220,380,440,460,480)V 60Hz LIFT 6,9,12M



산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

ELECTRIC WIRE ROPE HOIST									
MODEL	RATING	LIFT	min	min	min	min	min	min	min
CAPACITY	Kg	m/min	POWER	SOURCE	V	Hz	Hz	Hz	Hz
HOIST MOTOR	Kw	P	AMP	S R&T	HOIST	A	A	A	A
TRAVEL SPEED	m/min	AMP	S R&T	TRAV	A	A	A	A	A
TRAVEL MOTOR	Kw	P	AMP	S R&T	TRAV	A	A	A	A
WIDTH OF RAIL	mm	WEIGHT	Kg	Kg	Kg	Kg	Kg	Kg	Kg
DATE	SERIAL	SERIAL	SERIAL	SERIAL	SERIAL	SERIAL	SERIAL	SERIAL	SERIAL
KUKDONG HOIST CO.,LTD									

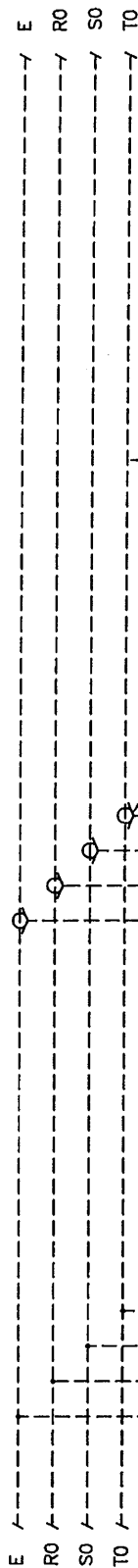
3 PHASE INDUCTION MOTOR									
KW	P	TYPE	TENV	min	min	min	min	min	min
VOLTS	V	RATING	A	AMP	TEMP	40C	40C	40C	40C
AMP.S	A	AMP	TEMP	INS	CLASS	F	F	F	F
HEARTS	R.P.M	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING
ROTOR	C	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING
SERIAL	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
KUKDONG HOIST CO.,LTD									

3

3 PHASE INDUCTION MOTOR									
KW	P	TYPE	TENV	min	min	min	min	min	min
VOLTS	V	RATING	A	AMP	TEMP	40C	40C	40C	40C
AMP.S	A	AMP	TEMP	INS	CLASS	F	F	F	F
HEARTS	R.P.M	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING
ROTOR	C	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING	BEARING
SERIAL	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
KUKDONG HOIST CO.,LTD									

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVELLING POWER SUPPLY SYSTEM																			
TRAVELLING POWER SUPPLY SYSTEM																			ADR'S NO.
																			A1

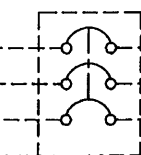


POWER COLLECTOR

TRAVELLING POWER SUPPLY SYSTEM

HOIST BOX

MAIN BOX



TO: CONTROL CIRCUIT

(A5/02)

(A5/02)

CONTROL CABLE

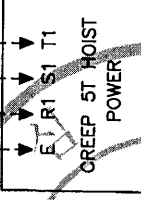
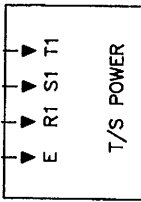
HIV or KIV 2.5sq

CRANE MAKER SCOPE

1. --- MARKED OWNER SCOPE

2. EARTH : 제 3종접지 공사(400V 미만전압 : 100 OHM 이하)

제 3종접지 공사(400V 이상전압 : 10 OHM 이하)



POWER SOURCE
AC 3ø 60Hz

SELECTION	VOLTAGE	F11	F12	F13	MCCB100	TR10
	220V	2A	5A	53AF	40AT	220/110,120V 100VA
	380V	1A	3A	33AF	30AT	380/110,120V 100VA
	440V	1A	3A	33AF	30AT	440/110,120V 100VA
	480V	1A	3A	33AF	30AT	480/110,120V 100VA
	480V	1A	3A	33AF	30AT	480/110,120V 100VA

1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선

2) 적색 : 교류제어선

3) 청색 : 교류제어선

4) 녹색 또는 녹색과 황색 혼용 : 접지

2. 표시등의 색상은 다음과 같다.

1) 적색 : 비상

2) 황색 : 비상

3) 녹색 : 정상

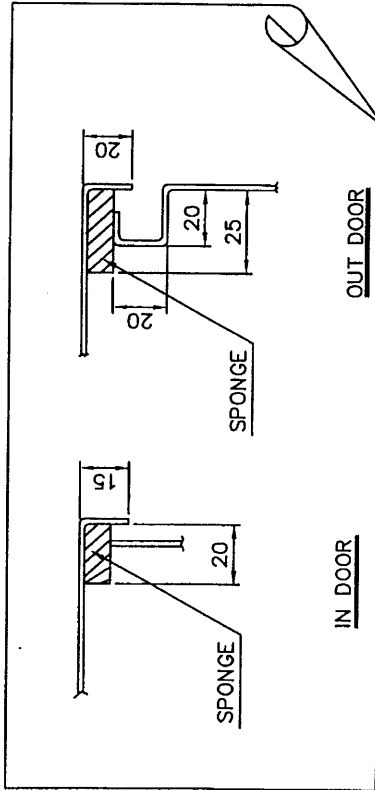
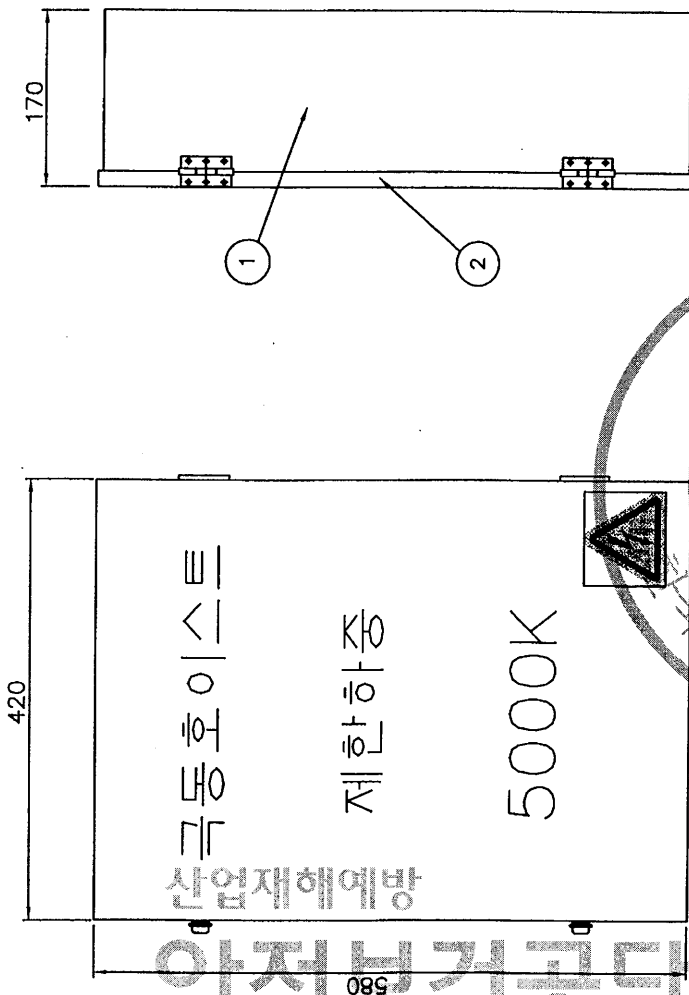
4) 청색 : 외부

5) 흰색 : 중립

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
DRAWING TITLE	CUSTOMER	REVISIONS	CHK.	APP.	DWG. NO	
MAIN POWER CIRCUIT 1					KDC5E001	
DIAGRAM						

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

NO	DESCRIPTION	MT'L	REMARKS
1	PANEL CASE	SPC	1.6t
2	PANEL COVER	SPC	1.6t
3	HINGE	PUR'	
4	CLAMP	PUR'	
5	SPONGE	PUR'	



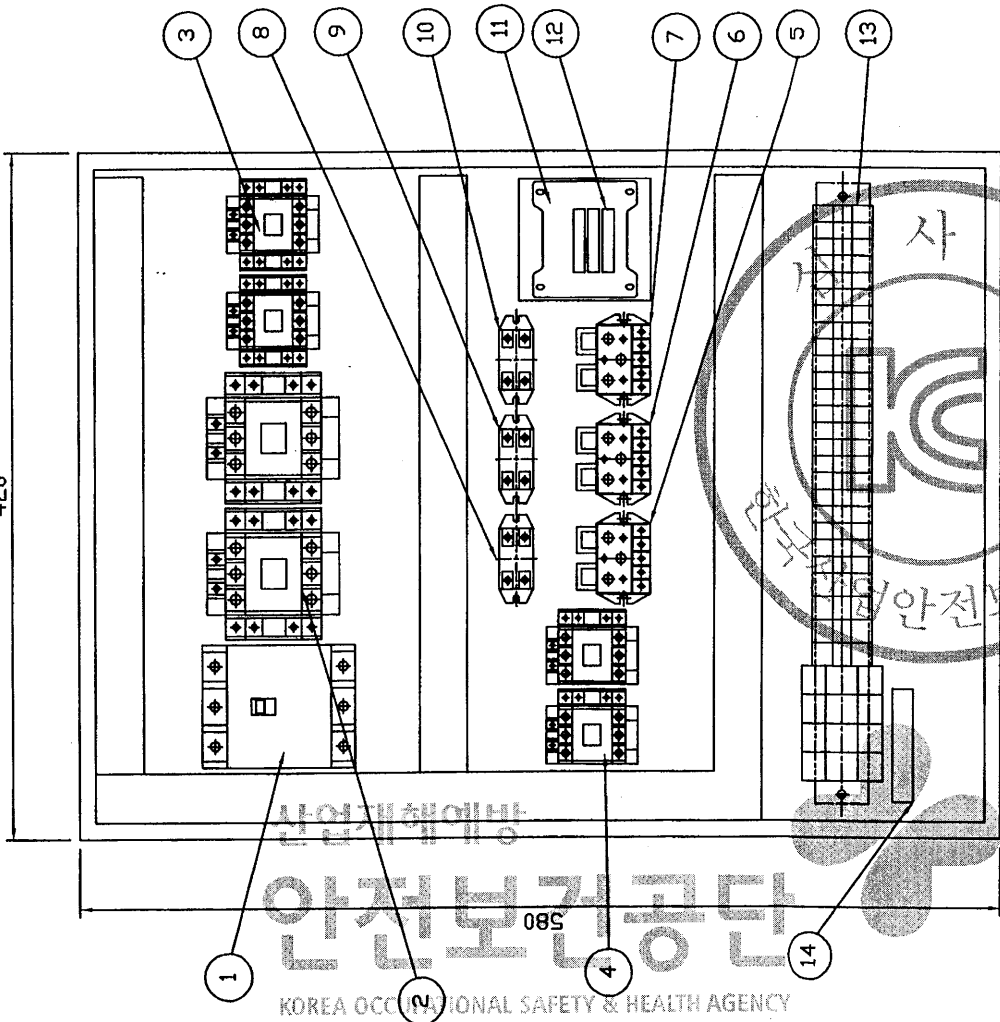
NOTE

- 1.PROTECTION DEGREE ;
A. INDOOR TYPE : DUST PROOF
B. OUT DOOR TYPE : SPLASH PROOF
- 2.FINAL PAINTING COLOR (MUNSELL NO.)
A. IN SIDE : 10B 3/5
B. OUT SIDE : 10B 3/5
- 3.PAINTING THICKNESS : ABOVE 40 U
- 4.APPLICATION VOLTAGE : 220V,380V,440V,460V,480V
5. BOX INSIDE CONTROL CABLE : POWER : 2.5sq KIV. HIV
6. 외함 기판 구조는 다음과 같다.

- 1) 외함 기판시 충전부분이 차단되도록 한다.
- 2) 외함 기판 후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

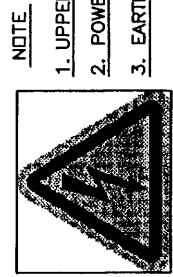
	국동호이스트 주식회사 KUK DONG HOIST CO., LTD.	APP	CHK	DRAWN	SHEET NO	QTY	PROJECT	DL 5.0TON	HOIST CONTROL BOX	DWG NO.
									LAY OUT DRAWING	KDC5EB001

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			



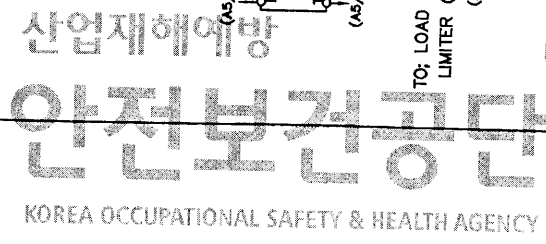
NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	53AF/40AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DMC65C	2	HOISTING
3	M111,112	MAG. CONTACTOR	DMC22C	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DMC22C	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-30	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	220V/110V, 120V 100VA	1	
12	F11,12,(13)	FUSE	2A, (3A)	2(1)	
13		TERMINAL BLOCK	35A, 15A	1	
14		EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류전원선
2) 회색 : 교류제어선
3) 주황색 : 외부전원에서 공급되는 전동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제라시 다스 변경 필수있음.
5. 외함 개방구조는 다음과 같을것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

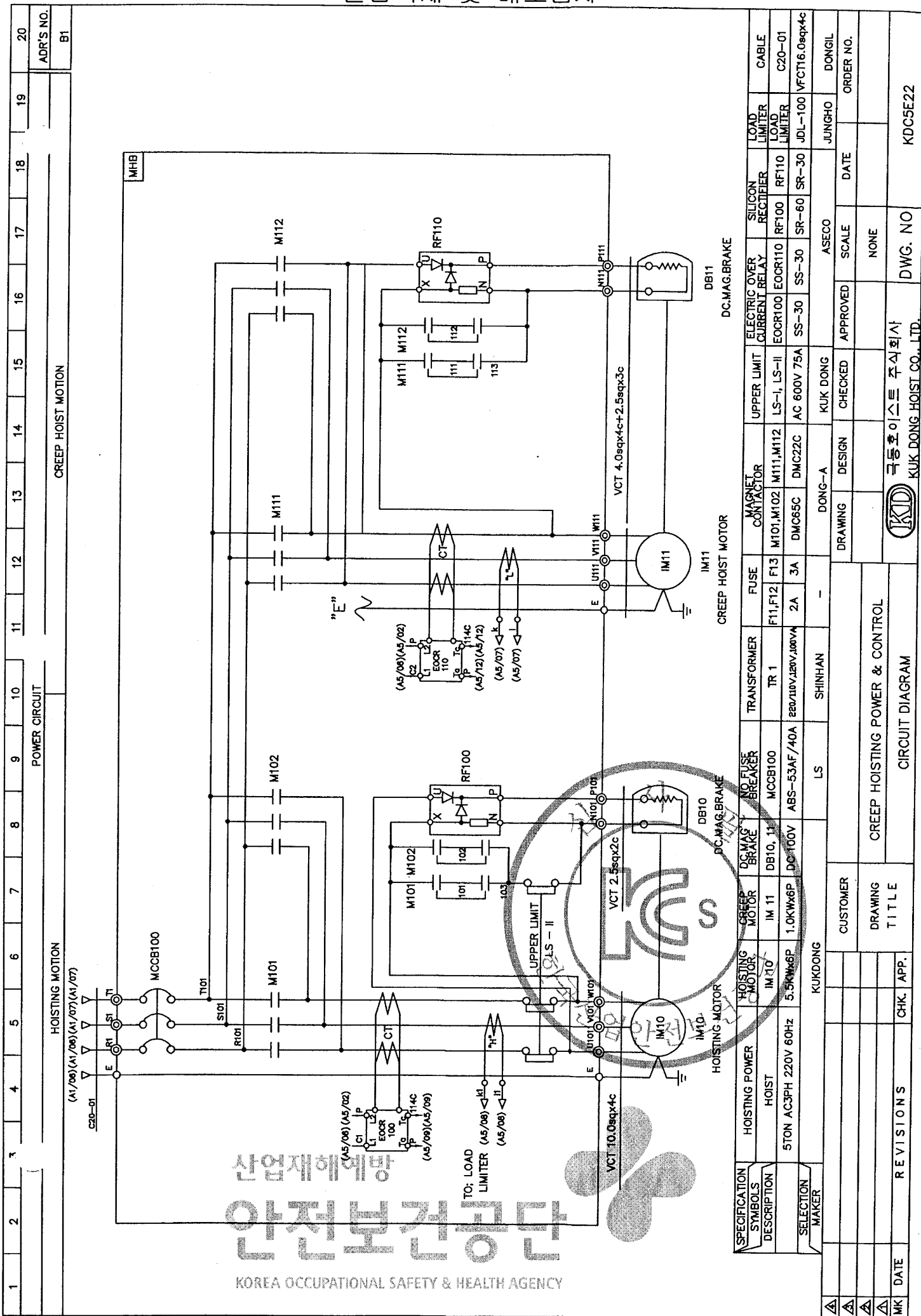


NOTE
1. UPPER LIMIT LS-1,LS-2의 전압하중 전류 : 600V 75A
2. POWER SOURCE : AC 3φ 220V/60Hz
3. EARTH TERMINAL RESISTANCE 0.018Ω

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING							
KDK		극동호이스트 주식회사 KUK DONG HOIST CO., LTD.		DWG. NO	KDC05BA21		
MK	DATE	REVISIONS	CHK.	APP.			



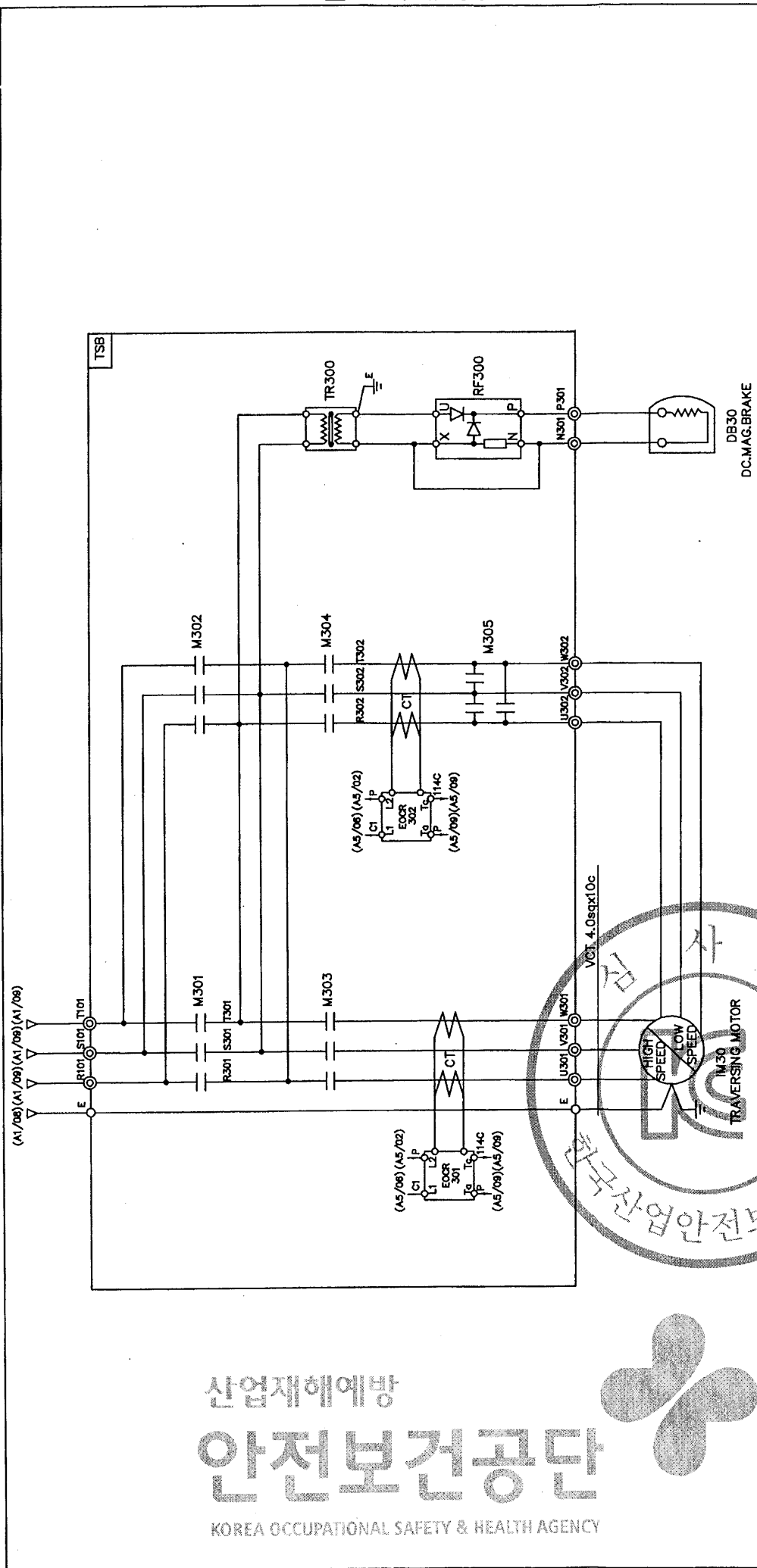
192.168.11.38 / 2012-10-31 11:01:09



산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

192.168.11.38 / 2012-10-31 11:01:09

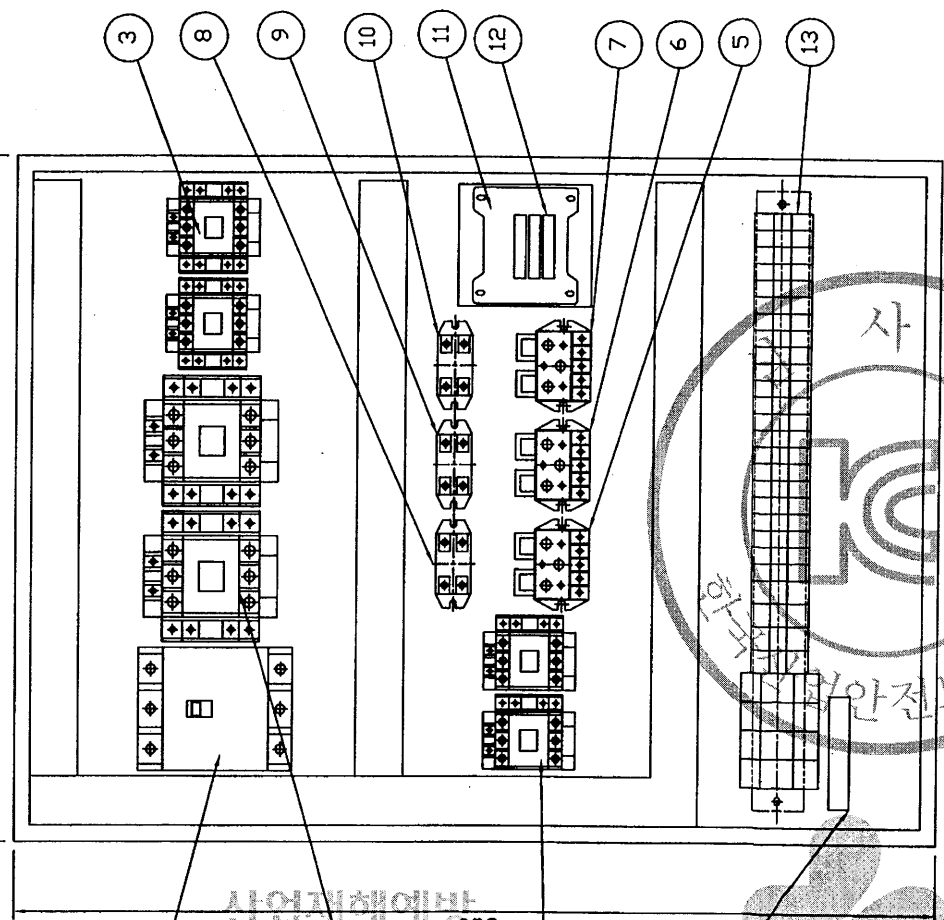
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER										JIT									
TRAVERSING MOTION										C2									
ADR'S NO.										C2									



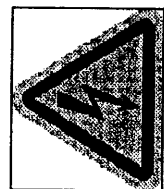
SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		0.5/0.25KWx6/12P AC3PH 220V 60Hz		M301, M302, M303, M304, M305		RF 300		EOCR 301, 302		TR300	
DC MAG' BRAKE		DB30		DC 100V		DMC22C		SR-30		SS-05		AC220/220V, 300VA	
TRAVERSING MOTOR		IM 30		0.8/0.4KWx4/8P AC3PH 220V 60Hz		DMC22C		SR-30		SS-05		AC220/220V, 300VA	
SELECTION		MAKER		KUKDONG		DONG-A		ASECO		SHINHAN		ORDER NO.	
CUSTOMER		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		NONE		NONE		NONE		NONE		NONE	
REVISIONS		CHK.		APP.		DWG. NO		KDC5E025		KUK DONG HOIST CO., LTD.		KDC5E025	
DATE		MK		192.168.11.38 / 2012-10-31 11:01:09									

ADR'S NO.

420



안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



NOTE

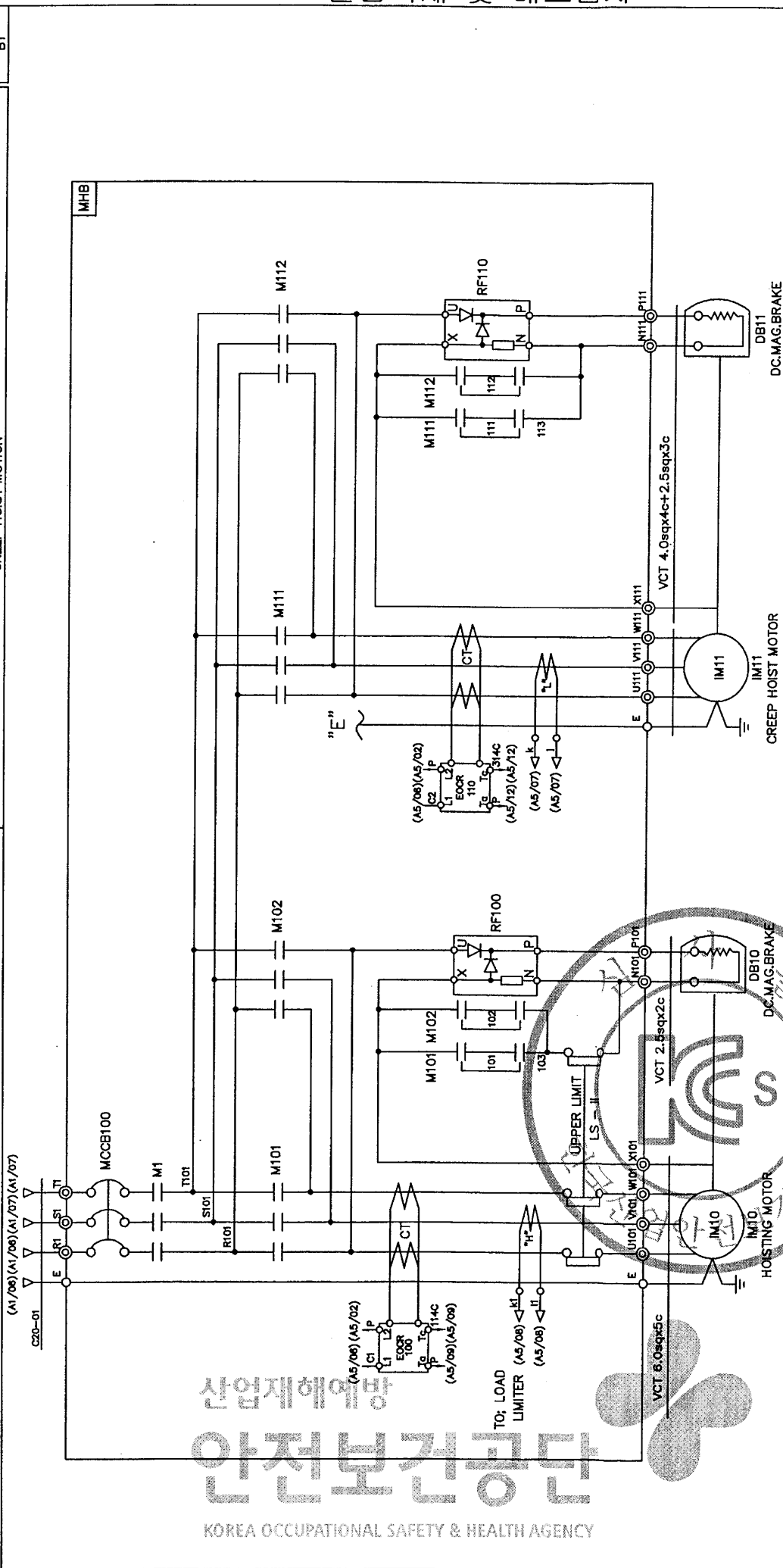
1. UPPER LIMIT LS-1LS-2의 전압 허용 전류 : AC 600V 75A
2. POWER SOURCE : AC 3φ 380V 60Hz
3. EARTH TERMINAL RESISTANCE 0.018Ω

- NOTE 1. 전선의 색상은 다음과 같다.
- 1) 흑색 : 교류 및 직류전원선
 - 2) 적색 : 교류제어선
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어피로
 - 4) 녹색 또는 노색과 황색 혼합 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
3. 제어용 전선 : 2.5mm KIV,HIV
MIN SIZE : 2.5sq
4. 제라시 다스 변경 필수임.
5. 외함 개방시 충전부분이 차단되도록 할것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCOB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DMC46C	2	HOISTING
3	M111,112	MAG. CONTACTOR	DMC22C	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DMC22C	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	380V/110V,120V 100VA	1	
12	F11,12,(13)	FUSE	1A , (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3tx20x50	1	

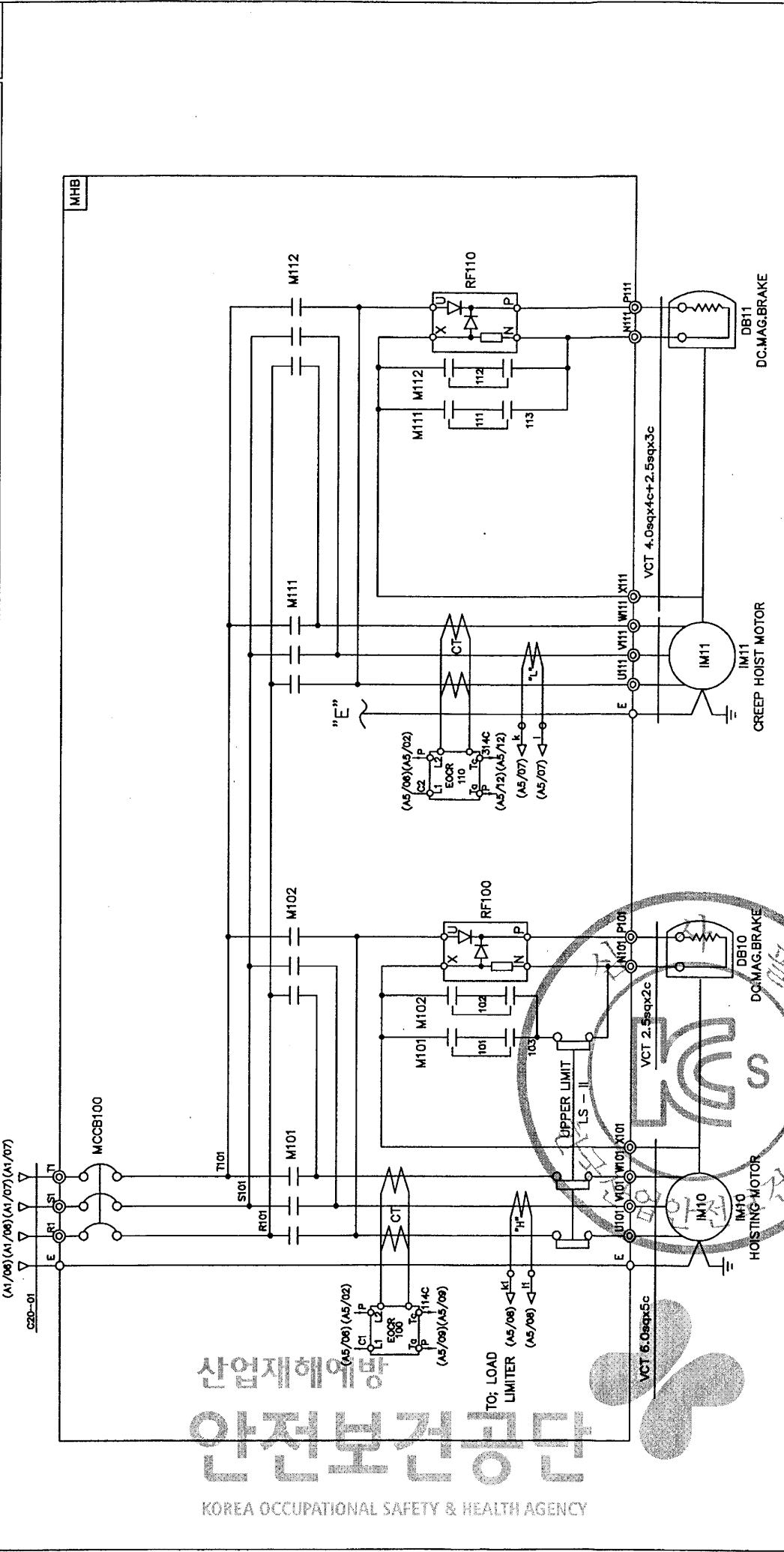
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
KDD KUK DONG HOIST CO., LTD.						KDC05BA31
DATE	REVISIONS	CHK.	APP.			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										B1									

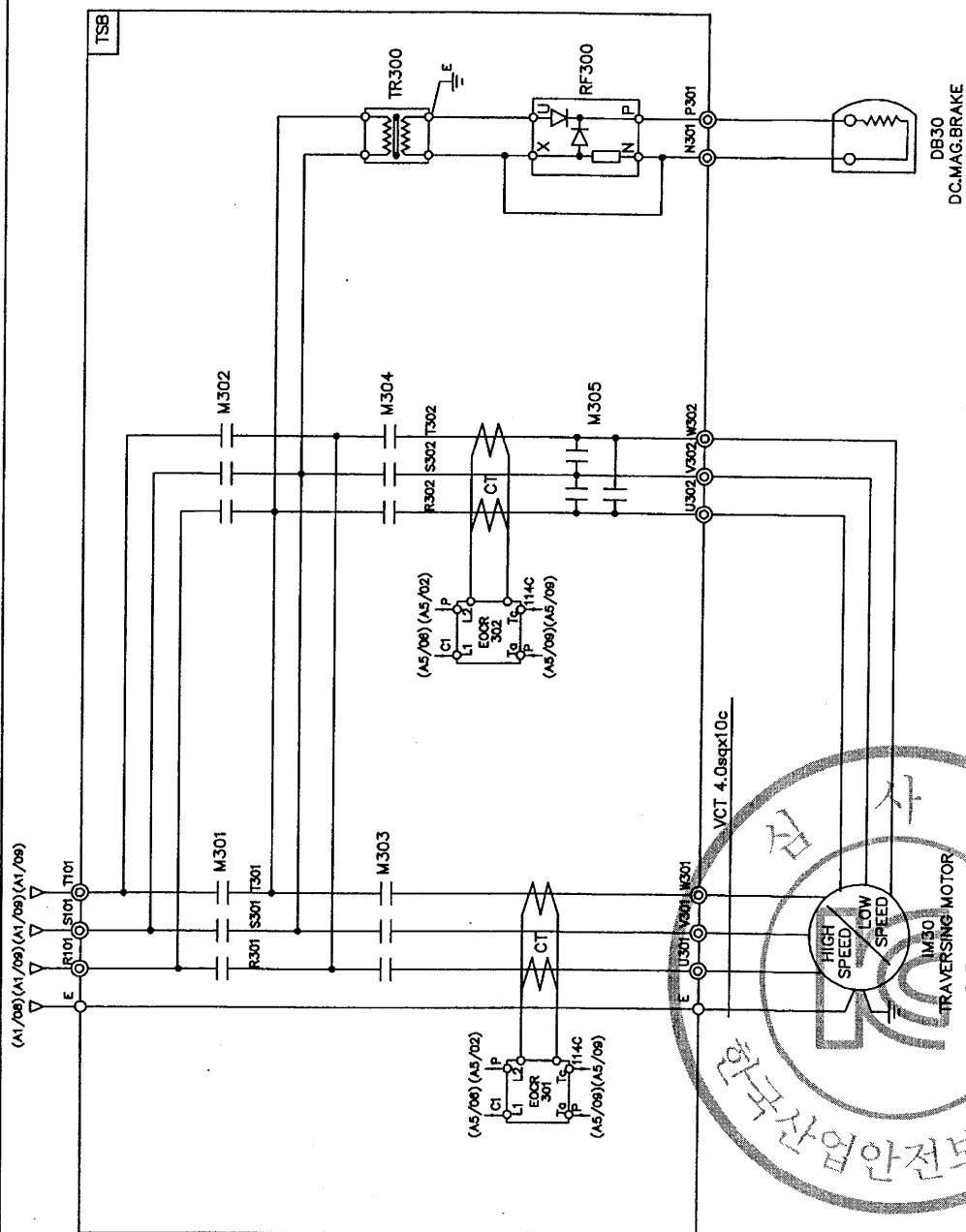


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR
DESCRIPTION	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
SELECTION MAKER	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
DATA	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
REVISIONS	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
DATE	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
CHK.	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
APP.	5TON AC 3PH 380V 60Hz	IM 10	IM 11	IM 12	IM 13	IM 14	IM 15	IM 16	IM 17	IM 18	IM 19	IM 20	IM 21	IM 22	IM 23	IM 24	IM 25	IM 26	IM 27
CREEP HOISTING POWER CONTROL CIRCUIT										DIAGRAM									
DRAWING TITLE										CREEP HOISTING POWER CONTROL CIRCUIT									
CUSTOMER										KUKDONG									
DRAWING										DONG-A									
DESIGN										KUKDONG									
CHECKED										KUKDONG									
APPROVED										KUKDONG									
SCALE										NONE									
DATE										DATE									
ORDER NO.										ORDER NO.									
DONGIL										DONGIL									
JUNGHO										JUNGHO									
CABLE										CABLE									
C20-01										C20-01									
VFC 6.0sqx4c										VFC 6.0sqx4c									
JDL-100										JDL-100									
SR-30										SR-30									
SS-05										SS-05									
AC 600V 75A										AC 600V 75A									
DMC22C										DMC22C									
DMC48C										DMC48C									
DONG-A										DONG-A									
KUKDONG										KUKDONG									
ASECO										ASECO									
JUNGHO										JUNGHO									
DATE										DATE									
NONE										NONE									
DWG. NO										DWG. NO									
KDC5E31										KDC5E31									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										MHB									
(A1/06)(A1/06)(A1/07)(A1/07)										ADR'S NO.									
B1										B1									

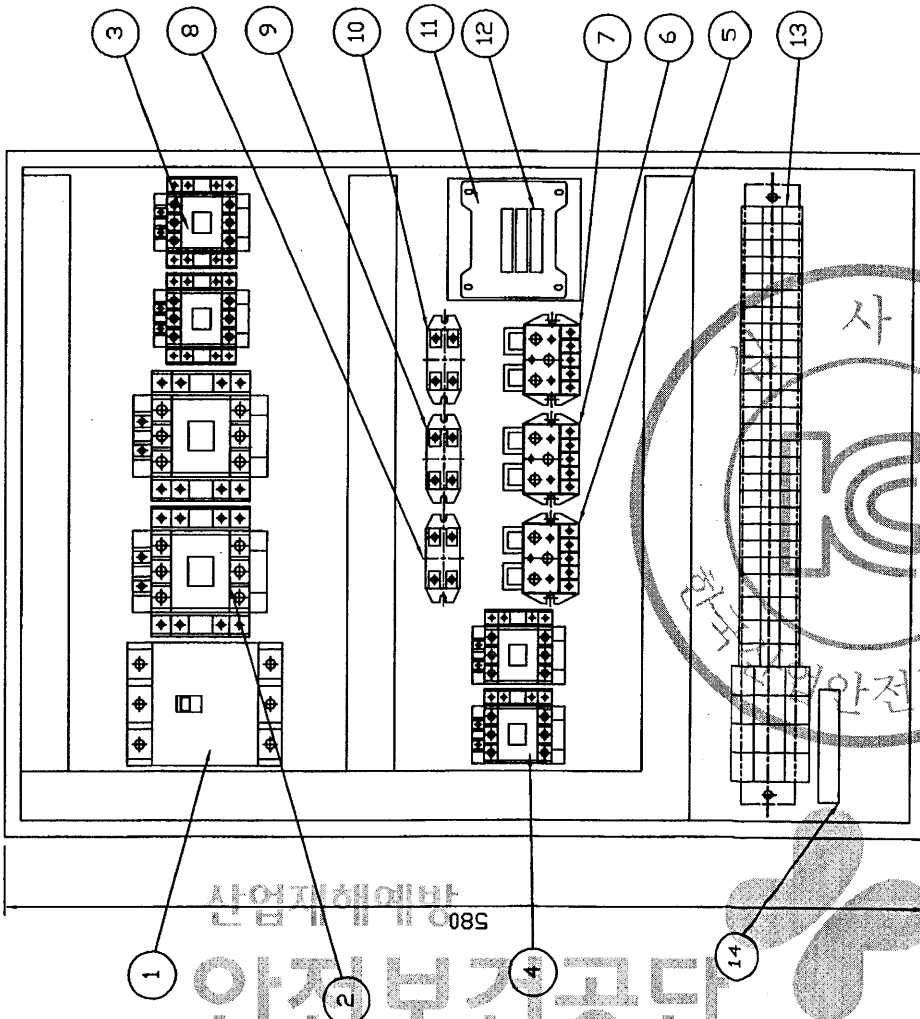


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
DESCRIPTION	HOIST	IM 10	IM 10	IM 10	IM 10	TR 1	F1, F12, F13	M101, M102	LS-I, LS-II	EOCR100	RF100	RF110	C20-01
5TON AC 3PH 380V 60Hz	5.5KW x 6P 1.0KWx6P	DC 100V	ABE-33AF/30A	DC 100V	ABE-33AF/30A	380V/110V, 120V, 100VA	1A	3A	AC 600V 75A	SS-30	SS-60	SR-30	VFCT 6.0sqx4c
SELECTION MAKER	HOISTING POWER	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
5TON AC 3PH 380V 60Hz	5.5KW x 6P 1.0KWx6P	DC 100V	ABE-33AF/30A	DC 100V	ABE-33AF/30A	380V/110V, 120V, 100VA	1A	3A	AC 600V 75A	SS-30	SS-60	SR-30	VFCT 6.0sqx4c
REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.	DWG. NO	KDC5E32
DATE													

[illegible]

ADR'S NO.

420



NOTE

1. UPPER LIMIT SWITCH 2의 점접 허용 전류, 용량 : AC 600V 75A
2. POWER SOURCE : AC 3φ 440V 60Hz
3. EARTH TERMINAL RESISTANCE 0.018Ω

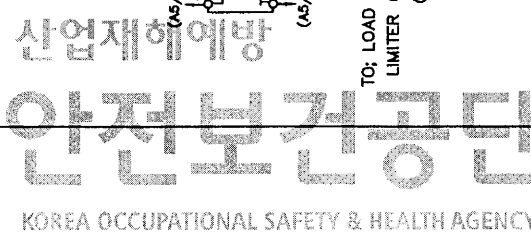


- NOTE
1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류전선선 5) 청색 : 직류제어선
2) 적색 : 교류제어선
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼합 : 접지선
 2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
 3. 제어용 전선 : 2.5mm KIV,HIV
 4. 제작성 디스크 변경 될수있음.
 5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 용전부분이 차단되도록 할것.
 - 2) 외함 개방후 용전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DMC48C	2	HOISTING
3	M111,112	MAG. CONTACTOR	DMC22C	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DMC22C	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	440V/110V,120V 100VA	1	
12	F11,12,(13)	FUSE	1A, (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3x20x50	1	

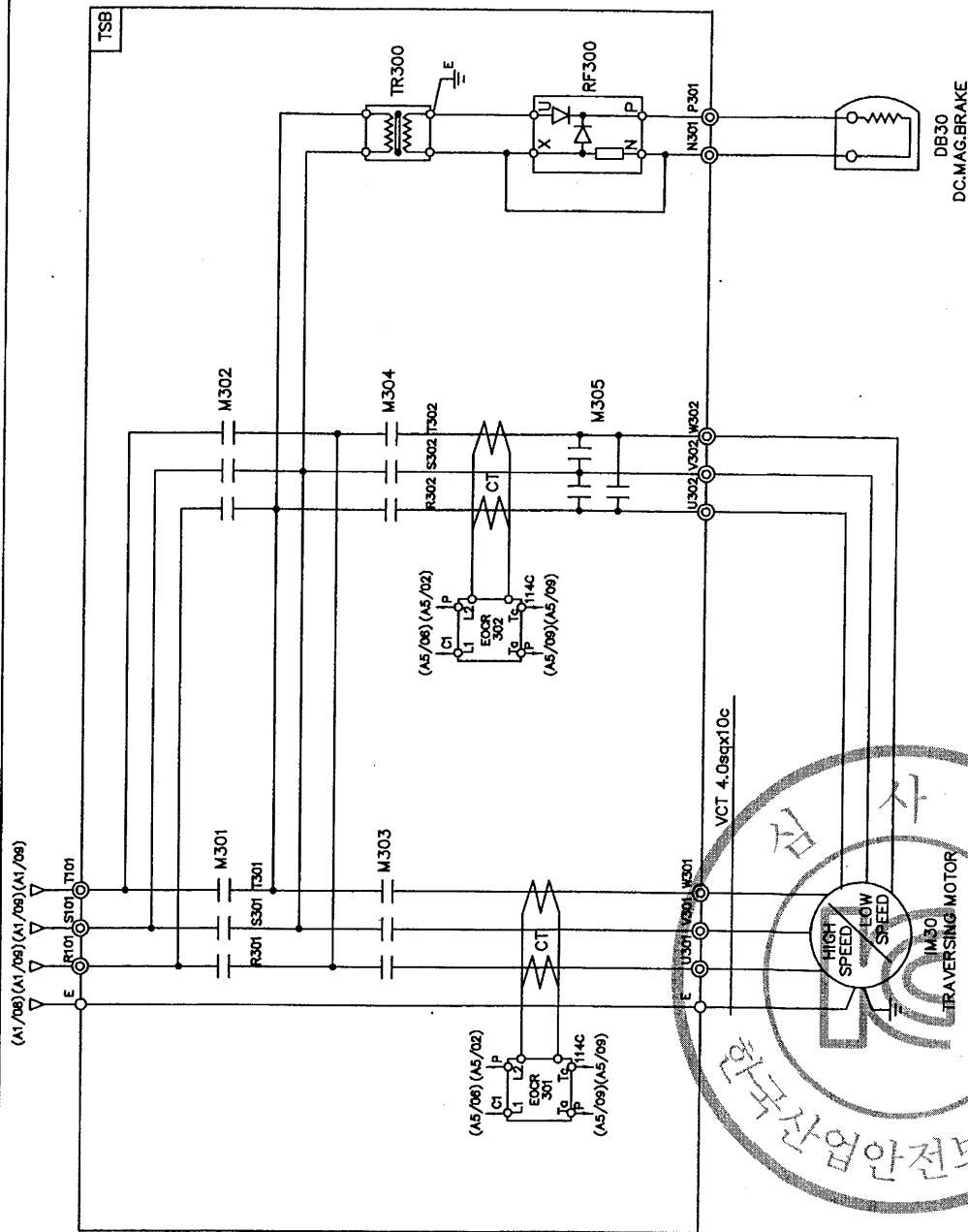
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KID KUK DONG HOIST CO., LTD.				DWG. NO	KDC05BA41	
HOIST CONTROL BOX				ARRANGEMENT DRAWING		
CUSTOMER						
DRAWING TITLE						
REVISIONS	CHK.	APP.				
DATE						

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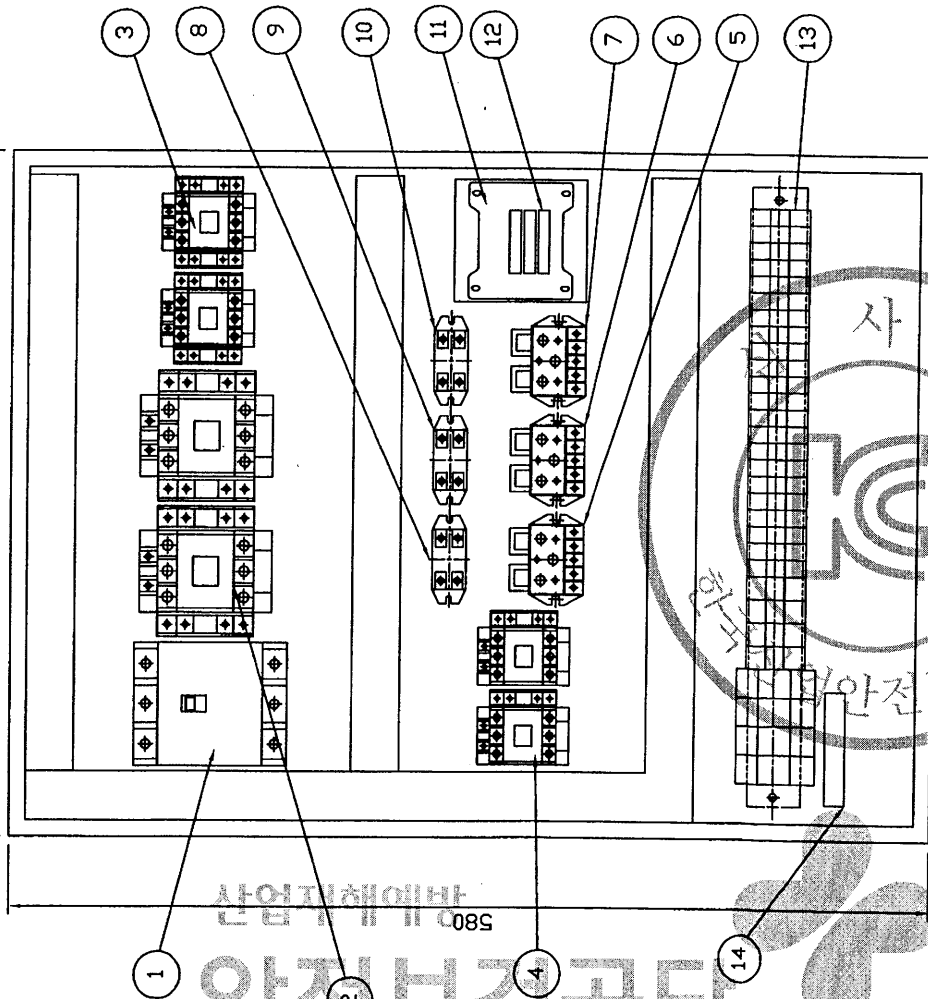


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
DESCRIPTION	HOST	IM 40	IM 11	DB10, 14	MCB100	TR 1	F11,F12 F13	M101,M102 M111,M112	LS-I, LS-II	EOCR100 EOCR110	RF100 RF110	LOAD LIMITER	C20-01
SELECTION MAKER	5TON AC 3PH 440V 60Hz	5.5KW x 6P	1.0KWX6P	DC 100V	ABE--33AF /30A	440/110V;120V;100VA	1A 3A	DMC49C DMC22C	AC 600V 75A	SS-30 SS-05	SR-60 SR-30	JDL-100 JDL-100	VFCI 6.0sqx4c
		KUKDONG			LS	SHINHAN	-	DONG-A	KUKDONG	ASECO			DONGIL
			CUSTOMER										
			DRAWING TITLE	CREEP HOISTING POWER CONTROL CIRCUIT									
				DIAGRAM									
													
				극동호이스트 주식회사 KUK DONG HOIST CO., LTD.									
				DWG. NO									
				KDC5E42									
DATE	REVISIONS	CHK.	APP.										

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER										JIT									

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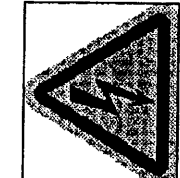


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NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DMC48C	2	HOISTING
3	M111,112	MAG. CONTACTOR	DMC22C	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DMC22C	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	460V/110V,120V 100VA	1	
12	F11,12,(13)	FUSE	1A, (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3tX20X50	1	

NOTE

- 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류전원선
2) 적색 : 교류제어선
3) 파랑색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 노색과 황색 혼합 : 접지선
- CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
- 제어용 전선 : 2.5mm KIV,HIV
- 제어시 다소 변경 될수있음.
- 외함 거방구조는 다음과 같을것.
- 외함 거방시 중전부분이 차단되도록 할것.
- 외함 거방후 중전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.



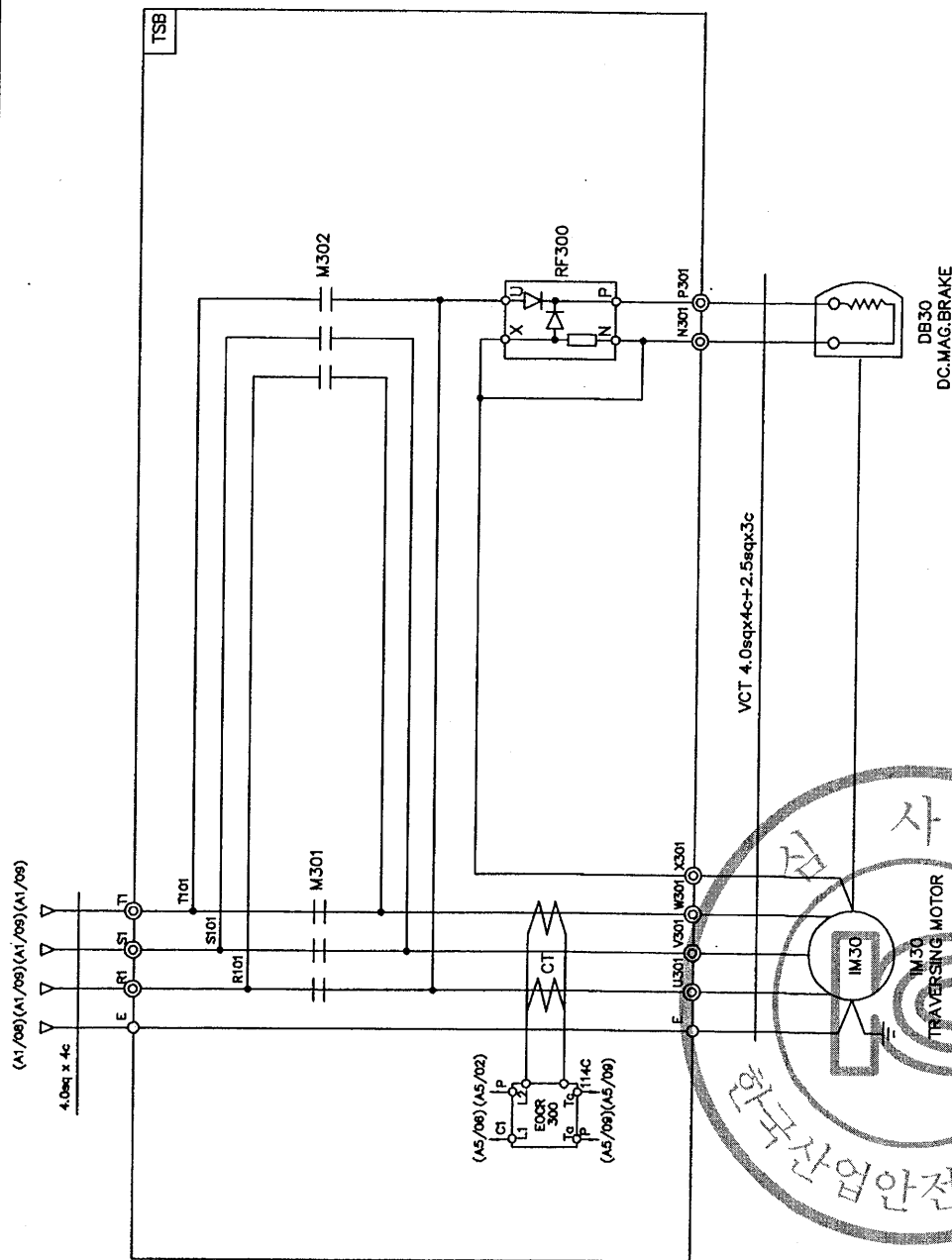
NOTE

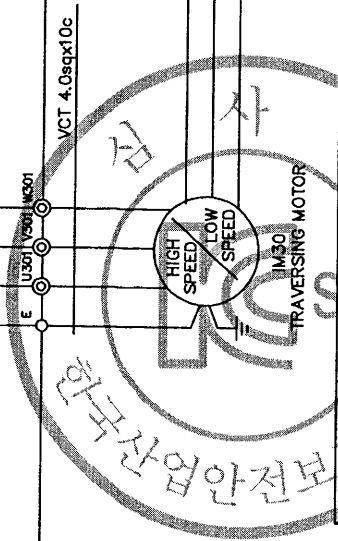
- UPPER LIMIT LS-1LS-2의 방위 하중-전류-용량 : AC 600V 75A
- POWER SOURCE : AC 3φ 460V 60Hz
- EARTH TERMINAL RESISTANCE 0.01Ω/V

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING		KUD KUK DONG HOIST CO., LTD.			DWG. NO	KDC05BA51	
CUSTOMER							
DRAWING TITLE							
REVISIONS	CHK.	APP.					
MK	DATE						

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SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR		DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
	460V	IM 30	DB30	M301, M302, M303	M304, M305	RF 300	EOCR 301,302
	0.5/0.25KWx6 /12P AC3PH 460V 60Hz	DC 100V	DC 100V	DMC22C	DMC22C	SR-30	SS-05
	460V	0.8/0.4KWx4 /8P AC3PH 460V 60Hz	DC 100V	DMC22C	DMC22C	SR-30	SS-05
SELECTION MAKER		KUKDONG		DONG-A		ASECO	
				DRAWING		DESIGN	CHECKED
		CUSTOMER		APPROVED		SCALE	DATE
		DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		NONE	
				KUKDONG호이스트 주식회사 KUK DONG HOIST CO., LTD.		DWG. NO	
REVISIONS		CHK.	APP.	DIAGRAM		KDC5E055	
DATE							
MK							



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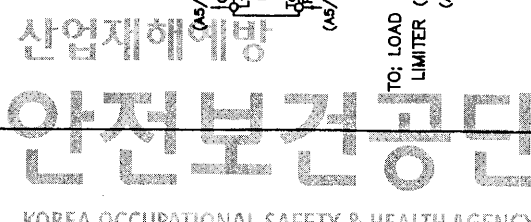
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

NOTE

1. 전선의 색상은 다음과 같다.
 - 1) 흑색 : 교류 및 직류전선
 - 2) 적색 : 교류제어선
 - 3) 파랑색 : 외부 전원에서 공급되는 컨트롤지 제어선
 - 4) 녹색 또는 녹색과 노랑 혼합 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
 - MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV/HIV
4. 제어식 디스크 변경 필수불가결함.
5. 외함 개방구는 다음과 같음.
 - 1) 외함 개방시 충전부분이 저전도도록 함.
 - 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 외함 전압 방호

- NOTE.
1. UPPER LIMIT LS-1LS-2와 같은 하중 범위 : AC 600V 75A
 2. POWER SOURCE : AC-3Ø 480V 60Hz
 3. EARTH TERMINAL RESISTANCE: 0.018Ω

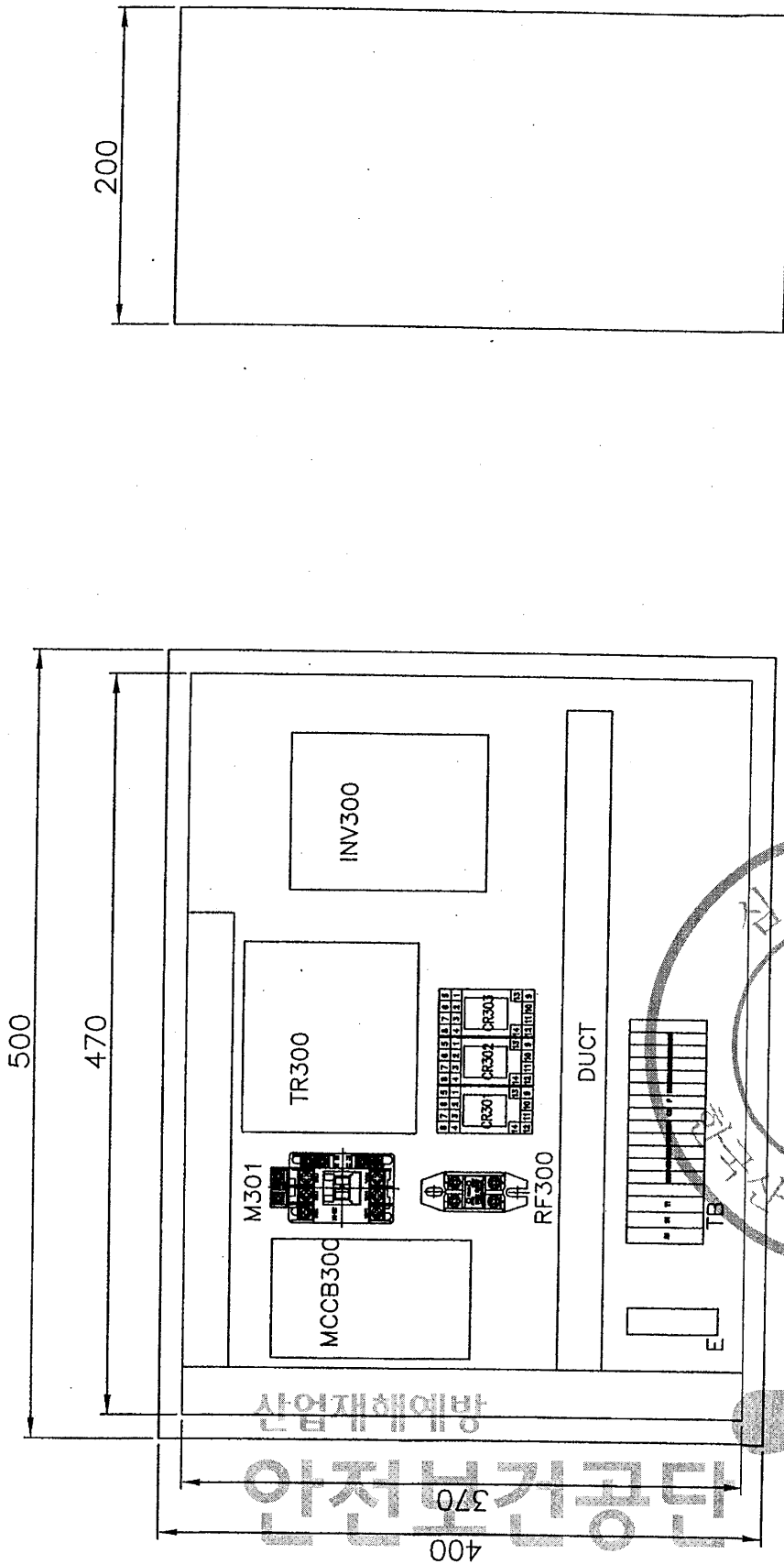
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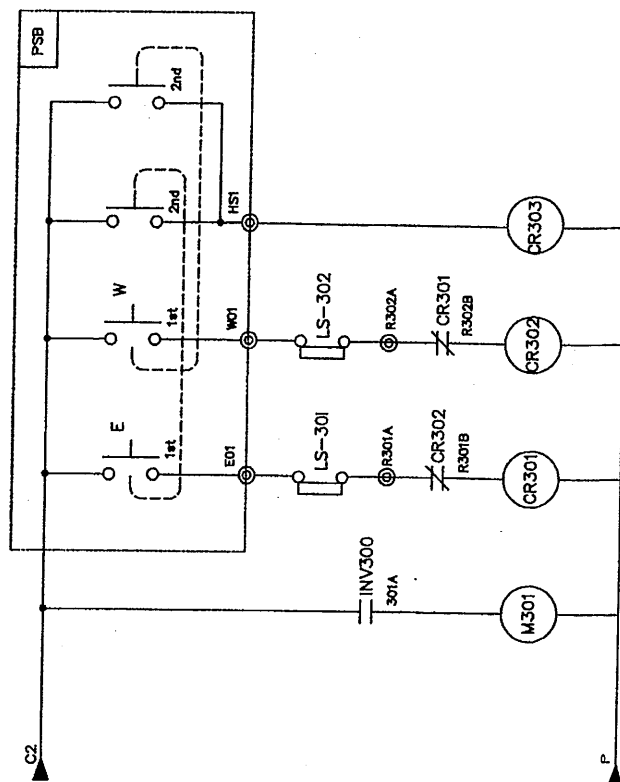
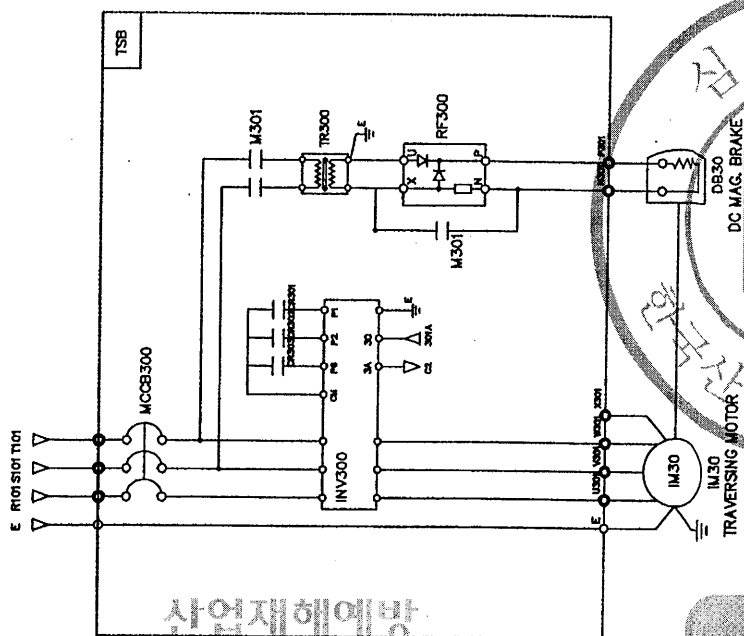
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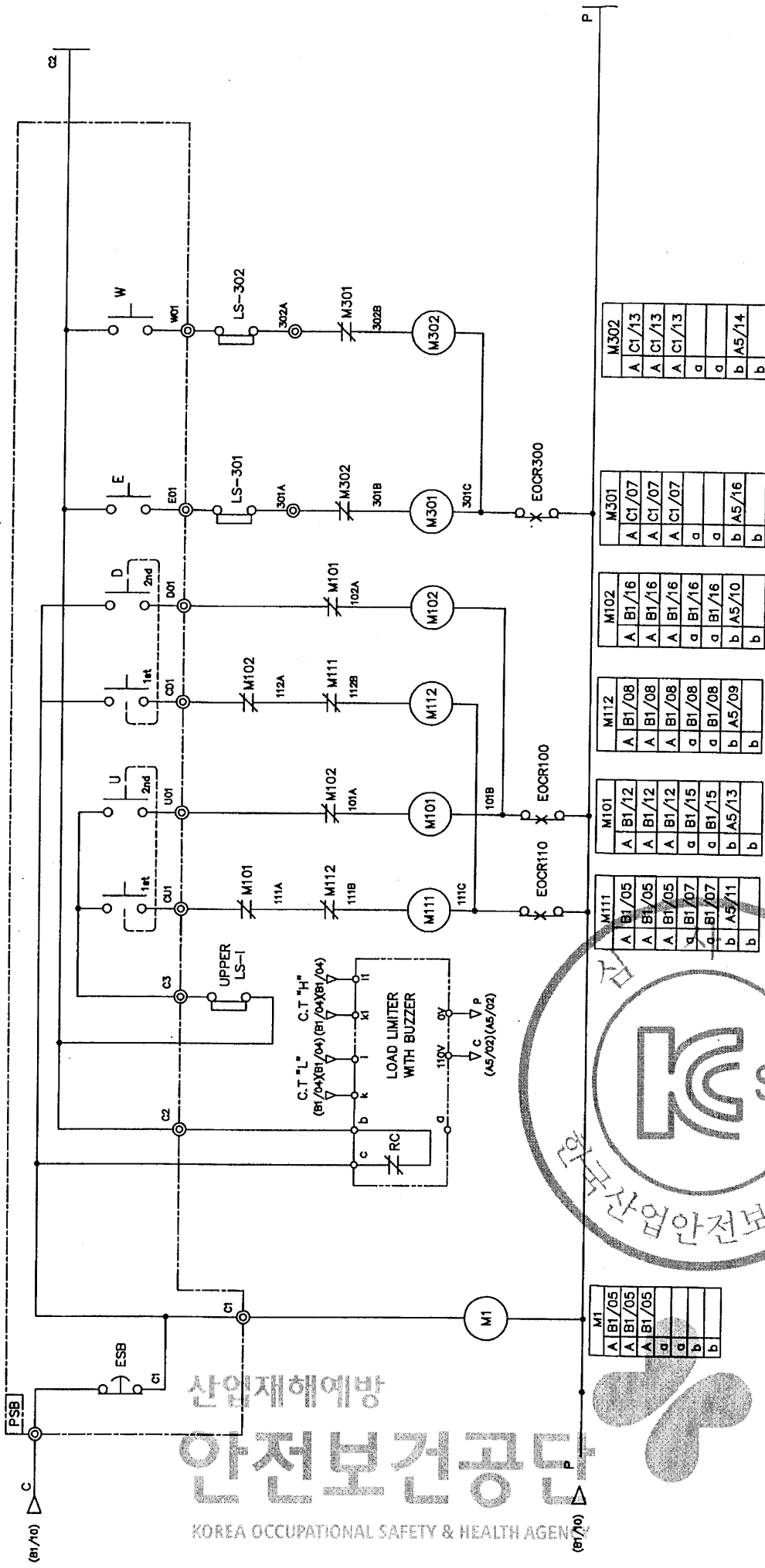
2	속판	SS400		1									
1	T/S BOX	PUR		1									
NO.	DESCRIPTION	MT'L	SUB	TOTAL	SUB	TOTAL	WEIGHT(Kg)	REMARKS.					
PROJECT			QTY		DATE		DIM						
							mm						
TITLE			T/S CONTROL PANEL(INVERTER)				SCALE	PROJECTION					
							A3/3	3rd					
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING									
 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.			SHEET No.		DWG No.		KD05EI001						

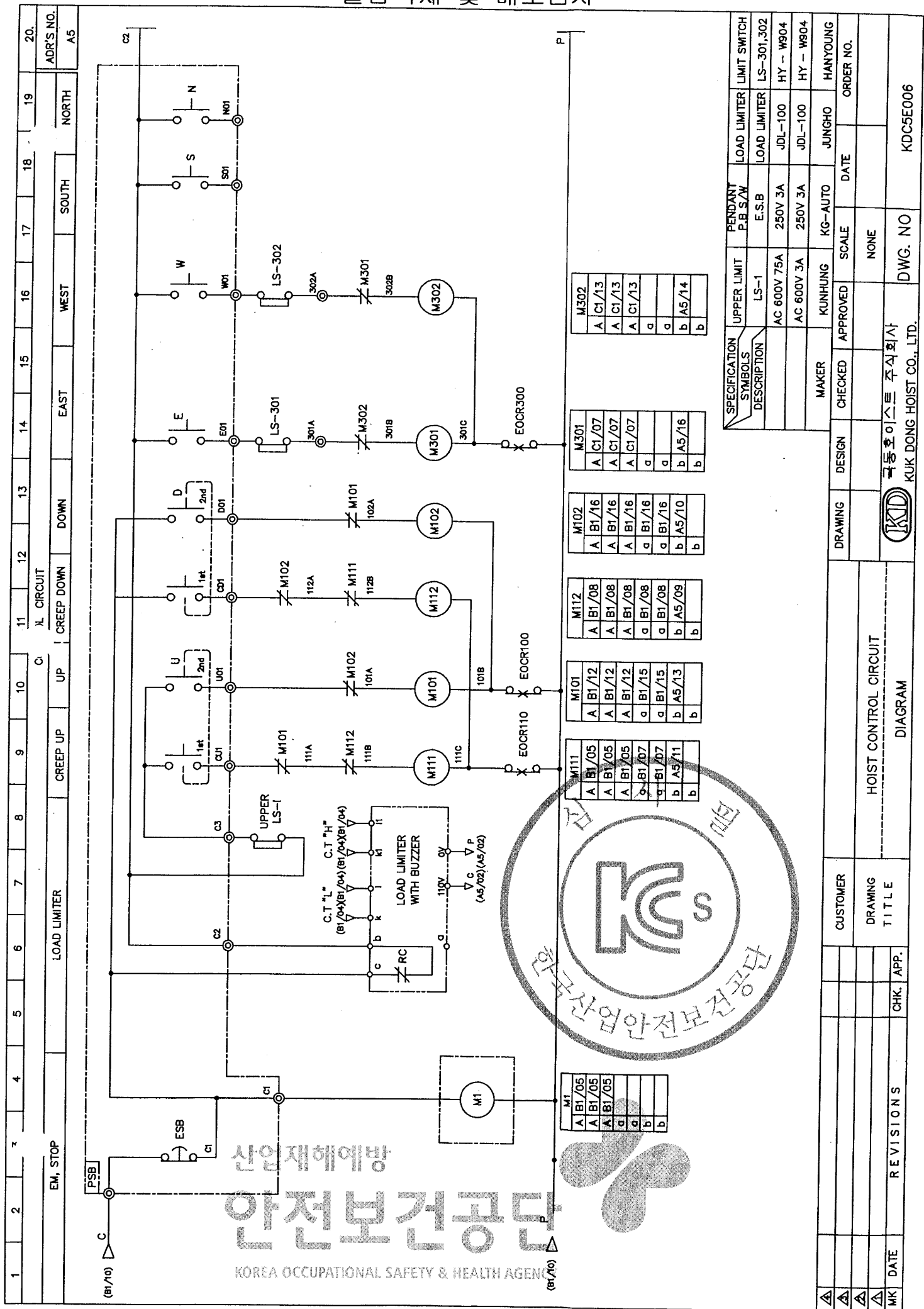
11	EARTH BUS BAR	PUR	1		
10	DUCT	PUR	1		
9	TERMINAL BLOCK	PUR	1		
8	INVERTER	PUR	1		
7	TR	PUR	1		
6	RELAY & SCOKET	PUR	1		
5	RF	PUR	1		
4	MC	PUR	1		
3	MCCB	PUR	1		



SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING POWER		TRAVERSING MOTOR	DC MAG. BRAKE	NO FLUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER							
			IM 30	DB30	MCB300	TR 300	M301	CR301,302,303	INV300	RF300							
SELECTION MAKER			AC 3PH 220V 60Hz	0.5KW x 6P	DC 100V	DBE-33AF/10AT	220/220V,200VA	DM-22C	MINI 4c4b(Coil AC110V)	SV015IG5A-2							
			AC 3PH 380/440,460,480V 60Hz	0.5KW x 6P	DC 100V	DBE-33AF/5AT	380(440,460,480)/220V,200VA	DM-22C	MINI 4c4b(Coil AC110V)	SV015IG5A-4							
KUK DONG HOIST																	
REVISIONS	DATE	MK	CHK.	APP.	CUSTOMER	INVERTER CONTROL					DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
						TRAVERSING POWER & CONTROL CIRCUIT											
						DIAGRAM											
										KUK DONG HOIST CO., LTD.					DWG. NO		KD05E1002

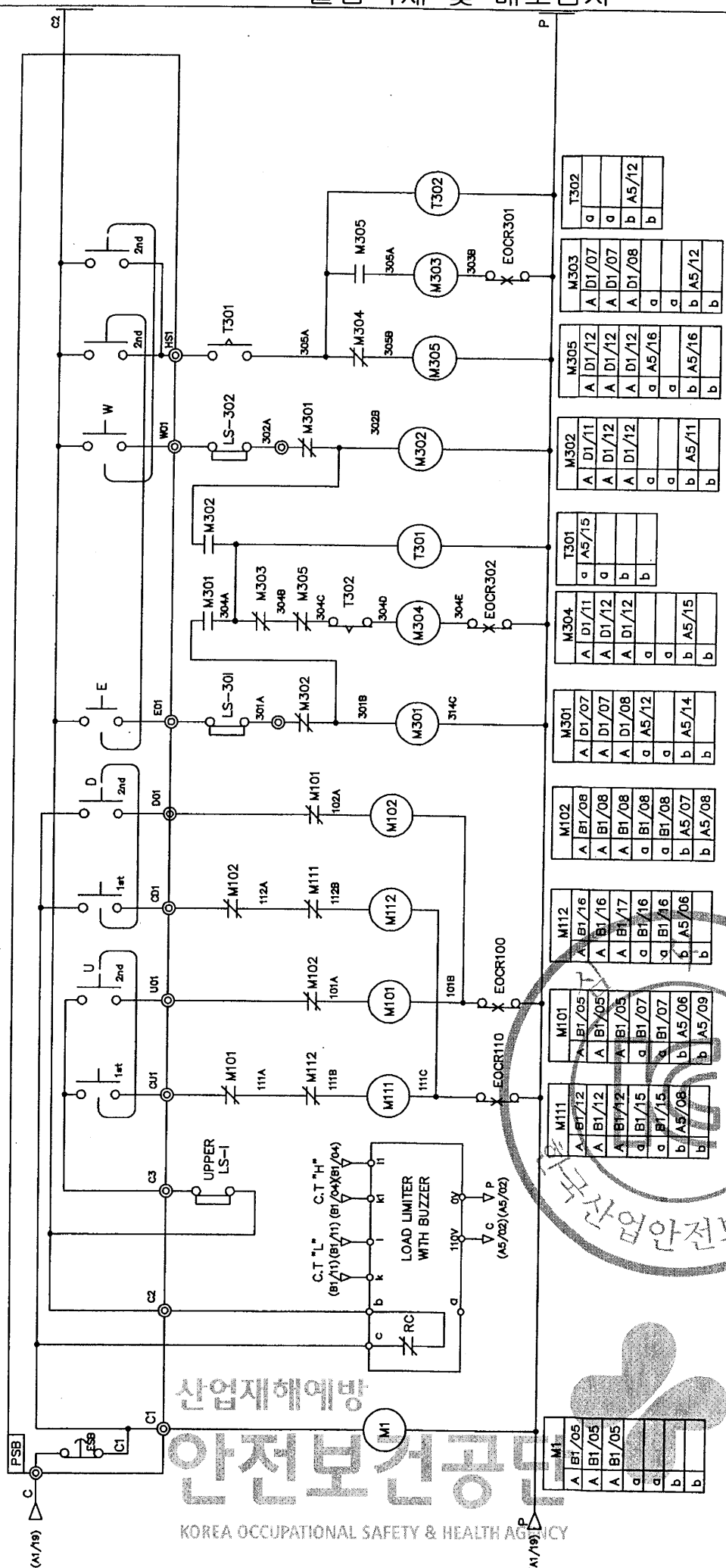
1	2		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
C. .OL CIRCUIT																			
EM, STOP		LOAD LIMITER				CREEP UP		UP	CREEP DOWN		DOWN	EAST		WEST					
																ADR'S NO.			
																A5			

[illegible]



SPECIFICATION		UPPER LIMIT	PENDANT	LOAD LIMITER	LIMIT SWITCH
SYMBOLS			P.B.S/W		
DESCRIPTION		LS-1	E.S.B	LOAD LIMITER	LS-301,302
		AC 600V 75A	250V 3A	JDL-100	HY -- W904
		AC 600V 3A	250V 3A	JDL-100	HY -- W804
MAKER		KUNHUNG	KG-AUTO	JUNGHO	HANYOUNG
CHECKED	APPROVED	SCALE	DATE	ORDER NO.	
		NONE			
이스트 주식회사		DWG. NO		KDC5E006	
G HOIST CO., LTD.					

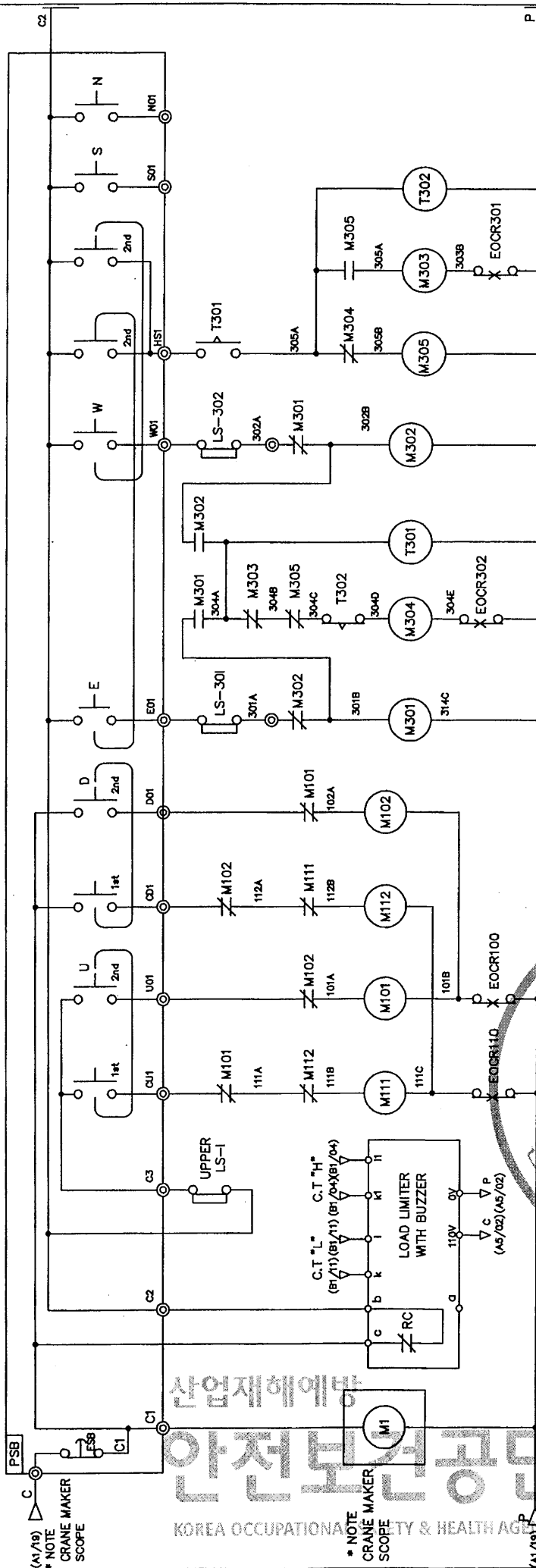
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																														
EM STOP										CONTROL										ADR'S NO.																													
LOAD LIMITER										CREEP UP										CREEP DOWN										DOWN										HIGH									
EAST-LOW										WEST-LOW										A5																													



SPECIFICATION SYMBOLS		UPPER LIMIT	PENDANT P.B. S/W	LOAD LIMITER	LIMIT SWITCH
DESCRIPTION		LS-1	E.S.B	LS-301, 302	LS-301, 302
		AC 600V 75A	250V 3A	JDL-100	HY - M904
		AC 600V 3A	250V 3A	JDL-100	HY - M904
MAKER		KUNHUNG	KG-AUTO	JEUNGHO	HANYOUNG
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
HOIST CONTROL CIRCUIT					ORDER NO.
DIAGRAM					
CUSTOMER					
DRAWING TITLE					
REVISIONS	CHK.	APP.			
DATE					
KDC5E007					

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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EM.STOP					LOAD LIMITER					CONTROL					JIT				
										EAST-LOW					WEST-LOW				
										DOWN					HIGH				
										UP					SOUTH				
										CREEP DOWN					NORTH				
										CREEP UP					A5				
										ADP'S NO.									



SYMBOLS	DESCRIPTION	UPPER LIMIT	PENDANT P.B S/W	LOAD LIMITER	LIMIT SWITCH
M101	A B1/05	A D1/12	LS-1	LS-301,302	LS-301,302
M102	A B1/08	A D1/11	AC 600V 75A	250V 3A	HY - M904
M103	A B1/05	A D1/12	AC 600V 3A	250V 3A	HY - M904
M104	A B1/05	A D1/12	KUNHUNG	KG-AUTO	JEUNGHO
M105	A B1/05	A D1/12	APPROVED	SCALE	DATE
M106	A B1/05	A D1/12	CHECKED	NONE	ORDER NO.
M107	A B1/05	A D1/12	DESIGN		
M108	A B1/05	A D1/12	DRAWING		
M109	A B1/05	A D1/12			
M110	A B1/05	A D1/12			
M111	A B1/05	A D1/12			
M112	A B1/05	A D1/12			
M113	A B1/05	A D1/12			
M114	A B1/05	A D1/12			
M115	A B1/05	A D1/12			
M116	A B1/05	A D1/12			
M117	A B1/05	A D1/12			
M118	A B1/05	A D1/12			
M119	A B1/05	A D1/12			
M120	A B1/05	A D1/12			
M121	A B1/05	A D1/12			
M122	A B1/05	A D1/12			
M123	A B1/05	A D1/12			
M124	A B1/05	A D1/12			
M125	A B1/05	A D1/12			
M126	A B1/05	A D1/12			
M127	A B1/05	A D1/12			
M128	A B1/05	A D1/12			
M129	A B1/05	A D1/12			
M130	A B1/05	A D1/12			
M131	A B1/05	A D1/12			
M132	A B1/05	A D1/12			
M133	A B1/05	A D1/12			
M134	A B1/05	A D1/12			
M135	A B1/05	A D1/12			
M136	A B1/05	A D1/12			
M137	A B1/05	A D1/12			
M138	A B1/05	A D1/12			
M139	A B1/05	A D1/12			
M140	A B1/05	A D1/12			
M141	A B1/05	A D1/12			
M142	A B1/05	A D1/12			
M143	A B1/05	A D1/12			
M144	A B1/05	A D1/12			
M145	A B1/05	A D1/12			
M146	A B1/05	A D1/12			
M147	A B1/05	A D1/12			
M148	A B1/05	A D1/12			
M149	A B1/05	A D1/12			
M150	A B1/05	A D1/12			
M151	A B1/05	A D1/12			
M152	A B1/05	A D1/12			
M153	A B1/05	A D1/12			
M154	A B1/05	A D1/12			
M155	A B1/05	A D1/12			
M156	A B1/05	A D1/12			
M157	A B1/05	A D1/12			
M158	A B1/05	A D1/12			
M159	A B1/05	A D1/12			
M160	A B1/05	A D1/12			
M161	A B1/05	A D1/12			
M162	A B1/05	A D1/12			
M163	A B1/05	A D1/12			
M164	A B1/05	A D1/12			
M165	A B1/05	A D1/12			
M166	A B1/05	A D1/12			
M167	A B1/05	A D1/12			
M168	A B1/05	A D1/12			
M169	A B1/05	A D1/12			
M170	A B1/05	A D1/12			
M171	A B1/05	A D1/12			
M172	A B1/05	A D1/12			
M173	A B1/05	A D1/12			
M174	A B1/05	A D1/12			
M175	A B1/05	A D1/12			
M176	A B1/05	A D1/12			
M177	A B1/05	A D1/12			
M178	A B1/05	A D1/12			
M179	A B1/05	A D1/12			
M180	A B1/05	A D1/12			
M181	A B1/05	A D1/12			
M182	A B1/05	A D1/12			
M183	A B1/05	A D1/12			
M184	A B1/05	A D1/12			
M185	A B1/05	A D1/12			
M186	A B1/05	A D1/12			
M187	A B1/05	A D1/12			
M188	A B1/05	A D1/12			
M189	A B1/05	A D1/12			
M190	A B1/05	A D1/12			
M191	A B1/05	A D1/12			
M192	A B1/05	A D1/12			
M193	A B1/05	A D1/12			
M194	A B1/05	A D1/12			
M195	A B1/05	A D1/12			
M196	A B1/05	A D1/12			
M197	A B1/05	A D1/12			
M198	A B1/05	A D1/12			
M199	A B1/05	A D1/12			
M200	A B1/05	A D1/12			

SYMBOLS	DESCRIPTION	UPPER LIMIT	PENDANT P.B S/W	LOAD LIMITER	LIMIT SWITCH
M101	A B1/05	A D1/12	LS-1	LS-301,302	LS-301,302
M102	A B1/08	A D1/11	AC 600V 75A	250V 3A	HY - M904
M103	A B1/05	A D1/12	AC 600V 3A	250V 3A	HY - M904
M104	A B1/05	A D1/12	KUNHUNG	KG-AUTO	JEUNGHO
M105	A B1/05	A D1/12	APPROVED	SCALE	DATE
M106	A B1/05	A D1/12	CHECKED	NONE	ORDER NO.
M107	A B1/05	A D1/12	DESIGN		
M108	A B1/05	A D1/12	DRAWING		
M109	A B1/05	A D1/12			
M110	A B1/05	A D1/12			
M111	A B1/05	A D1/12			
M112	A B1/05	A D1/12			
M113	A B1/05	A D1/12			
M114	A B1/05	A D1/12			
M115	A B1/05	A D1/12			
M116	A B1/05	A D1/12			
M117	A B1/05	A D1/12			
M118	A B1/05	A D1/12			
M119	A B1/05	A D1/12			
M120	A B1/05	A D1/12			
M121	A B1/05	A D1/12			
M122	A B1/05	A D1/12			
M123	A B1/05	A D1/12			
M124	A B1/05	A D1/12			
M125	A B1/05	A D1/12			
M126	A B1/05	A D1/12			
M127	A B1/05	A D1/12			
M128	A B1/05	A D1/12			
M129	A B1/05	A D1/12			
M130	A B1/05	A D1/12			
M131	A B1/05	A D1/12			
M132	A B1/05	A D1/12			
M133	A B1/05	A D1/12			
M134	A B1/05	A D1/12			
M135	A B1/05	A D1/12			
M136	A B1/05	A D1/12			
M137	A B1/05	A D1/12			
M138	A B1/05	A D1/12			
M139	A B1/05	A D1/12			
M140	A B1/05	A D1/12			
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M148	A B1/05	A D1/12			
M149	A B1/05	A D1/12			
M150	A B1/05	A D1/12			
M151	A B1/05	A D1/12			
M152	A B1/05	A D1/12			
M153	A B1/05	A D1/12			
M154	A B1/05	A D1/12			
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M166	A B1/05	A D1/12			
M167	A B1/05	A D1/12			
M168	A B1/05	A D1/12			
M169	A B1/05	A D1/12			
M170	A B1/05	A D1/12			
M171	A B1/05	A D1/12			
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M173	A B1/05	A D1/12			
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M176	A B1/05	A D1/12			
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M178	A B1/05	A D1/12			
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M180	A B1/05	A D1/12			
M181	A B1/05	A D1/12			
M182	A B1/05	A D1/12			
M183	A B1/05	A D1/12			
M184	A B1/05	A D1/12			
M185	A B1/05	A D1/12			
M186	A B1/05	A D1/12			
M187	A B1/05	A D1/12			
M188	A B1/05	A D1/12			
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M190	A B1/05	A D1/12			
M191	A B1/05	A D1/12			
M192	A B1/05	A D1/12			
M193	A B1/05	A D1/12			
M194	A B1/05	A D1/12			
M195	A B1/05	A D1/12			
M196	A B1/05	A D1/12			
M197	A B1/05	A D1/12			
M198	A B1/05	A D1/12			
M199	A B1/05	A D1/12			
M200	A B1/05	A D1/12			

산업재해예방

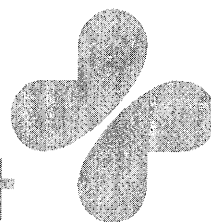
안전보건공단

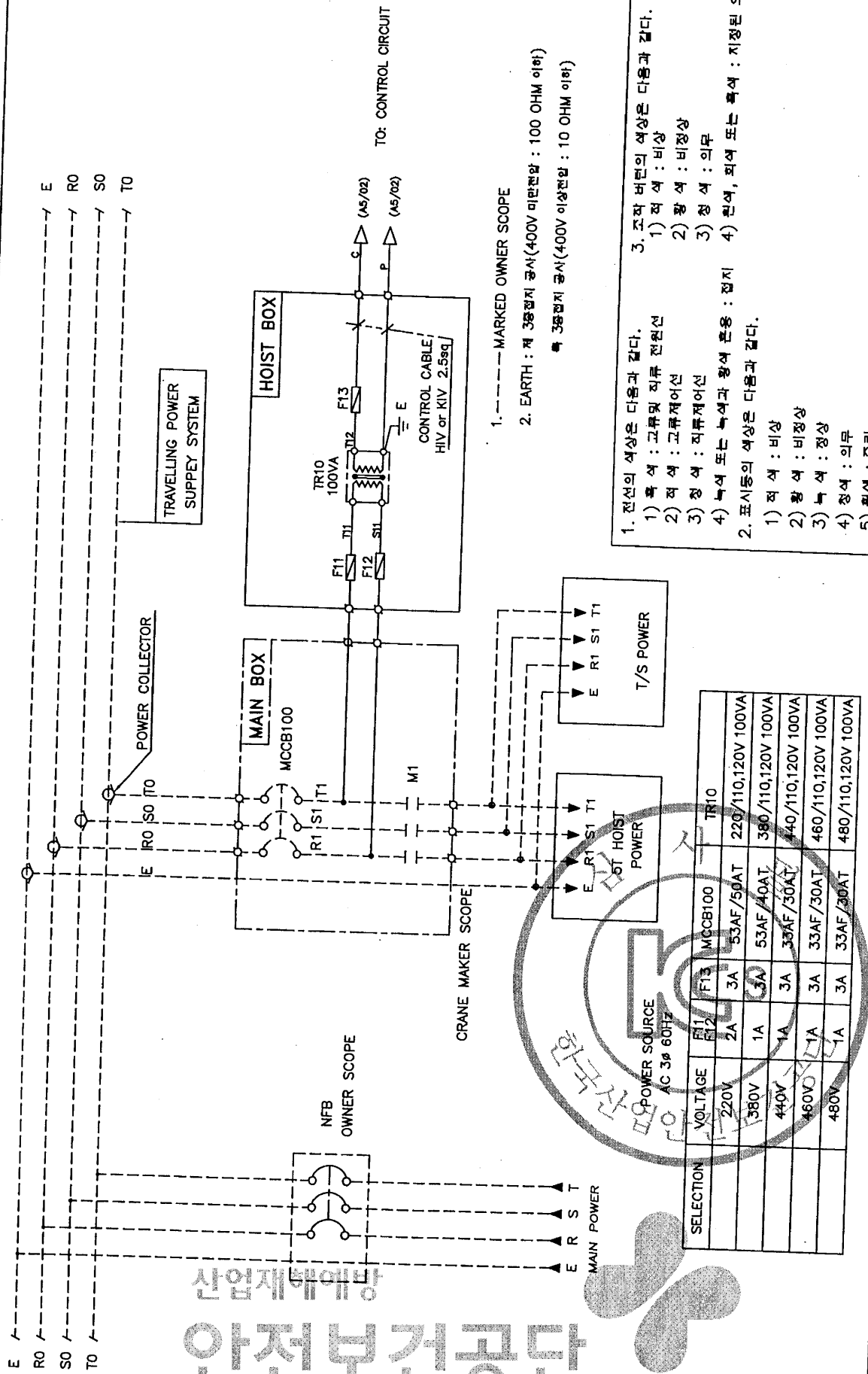
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

(KDC5 - L6, 9, 12 - DL(INVERTER))



산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY





1. --- MARKED OWNER SCOPE
 2. EARTH : 제 3종접지 공시(400V 미만전압 : 100 OHM 이하)
 제 3종접지 공시(400V 이상전압 : 10 OHM 이하)

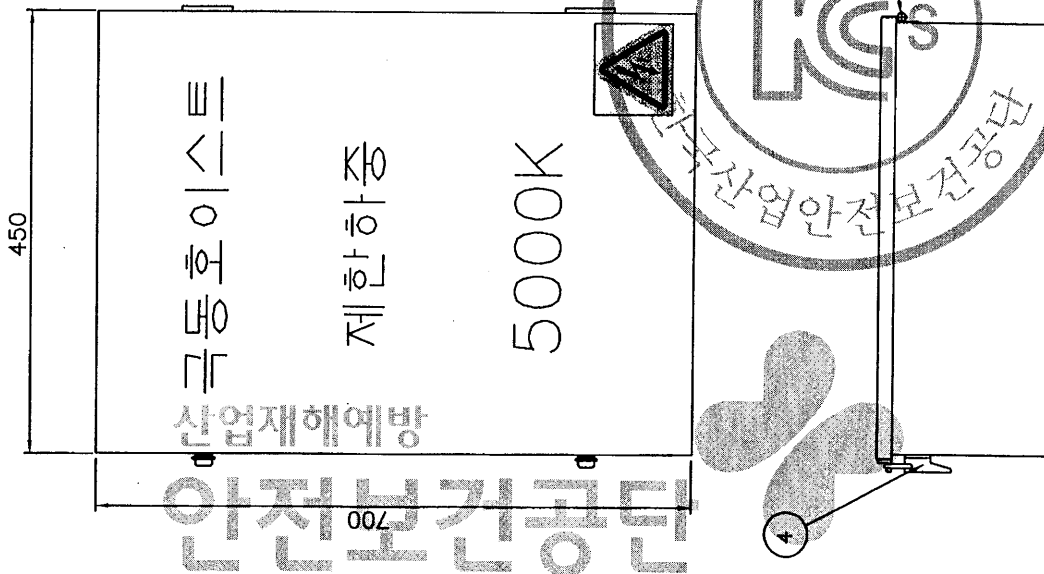
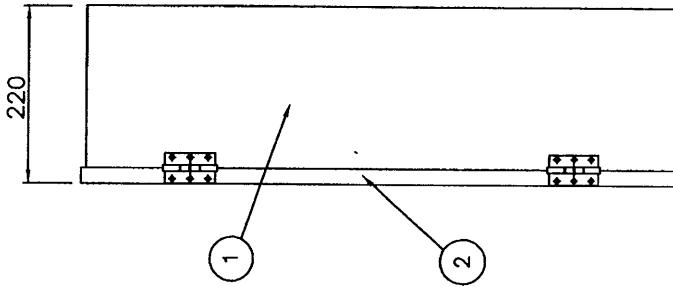
1. 전선의 색상은 다음과 같다.
 1) 흑색 : 교류 및 직류 전원선
 2) 적색 : 교류 제어선
 3) 청색 : 직류 제어선
 4) 녹색 또는 녹색과 황색 혼용 : 접지
 2. 표시등의 색상은 다음과 같다.
 1) 적색 : 비상
 2) 황색 : 비정상
 3) 녹색 : 정상
 4) 청색 : 의무
 5) 흰색 : 중립
3. 조작 버튼의 색상은 다음과 같다.
 1) 적색 : 비상
 2) 황색 : 비정상
 3) 청색 : 의무
 4) 흰색, 회색 또는 흑색 : 지정된 의미없음

SELECTION	VOLTAGE	F1	F2	F3	MCB100	TR10
	220V	2A	3A	53AF/50AT	220/110,120V 100VA	
	380V	1A	3A	53AF/40AT	380/110,120V 100VA	
	440V	1A	3A	33AF/30AT	440/110,120V 100VA	
	460V	1A	3A	33AF/30AT	460/110,120V 100VA	
	480V	1A	3A	33AF/30AT	480/110,120V 100VA	

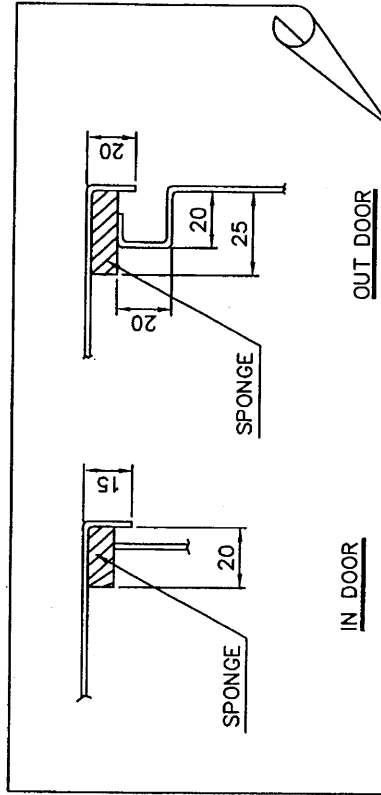
산업재해예방
안전보건공단
 KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
					NONE		
KDK 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.							DWG. NO
							KDC5E001-1
CUSTOMER							
DRAWING TITLE		MAIN POWER CIRCUIT 1					
REVISIONS		DIAGRAM					
DATE	CHK.	APP.					

NO	DESCRIPTION	MT'L	REMARKS
1	PANEL CASE	SPC	1.6t
2	PANEL COVER	SPC	1.6t
3	HINGE	PUR'	
4	CLAMP	PUR'	
5	SPONGE	PUR'	



KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



NOTE

1.PROTECTION DEGREE ;

A. INDOOR TYPE : DUST PROOF

B. OUT DOOR TYPE : SPLASH PROOF

2.FINAL PAINTING COLOR (MUNSELL NO.)

A. IN SIDE : 10B 3/5

B. OUT SIDE : 10B 3/5

3.PAINTING THICKNESS : ABOVE 40 U

4.APPLICATION VOLTAGE : 220V,380V,440V,460V,480V

5. BOX INSIDE CONTROL CABLE : 2.5sq KIV. HIV

6. 외함 개방 구조는 다음과 같다.

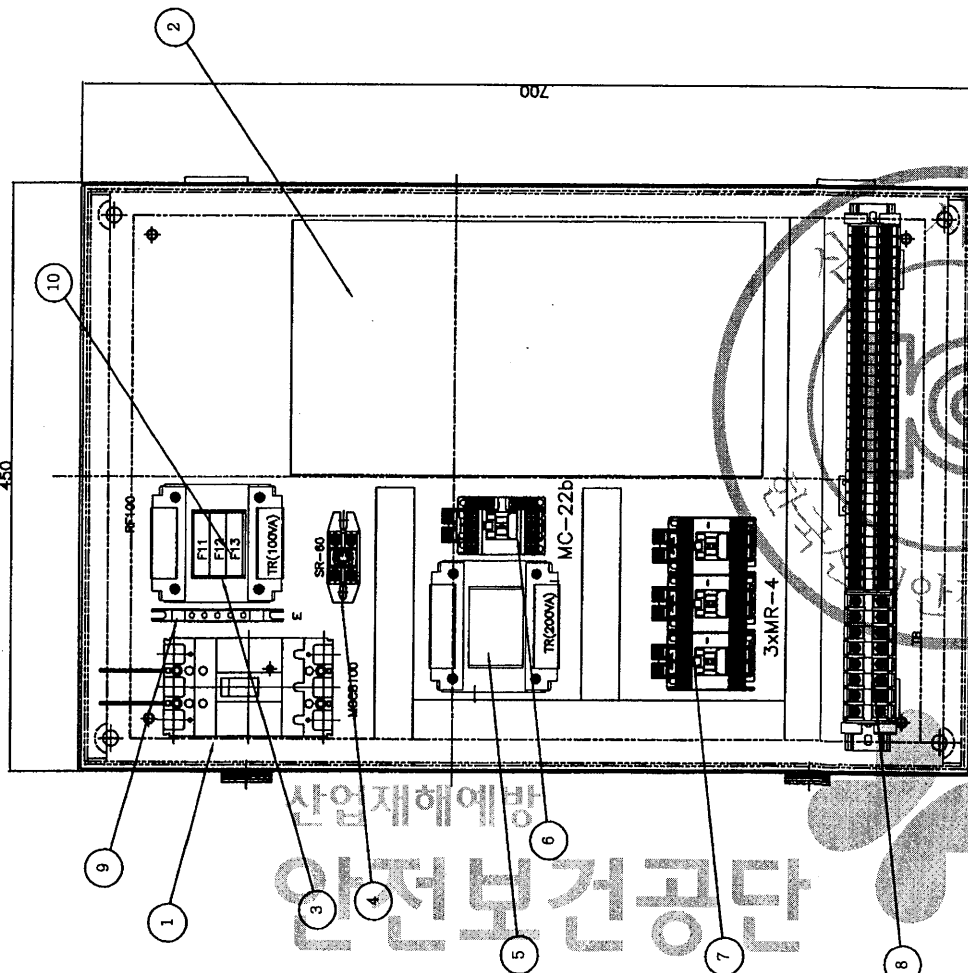
1) 외함 개방시 충전부분이 차단되도록 한다.

2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의

외함 전속 방호가 되어있을것.

KID	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.	APP	CHK	DOWN	SHEET NO	QTY	PROJECT	DL 5TON(INVERTER)	HOIST CONTROL BOX	FIG NO
		LAY OUT DRAWING								KDC5EB001-1

ADR'S NO.

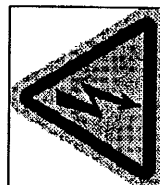


NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	53AF/40AT	1	HOISTING
2	INV100	INVERTER	SOHO11VD4Y	1	HOISTING
3	TR1	TRANSFORMER	220V/110V, 120V 100VA	1	
4	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
5	TR2	TRANSFORMER	220V/220V 200VA	1	
6	MC1	MAG. CONTACTOR	MC-22b	1	
7	CR101~3	MAG. CONTACTOR	MR-4	1	
8		TERMINAL BLOCK	35A, 15A	1	
9		EARTH TERMINAL	3x20x50	1	
10	F11,12,(13)	FUSE	2A, (3A)	2(1)	

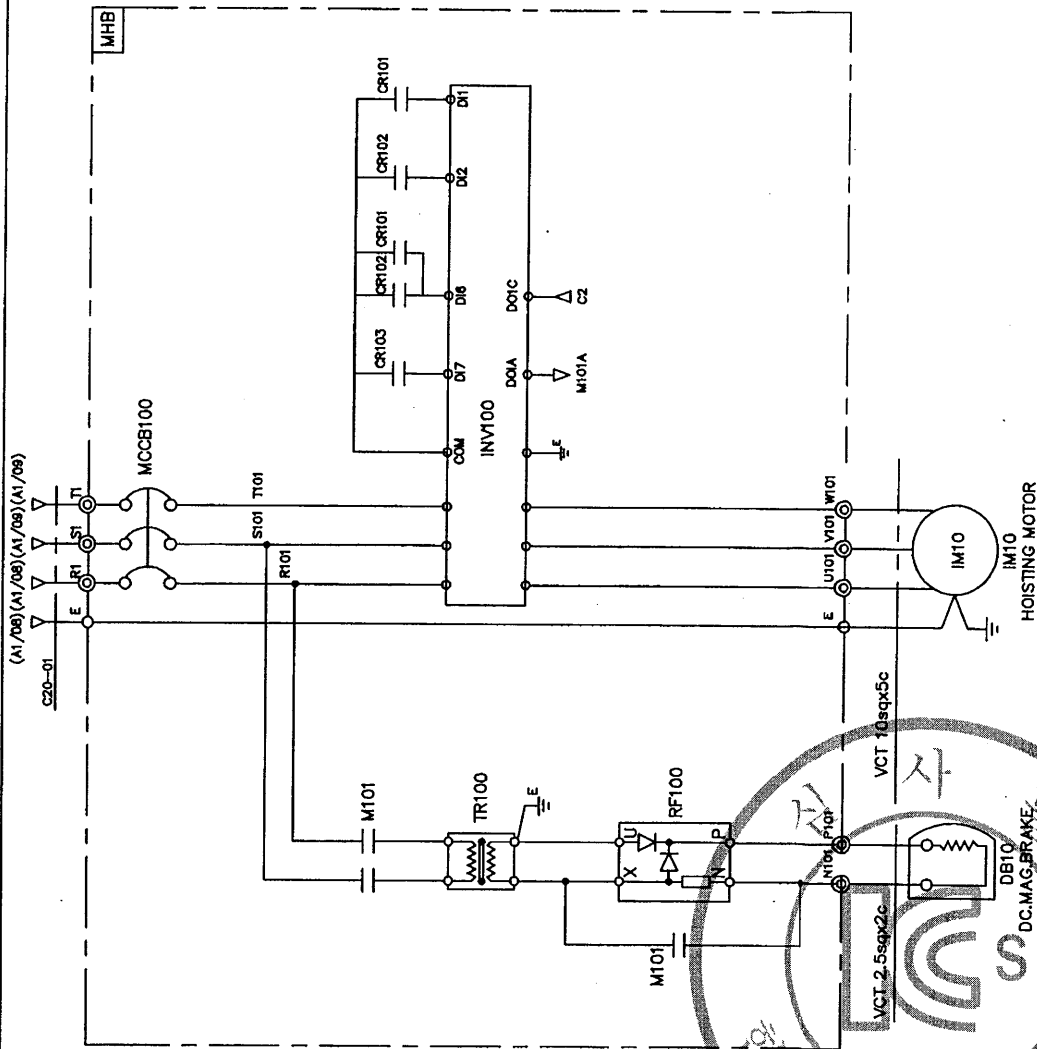
- NOTE
1. 전선의 색상은 다음과 같다.
 2. 색 : 교류전선
 3. 색 : 교류전선
 4. 색 : 교류전선
 5. 색 : 교류전선
2. CABLE MATERIAL : KIV OR EQUIVALENT
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제어시 다소 변경 될수있음.
5. 외함 개방시 충전부분이 차단되도록 함.
- 1) 외함 개방시 충전부분이 차단되도록 함.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 격리 접촉 방호가 되어있음.

NOTE

1. UPPER LIMIT LS-1,LS-2의 설정 허용 전류 : AC 600V 75A
2. POWER SOURCE : AC 3ø 220V 60Hz
3. EARTH TERMINAL RESISTANCE 0.01Ω



DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
KUK DONG HOIST CO., LTD.						KDC05BA21
MK	DATE	REVISIONS	CHK.	APP.		



SPECIFICATION	HOISTING POWER		HOISTING MOTOR	DC/MAC BRAKE	NO FUSE BREAKER	TRANSFORMER	MAGNET CONTACTOR	CONTROL RELAY	UPPER LIMIT	SILICON RECTIFIER	INVERTER	CABLE
	SYMBOLS	DESCRIPTION	IM 10	DB10	MCCB100	TR100	M101	CR101~103	LS-I, LS-II	RF100	INV100	C20-01
SELECTION	5TON AC 3PH 220V 60Hz		5.5KW x 6P	DC 100V	ABE-53AF /50A	440/220V,200VA	MC-22b	MR-4	AC 600V 75A	SR-60	SOHO11VD2Y	VFCT 10sqx4c
MAKER			KUKDONG		LS	SHINHAN	LS		KUKDONG	ASECO	SEOHO	DONGIL
			CUSTOMER									
			DRAWING TITLE		HOISTING POWER CONTROL CIRCUIT							
MK	DATE	REVISIONS	CHK.	APP.								
								극동호이스트 주식회사 KUK DONG HOIST CO., LTD.		DWG. NO		KDC5E21

(A1/10) (A1/11) (A1/11) (A1/11)

VCT 4sqx4c

MCCB300

TSB

S301 T301

R301

M301

TR300

RF300

M301

INV300

P1

P2

P3

CM

3C

3A

E

U301 V301 W301

IM30

IM30 TRaversing Motor

VCT 4.0sqx4c+2.5sqx3e

DB30

DC MAG. BRAKE

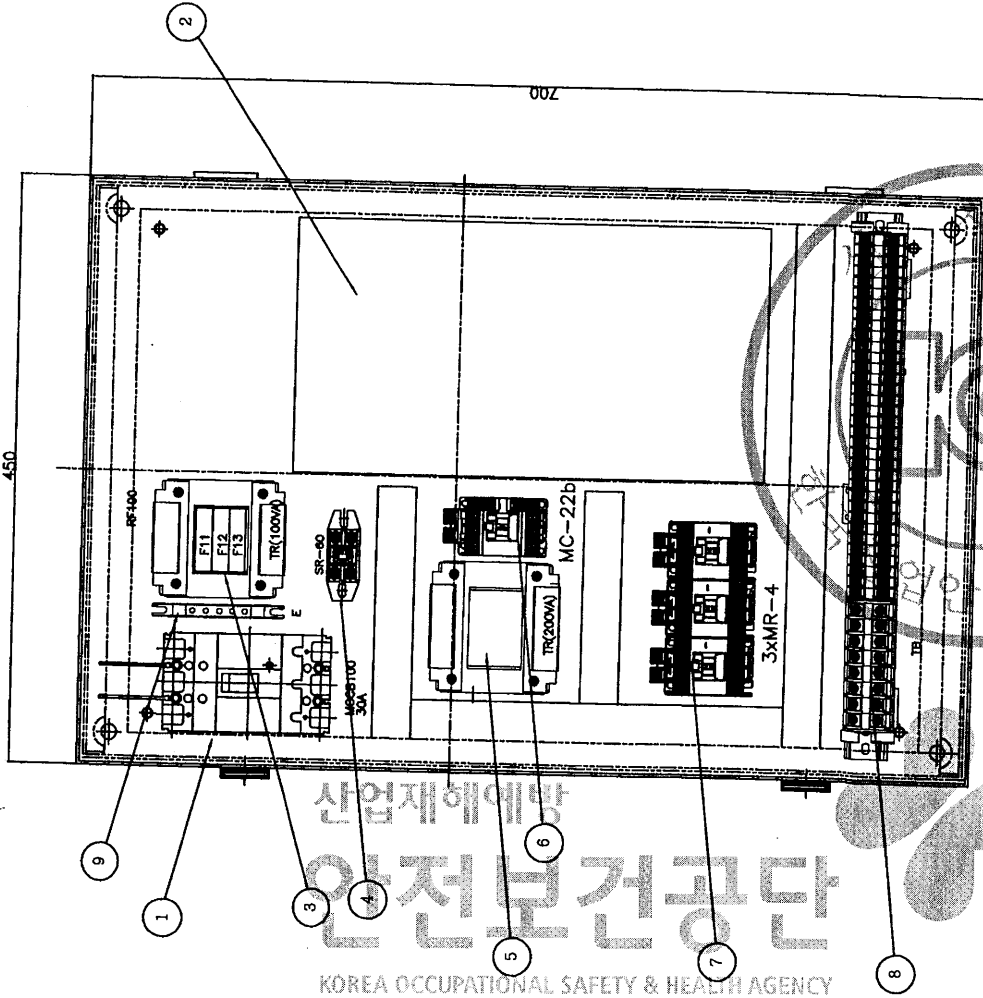
KCS

한국산업안전보건공단

산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			

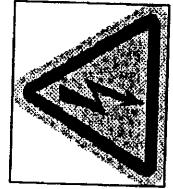


NO	SYMBOL	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	INV100	INVERTER	SOHO11VD4Y	1	HOISTING
3	TR1	TRANSFORMER	380V/110V, 120V 100VA	1	
4	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
5	TR2	TRANSFORMER	380V/220V 200VA	1	
6	MC1	MAG. CONTACTOR	MC-22b	1	
7	CR101~3	MAG. CONTACTOR	MR-4	1	
8		TERMINAL BLOCK	35A, 15A	1	
9		EARTH TERMINAL	3tx20x50	1	
10	F11,12,(13)	FUSE	2A, (3A)	2(1)	

NOTE

1. 전선의 색상은 다음과 같다.
 1) 흑색 : 교류 및 직류전선
 2) 적색 : 교류제어선
 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 4) 녹색 또는 녹색과 황색 혼합 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
 MIN SIZE : 2.5sq
 MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV, HIV
4. 제라시 다소 변형 될수있음.
5. 외함 개방구로는 다음과 같을것.

- 1) 외함 개방시 용접부분이 차단되도록 할것.
- 2) 외함 개방후 용접되어있는 부분은 IP2X 이상의 적절한 접속 방호가 되어있을것.



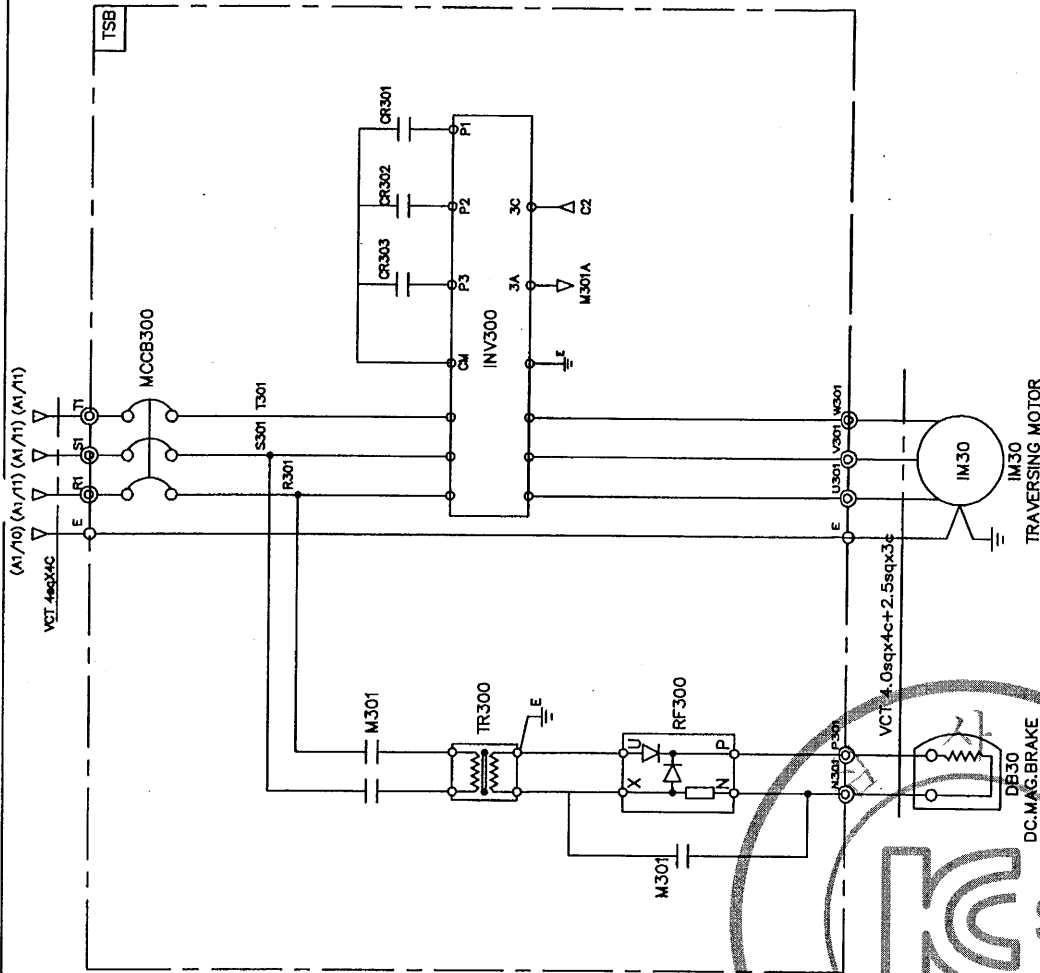
NOTE

1. UPPER LIMIT LS-1, LS-2의 변형 허용 전류 용량 : AC 600V 75A
2. POWER SOURCE : AC 3φ 380V 60Hz
3. EARTH TERMINAL RESISTANCE 0.018Ω

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING		국동호이스트 주식회사 KUK DONG HOIST CO., LTD.			DWG. NO	KDC05BA31	
CUSTOMER							
DRAWING TITLE							
REVISIONS	CHK.	APP.					
DATE							

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POWER CIRCUIT
TRAVERSING MO'

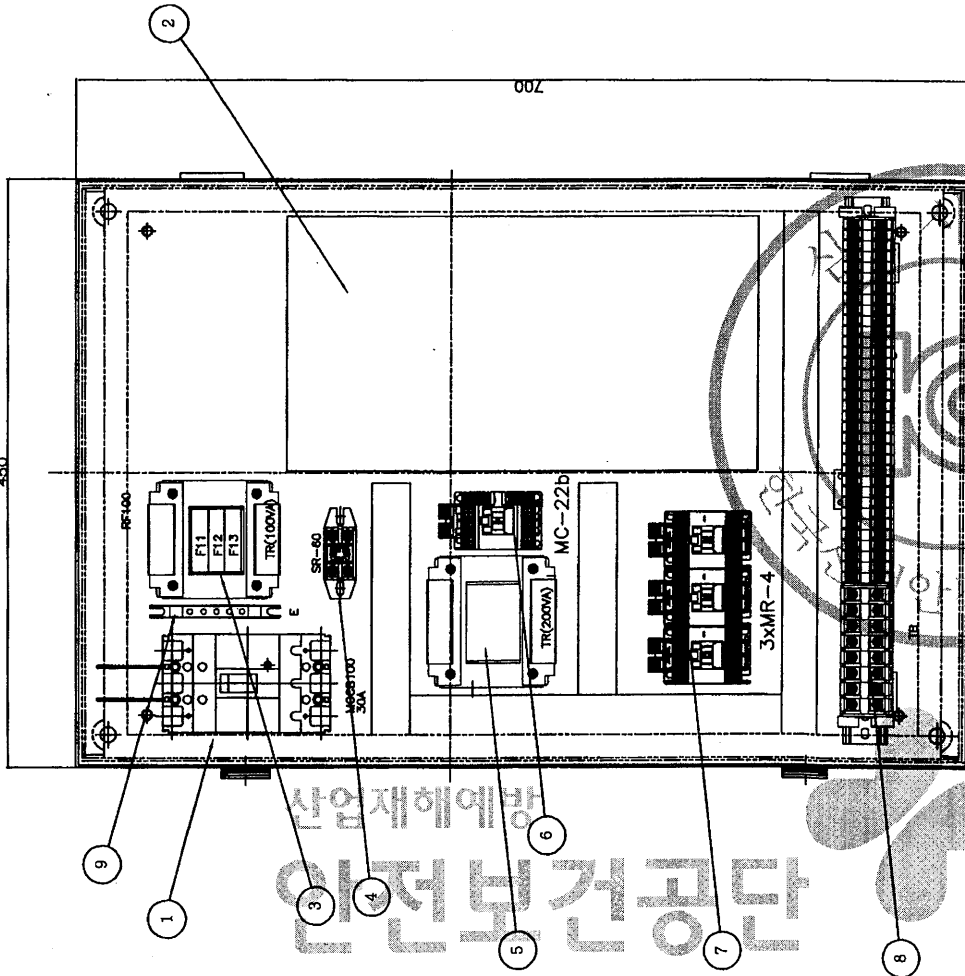


SPECIFICATION	TRAVERSING POWER	TRAVERSING MOTOR	DC.MAG. BRAKE	NO.FUSE BREAKER	TRANSFORMER	MAGNET CONTACTOR	CONTROL RELAY	SILICON RECTIFIER	INVERTER	LIMIT SWITCH
SYMBOLS	TRAVERSING POWER	IM 30	DB 30	MCCB300	TR 300	M301	CR301, 302, 303	RF300	INV300	LS301, 302
DESCRIPTION	AC 3PH 440V 60Hz	0.5KWx6P	DC 100V	ABE-33AF/20A	380/220V/200VA	MC-22b	MINI 4c4b(Coil AC110V)	SR-30	SV015GSA-4	KG-L001
SELECTION										
MAKER	KUKDONG				SHINHAN	LS		ASECO	LS	KG AUTO
CUSTOMER										
DRAWING TITLE	TRAVERSING POWER CONTROL CIRCUIT									
REVISIONS	CHK.	APP.								
DATE										
MK										
DWG. NO	KDC5E32									
ORDER NO.										



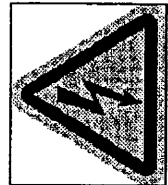
국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DIAGRAM



NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	INV100	INVERTER	SOH011VD4Y	1	HOISTING
3	TR1	TRANSFORMER	440V/110V, 120V 100VA	1	
4	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
5	TR2	TRANSFORMER	440V/220V 200VA	1	
6	MC1	MAG. CONTACTOR	MC-22b	1	
7	CR101~3	MAG. CONTACTOR	MR-4	1	
8		TERMINAL BLOCK	35A, 15A	1	
9		EARTH TERMINAL	3x20x50	1	
10	F11,12,(13)	FUSE	2A, (3A)	2(1)	

- NOTE**
- 전선의 색상은 다음과 같다.
1) 황색 : 교류 및 교류전원선 5) 황색 : 교류제어선
2) 적색 : 교류제어선
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
 - CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
 - 제어용 전선 : 2.5mm KIV/HIV
 - 제어시 다소 변경 될수있음.
 - 외함 개방시 충전부분이 차단되도록 할것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

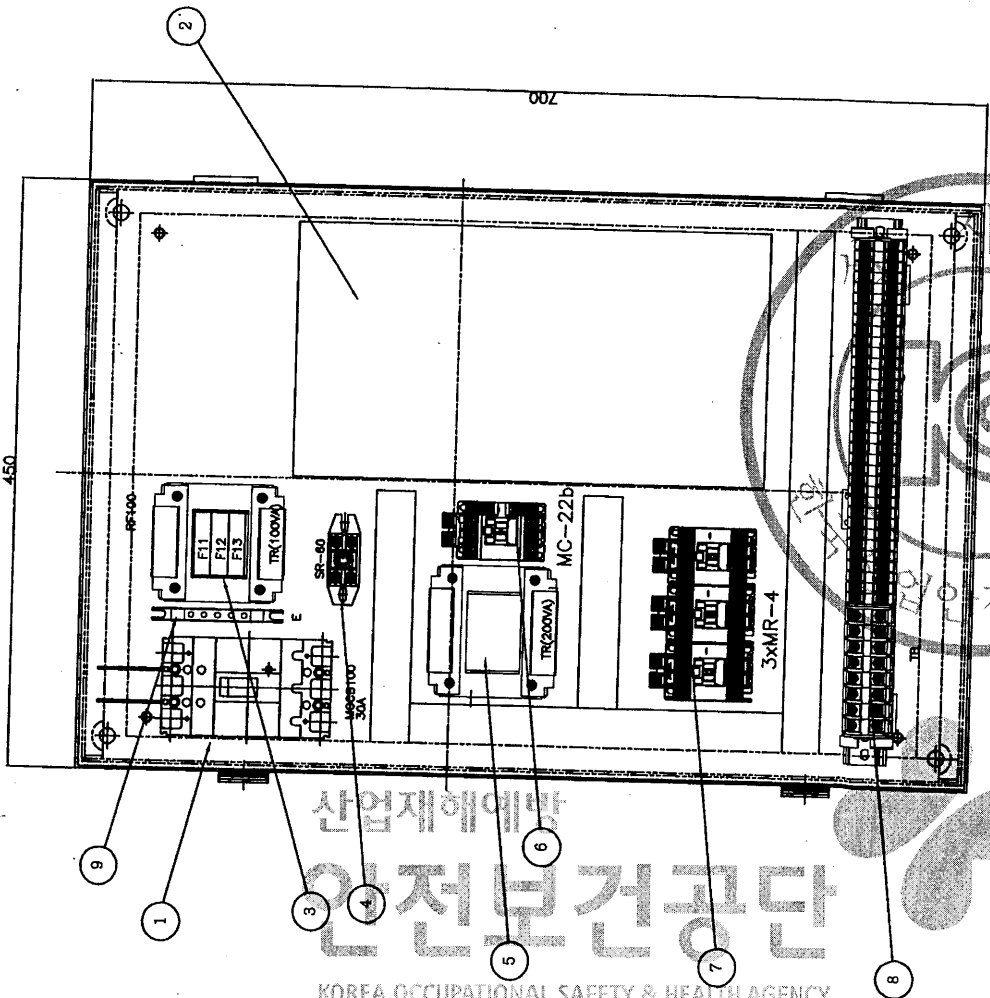


- NOTE**
- UPPER LIMIT LS-JLS-2의 전원 하용 전류 : 용량 : AC 600W/75A
 - POWER SOURCE : AC 3Φ 440V 60Hz
 - EARTH TERMINAL RESISTANCE 0.018Ω

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUD KUK DONG HOIST CO., LTD.						KDC05BA41
HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
CUSTOMER	DRAWING	TITLE	CHK.	APP.	REVISIONS	DATE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRaversing Motion																			
ADR'S NO.																			

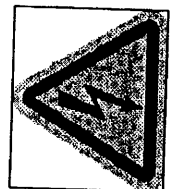
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	INV100	INVERTER	SOHO11VD4Y	1	HOISTING
3	TR1	TRANSFORMER	460V/110V, 120V 100VA	1	
4	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
5	TR2	TRANSFORMER	460V/220V 200VA	1	
6	MC1	MAG. CONTACTOR	MC-22b	1	
7	CR101~3	MAG. CONTACTOR	MR-4	1	
8		TERMINAL BLOCK	35A, 15A	1	
9		EARTH TERMINAL	3t x 20 x 50	1	
10	F11, 12, (13)	FUSE	2A, (3A)	2(1)	

NOTE

- 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 교류전원선
2) 적색 : 교류 제어선
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼합 : 접지선
- CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
- 제어용 전선 : 2.5mm KIV, HIV
- 제어시 다스 변경 필수있음.
- 외함 개방시 충전부분이 차단되도록 할것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 차단 접촉 방호가 되어있을것.



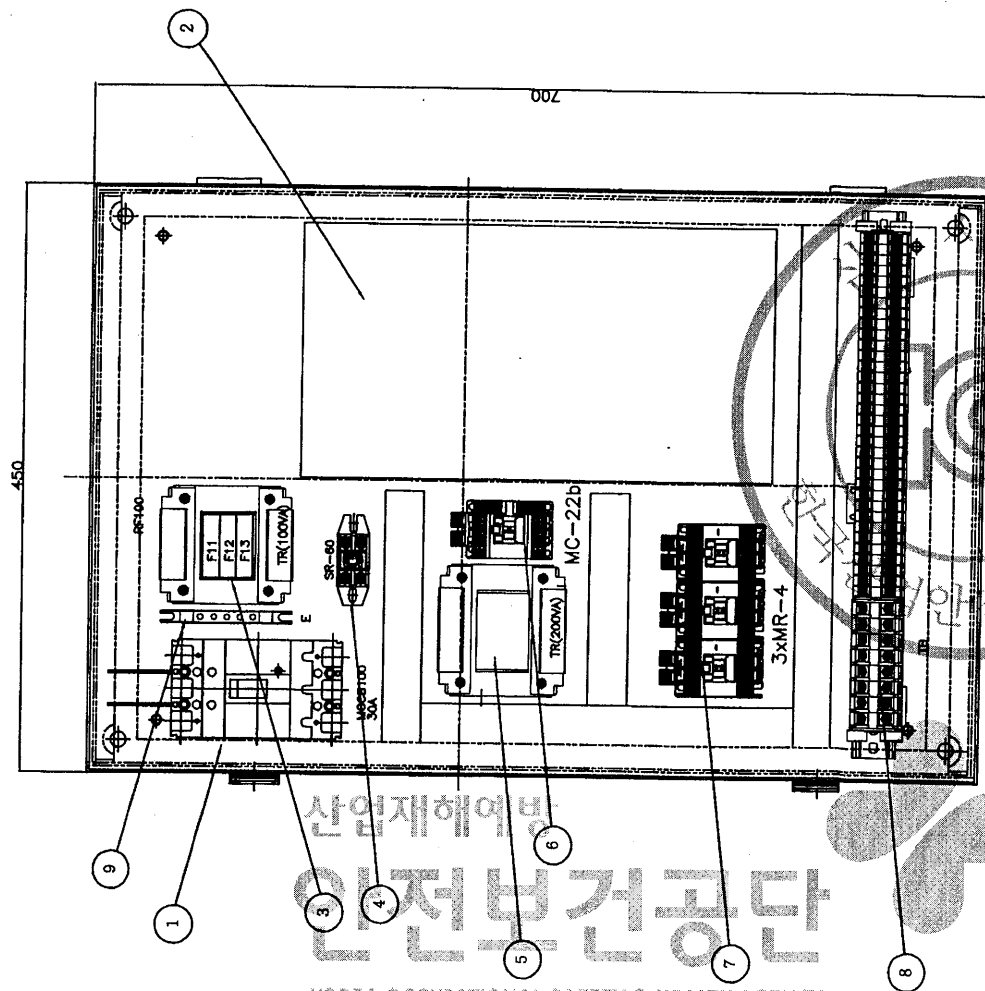
- NOTE**
- UPPER LIMIT LS-1, LS-2의 정전 허용 전류. 용량 : AC 600V 75A
 - POWER SOURCE : AC 3φ 460V / 60Hz
 - EARTH TERMINAL RESISTANCE 0.018Ω

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING		KDK			KUK DONG HOIST CO., LTD.		KDC05BA51
CUSTOMER							
DRAWING TITLE							
DATE	REVISIONS	CHK.	APP.				

산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

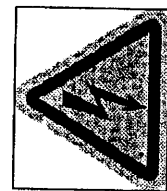
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER C T																			
HOISTING MOTION																			
(A1/00)(A1/00)(A1/00)(A1/00)																			
C20-01																			
E R1 S1 T1																			
MCCB100																			
S101 T101																			
R101																			
M101																			
TR100																			
VCT 2.5sqx2c																			
M101																			
X N																			
RF100																			
VCT 6.0sqx5c																			
N101 P101																			
DB10																			
DC MAG. BRAKE																			
IM10																			
HOISTING MOTOR																			
M101																			
CR101																			
CR102																			
CR103																			
COM																			
INV100																			
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20				
POWER CIRCUIT																				19		20	
TRAVERSING MOTION																				19		20	
(A1/10) (A1/11) (A1/11) (A1/11)																				19		20	
VCT 400VAC																				19		20	
E																				19		20	
R1																				19		20	
S1																				19		20	
T1																				19		20	
MCCB300																				19		20	
S301 T301																				19		20	
R301																				19		20	
M301																				19		20	
TR300																				19		20	
E																				19		20	
RF300																				19		20	
M301																				19		20	
VCT 400VAC+2.5sqx3t																				19		20	
E																				19		20	
U301 V301 W301																				19		20	
IM30																				19		20	
TRAVERSING MOTOR																				19		20	
DB30																				19		20	
DC MAG. BRAKE																				19		20	
KUKDONG																				19		20	
TRAVERSING POWER																				19		20	
AC 3PH 440V 60Hz																				19		20	
TRAVERSING MOTOR																				19		20	
IM 30																				19		20	
0.5KWx6P																				19		20	
DC 100V																				19		20	
DB 30																				19		20	
MCCB300																				19		20	
NO FUSE BREAKER																				19		20	
TRANSFORMER																				19		20	
TR 300																				19		20	
480/220V/200VA																				19		20	
MC-22b																				19		20	
M301																				19		20	
MAGNET CONTACTOR																				19		20	
CR301, 302, 303																				19		20	
MINI 4x4b (Coil AC110V)																				19		20	
SR-30																				19		20	
SV015IG5A-4																				19		20	
KG-L001																				19		20	
LIMIT SWITCH																				19		20	
INV300																				19		20	
INVERTER																				19		20	
SILICON RECTIFIER																				19		20	
RF300																				19		20	
ASECO																				19		20	
LS																				19		20	
KG AUTO																				19		20	
ORDER NO.																				19		20	
NONE																				19		20	
SCALE																				19		20	
DATE																				19		20	
DWG. NO																				19		20	
KDC5E52																				19		20	
KUKDONG HOIST CO., LTD.																				19		20	
KUKDONG																				19		20	
SHINHAN																				19		20	
LS																				19		20	
DRAWING																				19		20	
DESIGN																				19		20	
CHECKED																				19		20	
APPROVED																				19		20	
TRAVERSING POWER CONTROL CIRCUIT																				19		20	
DIAGRAM																				19		20	
CUSTOMER																				19		20	
DRAWING TITLE																				19		20	
CHK. APP.																				19		20	
REVISIONS																				19		20	
DATE																				19		20	
MK																				19		20	



NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	INV100	INVERTER	SOHO11VD4Y	1	HOISTING
3	TR1	TRANSFORMER	480V/110V,120V 100VA	1	
4	RF100	SILICON RECTIFIER	SR-60	1	HOISTING
5	TR2	TRANSFORMER	480V/220V 200VA	1	
6	MC1	MAG. CONTACTOR	MC-22b	1	
7	CR101~3	MAG. CONTACTOR	MR-4	1	
8		TERMINAL BLOCK	35A,15A	1	
9		EARTH TERMINAL	3x20x50	1	
10	F11,12,(13)	FUSE	2A , (3A)	2(1)	

- NOTE
1. 전선의 색상은 다음과 같다.
 - 1) 흑색 : 교류 및 직류전선
 - 2) 적색 : 교류제어선
 - 3) 주황색 : 외부 전원에서 공급되는 운동장치 제어회로
 - 4) 녹색 또는 녹색과 노랑 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
3. 제어용 전선 : 2.5mm KIV,HIV
MIN SIZE : 2.5sq
4. 제자리 다소 변경 될수있음.
5. 외함 기밀구조는 다음과 같을것.
- 1) 외함 기밀부 손전부분이 차단되도록 할것.
- 2) 외함 기밀부 손전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.



- NOTE
1. UPPER LIMIT LS-1,LS-2의 정합 허용 전류 : 80A AC 600V 75A
 2. POWER SOURCE : AC 3φ 480V 60Hz
 3. EARTH TERMINAL RESISTANCE 0.01Ω

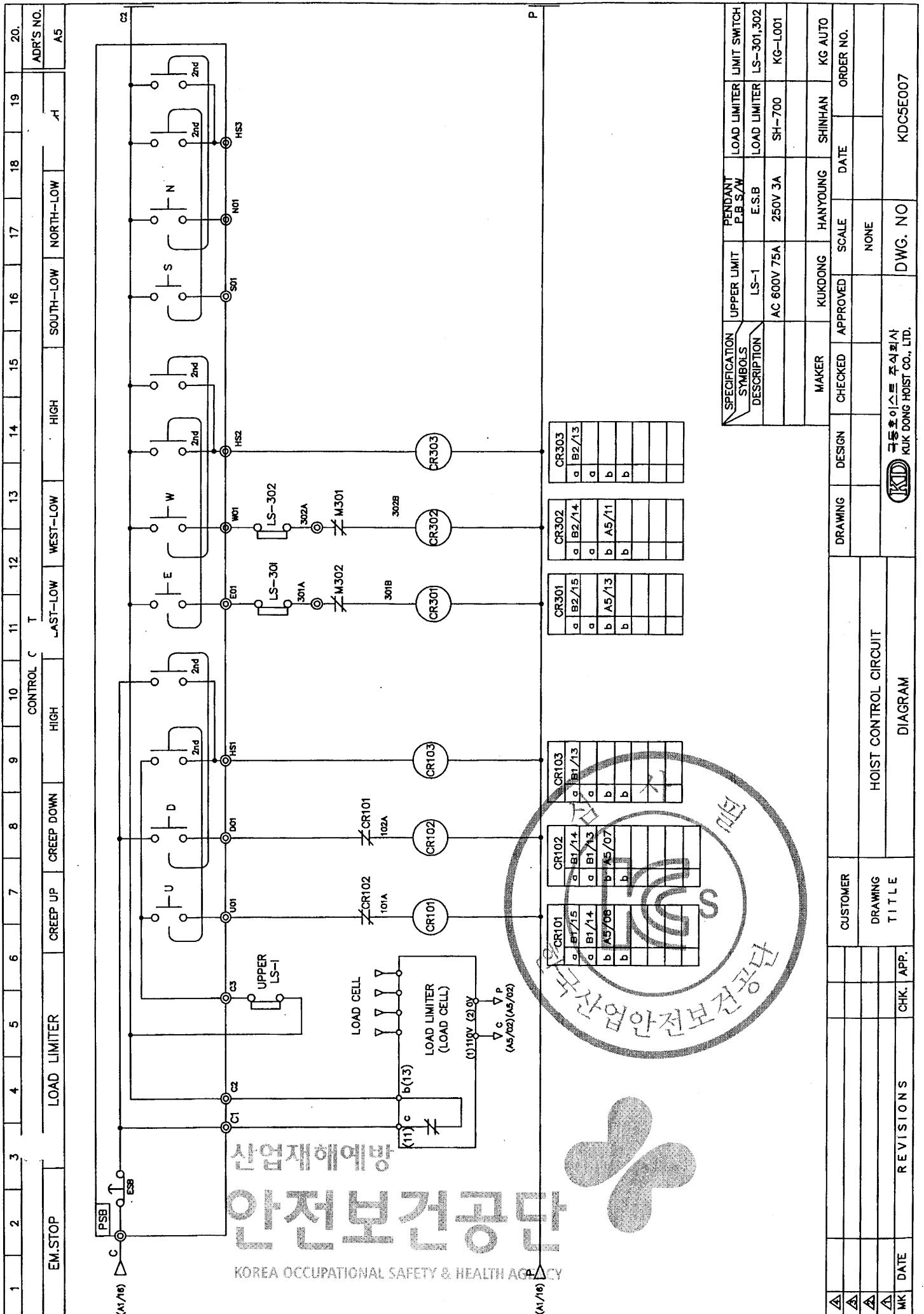
MK	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE	HOIST CONTROL BOX ARRANGEMENT DRAWING	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.

KOSHA KUK DONG HOIST CO., LTD.

KDC05BA61



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
POWER CIRCUIT																													
TRAVERSING MOTIC.																													
SPECIFICATION		SYMBOLS		DESCRIPTION		SELECTION		MAKER		TRAVERSING POWER		TRAVERSING MOTOR		DC MAG. BRAKE		NO FUSE BREAKER		TRANSFORMER		MAGNET CONTACTOR		CONTROL RELAY		SILICON RECTIFIER		INVERTER		LIMIT SWITCH	
										AC 3PH 480V 60Hz		IM 30		DB 30		MCCB300		TR 300		M301		CR301, 302, 303		RF300		LS301, 302			
										0.5KWx6P		DC 100V		ABE-33AF/20A		440/220V, 200VA		MC-22b		MINI 4a4b (Coil AC110V)		SR-30		SV015G5A-4		KG-L001			
										KUKDONG		LS		SHINHAN		ASECO		LS		KG AUTO		DATE		ORDER NO.					
										CUSTOMER																			
										DRAWING TITLE																			
										TRAVERSING POWER CONTROL CIRCUIT																			
										DIAGRAM																			
										KUKDONG HOIST CO., LTD.																			
										DWG. NO																			
										KDC5E62																			



SPECIFICATION SYMBOLS	UPPER LIMIT	PENDANT P.B.S/W	LOAD LIMITER	LIMIT SWITCH
DESCRIPTION	LS-1	E.S.B	LOAD LIMITER	LS-301,302
	AC 600V 75A	250V 3A	SH-700	KG-L001
MAKER	KUKDONG	HANYOUNG	SHINHAN	KG AUTO
CHECKED	APPROVED	SCALE	DATE	ORDER NO.
		NONE		

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

DWG. NO.	KDC5E007
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CUSTOMER	HOIST CONTROL CIRCUIT
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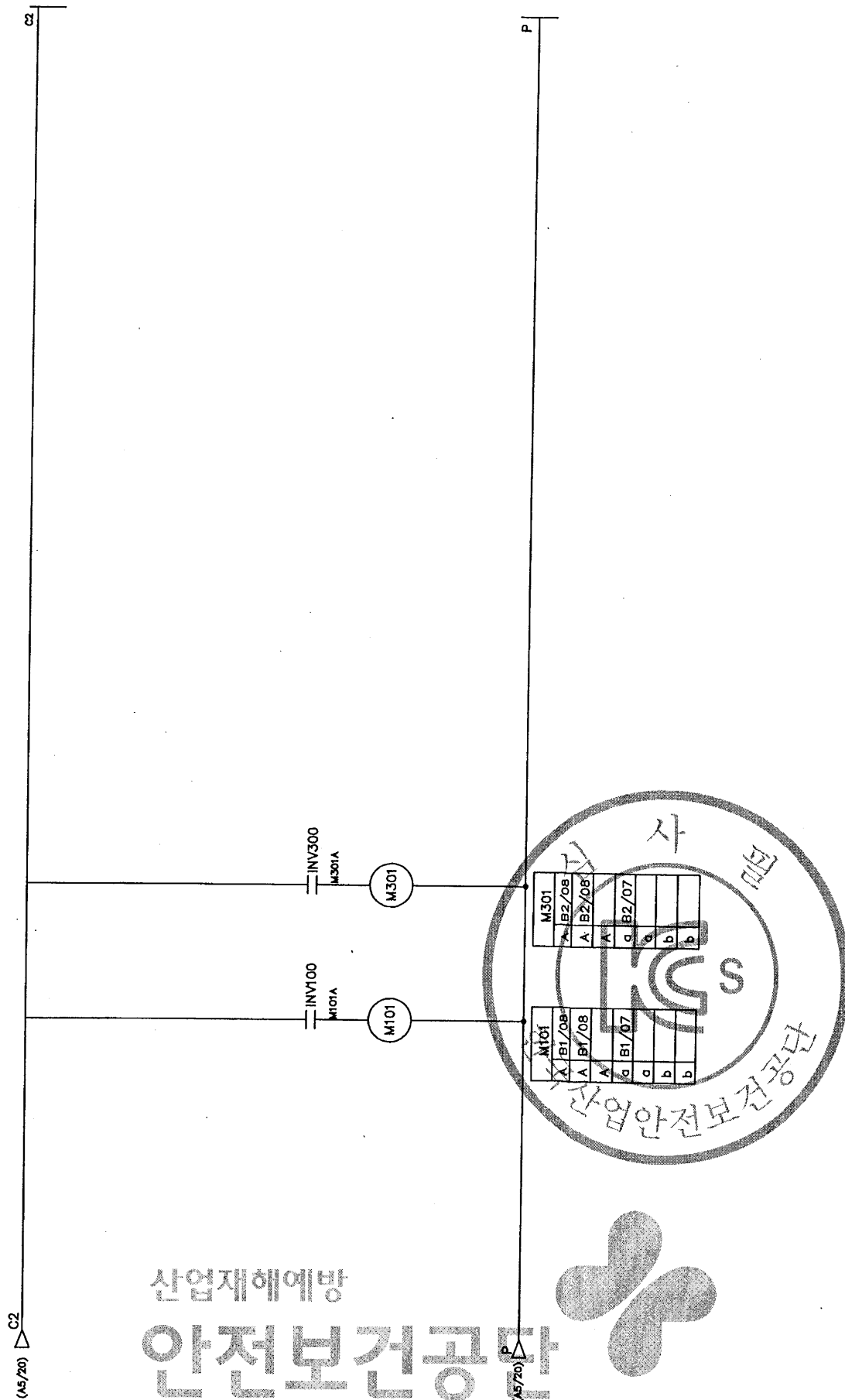
DRAWING TITLE	DIAGRAM
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CHK. APP.	
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REVISIONS	
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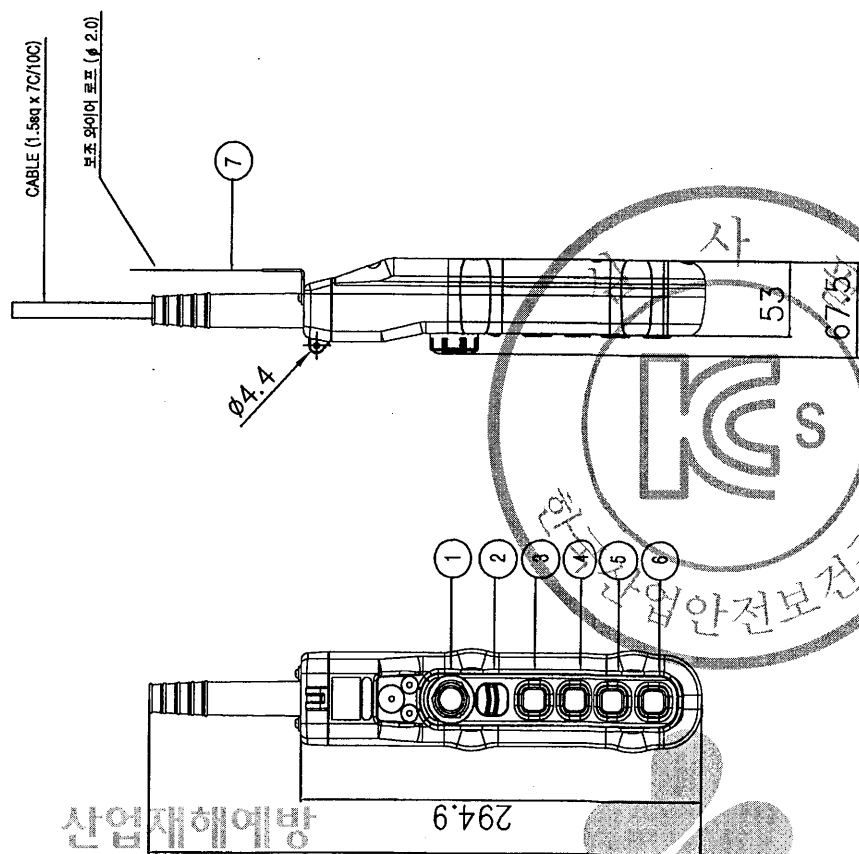
DATE	
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.			
										UIT												
										CONTROL												
										HOISTING BRAKE					TRAVERSING BRAKE							
																				ADR'S NO.		A6



산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

[illegible]



구분	조각버튼	표시등
좌측	비상	비상
중앙	비정상	비정상
우측	정상	정상
정중	이무	이무
좌측	지정된미있음	기타

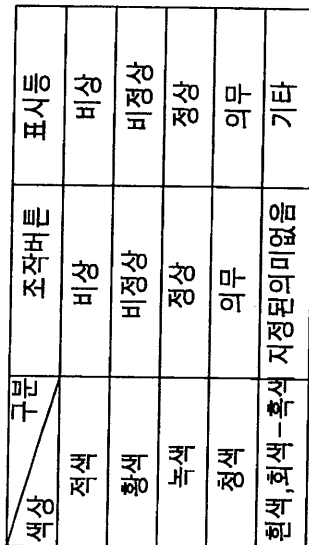
* MATERIAL : POLYCARBOBATE(PLASTIC)

* BODY COLOR : YELLOW, BLACK

*|P : 55 0|상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			
3	상	1PUSH BUTTON 2STEP		BLACK
4	하	1PUSH BUTTON 2STEP		
5	동(전)	1PUSH BUTTON 1STEP		
6	서(후)	1PUSH BUTTON 1STEP		
7	보조 와이어	ø 2.0		

		CUSTOMER	PENDANT PUSH BUTTON SWITCH ----- LAY OUT	DRAWING DESIGN CHECKED APPROVED SCALE DATE
		DRAWING TITLE		
		CHK.	APP.	
MK	DATE	REVISIONS		DWG. NO.



* IP : 55.0 이상

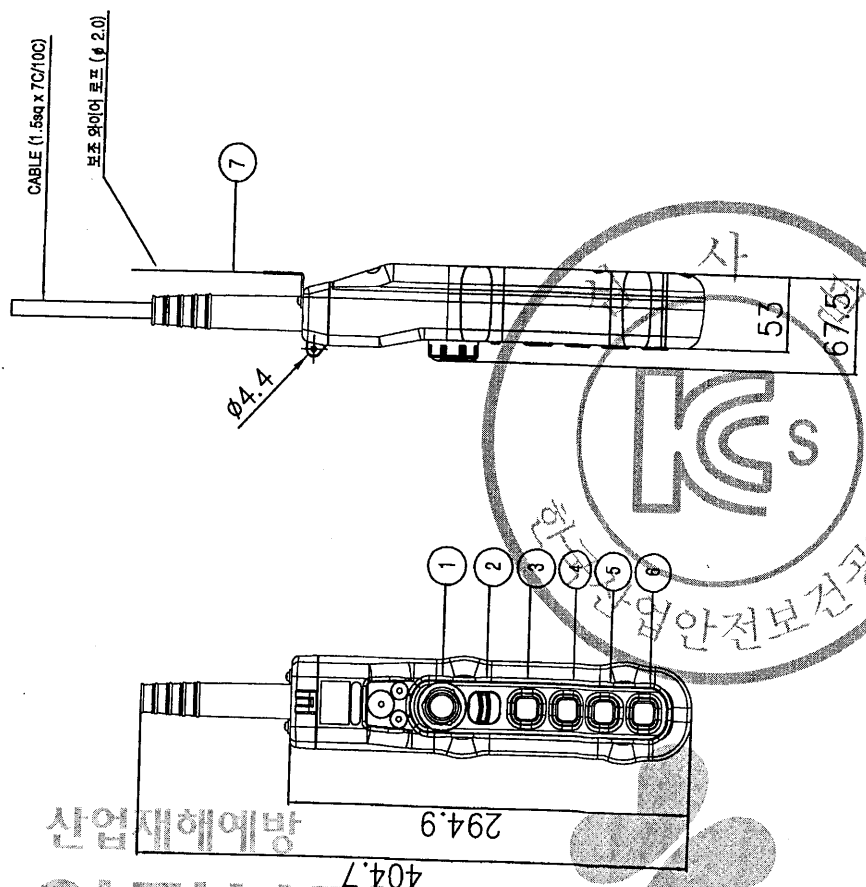
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2	SPARE			BLACK
3	상	1PUSH BUTTON 2STEP		
4	하	1PUSH BUTTON 2STEP		
5	동 (좌)	1PUSH BUTTON 1STEP		
6	서 (우)	1PUSH BUTTON 1STEP		
7	남 (전)	1PUSH BUTTON 1STEP		
8	북 (후)	1PUSH BUTTON 1STEP		
9	보조 WIRE	ø 2.0		

A			CUSTOMER	PENDANT PUSH BUTTON SWITCH	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
A										
A										
MK	DATE	REVISIONS	CHK.	APP.	LAY OUT	KUK DONG HOIST CO., LTD.		DWG. NO		

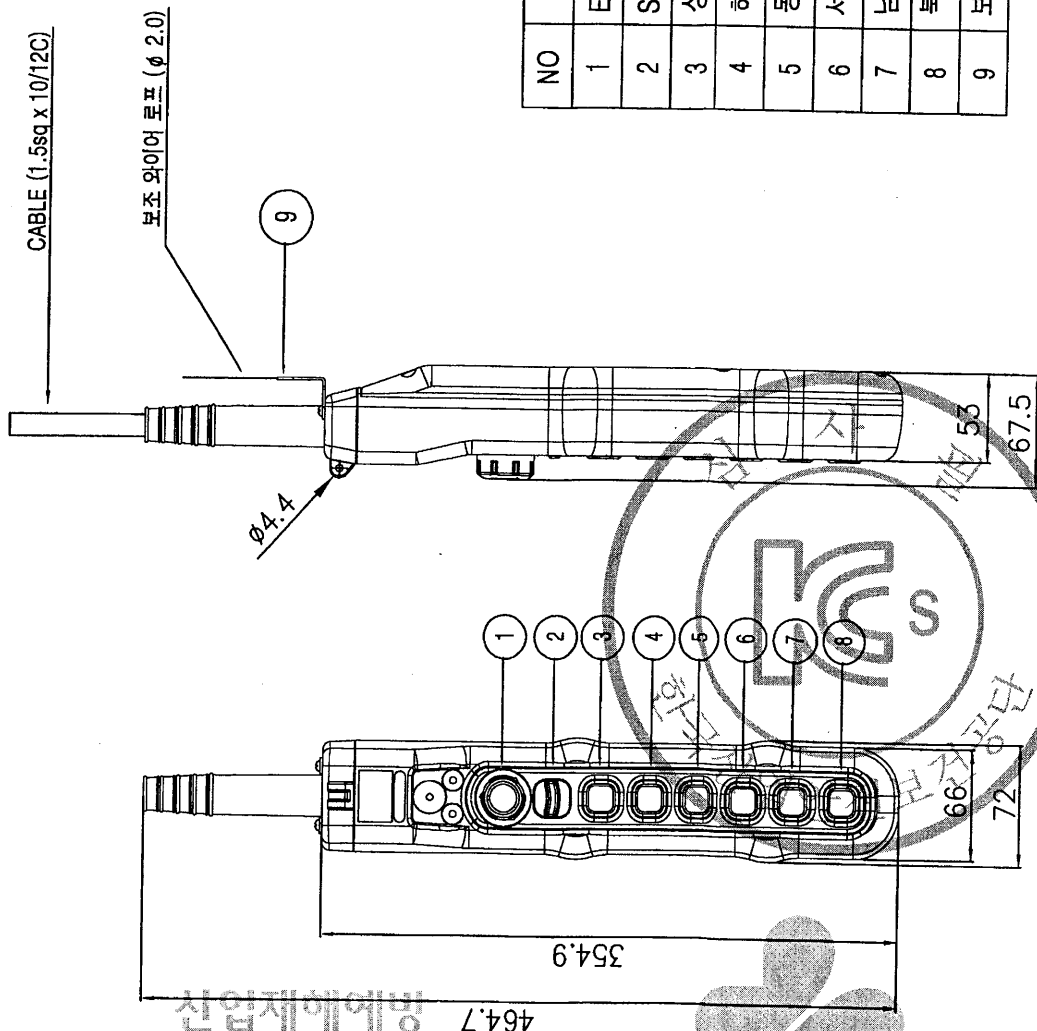
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전색	적색	비상	비상
황색	황색	비정상	비정상
녹색	녹색	정상	정상
청색	청색	의무	의무
흰색, 회색 - 흑색	흰색, 회색 - 흑색	지정된의미없음	기타

* MATERIAL : POLYCARBONATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			BLACK
3	상	1PUSH BUTTON 2STEP		
4	하	1PUSH BUTTON 2STEP		
5	동(전)	1PUSH BUTTON 2STEP		
6	서(후)	1PUSH BUTTON 2STEP		
7	보조 와이어	ø 2.0		



MK	DATE	REVISIONS				CUSTOMER	DRAWING TITLE				PENDING PUSH BUTTON SWITCH LAY OUT					
Δ																
Δ																
Δ																
DRAWING												DESIGN	CHECKED	APPROVED	SCALE	DATE
KUK DONG HOIST CO., LTD.																
DWG. NO																



구분	색상	조작버튼	표시등
적색	비상	비상	비상
황색	비정상	비정상	비정상
녹색	정상	정상	정상
청색	의무	의무	의무
흰색, 회색-흑색	지정된의미없음		기타

* MATERIAL : POLYCARBOBATE(PLASTIC)
 * BODY COLOR : YELLOW, BLACK
 * IP : 55 이상

NO	SYMBOL	TYPE	SPEC.	COLOR
1	E.B.S	PUSH LOCK TURN RESET TYPE	250VAC x 6A	RED
2	SPARE			
3	상	1PUSH BUTTON 2STEP		BLACK
4	하	1PUSH BUTTON 2STEP		
5	동 (좌)	1PUSH BUTTON 2STEP		
6	서 (우)	1PUSH BUTTON 2STEP		
7	남 (전)	1PUSH BUTTON 1STEP		
8	북 (후)	1PUSH BUTTON 1STEP		
9	보조 WIRE	φ 2.0		

A	CUSTOMER	DRAWING				DESIGN	CHECKED	APPROVED	SCALE	DATE
	DRAWING TITLE	PENDANT PUSH BUTTON SWITCH								
A	REVISIONS	LAY OUT								
	DATE	CHK.	APP.	DWG. NO						
MK		KUK DONG HOIST CO., LTD.								

THREE PHASE INDUCTION MOTOR DATE SHEET

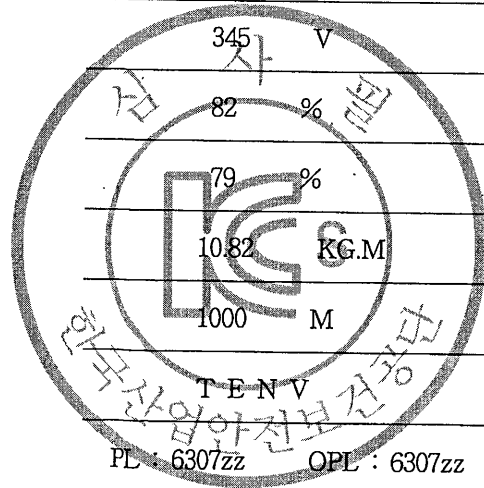
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	8.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	34.4 A
12. LOCKED ROTOR CURRENT	198.1 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	79 %
16. FULL LOAD TORQUE	10.82 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6307zz OPL : 6307zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	8.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	19.9 A
12. LOCKER ROTOR CURRENT	114.7 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	79 %
16. FULL LOAD TORQUE	10.82 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6307zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



산업재해예방

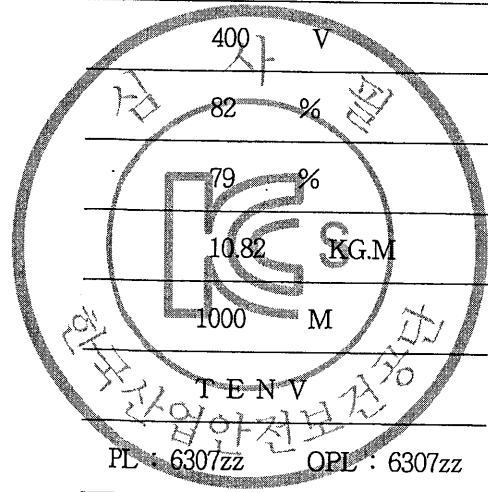
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

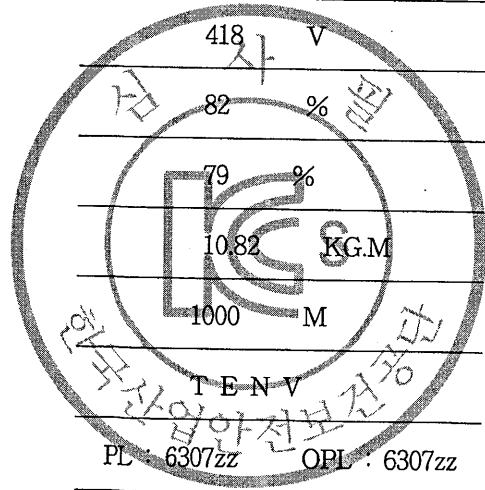
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2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	8.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	18.1 A
12. LOCKED ROTOR CURRENT	94.8 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	79 %
16. FULL LOAD TORQUE	10.82 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6307zz OPL : 6307zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	8.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	16.5 A
12. LOCKED ROTOR CURRENT	94.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	79 %
16. FULL LOAD TORQUE	10.82 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6307zz OPL : 6307zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

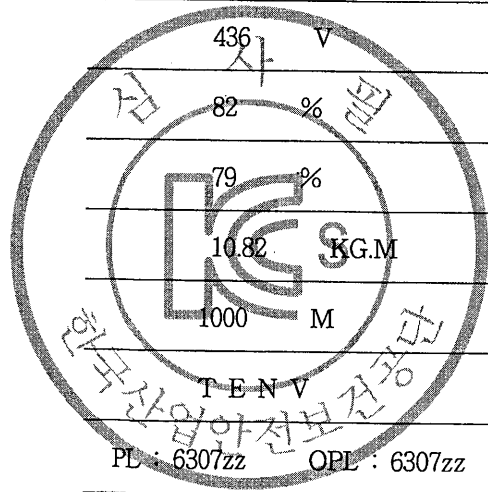
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	8.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	15.8 A
12. LOCKED ROTOR CURRENT	90.9 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	79 %
16. FULL LOAD TORQUE	10.82 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6307zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



안전재해예방

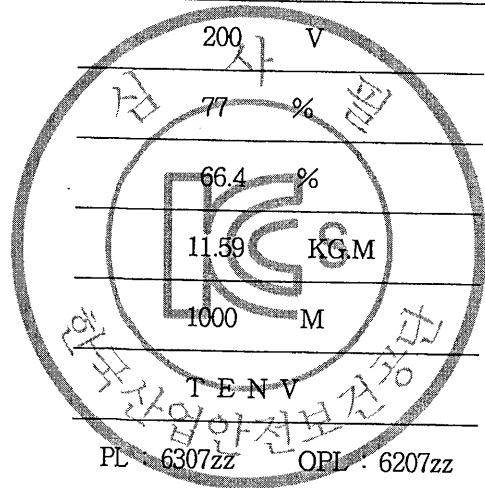
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	28.2 A
12. LOCKED ROTOR CURRENT	155.1 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	66.4 %
16. FULL LOAD TORQUE	11.59 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL 6307zz OPL 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	16.3 A
12. LOCKER ROTOR CURRENT	89.8 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	66.4 %
16. FULL LOAD TORQUE	11.59 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

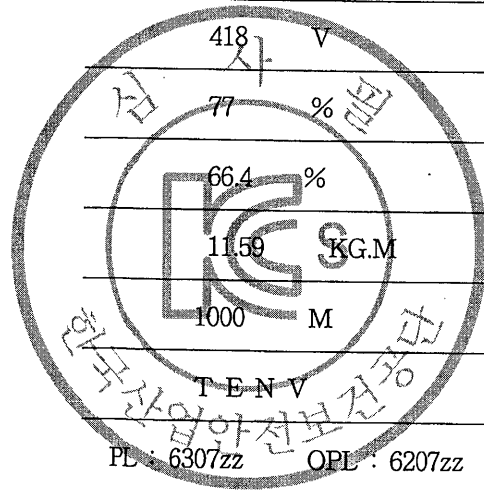
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	14.1 A
12. LOCKED ROTOR CURRENT	77.6 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	66.4 %
16. FULL LOAD TORQUE	11.59 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 L
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	13.5 A
12. LOCKED ROTOR CURRENT	74.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	66.4 %
16. FULL LOAD TORQUE	11.59 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T-E-N-V
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

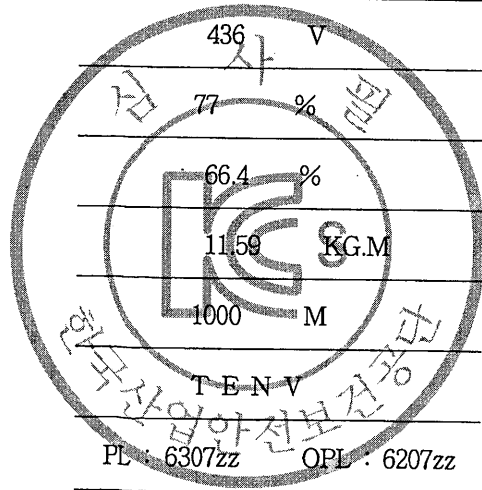
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	12.9 A
12. LOCKED ROTOR CURRENT	71.2 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	66.4 %
16. FULL LOAD TORQUE	11.59 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

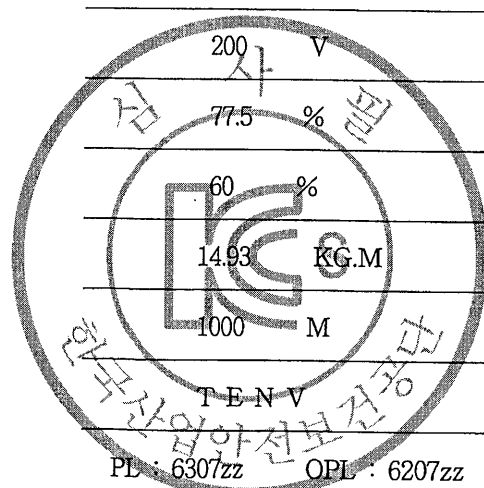
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	4.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	23.0 A
12. LOCKED ROTOR CURRENT	136.2 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	14.93 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	4.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	13.3 A
12. LOCKED ROTOR CURRENT	78.8 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL ROTOR TORQUE	14.93 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

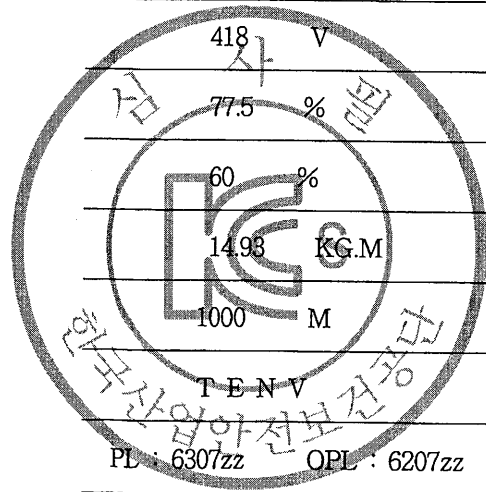
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	4.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	11.5 A
12. LOCKED ROTOR CURRENT	68.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	14.93 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

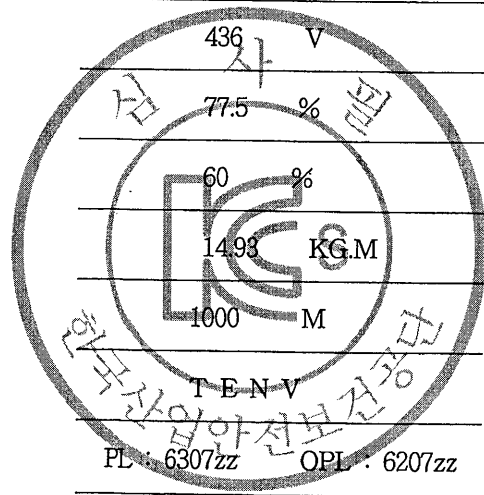
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	4.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	11.0 A
12. LOCKED ROTOR CURRENT	65.1 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	14.98 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	4.2 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	10.5 A
12. LOCKED ROTOR CURRENT	62.4 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	14.93 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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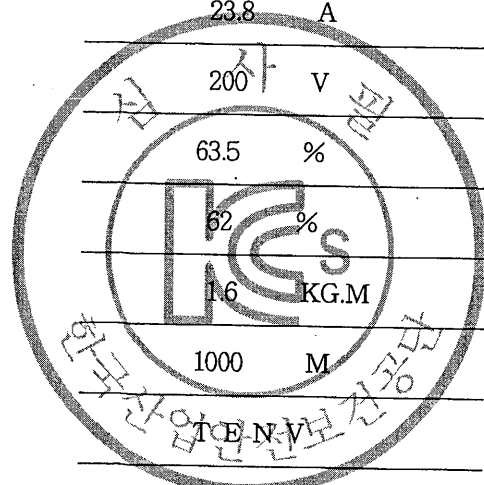
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

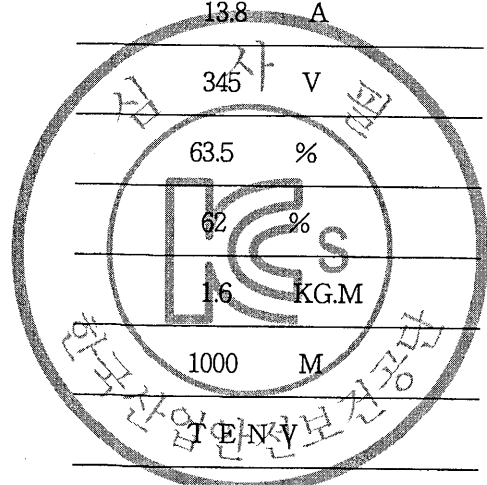
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 RPM
11. FULL LOAD CURRENT	6.7 A
12. LOCKED ROTOR CURRENT	23.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

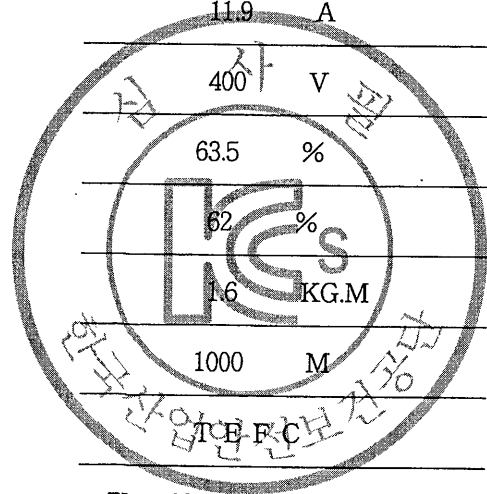
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 RPM
11. FULL LOAD CURRENT	3.9 A
12. LOCKED ROTOR CURRENT	13.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

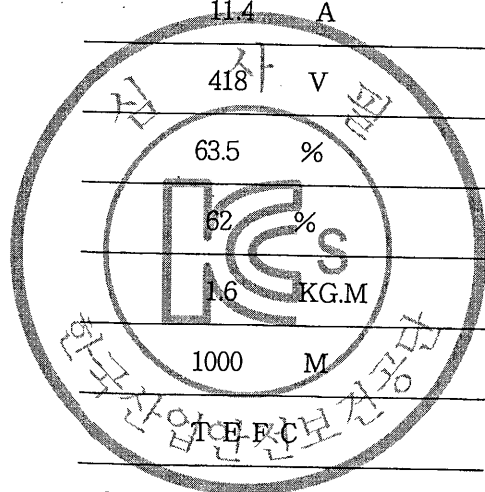
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 RPM
11. FULL LOAD CURRENT	3.3 A
12. LOCKED ROTOR CURRENT	11.9 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

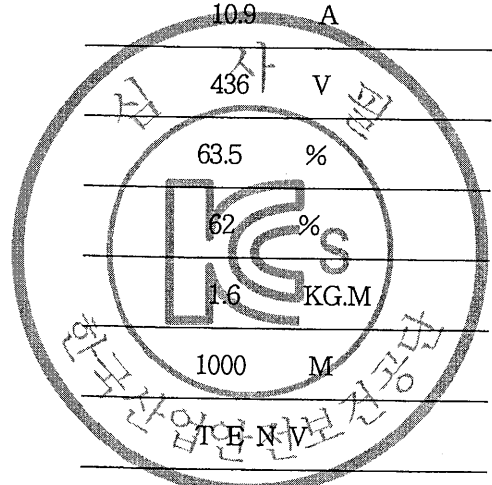
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 RPM
11. FULL LOAD CURRENT	3.2 A
12. LOCKED ROTOR CURRENT	11.4 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T.E.F.C
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

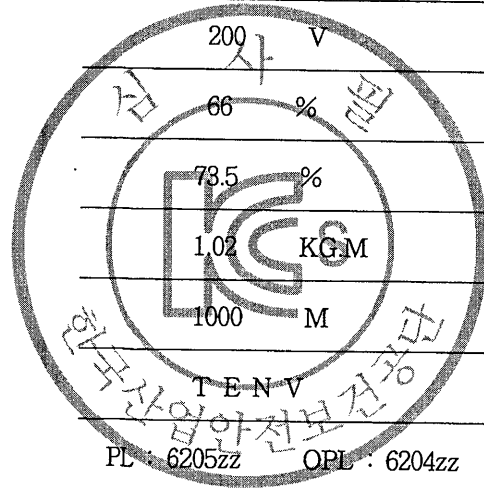
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1152 RPM
11. FULL LOAD CURRENT	3.1 A
12. LOCKED ROTOR CURRENT	10.9 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TE-NV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	4.1 A
12. LOCKED ROTOR CURRENT	22.1 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	1.02 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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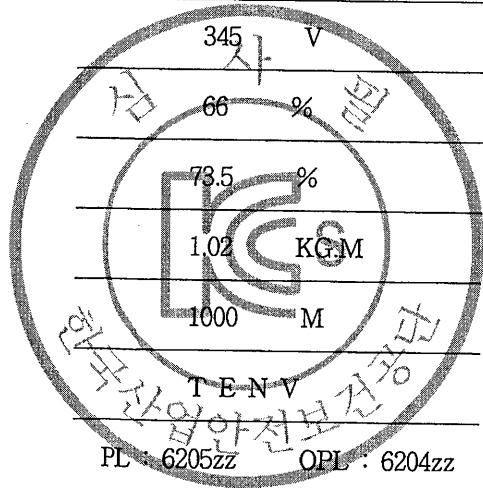
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.4 A
12. LOCKED ROTOR CURRENT	12.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	1.02 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

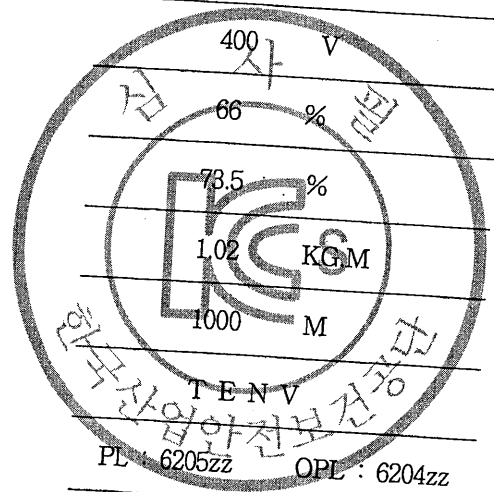
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	11.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	1.02 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

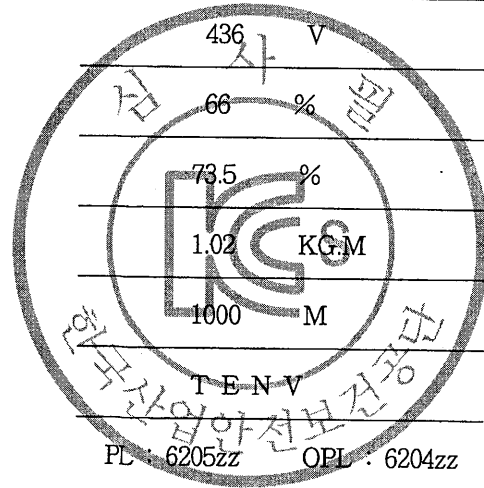
SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	10.6 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	1.02 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N - V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	1.9 A
12. LOCKED ROTOR CURRENT	10.2 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	1.02 KG·M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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THREE PHASE INDUCTION MOTOR DATE SHEET

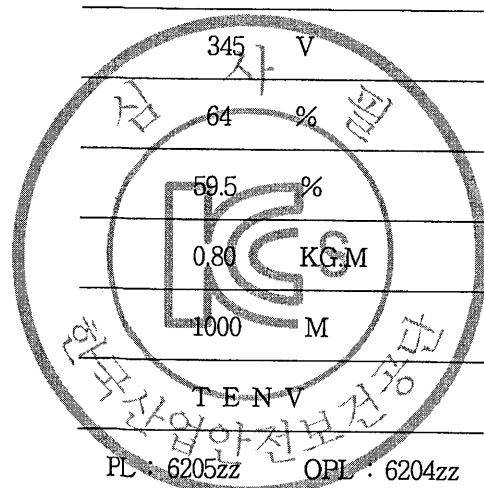
SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	3.4 A
12. LOCKED ROTOR CURRENT	16.4 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	9.5 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. FULL LOAD TORQUE	0.80 KG-M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

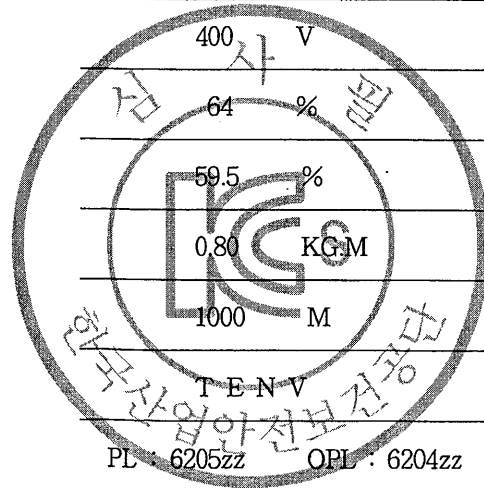


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. LOCKED ROTOR CURRENT	8.2 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

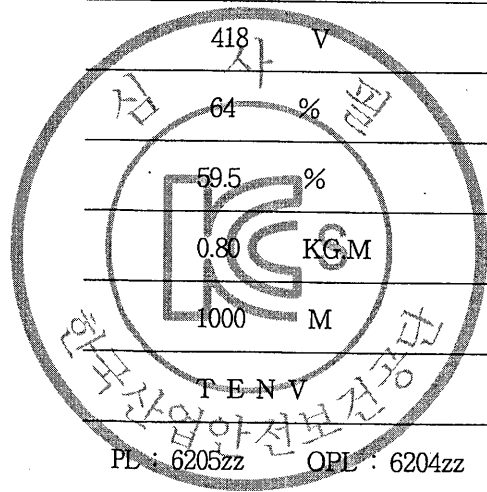
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. LOCKED ROTOR CURRENT	7.9 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



산업재해예방

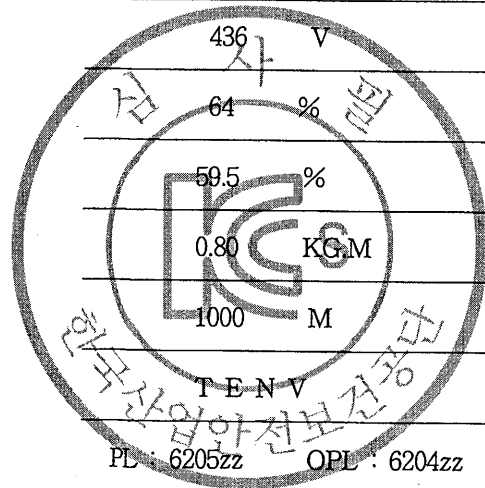
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.6 A
12. LOCKED ROTOR CURRENT	7.5 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

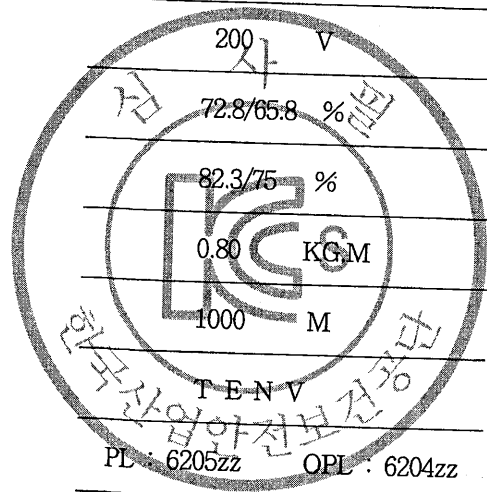
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

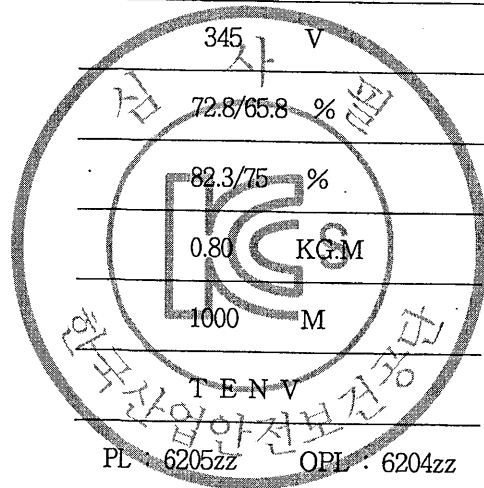
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	4.8/4.25 A
12. LOCKED ROTOR CURRENT	14.2/13.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.78/2.63 A
12. LOCKED ROTOR CURRENT	9.2/6.3 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

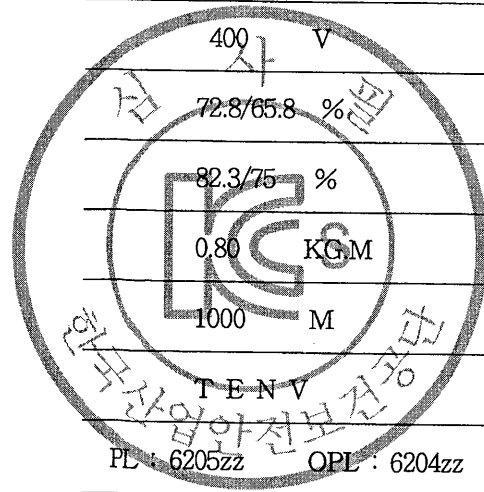


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.4/2.27 A
12. LOCKED ROTOR CURRENT	8.6/6.21 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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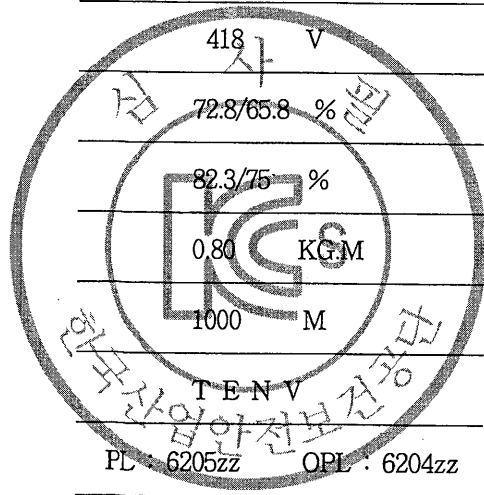
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.17 A
12. LOCKED ROTOR CURRENT	8.5/6.18 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



사업재해예방

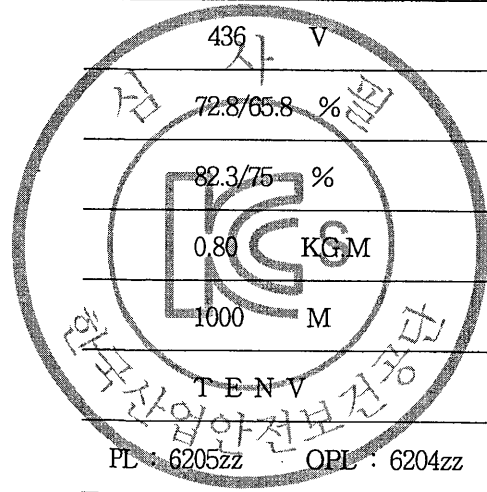
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.1 A
12. LOCKED ROTOR CURRENT	8.4/6.15 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KG·M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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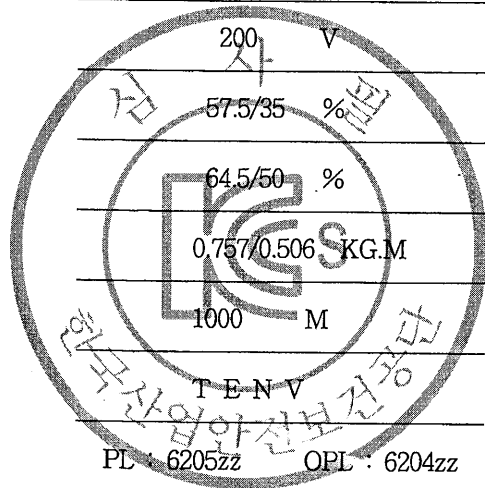
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.2/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	12.8/10.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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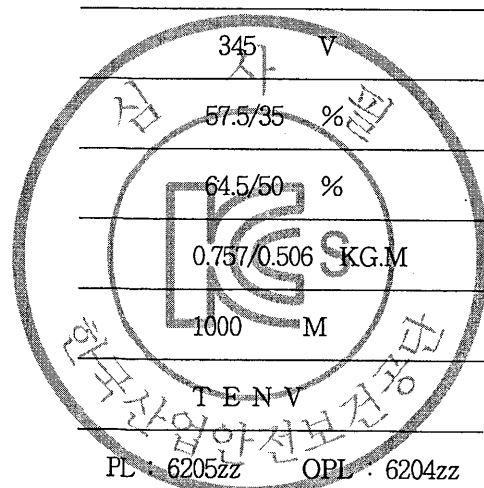
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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.85/2.08 A
12. STARTING CURRENT AT RATED VOLTAGE	7.41/6.25 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 K.G.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

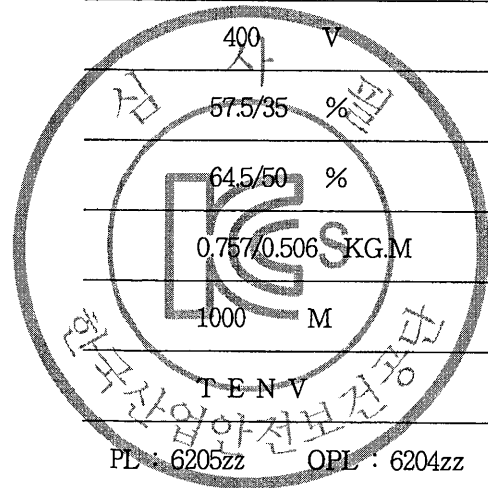


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.6/1.8 A
12. STARTING CURRENT AT RATED VOLTAGE	6.4/5.4 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



산업재해예방

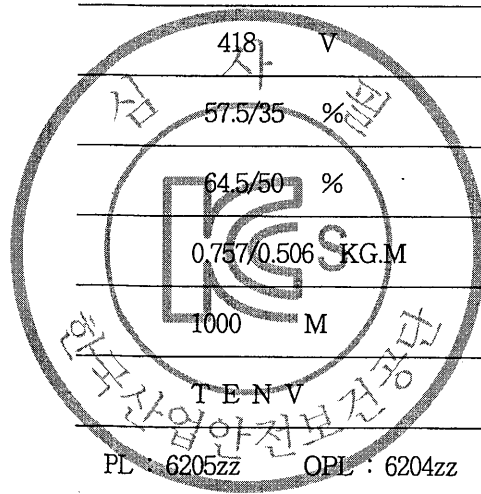
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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.5/1.72 A
12. STARTING CURRENT AT RATED VOLTAGE	6.2/5.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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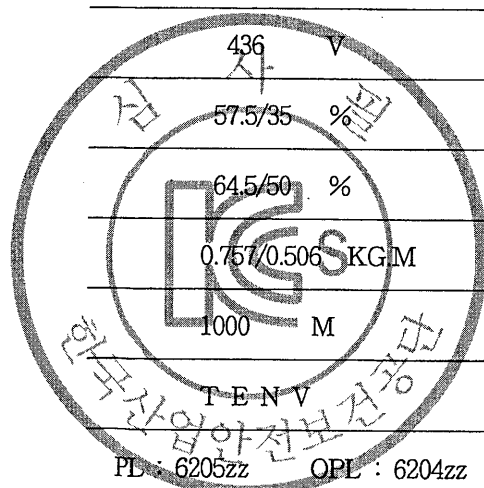
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.4/1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	5.82/4.93 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG·M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T-E-N-V
19. TYPE OF BEARING	PE : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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CERT NO. 200612WRU60500

DATE Jan. 19, 2010

MILL TEST CERTIFICATE

THIS IS TO CERTIFY THAT THE MATERIAL DESCRIBED BELOW WAS MANUFACTURED
IN ACCORDANCE WITH KISWIRE LTD SPECIFICATION AND APPLICABLE SECTIONS

OF KSD 3514 - 2002 (B Grade)

TO MESSRS

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 X 37 + FC

1000 M X 2 REEL

EX NO.

ORDER NO. _____ REEL NO. 1 ~ 2 SAMPLING NO. 1

DIAMETER OF ROPE 11.200 mm TYPE OF CORE Fiber Core

SPECIFIED BREAKING LOAD 71.00 kN SAMPLE BROKE AT 74.78 kN

WT. OF ZINC COATING OF OUTER WIRE MIN. 0.000 g/m'

ROPE LAY RHRL LAY LENGTH 73 mm

LUBRICATION A-2

CHEMICAL ANALYSIS OF WIRE ROD

CHARGE NO.	C X 100	Si X 100	Mn X 100	P X 1000	S X 1000
SA51209	73	22	67	22	3

DATE OF SAMPLE TEST Jan. 19, 2010

Approved by Q.C Manager H.S. SONG
KISWIRE LTD., KOREA



KS



JIS



API



ABS



KR



NK



G.Lloyd's



DNV



L.R



BV

산업재해예방
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

EN 60 947-5-1			
Clause	Requirement - Test	Result - Remark	Verdict

Annex C of IEC 60947-1			P
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Annex C	Degree of protection of enclosed control circuit-devices		P
C.1	Scope		
	This annex applies to degrees of protection of enclosed switchgear and control gear at rated voltages not exceeding 1000 V a.c. or 1500 V d.c. hereafter referred as "equipment"		
C.2	Object		
	Clause 2 of IEC 60529 applies with additional requirements of this annex		
C.3	Definitions		
	Clause 3 of IEC 60529 applies except that "Enclosure" is replaced by the following:		
	"A part providing a specified degree of protection of equipment against certain external influences and a specified degree of protection against approach to or contact with live parts and moving parts"		
C.4	Designation		
	Clause 4 of IEC 60529 applies except for letters H, M and S		N/A
C.5	Degrees of protection against access to hazardous parts and against ingress of solid foreign objects indicated by the first characteristic numeral		
	Clause 5 of IEC 60529 applies	6	P
C.6	Degrees of protection against ingress of water indicated by the second characteristic numeral		
	Clause 6 of IEC 60529 applies	5	P
C.7	Degrees of protection against access to hazardous parts indicated by the additional letter		
	Clause 7 of IEC 60529 applies		N/A
C.8	Supplementary letters		
	Clause 8 of IEC 60529 applies		N/A
C.9	Examples of designations with IP Code		
	Clause 9 of IEC 60529 applies		P
C.10	Marking		
			P

TRF-No.: IEC60947_5_1A

산업재해예방

C.5, C.6항이 IP65 PASS를 뜻함.

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

SUB VENDOR LIST

구분	NO	DESCRIPTION	SUB VENDOR	TEL NO.	REMARK
기 계	1	WIRE ROPE	만호 로우프(주)	051-332-3131	
			고려제강 (주)	02-776-4131	
	2	MAGNET CORE	극동호이스트(주)	031-491-5311	
	3	DRUM	극동호이스트(주)	031-491-5311	
	4	GEAR	극동호이스트(주)	031-491-5311	
	5	HOOK ASS'Y	제 일 단 철	032-527-2817	
			대 흥 단 조	032-561-0541	
	6	MIDDLE SHAFT	극동호이스트(주)	031-491-5311	
	7	RAIL CHANNEL ANGLE	인천제철(주)	032-763-5000	
			강원산업(주)	032-756-8881	
전 기	8	MAG CONTACTOR	L.G 전선 (주)	02-273-4140	전 품
			(주) 대 룡	02-242-4141	한국공업협회
			(주) 대성디에스	055-338-3125	
	9	E.O.C.R	삼화기연 (주)	032-62-1331	K.S
			아산 전기	02-2636-8035	
	10	PUSH BUTTON	한영전기 (주)	02-742-0430	전 품
			(주)케이지오토	02-247-3131	전 품
			반도기계 (주)	031-495-8353-4	전 품
	11	LOAD LIMITER	보 창 기 전	032-431-0150	산 안 검
			반도기계 (주)	031-495-8353-4	산 안 검
			정호 엔지니어링	02-681-0553	산 안 검
	12	SILICON	반도기계 (주)	031-495-8353-4	
			아산 전기	02-2636-8035	
			보 창 기 전	032-431-0150	

사업재해예방
안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	12.0 A	13.2 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.6 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며, MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING

* POWER SOURCE : AC 3 Ø 380V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.4 A	4.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.4 A	4.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	7.0 A	7.7 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	10.3 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	

NOTE

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LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.5 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.5 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.8 A	6.4 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	

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LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	5.9 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
2.8T	2.5KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
3TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	

NOTE

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LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3 ϕ 480V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	5.8 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.3 A	6.0 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
2.5 TON	2.5KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	

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E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	7.6 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
1 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	7.6 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
2 TON	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	2.5KW x 6P	12.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.0 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
2.8 TON	2.5KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.7 A	
	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	2.8KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.7 A	
3 TON	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
5 TON	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
7.5 TON	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	

NOTE

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E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

극동하이스트(주)

HOIST	MOTOR 용량	1 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	1.5KW x 6P	5.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.4 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
1 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	1.5KW x 6P	5.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.4 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
2 TON	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
	2.5KW x 6P	7.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.0 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
2.8 TON	2.5KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
	5.0KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	2.8KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
3 TON	5.5KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
5 TON	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
7.5 TON	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	

NOTE

1. 상기 TABLE의 수치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-06	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
1 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-06	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
2 TON	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
	2.5KW x 6P	5.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
2.8 TON	2.5KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.9 A	
	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
3 TON	2.8KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.9 A	
	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.5 A	
5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.5 A	
7.5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.5 A	

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