



제 2012 - 27539 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 _____
KDC35/5-MA (35/5Ton) /12-AQ2AC-03224

_____ 인 증 기 준 _____
고용노동부 고시 제2011 - 39호 (위험기계,기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2012년 08월 13일



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)		KDC35/5-MA (127MN3DC010)	용량 (등급)	35/5 Ton

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한

☐ 예비심사

☐ 서면심사

☐ 기술능력 및 생산체계 심사

☐ 개별 제품심사

☐ 개별 제품심사(제작중)

☒ 형식별 제품심사

결과가 ☒ 적합
☐ 부적합

함을 통지합니다.

2012년 08월 13일

인증심사원

조봉희

(서명 또는 인)

한국산업안전보건공단 경기서부지도원장





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)		KDC35/5-MA	용량(등급)	35/5 Ton

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한

[] 예비심사

[√] 서면심사

[] 기술능력 및 생산체계 심사

[] 개별 제품심사

[] 개별 제품심사(제작중)

[] 형식별 제품심사

결과가 [√] 적 합

[] 부적합

함을 통지합니다.

2012년 07월 16일

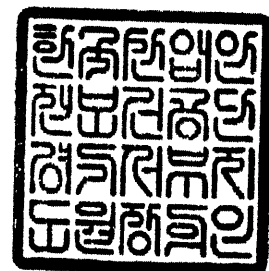
인증심사원

강성두 변명수

(서명 또는 인)

74

한국산업안전보건공단 경기서부지도원장



서 면 심 사 서 류

형식 번호 : KDC35/5-MA

극 동 호 이 스트 (주)

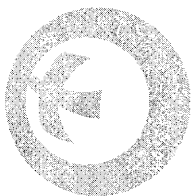


工場 : 경기도 안산시 단원구 성곡동 630-2 반월공단607-14

電話 : 031) 491 - 5311

FAX : 031) 494 - 5315

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한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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동 일 형 식 일 람 표

사업장명	구동호이스트(원)	개정일자 및 번호		인증번호	
		동일 형식 인정범위 및 내역		비 고	
형식	형식 및 모델	권상속도(m/min)	회행속도(m/min)	양정(m)	회행방식
KDC35/5-MA	모델				
	KDC35/5-L12-MA	고속:4.8M/MIN	고속:15M/MIN	12	모터구동식
	KDC35/5-L18-MA			18	
	KDC35/5-L24-MA			24	
	KDC35/5-L30-MA	CREEP:0.48M/MIN	2~15M/MIN	30	

*5톤 권상속도
고속:5.6M/MIN
CREEP:0.56M/MIN

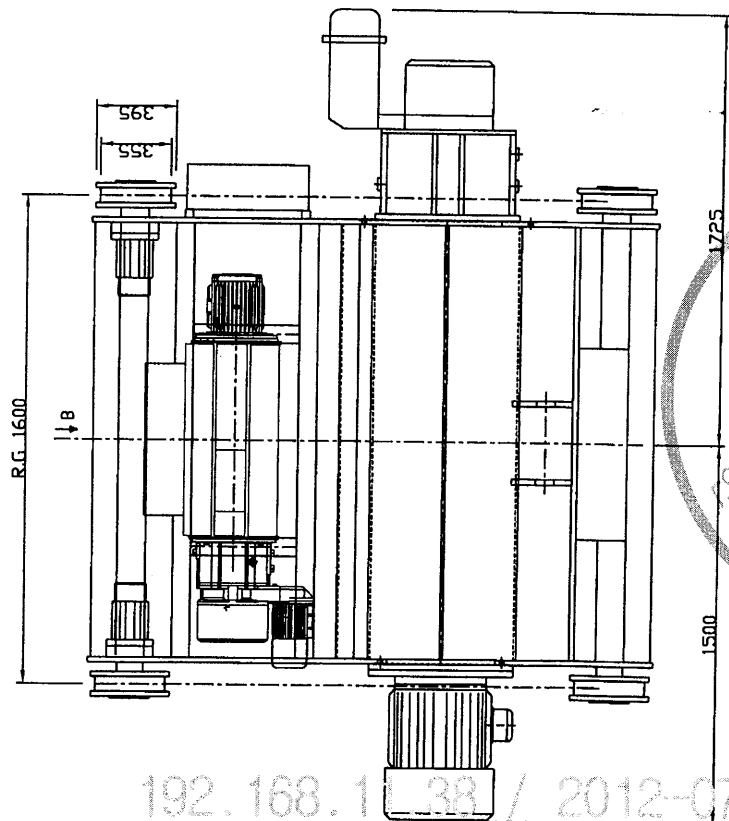
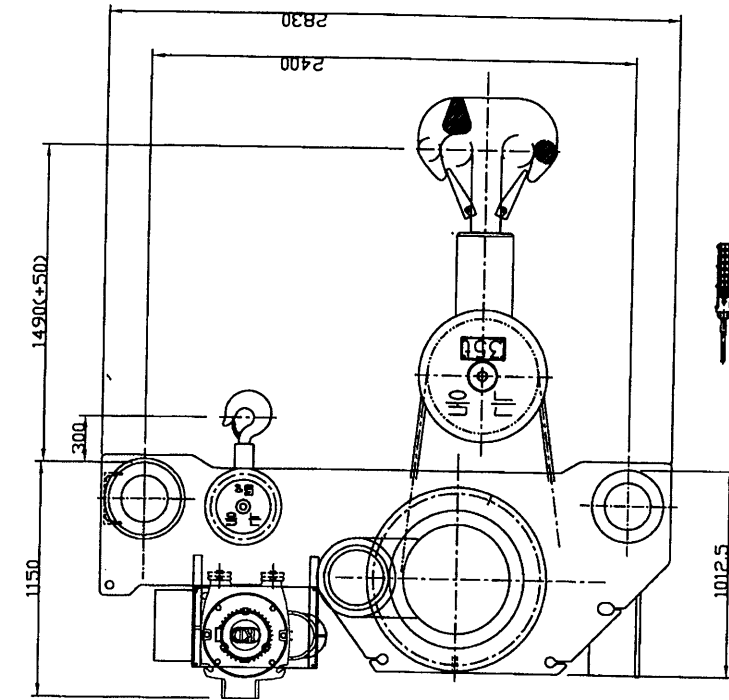


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한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



SPECIFICATION			
HOIST	MAIN	AUX	
HOISTING LOAD	35000 KG	5000 KG	
TEST LOAD	43750 KG	6250 KG	
LIFT	12 M	12 M	
HOISTING	SPEED 4.8/0.48 M/MIN	5.6/0.56 M/MIN	
	MOTOR 33/3.7KWx6/4P	5.5/1.5KW x 6P	
TRAVERSING	SPEED 15 M/MIN		
	MOTOR 2.2KW x 4P		
WIRE ROPE	6x1(25) #28x4 FALLS	#16x2 FALLS	
POWER SOURCE	AC#3 220,380,440,460,480V 60Hz		
TRAVERSING RAIL	37. 50 KG/M		
GROSS WEIGHT	6400 KG		

극동호이스트
정격하중
35000KG
KDC35/5-L12-3

VIEW A

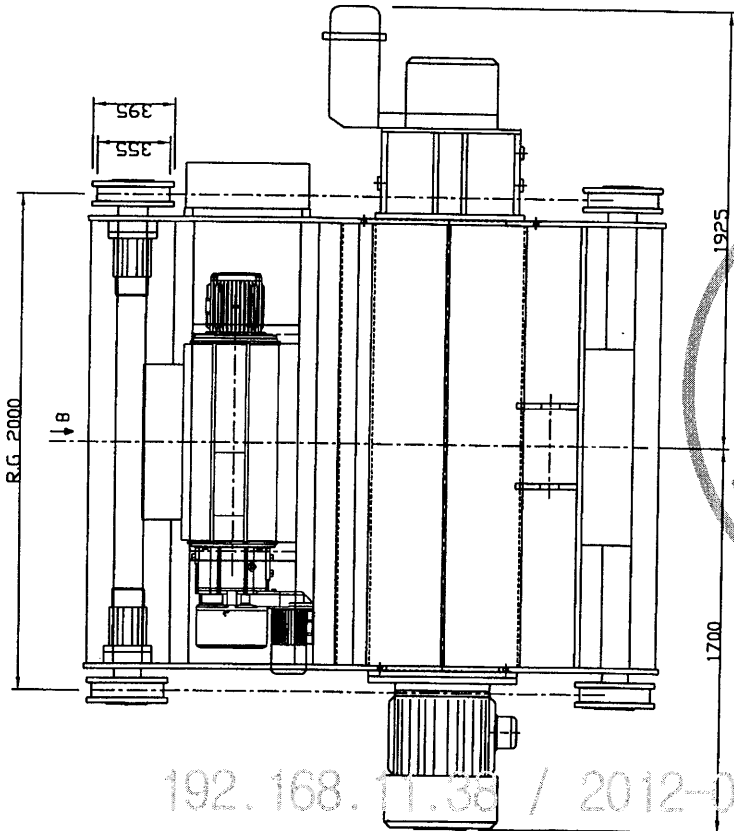
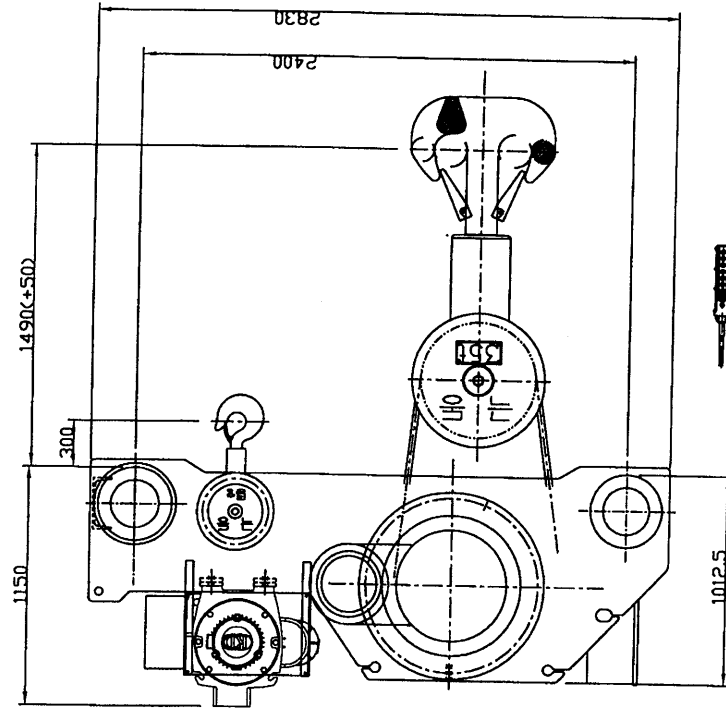
극동호이스트
정격하중
5000KG
KDC3-M12

VIEW B

NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.	DATE	DIM
									mm
PROJECT									
TITLE								KDC35/5-L12-MA	SCALE
ARRANGEMENT DRAWING FOR HOIST								-	PROJECTION
DRAWN								DESIGNED	3rd
CHECKED								APPROVED	REF. DRAWING
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.								SHEET No.	DWG No.
									KDC355120

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SPECIFICATION		MAIN	AUX
HOIST	HOISTING LOAD	35000 KG	5000 KG
	TEST LOAD	43750 KG	6250 KG
	LIFT	18 M	18 M
	HOISTING	SPEED 4.8/0.48 M/MIN	5.6/0.56 M/MIN
		MOTOR 33/3.7KWx6/4P	5.5/1.5KW x 6P
	TRAVERSING	SPEED 15 M/MIN	
		MOTOR 2.2KW x 4P	
	WIRE ROPE	6x4(25) 28x4 FALLS	16x2 FALLS
	POWER SOURCE	AC 3 220,380,440,460,480V 50Hz	
	TRAVERSING RAIL	37, 50 KG/M	
	GROSS WEIGHT	7500 KG	

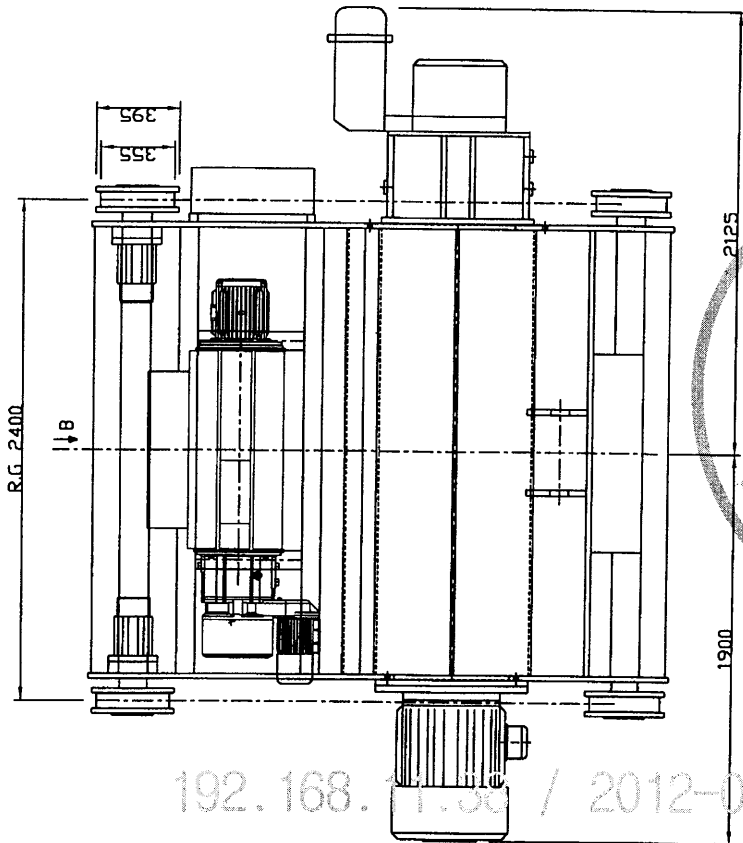
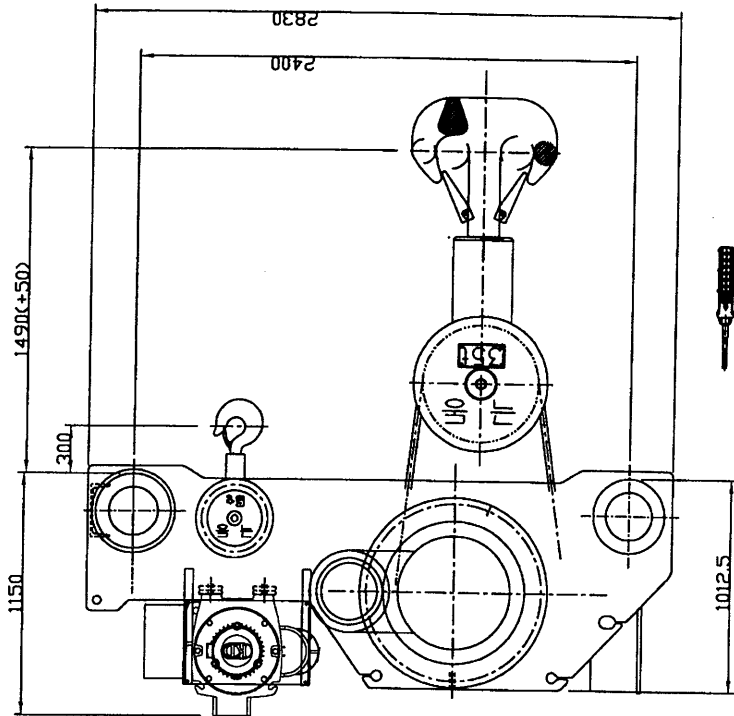
극동호이스트
정격하중
35000KG
VIEW A

극동호이스트
정격하중
5000KG
VIEW B

NO.	DESCRIPTION	MTL	SUB QTY	SUB WEIGHT(kg)	TOTAL WEIGHT(kg)	REMARKS.
PROJECT						
TITLE KDC35/5-L18-MA						
ARRANGEMENT DRAWING FOR HOIST						
DRAWN	DESIGNED	CHECKED	APPROVED	DATE	SCALE	PROJECTION
					-	3rd
REF. DRAWING						
SHEET No. DWG No. KDC355180						
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						

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SPECIFICATION				
HOIST	MAIN		AUX	
HOISTING LOAD	35000 KG		5000 KG	
TEST LOAD	43750 KG		6250 KG	
LIFT	24 M		24 M	
HOISTING	HIGH	SPEED	4.8/0.48 M/MIN	
		MOTOR	33/3.7KWx6/4P	
TRAVERSING	HIGH	SPEED	15 M/MIN	
		MOTOR	2.2KW x 4P (2UJUNIT)	
WIRE ROPE	5xFT(25) ø28x4 FALLS			
POWER SOURCE	AC#3 220,380,440,460,480V 60Hz			
TRAVERSING RAIL	37, 50 KG/M			
GROSS WEIGHT	8600 KG			

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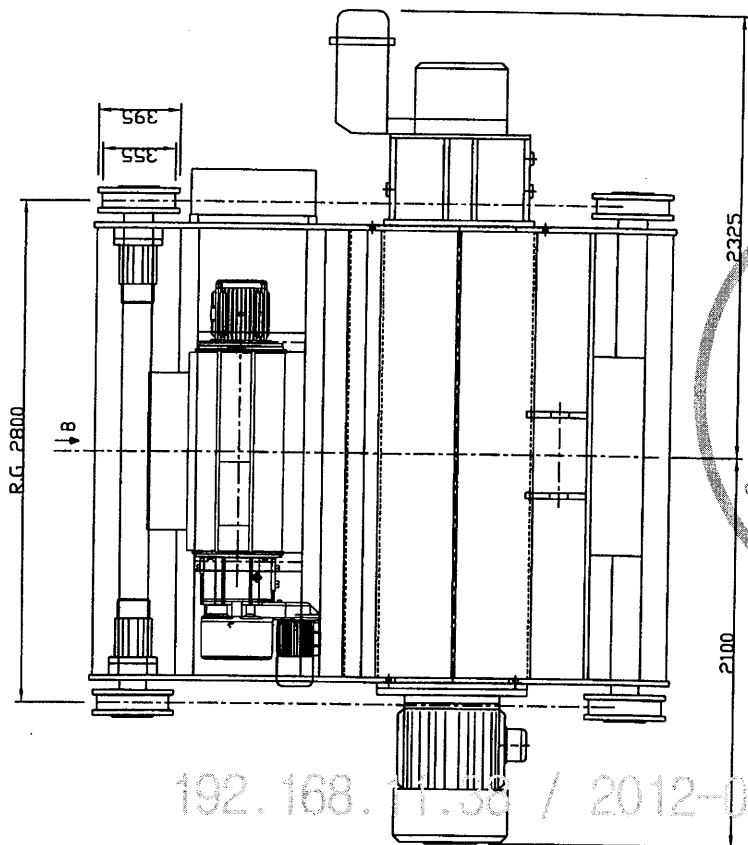
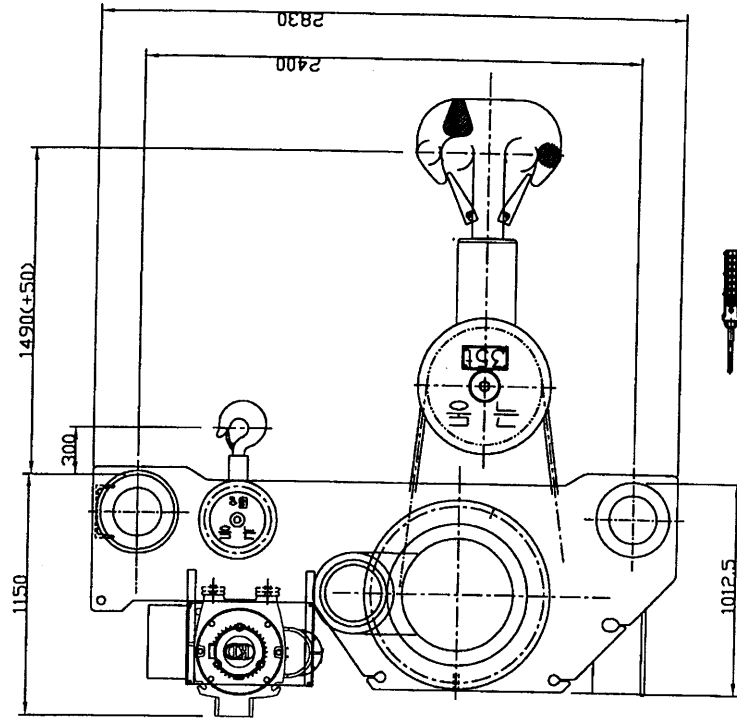
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VIEW A

정격하중
500KG

100-020-0000

VIEW B



SPECIFICATION			
HOIST	MAIN	AUX	
HOISTING LOAD	35000 KG	5000 KG	
TEST LOAD	43750 KG	6250 KG	
LIFT	30 M	30 M	
HOISTING	4.8/0.48 M/MIN	5.6/0.56 M/MIN	
HOISTING	HIGH	HIGH	
TRAVELING	15 M/MIN	5.5/1.5KW x 6P	
TRAVELING	HIGH	HIGH	
WIRE ROPE	6x1(25) 42Bx4 FALLS	2.2KW x 4P (2UNIT)	
POWER SOURCE	AC#3 220,380,440,460,480V 60Hz	16x2 FALLS	
TRAVELING RAIL	37. 50 KG/M		
GROSS WEIGHT	9500 KG		

극동호이스트
정격하중
35000KG
VIEW A

극동호이스트
정격하중
5000KG
VIEW B

NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	REMARKS.
PROJECT					
DATE					
DIM mm					
SCALE					
PROJECTION					
3rd					
REF. DRAWING					
TITILE					
KDC35/5-L30-MA					
ARRANGEMENT DRAWING FOR HOIST					
DRAWN					
DESIGNED					
CHECKED					
APPROVED					
SHEET No. DWG No.					
KDC355300					

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

192.168.11.38 / 2012-07-18 08:59:22

한국산업안전보건공단
Korea Occupational Safety & Health Agency

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ELECTRICAL SYMBOL LIST

DESCRIPTION	SYMBOLS
3 PHASE SQUIRREL CAGE ROTOR INDUCTION MOTOR	
3 PHASE WOUND ROTOR INDUCTION MOTOR	
DC MAG. BRAKE DISK TYPE	
THRUSTOR DBAKE	
AC-DC MAG. BRAKE	
SC BRAKE	
EC BRAKE	
RECTIFIER	
LOAD LIMITER ELECTRICAL TYPE	
ELECTRONIC OVER CURRENT RELAY	

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	

DESCRIPTION	MAKE	BREAK
MAGNETIC & RELAY CONTACTOR		
ON DELAY TIME CONTACTOR		
OFF DELAY TIME CONTACTOR		
EOCR OR THERMAL RELAY CONTACTOR		
THERMOSTAT		
LIMIT SWITCH		
PUSHBUTTON SWITCH		
EMERGENCY PUSHBUTTON SWITCH		
KEY SWITCH		
FOOT SWITCH		

DESCRIPTION	MAKE	BREAK
PUSHBUTTON SWITCH 1BUTTON 2STEP TYPE		
TOGGLE SWITCH OR SELECTOR SWITCH		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Korea Occupational Safety & Health Agency																				
192.168.11.38 / 2012-07-18 08:59:22																				
CUSTOMER																				
DRAWING TITLE		SYMBOL LIST 1/2																		
REVISIONS																				
DATE	CHK.	APP.																		
DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.													
KID		국동호이스트 주식회사			NONE			KDSM0001												
KUK DONG HOIST CO., LTD.		DWG. NO.																		

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

ELECTRICAL SYMBOL LIST

DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS
WIRE INTERNAL TO ENCLOSURE		CONTROLLER OR REMOTE CONTROLLER CONTACTOR		SOLENOID COIL		FLOOD LIGHTING		RESISTOR		RECEPTACLE											
WIRE EXTERNAL TO ENCLOSURE		UPPER LIMIT SWITCH (LS-II)		RESISTOR																	
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		AMMETER		LOAD CELL																	
AUX. RELAY COIL		VOLT METER		BALLAST WITH RECEPTACLE																	
TIMER COIL		FLUORESCENCE LAMP		FAN																	

MK	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.	
					KID				KUK DONG HOIST CO., LTD.				KDSM0002
					SYMBOL LIST 2/2				NONE				

ELECTRICAL SPECIFICATION

POWER SOURCE : AC 3Φ 220V, 380V, 440V, 460V, 480V 60Hz

CONTROL SOURCE : AC 1Φ 110V 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	33KW x 6P 30 MIN	126.60 A	50.0 sq	77.30 A	25.0 sq	63.3 A	60.5 A	58.0 A	16.0 sq	DC MAG. BRAKE	
	3.7KW x 4P 30 MIN	16.00 A	4.0 sq	9.30 A	4.0 sq	8.0 A	7.7 A	7.3 A	4.0 sq	DC MAG. BRAKE	
AUX 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	
TRAVERSING	2.2KW x 4P 30 MIN	10.00 A	4.0 sq	5.80 A	4.0 sq	5.00 A	4.80 A	4.60 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 (NORMAL LOAD)		136.60 A	50.0 sq	83.10 A	35.0 sq	68.3 A	65.30 A	62.60 A	25.0 sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL (PEAK LOAD)		138.60 A	50.0 sq	85.10 A	35.0 sq	70.3 A	67.30 A	64.60 A	25.0 sq	I(A)=M/H + T/S + ASS'Y	

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

* 위 계산은 LIFT 12, 18M에 적용

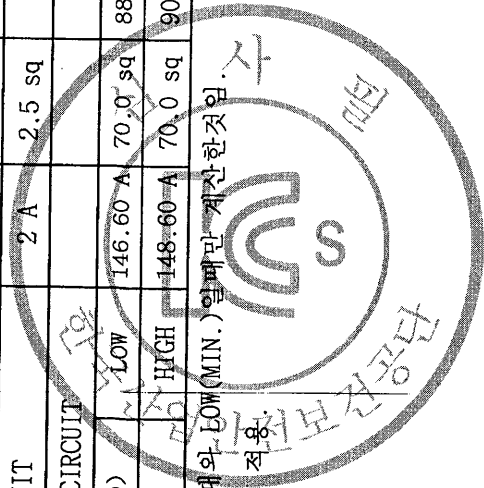
ELECTRICAL SPECIFICATION

POWER SOURCE : AC 3Φ 220V, 380V, 440V, 460V, 480V 60Hz
CONTROL SOURCE : AC 1Φ 110V 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	MAIN	33KW x 6P 30 MIN	126.60 A	50.0 sq	77.30 A	25.0 sq	63.3 A	60.5 A	58.0 A	16.0 sq	DC MAG. BRAKE
	CREEP	3.7KW x 4P 30 MIN	16.00 A	4.0 sq	9.30 A	4.0 sq	8.0 A	7.7 A	7.3 A	4.0 sq	DC MAG. BRAKE
AUX HOIST	MAIN	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
	CREEP	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
TRAVERSING	2.2KW x 4P 30 MIN	10.00 A	4.0 sq	5.80 A	4.0 sq	4.0 sq	5.00 A	4.80 A	4.60 A	4.0 sq	DC MAG. BRAKE
	CONTROL CIRCUIT	2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2 A	2.5 sq	2 DRIVE
LIGHTING & ACC'Y CIRCUIT											
SUB TOTAL (NORMAL LOAD)		LOW	146.60 A	70.0 sq	88.90 A	35.0 sq	73.3 A	70.10 A	67.20 A	25.0 sq	I(A)=M/H + T/S + ASS'Y
SUB TOTAL (PEAK LOAD)		HIGH	148.60 A	70.0 sq	90.90 A	35.0 sq	75.3 A	72.10 A	69.20 A	25.0 sq	I(A)=M/H + T/S + ASS'Y

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

* 위 계산은 LIFT 24,30M에 적용



NO	DESCRIPTION	CABLE SIZE
1	MAIN EARTH LINE	USER SCOPE
2	POWER SOURCE	USER SCOPE
3	TROLLEY BAR	USER SCOPE
4	POWER SOURCE WITH EARTH	USER SCOPE
5	HOIST POWER SOURCE WITH EARTH	VCT 70.0SQ x 1C
6	35T HOIST POWER SOURCE WITH EARTH	VCT 50.0SQ x 1C
7	35T CREEP HOISTING MOTOR WITH EARTH	VCT 4.0SQ x 1C
8	5T HOIST POWER SOURCE WITH EARTH	VCT 10.0SQ x 1C
9	5T CREEP HOISTING MOTOR WITH EARTH	VCT 4.0SQ x 1C
10	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C

* CV CABLE 4C중 1C는 EARTH로 사용함.

- NOTE -
- 전동기 외함, 제어반의 프레임 등은 접지하
여 그 접지 저항은
400V 미만 : 100옴을 이하로함.(3중 접
400V 이상 : 10옴을 이하로함.(즉 3중접지)
2.MAIN S/W BOX는 3중 접지 요.

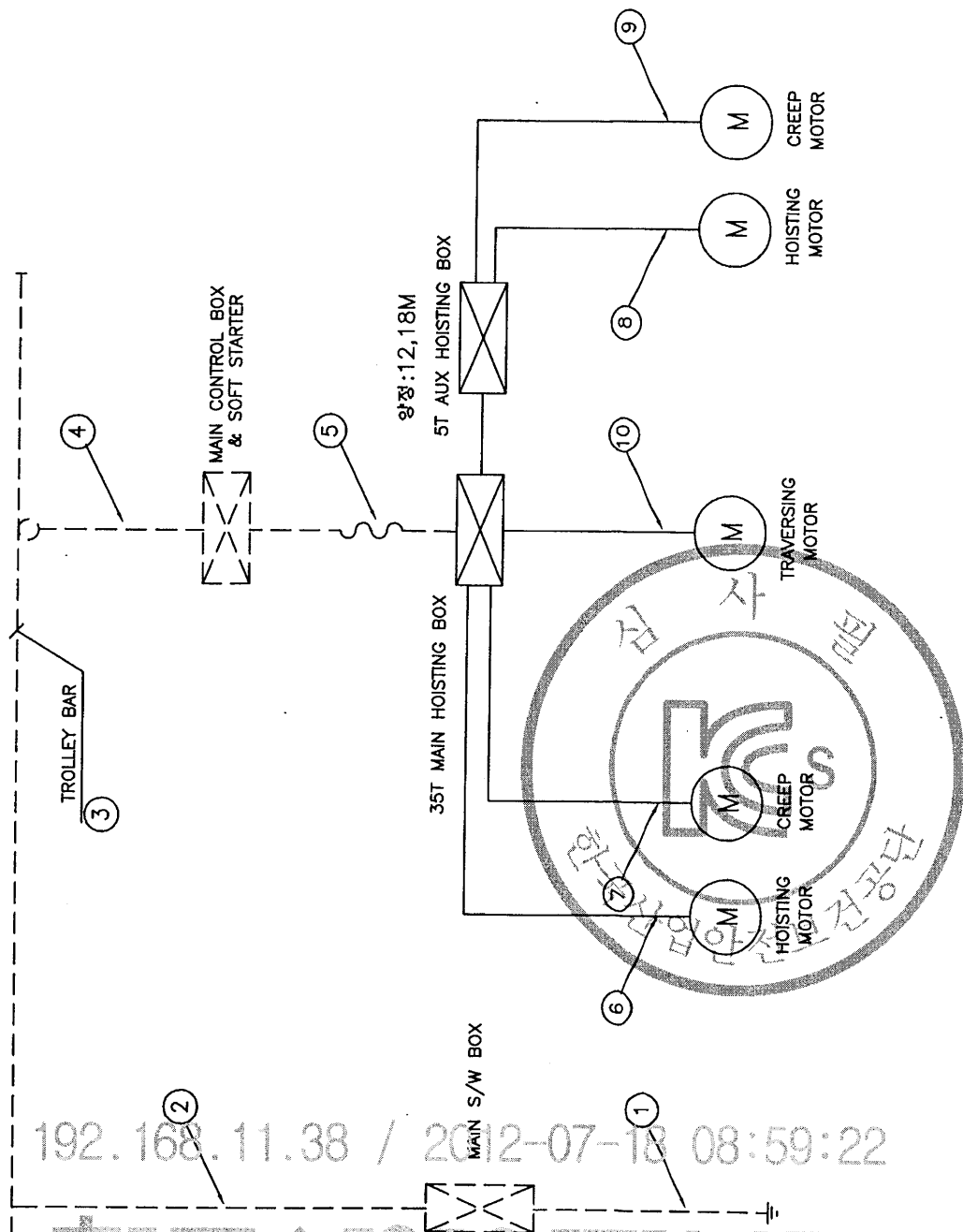
USER SCOPE

KUKDONG SCOPE

동전위점지

- 전기장비와 기계의 노출된 모든 도전부는 보호분리회로에 연결되어야 하며
적절한 접지연속성 기능이 유지되어야함.
- 보호분리회로는 기계가, 과전류보호장치가 부착되지 않아야 한다.

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



DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
EARTH DETAILS DRAWING						
KUKDONG HOIST CO., LTD.						KDC355-EC00
CUSTOMER						
DRAWING TITLE						
REVISIONS	CHK.	APP.				
DATE						

192.168.11.38 / 2012-07-18 08:59:22

192.168.11.38 / 2012-07-18 08:59:22

11	12	13	14	15
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Diagram illustrating a bridge section with a central pier (labeled 4) and two side piers (labeled 7 and 8). The bridge deck is labeled 10. The diagram shows the structural layout of the bridge, including the piers and the deck.

3	4	5	6
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1	2
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192. 10

국

KOREA

* CV CABLE 4C중 1C는 EARTH로 사용함.

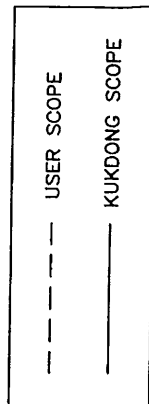
- NOTE -

1. 권동기 외함, 재어반의 프래임 등은 겹지하

400V 미만 : 100오를 이하일것.(3층 이하)

400V 이상 : 10오류 (이상 3종중 2)

2.MAIN S/W BOX는 3층 설치 요.

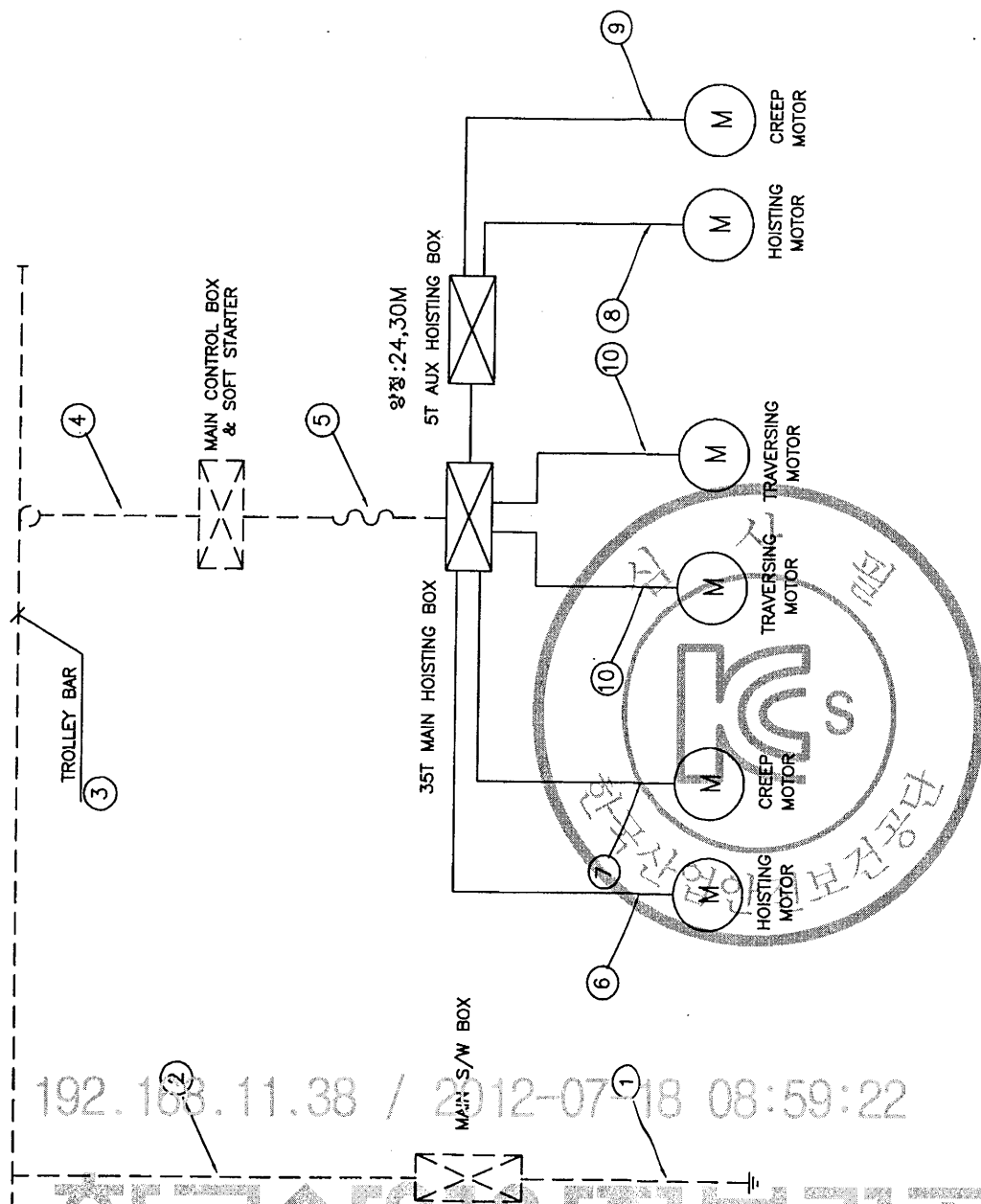


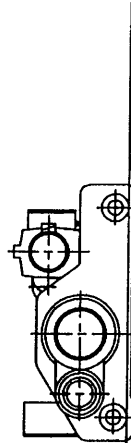
고려시대

1. 편기장비와 기기의 노출된 모든 도전부는 보호분리벽에 연결되어야 하며
적절한 접지연속성 기능이 유지되어야함.

2. 보호본영회로는 기계기, 과전류보호장치가 부착되지 않아야 한다.

시험대상 전선의 피스 유형단면적	피고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

[illegible]



본 도면은 EARTH를 영기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCES임

*3중 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*특3중 접지공사 100 이하 (AC 3PH 400V 이상)

1. 전기장비와 기계의 노를릴 모는 운전부는 보호반동회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.
2. 보호반동회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

CABLE							
NO	TYPE	SIZE			TYPE	SIZE	REMARK
		220V	380V				
1	VCT	MAIN	50sq	25sq	VCT	16sq	M/H MOTOR WITH EARTH
		AUX	10sq	6.0sq		6.0sq	A/H MOTOR WITH EARTH
2	VCT	MAIN	4.0sq	4.0sq	VCT	4.0sq	M/H CREEP MOTOR WITH EARTH
		AUX	4.0sq	4.0sq		4.0sq	A/H CREEP MOTOR WITH EARTH
3	VCT	10sq		6.0sq	VCT	4.0sq	A/H POWER WITH EARTH
4	VCT	4.0sq		4.0sq	VCT	4.0sq	T/S MOTOR WITH EARTH
5	VFCT	HIGH	50sq	35sq	VFCT	25sq	MAIN POWER WITH EARTH
		LOW	50sq	35sq		25sq	

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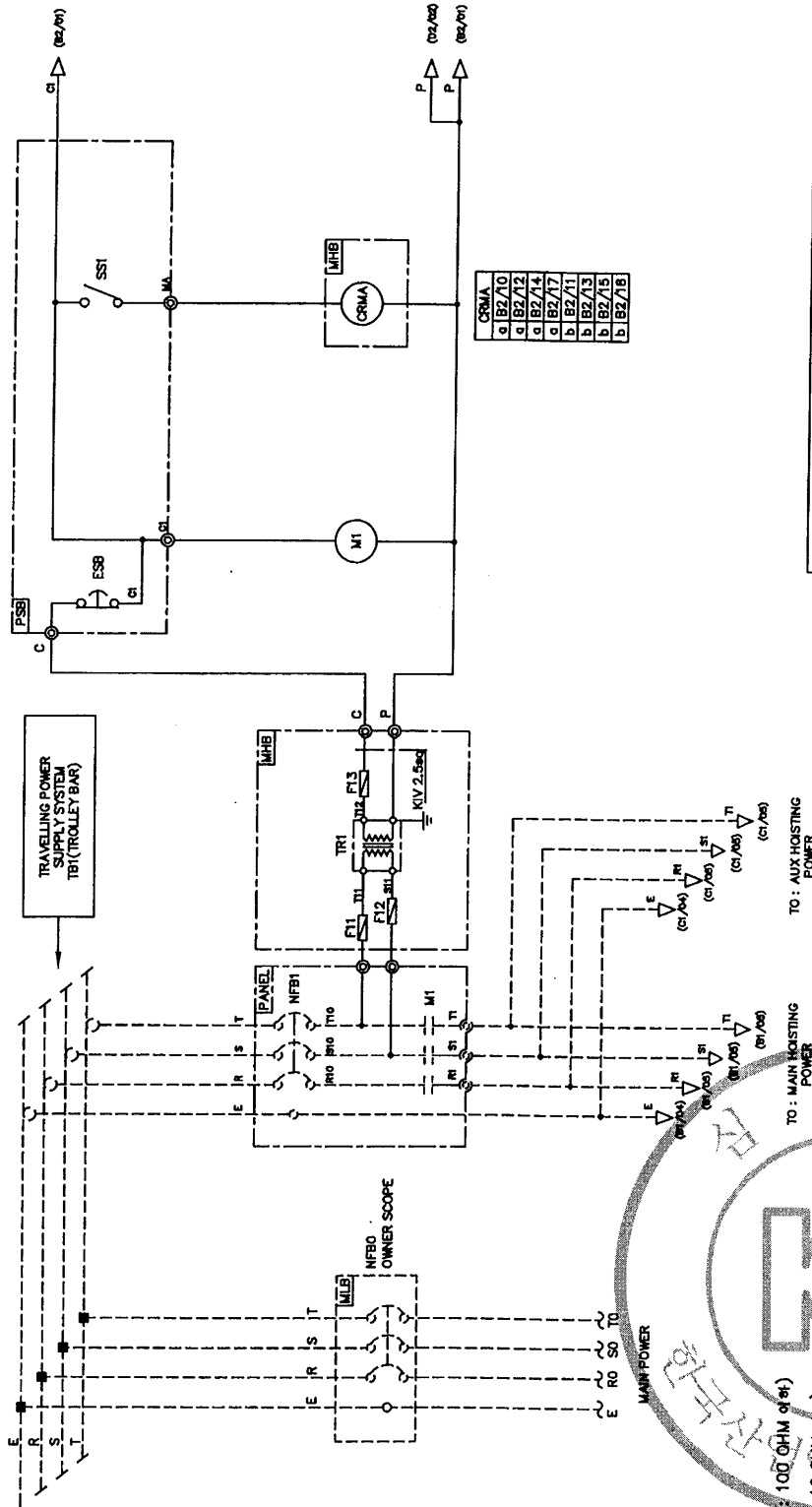
①

RAILING	mm
LIFT	m
POWER SOURCE	V Hz
AMP'S R&T HOIST	A
AMP'S R&T TRAV.	A
WIRE ROPE	Ø
WEIGHT	kg
SERIAL	

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

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CONTROL									
COMMON PROTECTION										ON-OFF									
										ADR'S NO.									
										A1									



POWER SOURCE AC 3Ø 60Hz					
SELECTION	VOLTAGE	MCCB 100	F11 F12	F13	TR1 (TRANSFORMER)
→	220V	225AF/175AT	3 A	5 A	AC 220/110,120V (300VA)
→	380V	203AF/125AT	2 A	5 A	AC 380/110,120V (300VA)
→	440V	103AF/100AT	2A	5 A	AC 440/110,120V (300VA)
→	460V	103AF/100AT	2A	5 A	AC 460/110,120V (300VA)
→	480	103AF/100AT	2A	5 A	AC 480/110,120V (300VA)

1. --- MARKED OWNER SCOPE

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

3. MAIN BOXES : CRANE 제각시 CRANE MARKER SCOPE

4. HOIST 단동시 HOIST BOX 내 M1 설치함.

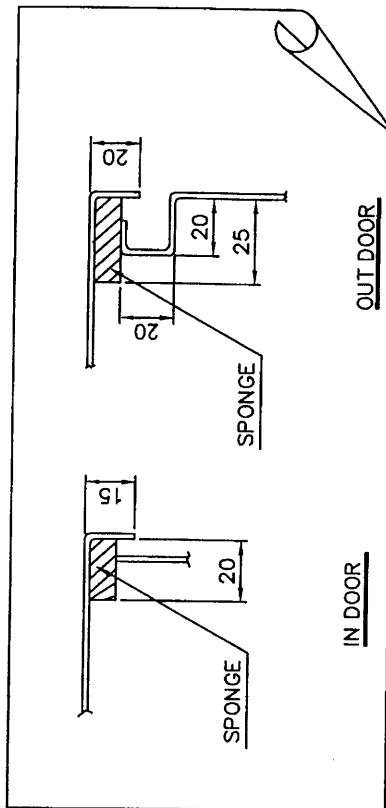
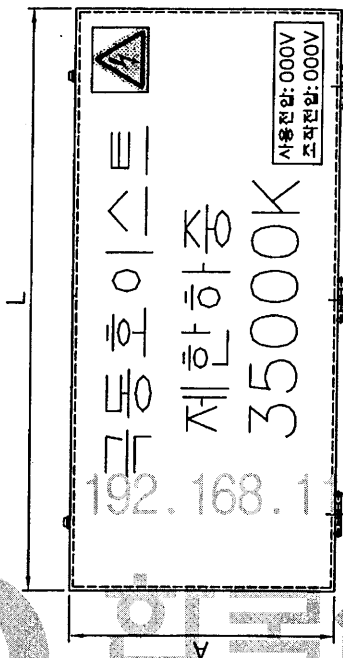
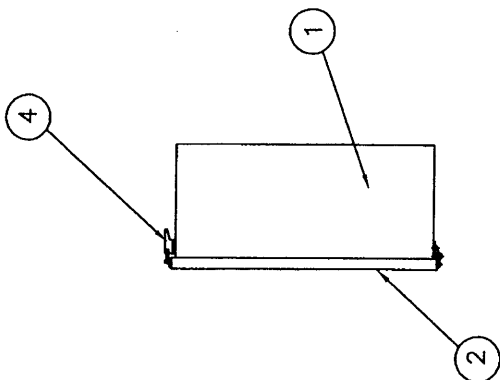
1. 전선의 색상은 다음과 같다. 2. 표시물의 색상은 다음과 같다. 3. 조차버전의 색상은 다음과 같다.
- 1) 적 색 : 비상
 - 2) 황 색 : 경고
 - 3) 녹 색 : 지면
 - 4) 청 색 : 안전
 - 5) 회 색 : 일반

△																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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ADR'S NO.

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

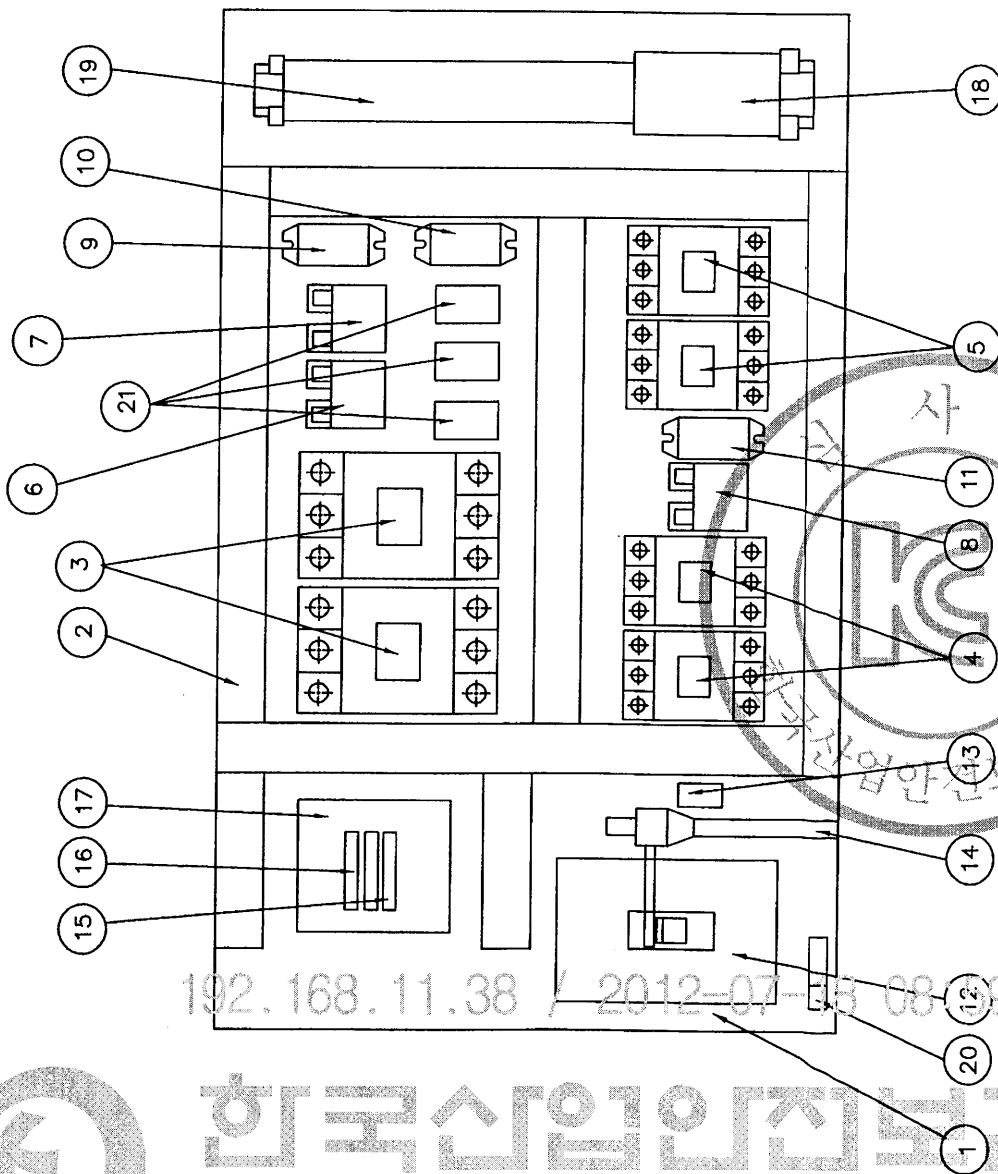
- PROTECTION DEGREE ;
A. INDOOR TYPE : DUST PROOF
B. OUT DOOR TYPE : SPLASH PROOF
- FINAL PAINTING COLOR (MUNSELL NO.)
A. IN SIDE : 10B 3/5
B. OUT SIDE : 10B 3/5
- PAINTING THICKNESS : ABOVE 40 μ m
- APPLICATION VOLTAGE : AC3 ϕ 220V(380V,440V,460V,480V)
- OPERATION VOLTAGE : AC1 ϕ 110,120V
- 제어용전선 : 2.5sq KIV, HIV
- 외함 개방 구조는 다음과 같다.
1) 외함 개방시 중전부분이 차단되도록 한다.
2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의 격점 접촉 방호가 되어있을것.

SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR			OUT DOOR			REMARK
			A	B	L	A	B	L	
	35 TON	NORMAL	680	220	940	690	220	950	
		CREEP	680	220	940	690	220	950	

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
DRAWING TITLE						DWG. NO
KDC35TON HOISTING CONTROL BOX LAY-OUT						
REVISIONS	CHK.	APP.				
MK	DATE					
			KDC35EB0			

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NOTE

1. 전선의 색상은 다음과 같다.
 - 1) 흑색 : 로투 및 작루 전선코로
 - 2) 파색 : 코루제이로
 - 3) 파황색 : 외부에서 공급되는 전선중작 제이로
 - 4) 흑색 또는 녹색과 황색 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV/HIV
4. 제자시 다소 전선 불수있을.
5. 의함 기갑구조는 다음과 같을것.

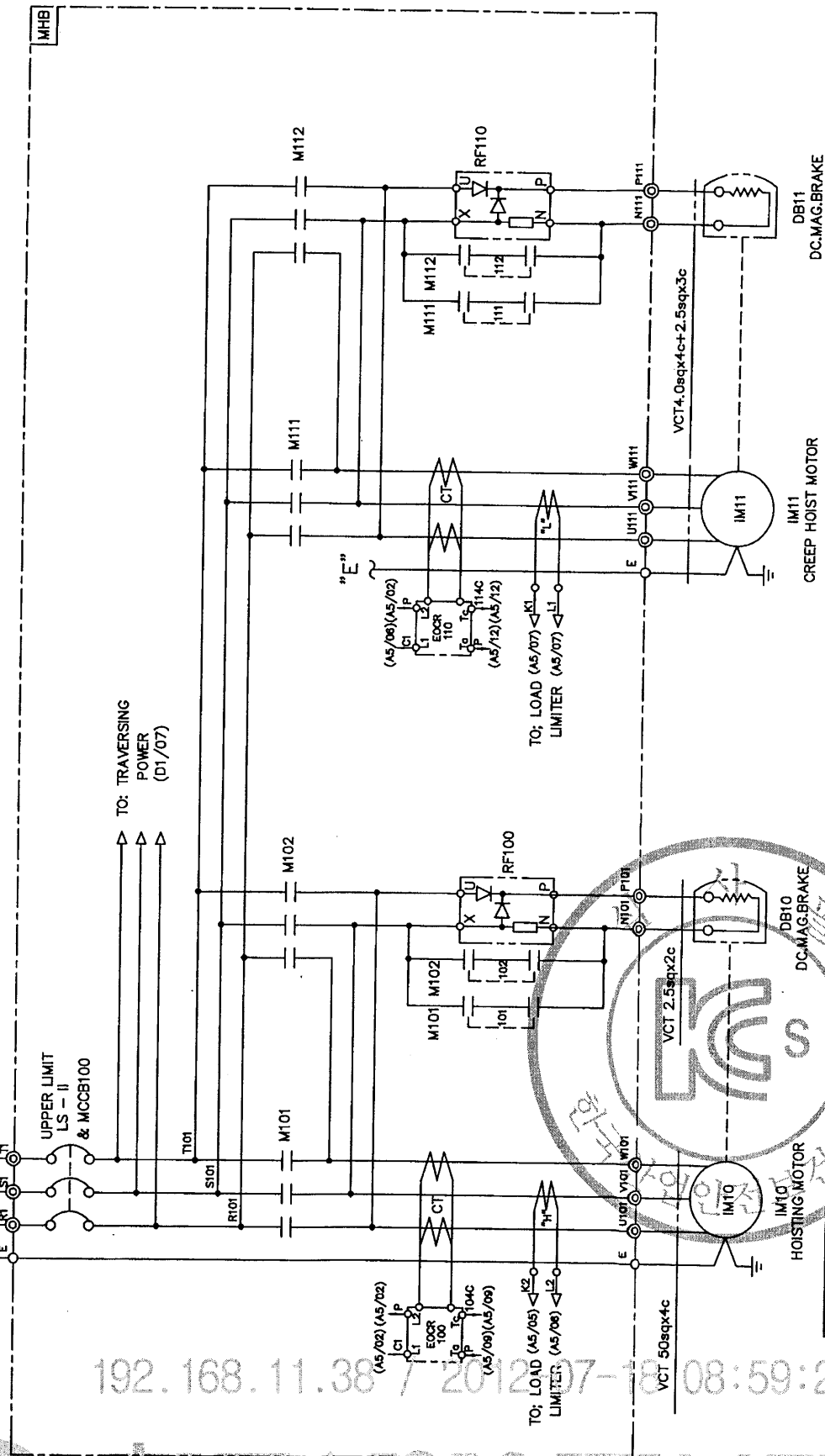
- 1) 의함 기갑시 용전부분이 차단되도록 할것.
- 2) 의함 기갑후 용전되어있는 부분은 IP2X 이상의 방전 격벽을 할것.

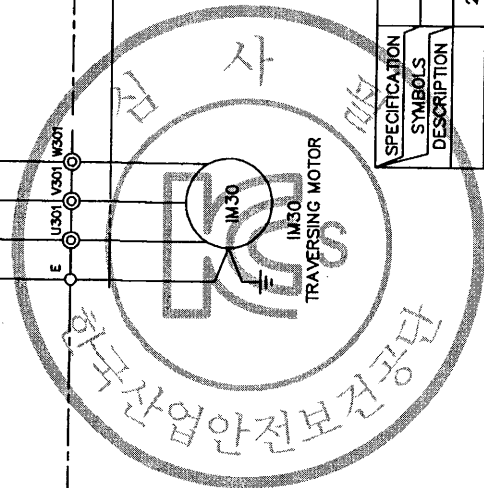
NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	아 업 토 플
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	MC-330a	2	HOISTING
4	MAGNET CONTACTOR	DMC48C	2	CREEP HOISTING
5	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-150	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-30	1	TRAVERSING
12	N.F.B	203AF/175AT	1	LS-2
13	UPPER LIMIT	AC 800V/3A	1	LS-1
14	LIMIT LEVER	SS-41	1	
15	FUSE	3 A	2	
16	FUSE	5 A	1	
17	TRANSFORMER	220V/110,120V, 300VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5t±25±50	1	
21	RELAY & SOCKET	4c4b	3	

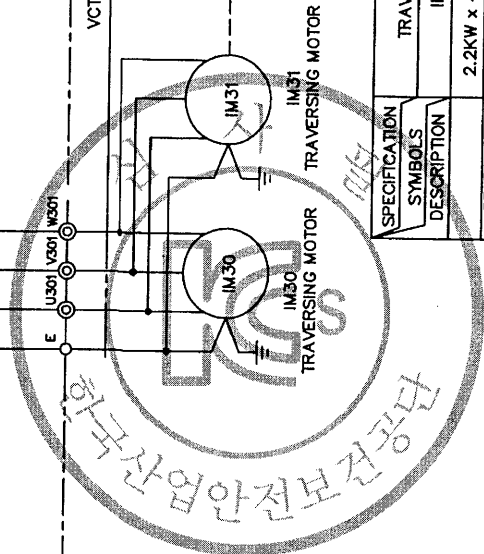
NOTES

1. UPPER LIMIT LS-1의 전압 허용 전류 용량: AC 800V 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량: NFB 225AF 175AT
3. EARTH TERMINAL RESISTANCE: 0.018 Ω
4. POWER SOURCE: AC 3 ϕ 220V 60HZ

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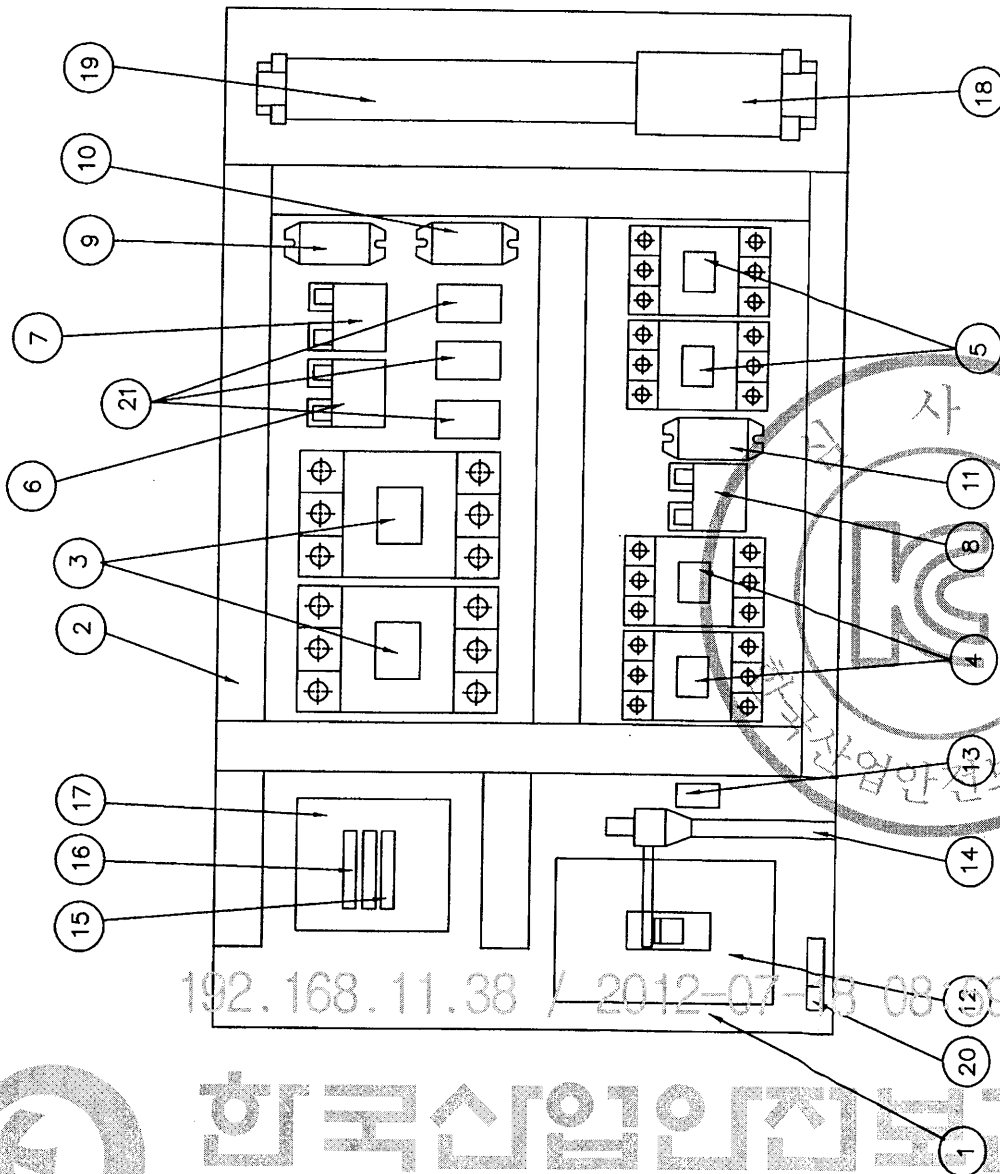
한국산업안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH

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																			ADR'S NO.

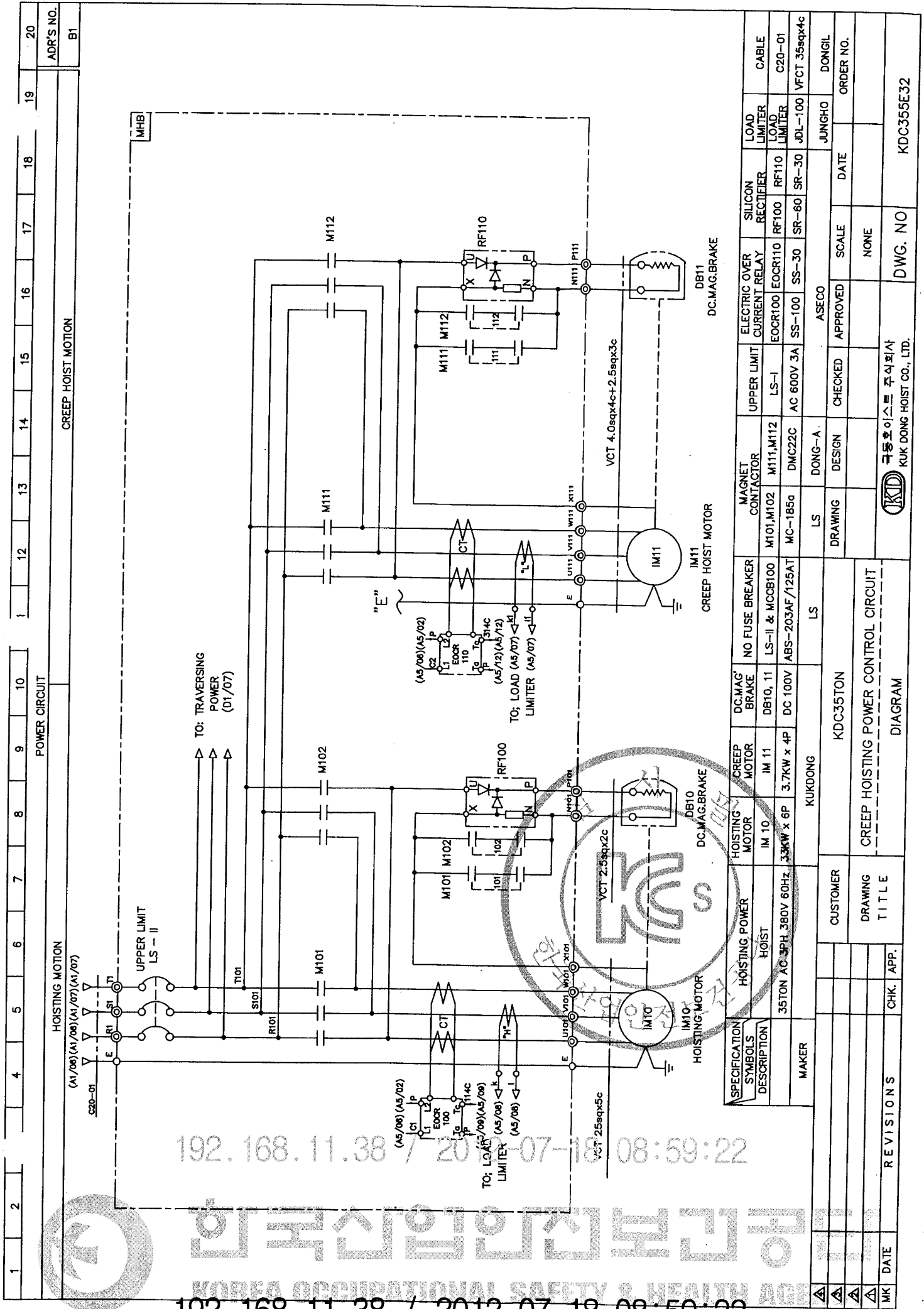
NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	아임 도금
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	MC-185q	2	HOISTING
4	MAGNET CONTACTOR	DMC4BC	2	CREEP HOISTING
5	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
6	SILICON RECTIFIER	SR-80	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-100	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-30	1	TRAVERSING
12	NFB	203AF/125AT	1	LS-2
13	UPPER LIMIT	AC 800V/3A	1	LS-1
14	LIMIT LEVER	SS400	1	
15	FUSE	2 A	2	
16	FUSE	5 A	1	
17	TRANSFORMER	380V/110,120V, 300VA	1	
18	TERMINAL BLOCK	60A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	RELAY & SOCKET	4x4b	3	

- NOTE 1. 전선의 색상은 다음과 같다.
 1) 흑색 : 교류 및 교류 전형선로 5) 청색 : 교류 제어회로
 2) 적색 : 교류 제어회로
 3) 주황색 : 외부에서 공급되는 연동장치 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. 제지선 : 다소 단경 불수있음
 5. 외함 기방구멍은 다음과 같을것.
 1) 외함 개방시 충전부분이 차단되도록 할것.
 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 격전 접촉 방호가 되어있을것.



- NOTES
 1. UPPER LIMIT LS-1의 절단 허용 전류 용량 : AC 800V, 3A
 2. UPPER LIMIT LS-2의 절단 허용 전류 용량 : NFB 225AF /125AT
 3. EARTH TERMINAL RESISTANCE : 0.018 Ω
 4. POWER SOURCE : AC 3φ 380V 60HZ

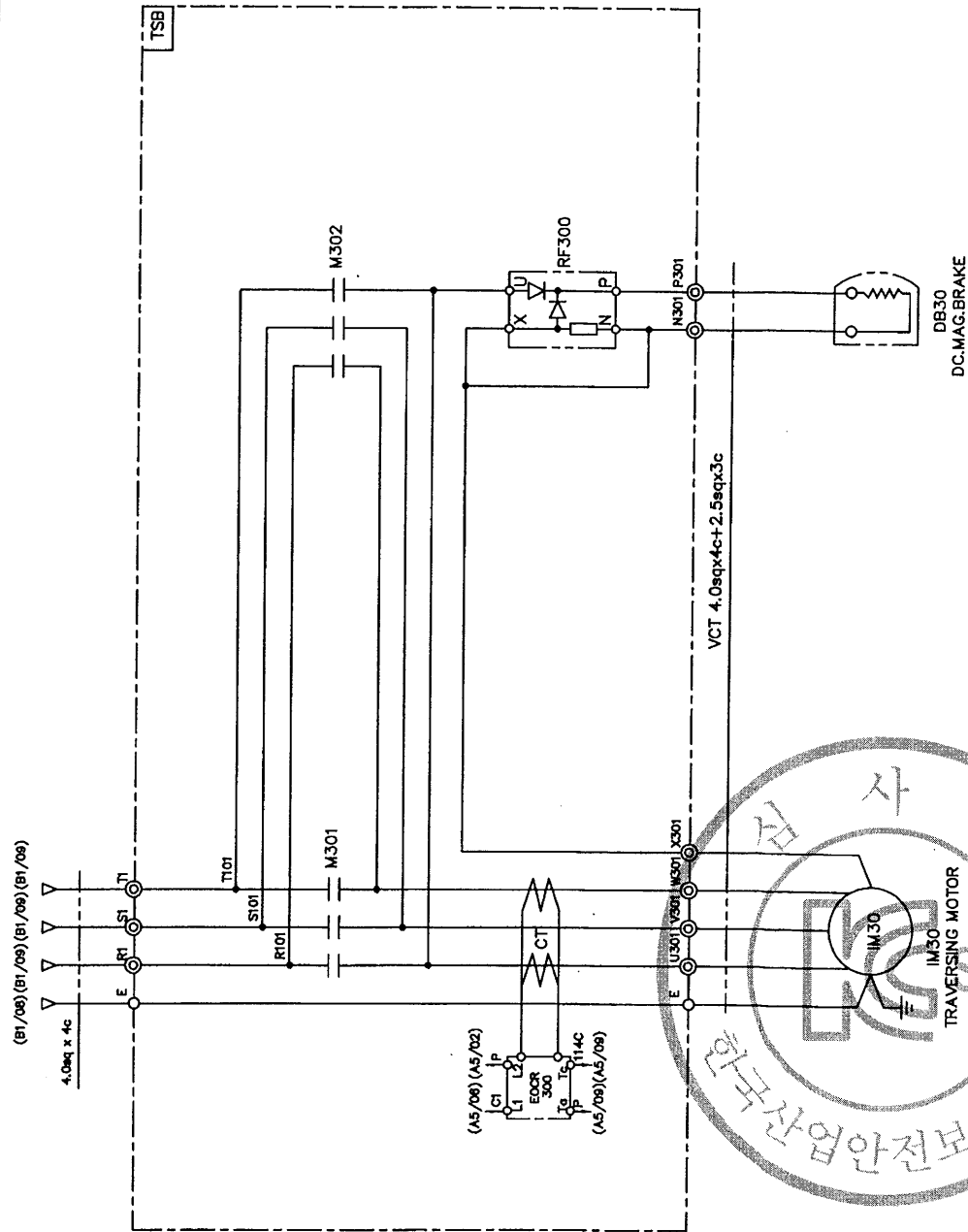
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
KDC35TON				NONE		
CREEP HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
KUD KUK DONG HOIST CO., LTD.						KDC35BA31A
DATE	REVISIONS	CHK.	APP.			
MK						



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POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			D1



SPECIFICATION SYMBOLS		DESCRIPTION		SELECTION MAKER		DRAWING		CUSTOMER		DRAWING TITLE		REVISIONS		DATE		CHK.		APP.	
TRAVERSING MOTOR	IM 30	2.2KW x 4P AC 3PH 380V 60Hz		KUKDONG		DC MAG. BRAKE	DB 30			KDC35/5TON									
MAGNET CONTACTOR	M301, M302	DC 100V				DC MAG. BRAKE	DB 30												
SILICON RECTIFIER	RF 300	SS-30				DC MAG. BRAKE	DB 30												
ELECTRIC OVER CURRENT RELAY	EOCR 300	SS-30				DC MAG. BRAKE	DB 30												
LIMIT SWITCH	LS-301, LS-302	HY - M904				DC MAG. BRAKE	DB 30												
ASECO																			
KUKDONG										KDC35/5TON									
DONG-A										KDC35/5TON									
NONE										NONE									
DATE										DATE									
DWG. NO										DWG. NO									
KDC355E34										KDC355E34									

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한국산업안전보건공단

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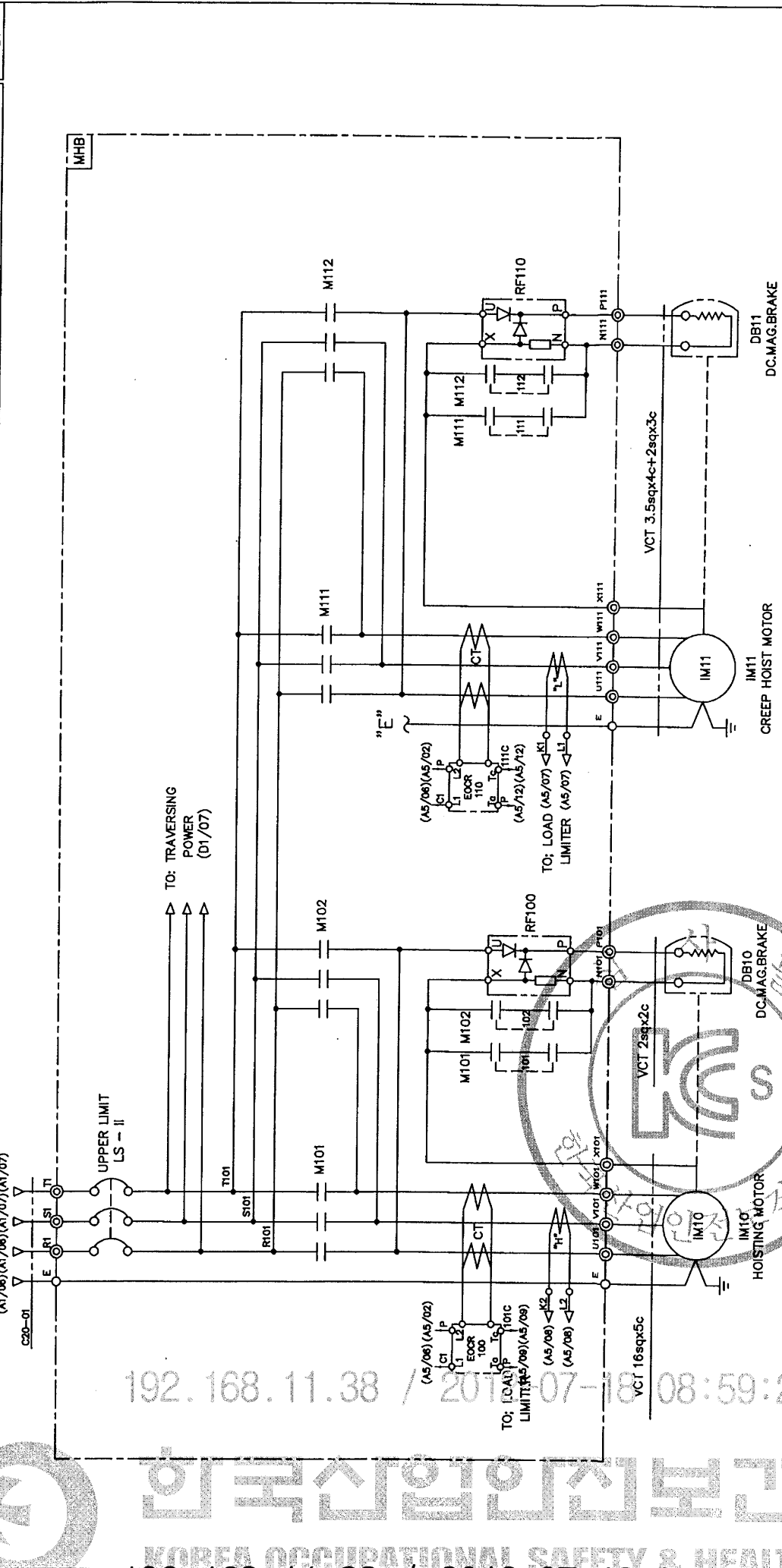
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NOTE

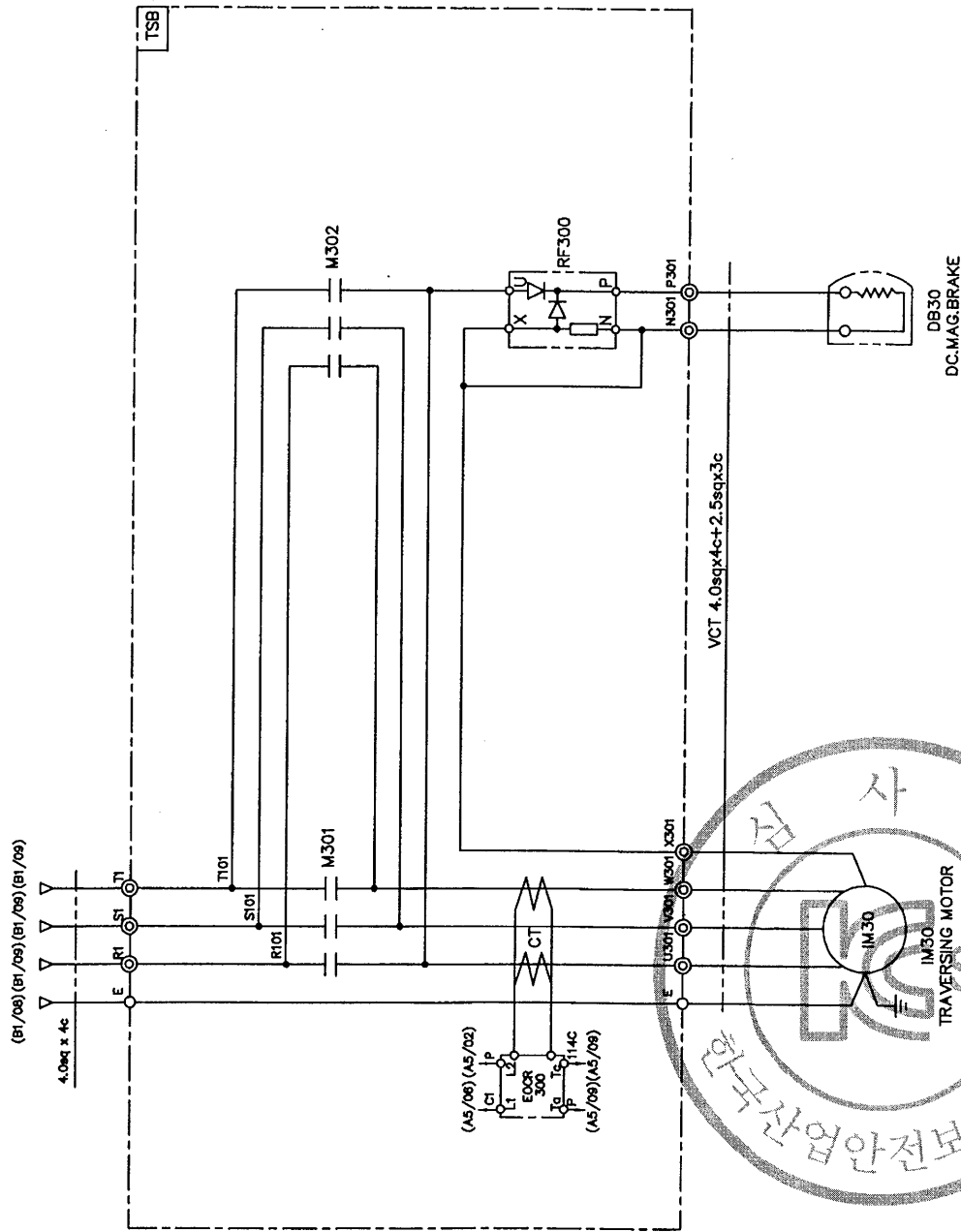
1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 800V 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 1034F / 100AT
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3 ϕ 440V 60HZ

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SPECIFICATION SYMBOLS DESCRIPTION	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE		
	HOIST	IM 10	IM 11	DB10, 11	LS-II & MCCB100	M101, M102	LS-I	EOCR100	RF100	LOAD LIMITER	C20-01		
	35TON AC 3PH 440V 60Hz	3.3KW x 6P	3.7KW x 4P	DC 100V	ABS-103AF/100AT	MC-185a	AC 600V 3A	SS-100	SR-60	JDL-100	VFCT 25sqx4c		
MAKER		KUKDONG				LS	DONG-A	KUKDONG	ASECO		JUNGHO	DONGIL	
	CUSTOMER	KDC35TON					DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
	DRAWING TITLE	CREEP HOISTING POWER CONTROL CIRCUIT									NONE		
	CHK.	APP.	DIAGRAM					 KDK			KDC355E42		
REVISIONS	DATE	WKS	KUK DONG HOIST CO., LTD.					DWG. NO			KDC355E42		

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.																			D1



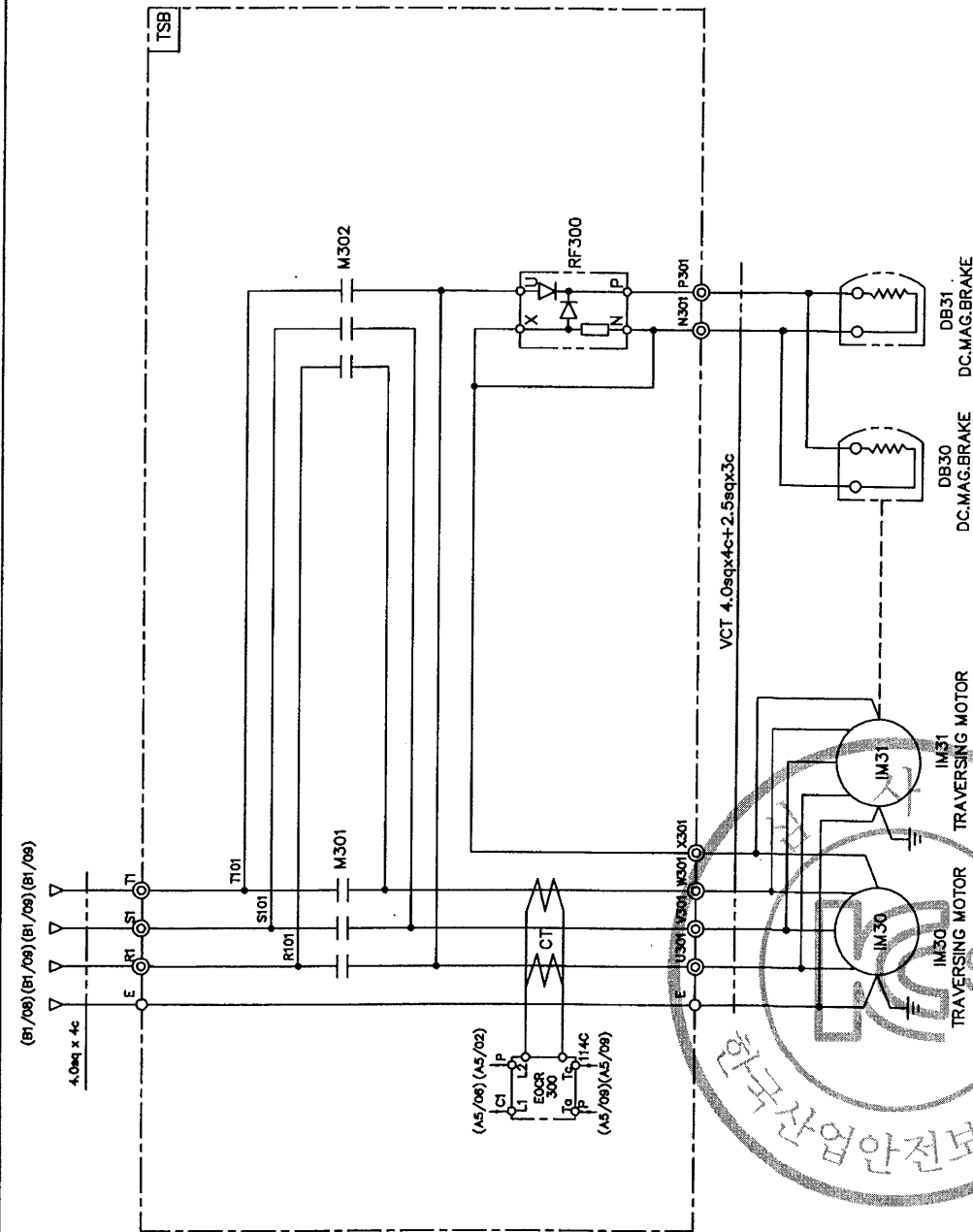
SPECIFICATION SYMBOLS	TRAVERSING MOTOR	DC MAG. BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	LIMIT SWITCH
DESCRIPTION	IM 30	DB 30	M301, M302	RF 300	EOCR 300	LS-301, LS-302
SELECTION MAKER	2.2KW x 4P AC 3PH 440V 60Hz	DC 100V	DMC48C	SR-30	SS-30	HY - M904
KUKDONG						
KDC35/5TON						
TRAVERSING POWER CONTROL CIRCUIT						
DIAGRAM						
CUSTOMER		DRAWING		DATE		ORDER NO.
DRAWING TITLE		DESIGN		SCALE		
REVISIONS		CHECKED		NONE		
CHK. APP.		DONG-A		ASECO		
DATE		KUK DONG HOIST CO., LTD.		DWG. NO		KDC355E44

192.168.11.38 / 2012-07-18 08:59:22

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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																			
TRAVERSING MOTION																			
ADR'S NO.																			D1



SPECIFICATION		SYMBOLS		DESCRIPTION		SELECTION		MAKER		DRAWING		CHECKED		APPROVED		SCALE		DATE		ORDER NO.	
TRAVERSING MOTOR		IM 30, 1M31		2.2KW x 4P AC 3PH 440V 60Hz		KUKDONG		KUKDONG		KDC35/5TON		DONG-A		ASECO							
DC MAG. BRAKE		DB 30, 31		DC 100V																	
MAGNET CONTACTOR		M301, M302		DMC48C																	
SILICON RECTIFIER		RF 300		SR-30																	
ELECTRIC OVER CURRENT RELAY		EOCR 300		SS-30																	
LIMIT SWITCH		LS-301, LS-302		HY - M904																	
CUSTOMER																					
DRAWING TITLE																					
REVISIONS																					
DATE																					
CHK. APP.																					
MK																					

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

TRAVERSING POWER CONTROL CIRCUIT
DIAGRAM

REVISIONS

DATE

CHK. APP.

MK

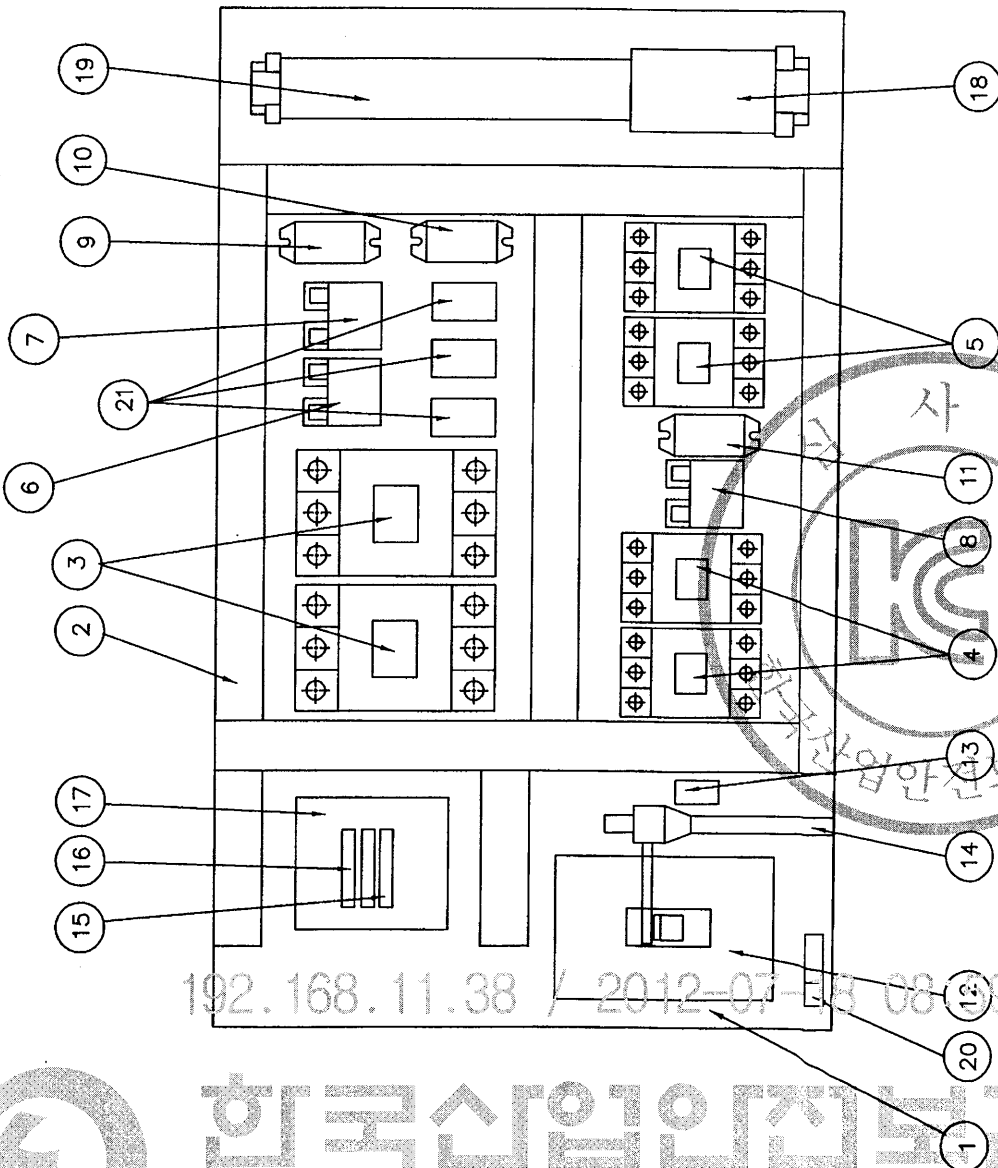
192.168.11.38 / 2012-07-18 08:59:22

한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

192.168.11.38 / 2012-07-18 08:59:22

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



NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	아림 도금
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	MC-185g	2	HOISTING
4	MAGNET CONTACTOR	DMC48C	2	CREEP HOISTING
5	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-100	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-30	1	TRAVERSING
12	N.F.B	103AF/100AT	1	LS-2
13	UPPER LIMIT	AC 800V/3A	1	LS-1
14	LIMIT LEVER	SS400	1	
15	FUSE	2 A	2	
16	FUSE	5 A	1	
17	TRANSFORMER	480V/110,120V, 300VA	1	
18	TERMINAL BLOCK	80A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	RELAY & SOCKET	4x4b	3	

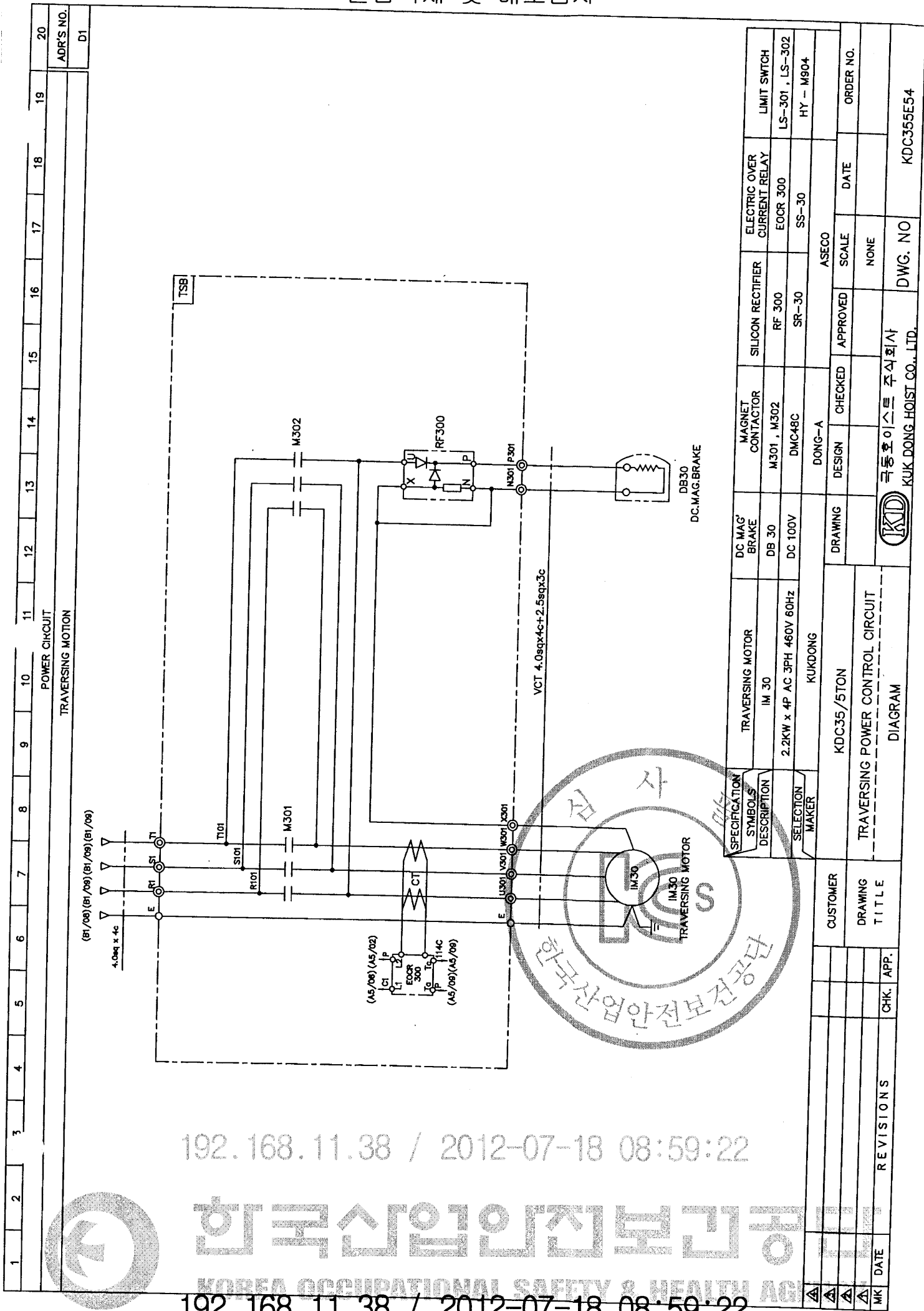
NOTE 1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류 전원선으로 5) 황색 : 직류 제어회로
2) 적색 : 교류 제어회로
3) 주황색 : 외부에서 공급되는 전동장치 제어회로
4) 녹색 또는 녹색과 황색 혼합 : 접지선
2. CABLE MATERIAL : KIVOR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV/HIV
4. 제작시 다소 변경 될수 있음.
5. 외함 개방구조는 다음과 같을것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 적절한 접촉 방호가 되어있을것.

NOTE
1. UPPER LIMIT LS-1의 정격 허용전류 용량 : AC 800V, 3A
2. UPPER LIMIT LS-2의 정격 허용전류 용량 : NFB 103AF/100AT
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3Φ 480V 60HZ



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
KDC35TON					NONE		
CUSTOMER		CREEP HOISTING CONTROL BOX					
DRAWING TITLE		ARRANGEMENT DRAWING					
MK	DATE	REVISIONS	CHK.	APP.	DWG. NO	KDC35BA51A	
						KUK DONG HOIST CO., LTD.	

[illegible]

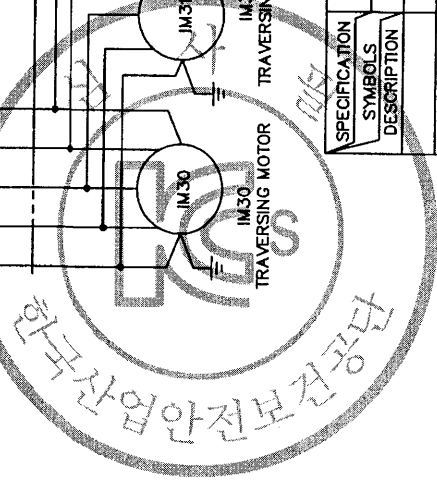


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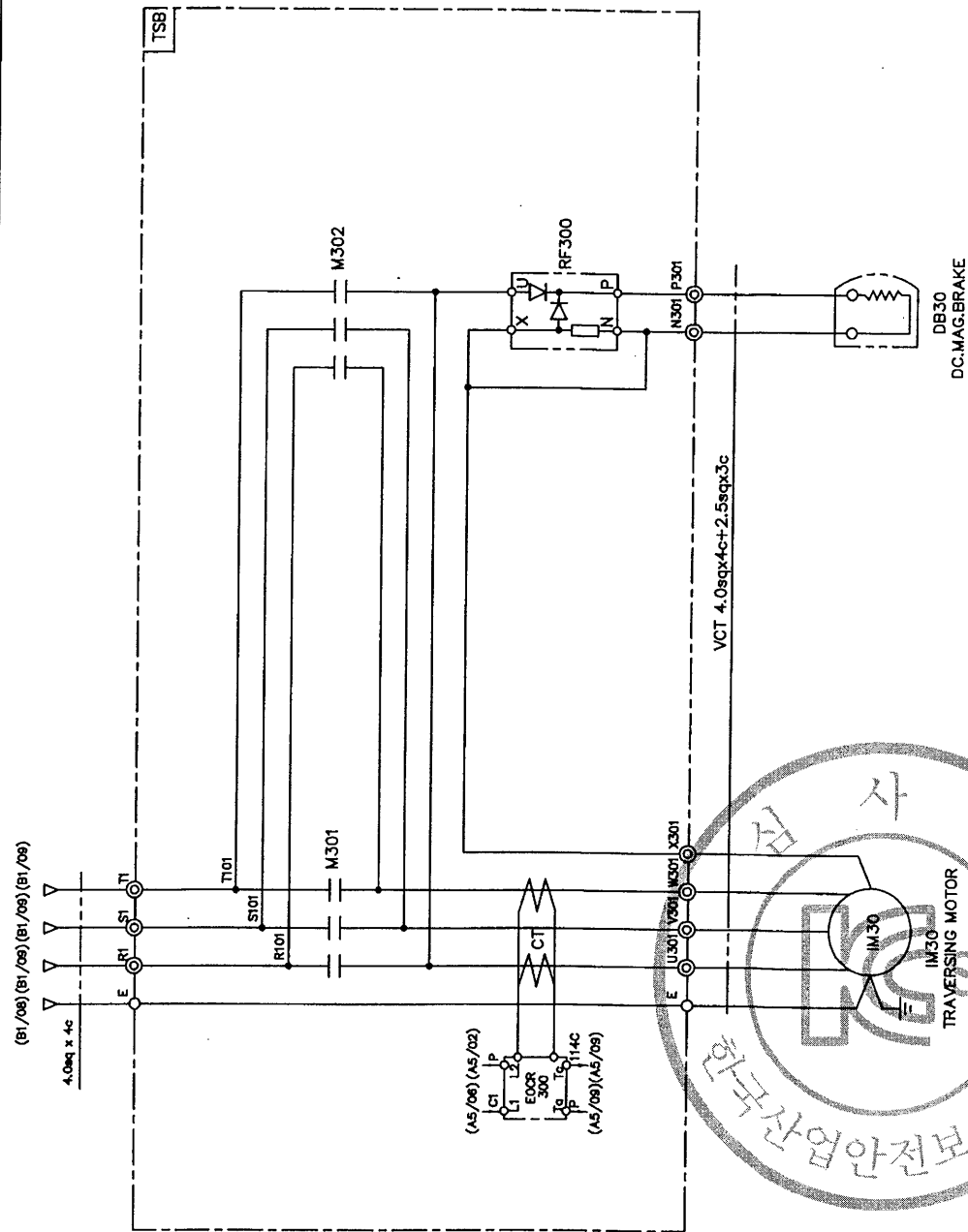
NOTE

1. UPPER LIMIT LS-1의 절점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 절점 허용 전류 용량 : NFB 103AF/100AT
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 480V 60HZ

[illegible]

[illegible]

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.																			D1



SPECIFICATION SYMBOLS		TRAVERSING MOTOR	DC MAG. BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	LIMIT SWITCH
DESCRIPTION		IM 30	DB 30	M301, M302	RF 300	EOCR 300	LS-301, LS-302
SELECTION MAKER		2.2KW x 4P AC 3PH 480V 60Hz	DC 100V	DMC48C	SR-30	SS-30	HY - M904
DRAWING		KUKDONG					
CUSTOMER		KDC35/STON					
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT					
REVISIONS		NONE					
DATE		KUKDONG HOIST CO., LTD.					
CHK. APP.		DWG. NO					
		KDC355E64					

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Technical drawing of a door threshold cross-section, showing two profiles: "IN DOOR" and "OUT DOOR".

IN DOOR Profile:

- Top flange width: 15
- Vertical height of the main body: 20
- Seal: A hatched rectangular area labeled "SPONGE" is located at the bottom of the main body.

OUT DOOR Profile:

- Top flange width: 20
- Vertical height of the main body: 25
- Internal width of the main body: 20
- Bottom flange width: 20
- Seal: A hatched rectangular area labeled "SPONGE" is located at the bottom of the main body.

A perspective view of the threshold is shown at the top right of the drawing.

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 μm

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

5. 제어용 전선 : 2.5sq KIV,HIV

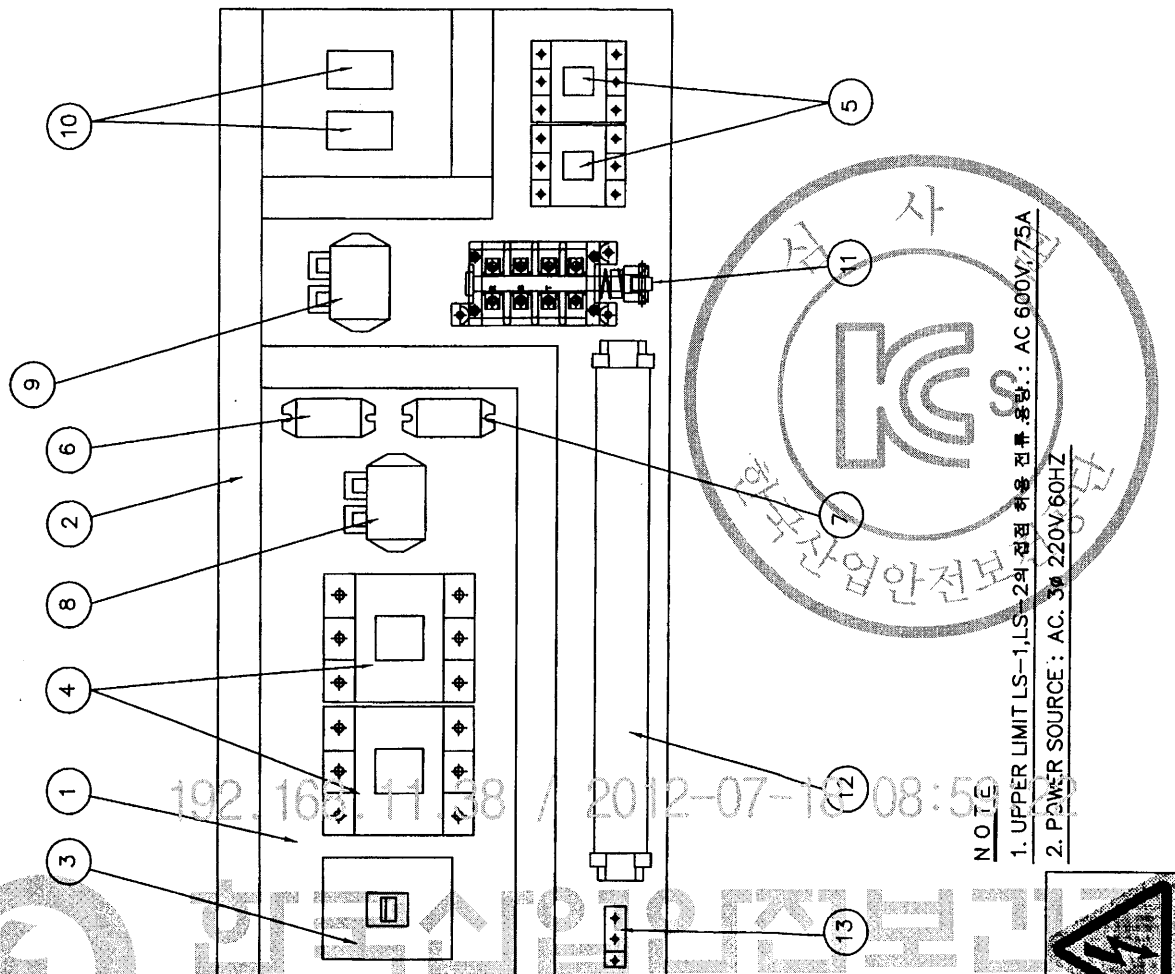
6. 외함 기판 구조는 다음과 같다.

1) 외함 개방시 충전부분이 차단되도록 한다.

2) 외함 기판 후 충전되어있는 부본은 IP2X 이상의

직접 접촉 방호가 되어있을것.

[illegible]



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	MCCB200	ABS 53AF/40AT	1	HOISTING
4	MAGNET CONTACTOR	DMC65C	2	HOISTING
5	MAGNET CONTACTOR	DMC22C	2	CREEP HOISTING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOISTING
10	RELAY & SOCKET	4c4b	2	
11	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
12	TERMINAL BLOCK	60A,15A		
13	EARTH TERMINAL	3tx20x50	1	

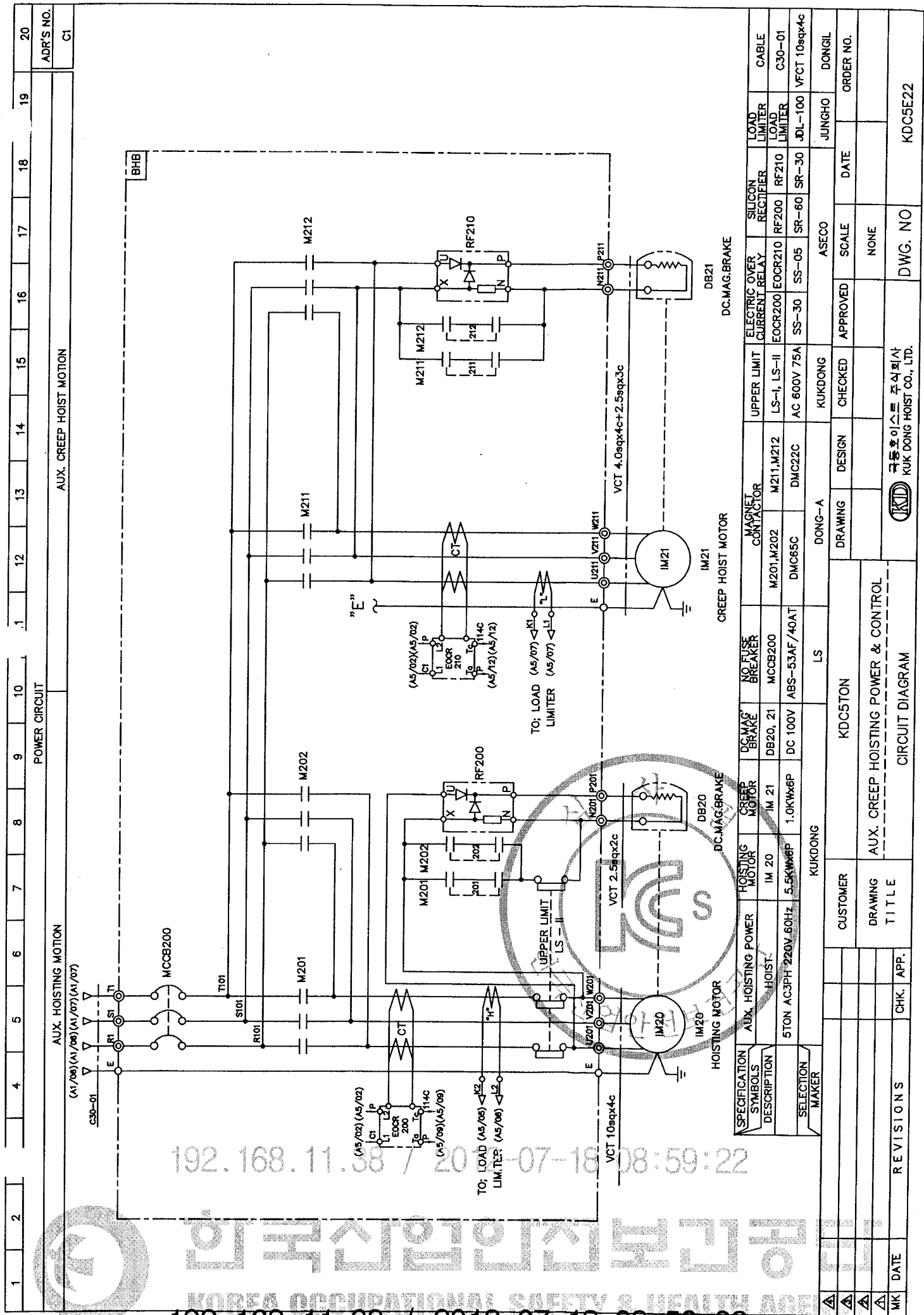
NOTE
1. ଅନୁବନ୍ଧକୁ ପଢ଼ିବା ପରେ ଉପରୋକ୍ତ ପ୍ରଶ୍ନ ଉତ୍ତର ଦିଅନ୍ତୁ ।

- 1) 황색 : 교류 및 교류 전원선으로
 - 2) 적색 : 교류 제어회로
 - 3) 주황색 : 외부에서 공급되는 연동장치 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. 제자시 다수 변경 될수있음.
5. 의함 개방구조는 다음과 같을것.
- 1) 의함 개방시 용전부분이 차단되도록 할것.
 - 2) 의함 개방후 충전터미어있는 부분은 IP2X 이상여 차단전선속을 방

Section

1. UPPER LIMIT LS-1,LS-2의 전점 허용 전류 용량 : AC 600V,75A
2. POWER SOURCE : AC. 3 ϕ 220V 60HZ

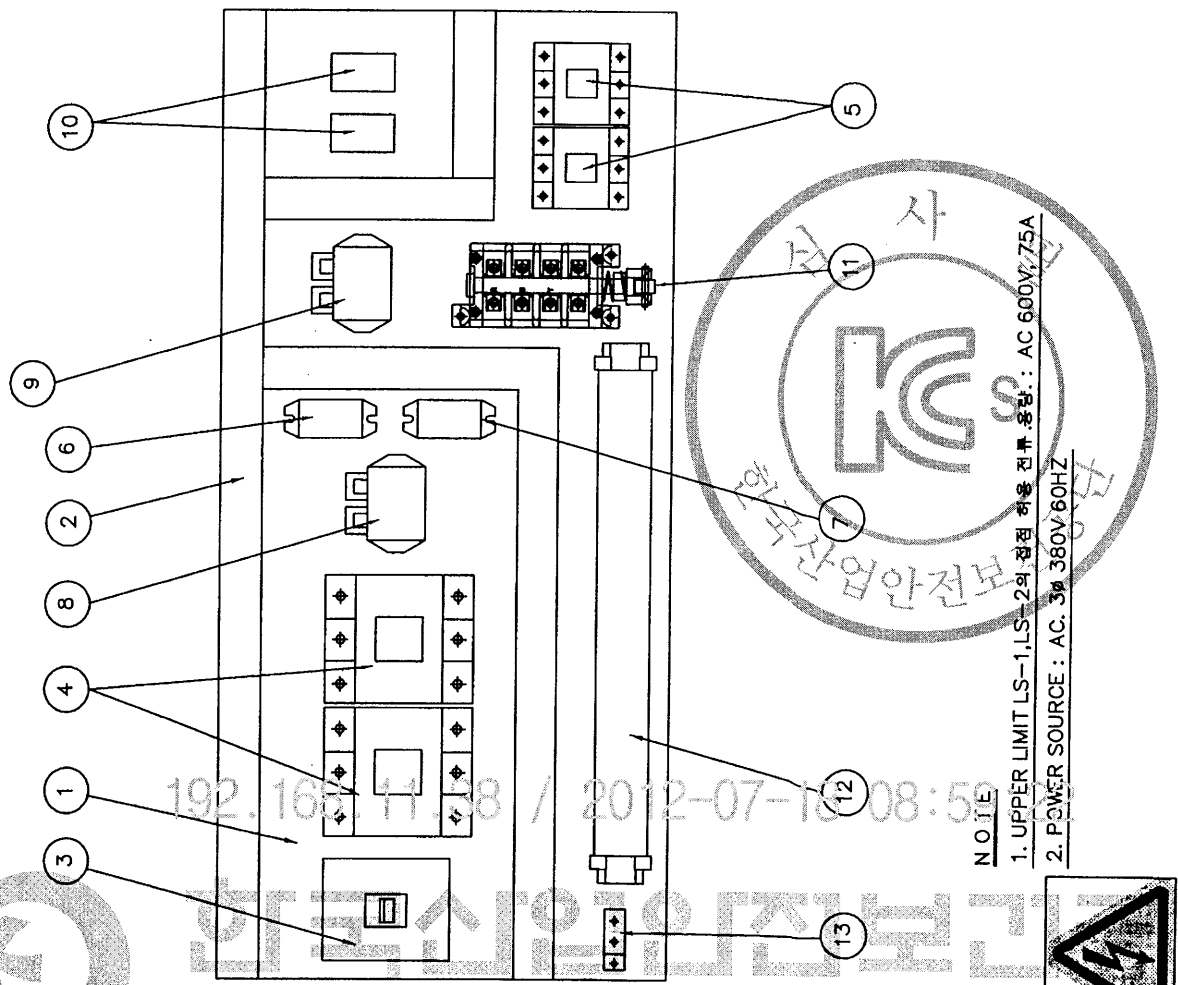
[illegible]



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

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	MCCB200	ABE 33AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC48C	2	HOISTING
5	MAGNET CONTACTOR	DMC22C	2	CREEP HOISTING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOISTING
10	RELAY & SOCKET	4a4b	2	
11	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
12	TERMINAL BLOCK	60A,15A		
13	EARTH TERMINAL	3tx20x50	1	

- NOTE 1. 전선의 색상은 다음과 같다.
- 1) 흑색 : 교류 및 직류 전원선으로 5) 형색 : 직류 제어회로
 - 2) 적색 : 교류제어회로
 - 3) 주황색 : 외부에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼합 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제라서 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
 - 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.



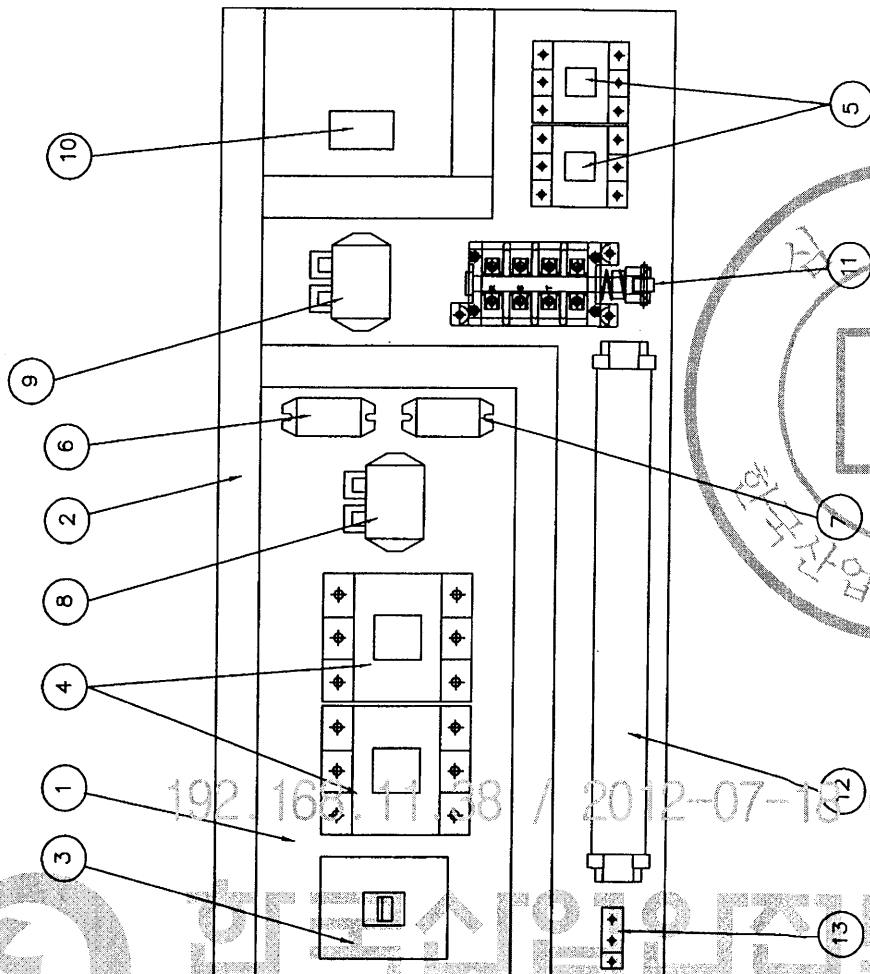
NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A

2. POWER SOURCE : AC. 3φ 380V/60HZ

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
KDC5TON					NONE		
HOIST CONTROL BOX							
ARRANGEMENT DRAWING							
CUSTOMER		극동호이스트 주식회사					
DRAWING TITLE		KUK DONG HOIST CO., LTD.					
REVISIONS		DWG. NO.					
DATE		KDC5BA31A					
CHK. APP.							

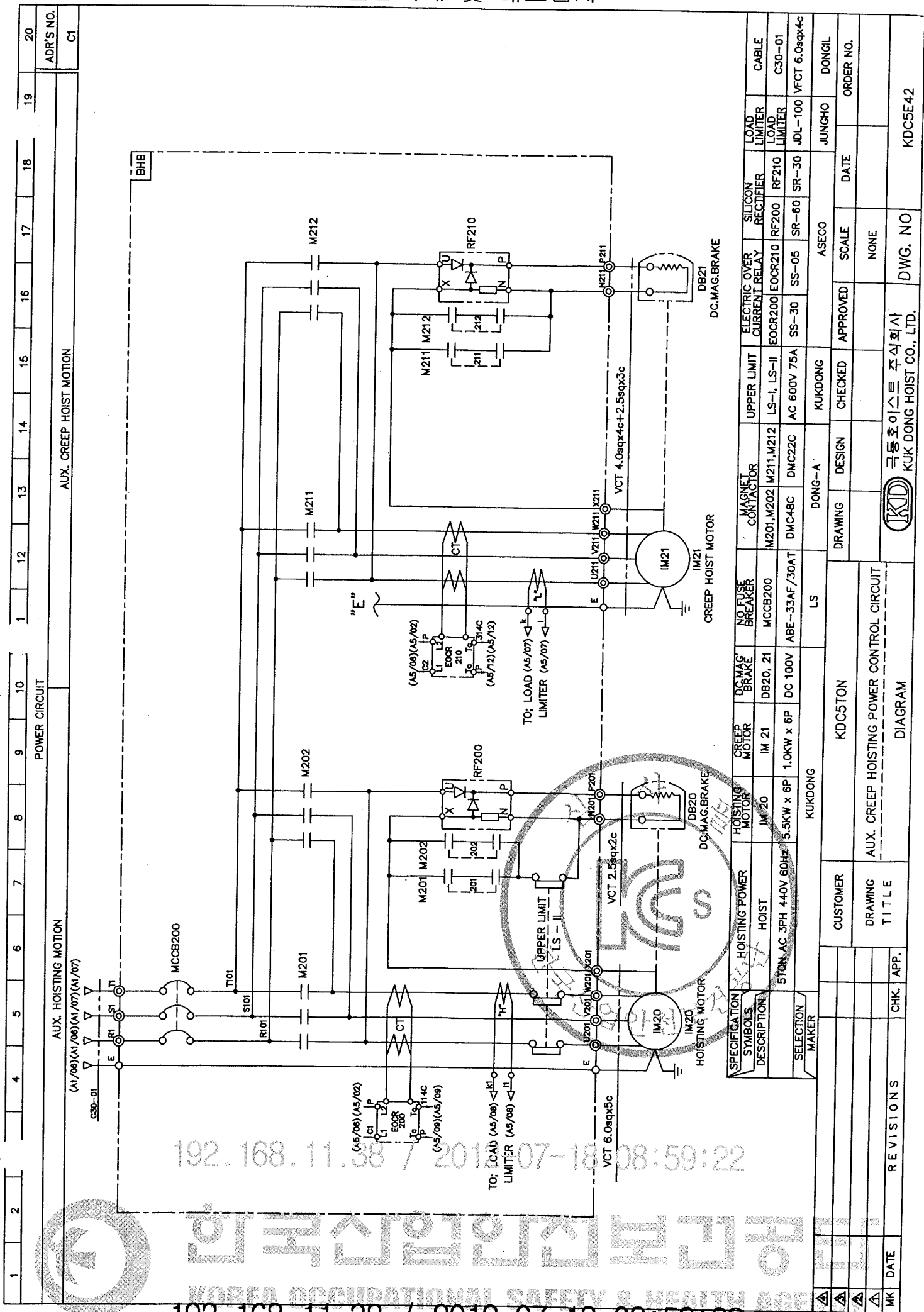
[illegible]



NOTE 1. 원산의 액상인 판올과 같다.

- 1) 황색 : 교류 및 직류 전원선로
 - 2) 녹색 : 교류 제어회로
 - 3) 주황색 : 외부에서 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. 제자식 다소 변전 될수있음.
 5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
 - 2) 외함 개방후 충전터코어있는 부분은 IP2X 이상의 격전전속을 받

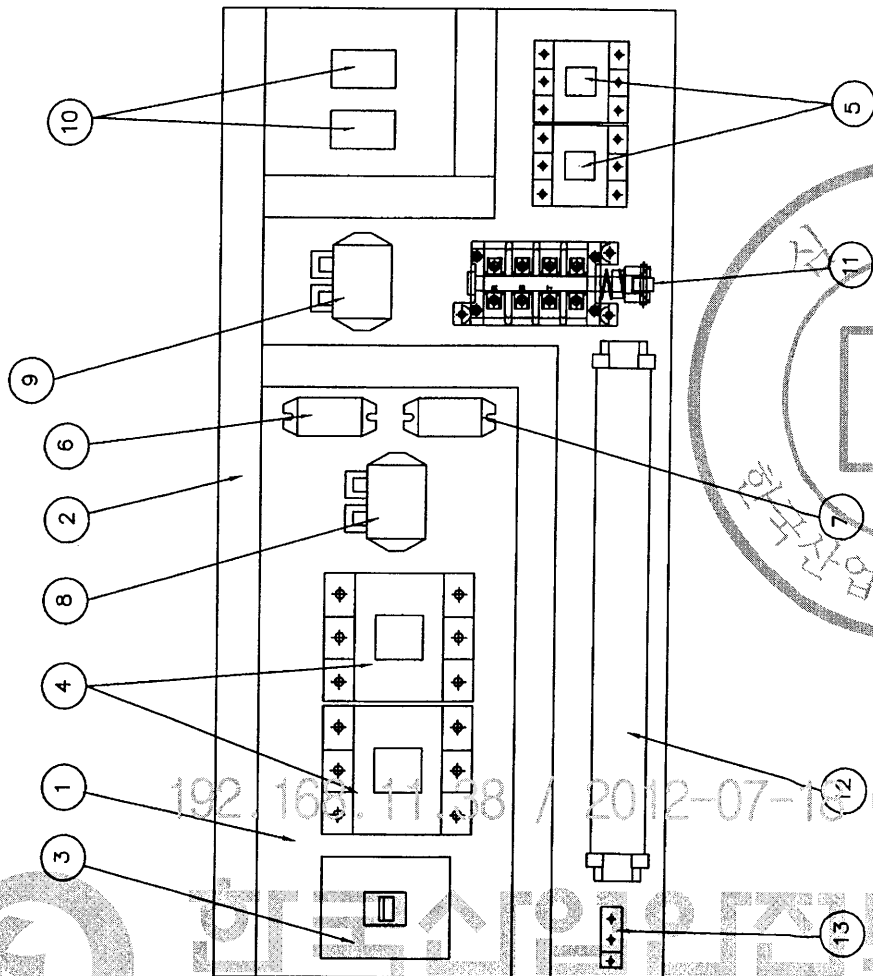
☒				CUSTOMER	KDCSTON	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
☒				DRAWING TITLE	HOIST CONTROL BOX					NONE		
☒				R E V I S I O N S	A R R A N G E M E N T D R A W I N G							
☒				CHG. APP.								
M/K	DATE	R E V I S I O N S			CHG. APP.							
										DWG. NO.	KDC5BA41A	
										극동호이스트 주식회사 KUJONG HOIST CO., LTD.		



11	12	13	14	15	16	17	18	19	20
ADR'S NO.									

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	MCCB200	ABE 33AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC48C	2	HOISTING
5	MAGNET CONTACTOR	DMC22C	2	CREEP HOISTING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOISTING
10	RELAY & SOCKET	4a4b	2	
11	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
12	TERMINAL BLOCK	60A,15A		
13	EARTH TERMINAL	3tx20x50	1	

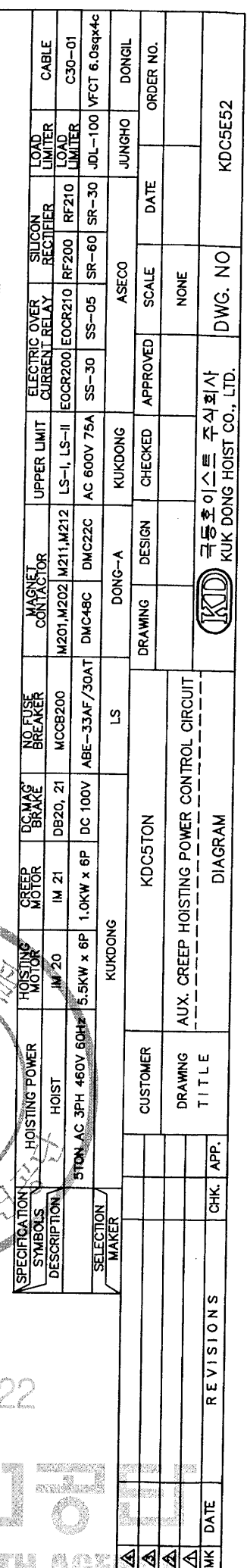
NOTE 1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류 전원선으로 5) 황색 : 직류 제어회로
2) 적색 : 교류 제어회로
3) 주황색 : 외부에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방시 충전부분이 차단되도록 할것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 적절한 접속 방법이 되어있을것.



NOTE
1. UPPER LIMIT LS-1,LS-2의 전점 하용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC 3Ø 460V 60HZ



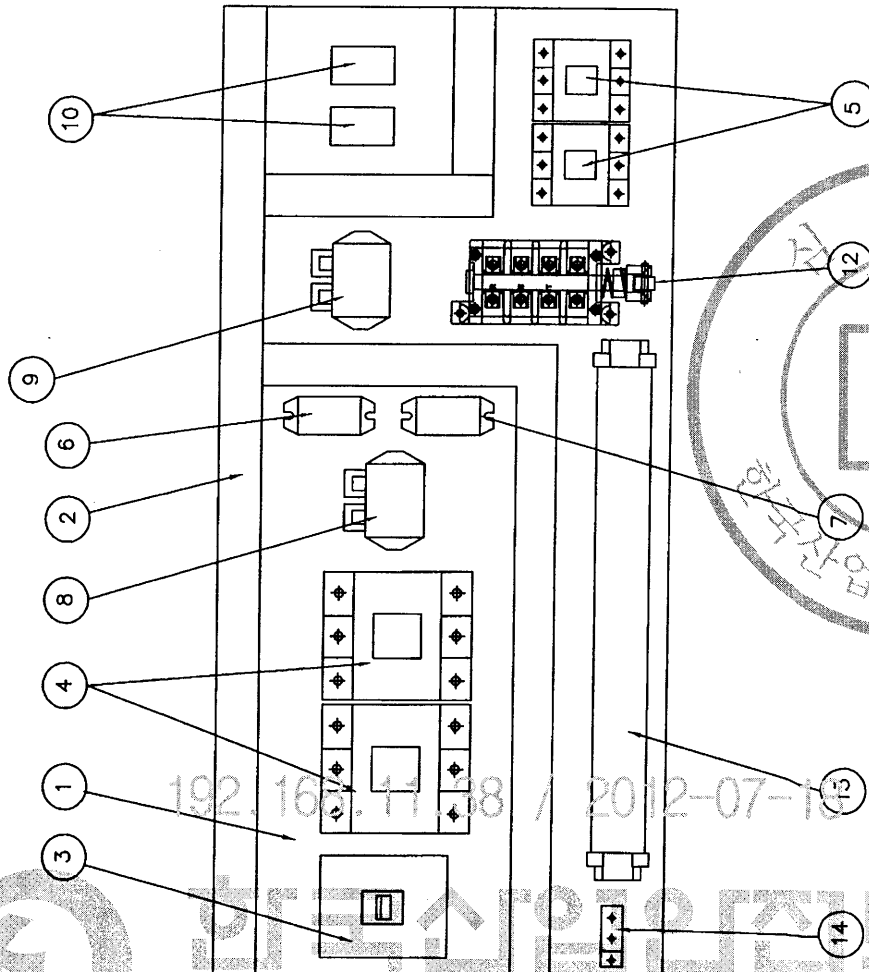
DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
KDC5TON					NONE		
HOIST CONTROL BOX							
ARRANGEMENT DRAWING							
CUSTOMER		극동호이스트 주식회사					
DRAWING TITLE		KUK DONG HOIST CO., LTD.					
REVISIONS		DWG. NO. KDC5BA51A					
DATE							



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

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아연 도금
2	CABLE DUCT	-	1	
3	MCCB200	ABE 33AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC48C	2	HOISTING
5	MAGNET CONTACTOR	DMC22C	2	CREEP HOISTING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOISTING
10	RELAY & SOCKET	4a4b	2	
11	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
12	TERMINAL BLOCK	60A,15A		
13	EARTH TERMINAL	3tx20x50	1	

- NOTE 1. 전선의 색상과 같다.
- 1) 색상 : 교류 및 직류 전원선으로 5) 흰색 : 직류 제어회로
 - 2) 적색 : 교류 제어회로
 - 3) 주황색 : 외부에서 공급되는 연동장치 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. 제어시 다소 변경 될수있음.
 5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
 - 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

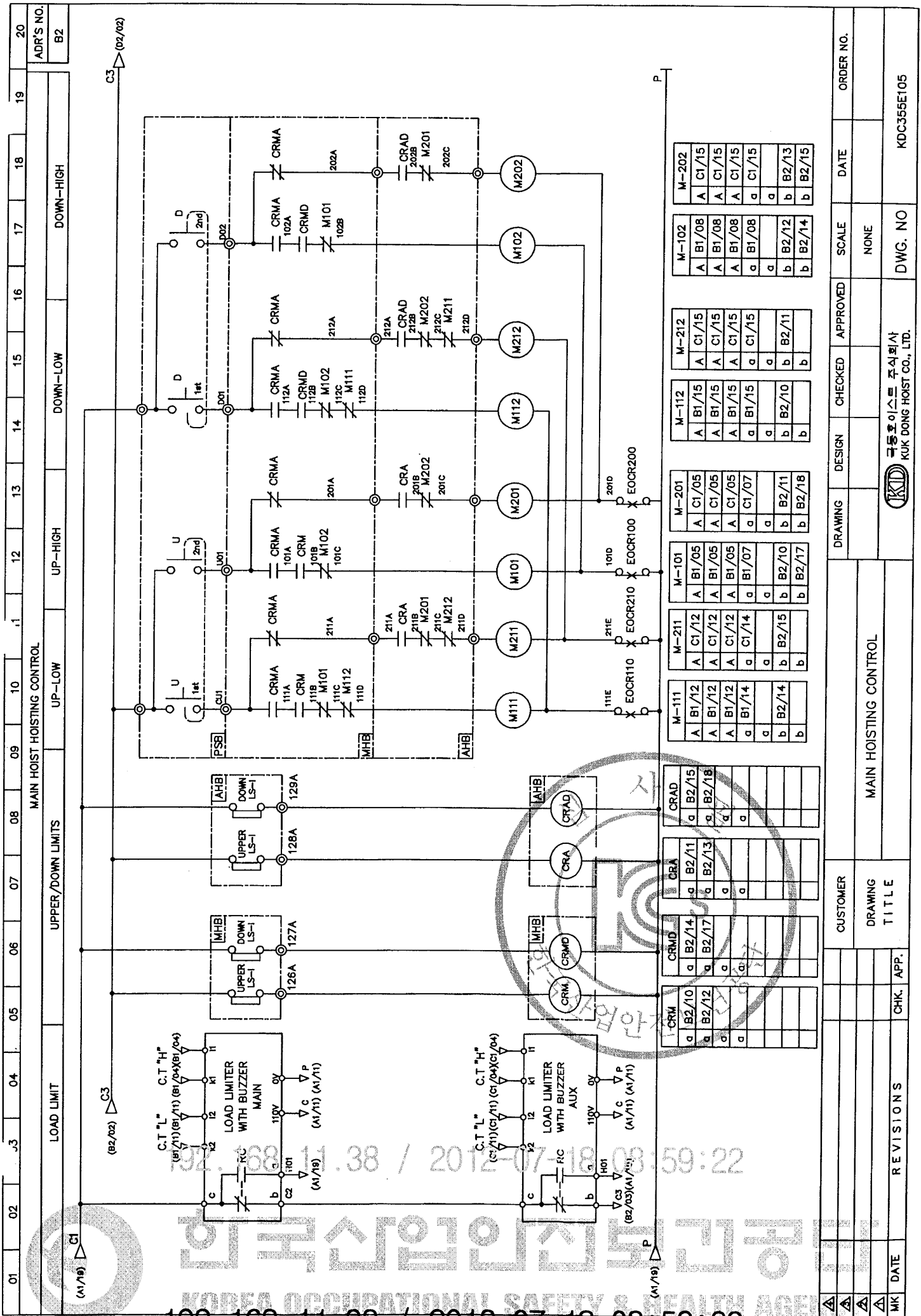


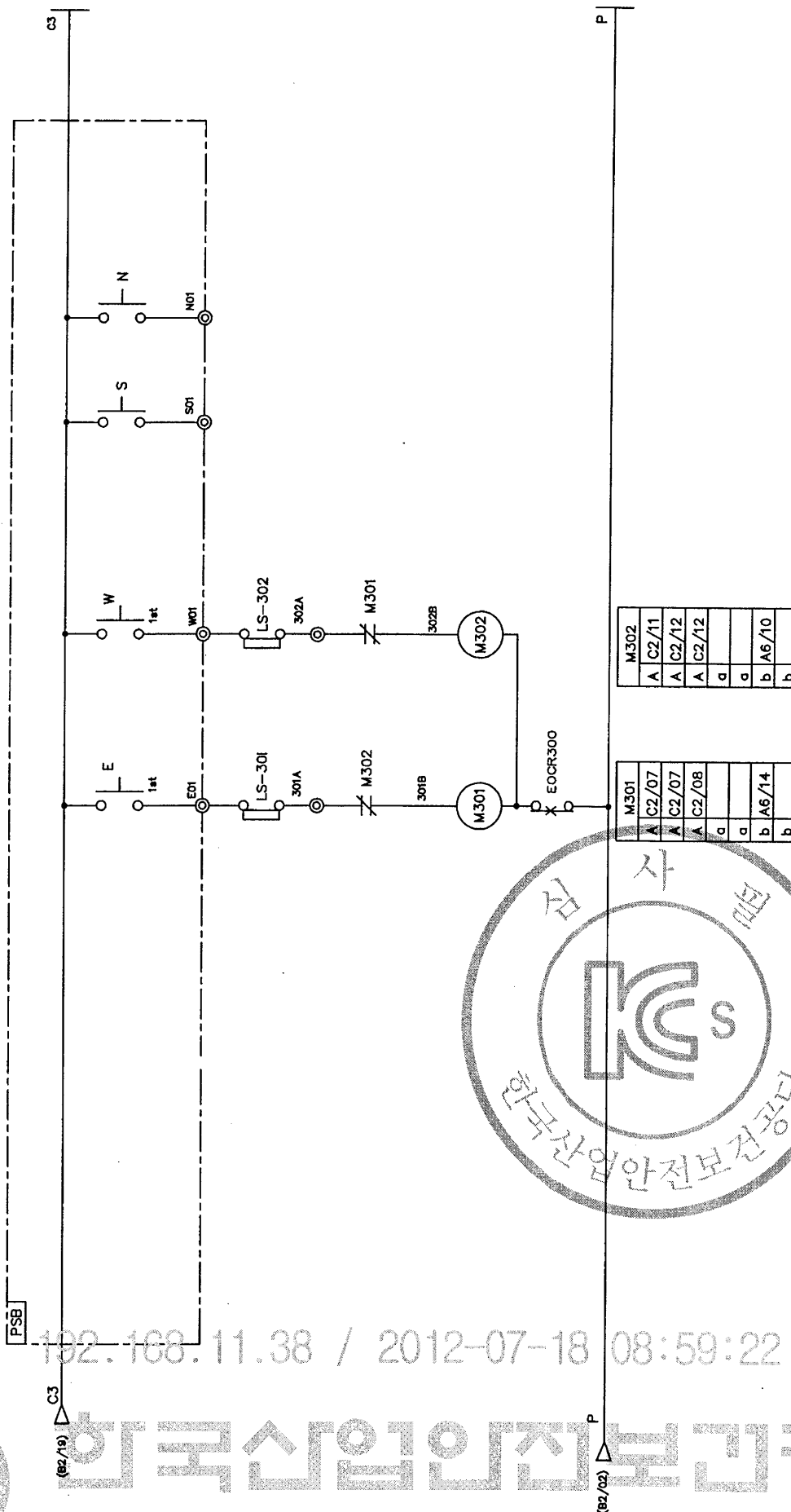
- NOTE
1. UPPER LIMIT LS-1,LS-2의 전선 허용 전류 용량 : AC 600V,75A
 2. POWER SOURCE : AC. 3φ 480V/60HZ

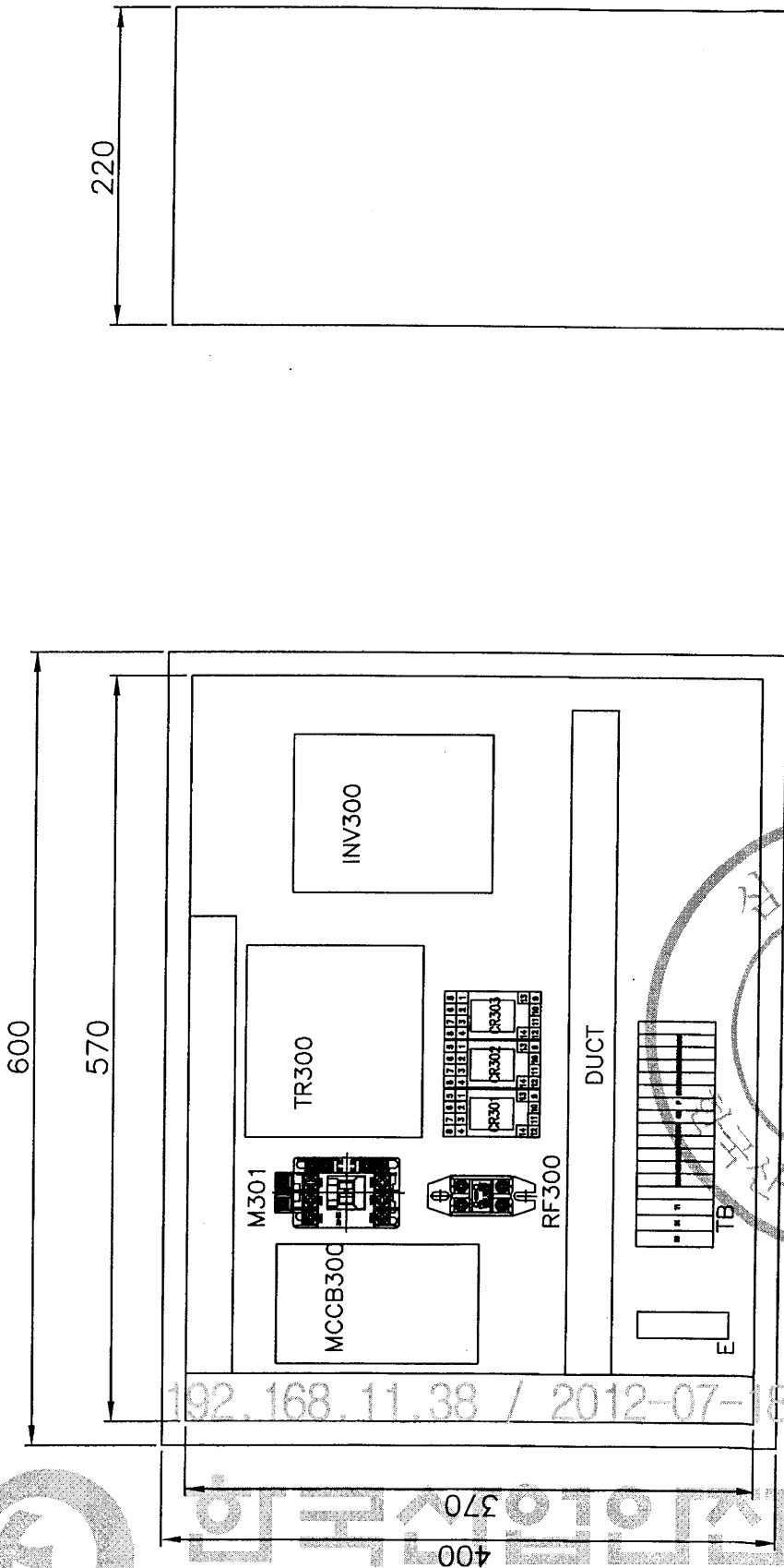


DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						
KDC5TON						
HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
DATE	REVISIONS	CHK.	APP.	DWG. NO.	KDC5BA61A	

△	△	△	△	MK
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[illegible]



2	속판	SS400		1								
1	T/S BOX	PUR		1								
NO.	DESCRIPTION	MTL		SUB	TOTAL	SUB	TOTAL	SUB	TOTAL	REMARKS.		
				QTY		WEIGHT(kg)		DATE		DIM		
PROJECT											mm	
TITLE			T/S CONTROL PANEL(INVERTER)				SCALE		PROJECTION			
							A3/3		3rd			
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING								
 굿동호이스트 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 & SOCKET	PUR	1		
5	RF	PUR	1		
4	MC	PUR	1		
3	MCCB	PUR	1		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20						
POWER CIRCUIT DIAGRAM										CONTROL CIRCUIT DIAGRAM										ADR'S NO.					
TRAVERSING MOTION										BRAKE										EAST		WEST		HIGH SPEED	

SPECIFICATION SYMBOLS DESCRIPTION		TRAVERSING POWER		TRAVERSING MOTOR		DC MAG. BRAKE		NO FUSE BREAKER		TRANSFORMER		BRAKE MAGNET		CONTROL RELAY		INVERTER		SILICON RECTIFIER	
		AC 3PH 220V 60Hz	IM 30	DB30	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300									
		AC 3PH 380(440,460,480)V-60Hz	2.2KW x 4P	DC 100V	ABE-33AF/30AT	220/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV037IG5A-2										
			2.2KW x 4P	DC 100V	ABE-33AF/20AT	380(440,460,480)/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV037IG5A-4										
SELECTION MAKER		KUK DONG HOIST																	
		CUSTOMER		INVERTER CONTROL															
		DRAWING TITLE		TRAVERSING POWER & CONTROL CIRCUIT															
		CHK. APP.		DIAGRAM															
DATE		REVISIONS																	
DWG. NO		KUK DONG HOIST CO., LTD.																	
K005E1004																			

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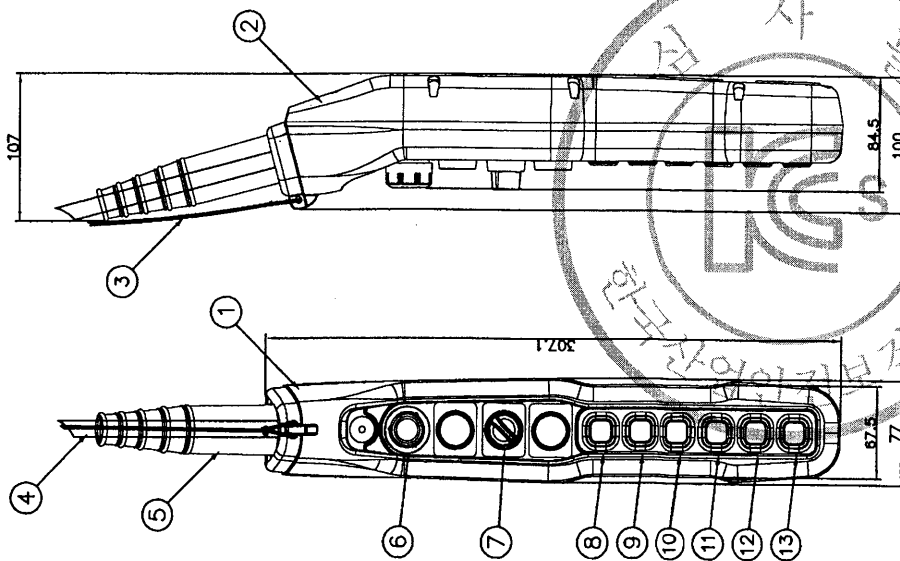
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적색	비상	비상	비상
황색	비정상	비정상	비정상
녹색	정상	정상	정상
청색	의무	의무	의무
흰색, 회색 - 흑색	지정된의미없음		기타

NO	DESCRIPTION	NAME	REMARK
1	PUSH BUTTON CASE		
2	PUSH BUTTON COVER		
3	AUX. WIRE		φ2
4	CABLE	VCT 2.0sq15c	
5	CONNECTOR		RUBBER
6	E.M.B	PUSH BUTTON S/W	RESET TYPE
7	SELECTOR S/W (2 STEP)	PUSH BUTTON S/W	MAIN/AUX
8	HOIST UP	PUSH BUTTON S/W	1 BUTTON 2STEP
9	HOIST DOWN	PUSH BUTTON S/W	1 BUTTON 2STEP
10	EAST	PUSH BUTTON S/W	1 BUTTON 2STEP
11	WEST	PUSH BUTTON S/W	1 BUTTON 2STEP
12	SOUTH	PUSH BUTTON S/W	1 BUTTON 1STEP
13	NORTH	PUSH BUTTON S/W	1 BUTTON 1STEP

*CRANE 설치시 방향표시 BUTTON과 동일하게 표시함.
* IP 55이상

NOTE

- 1.BOX MAT * L : POLYCARBONATE
- 2.E.S.B 절연층두께 : 3A 250V
- 3.PROTECTION DEGREE : SPLASH PROOF



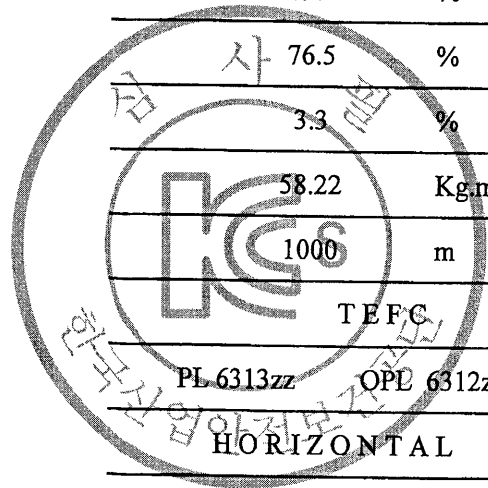
192.168.11.38 / 2012-07-18 08:59:22

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

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

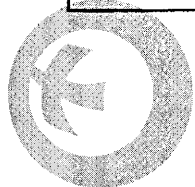
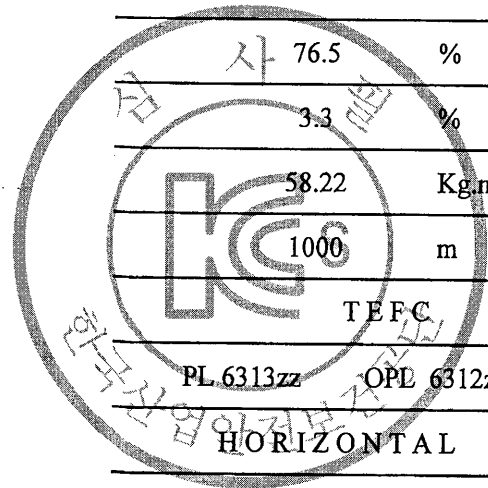
1. SERVICE	MAIN HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	225M
4. RATED POWER	33 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	126.6 A
11. LOCKED MOTOR CURRENT	759.6 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	89.4 %
14. POWER FACTOR AT 100% RATED LOAD	76.5 %
15. SLIP (FULL LOAD)	3.3 %
16. FULL LOAD TORQUE	58.22 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	TEFC
19. TYPE OF BEARING	PL 6313zz OPL 6312zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	340 Kg
24. SERIAL NO	



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING HIGH	
2. MANUFACTURE	KUK DONG HOIST (주)	
3. FRAME NUMBER	225M	
4. RATED POWER	33 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 deg °C	
10. FULL LOAD CURRENT	77.3	A
11. LOCKED MOTOR CURRENT	463.8	A
12. MINIMUM STARTING VOLTAGE	345	V
13. EFFICIENCY AT 100% RATED LOAD	89.4	%
14. POWER FACTOR AT 100% RATED LOAD	76.5	%
15. SLIP (FULL LOAD)	3.3	%
16. FULL LOAD TORQUE	58.22	Kg.m
17. SITE ALTTITUDE(UNDER)	1000	m
18. ENCLOSURE & COOLING METHOD	TEFC	
19. TYPE OF BEARING	PL 6313zz	OPL 6312zz
20. MOUNTING	HORIZONTAL	
21. MAXIMUM AMBIENT TEMPURE	40	°C
22. BEARING LUBRICATION	GREASE	
23. MOTOR NET WEIGHT (ABOUT)	340	Kg
24. SERIAL NO		



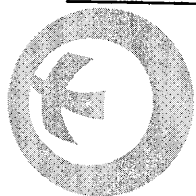
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTNG HIGH	
2. MANUFACTURE	KUK DONG HOIST (주)	
3. FRAME NUMBER	225M	
4. RATED POWER	33 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 deg °C	
10. FULL LOAD CURRENT	63.3	A
11. LOCKED MOTOR CURRENT	379.8	A
12. MINIMUM STARTING VOLTAGE	400	V
13. EFFICIENCY AT 100% RATED LOAD	89.4	%
14. POWER FACTOR AT 100% RATED LOAD	76.5	%
15. SLIP (FULL LOAD)	3.3	%
16. FULL LOAD TORQUE	58.22	Kg.m
17. SITE ALTITUDE(UNDER)	1000	m
18. ENCLOSURE & COOLING METHOD	TEFC	
19. TYPE OF BEARING	PL 6313zz	OPL 6312zz
20. MOUNTING	HORIZONTAL	
21. MAXIMUM AMBIENT TEMPURE	40	°C
22. BEARING LUBRICATION	GREASE	
23. MOTOR NET WEIGHT (ABOUT)	340	Kg
24. SERIAL NO		



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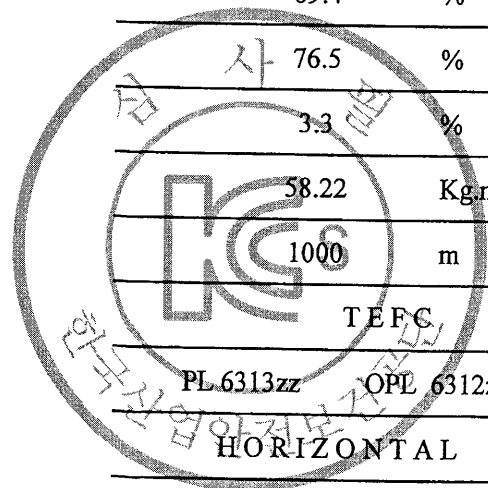
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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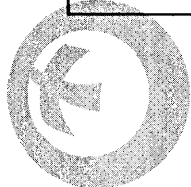
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	225M
4. RATED POWER	33 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 deg °C
10. FULL LOAD CURRENT	60.5 A
11. LOCKED MOTOR CURRENT	363.0 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	89.4 %
14. POWER FACTOR AT 100% RATED LOAD	76.5 %
15. SLIP (FULL LOAD)	3.3 %
16. FULL LOAD TORQUE	58.22 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	TEFC
19. TYPE OF BEARING	PL 6313zz OPL 6312zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	340 Kg
24. SERIAL NO	



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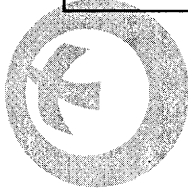
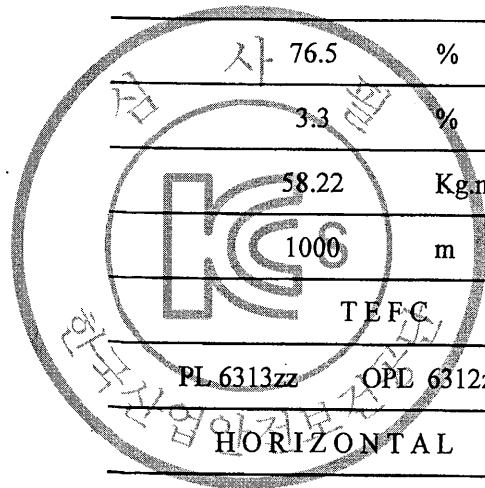
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	225M
4. RATED POWER	33 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 deg °C
10. FULL LOAD CURRENT	58.0 A
11. LOCKED MOTOR CURRENT	347.9 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	89.4 %
14. POWER FACTOR AT 100% RATED LOAD	76.5 %
15. SLIP (FULL LOAD)	3.3 %
16. FULL LOAD TORQUE	58.22 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	TEFC
19. TYPE OF BEARING	PL 6313zz OPL 6312zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	340 Kg
24. SERIAL NO	



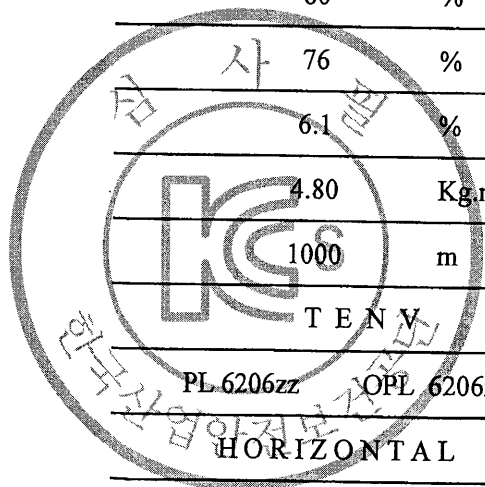
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

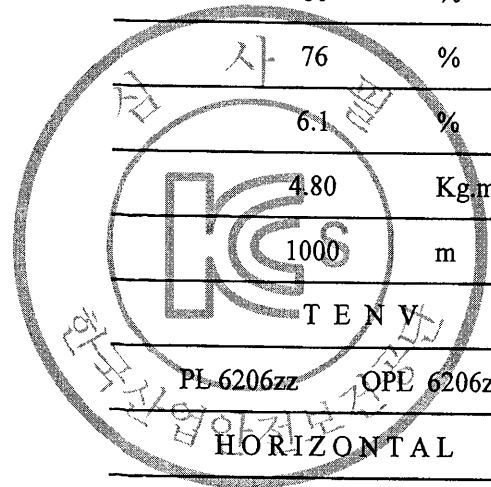
1. SERVICE	MAIN HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	16.0 A
11. LOCKED MOTOR CURRENT	93.3 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	80 %
14. POWER FACTOR AT 100% RATED LOAD	76 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	4.80 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	40 Kg
24. SERIAL NO	



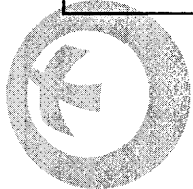
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112M
4. RATED POWER	3.7 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 deg °C
10. FULL LOAD CURRENT	9.3 A
11. LOCKED MOTOR CURRENT	54.0 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	80 %
14. POWER FACTOR AT 100% RATED LOAD	76 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	4.80 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL-6206zz OPE 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	49 Kg
24. SERIAL NO	



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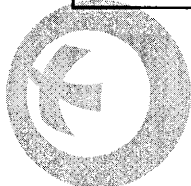
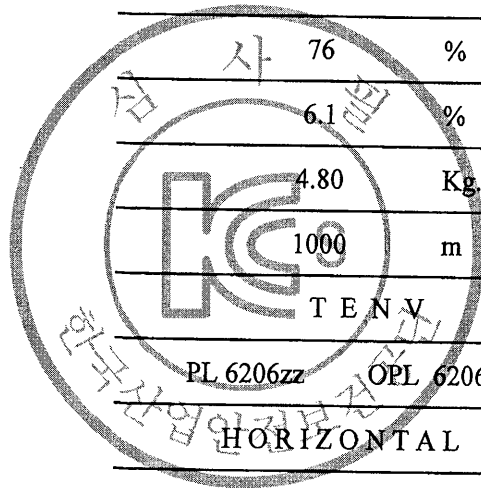
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112M
4. RATED POWER	3.7 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 deg °C
10. FULL LOAD CURRENT	8.0 A
11. LOCKED MOTOR CURRENT	46.6 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	80 %
14. POWER FACTOR AT 100% RATED LOAD	76 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	4.80 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	49 Kg
24. SERIAL NO	



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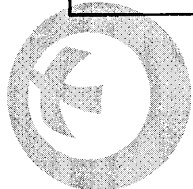
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING CREEP	
2. MANUFACTURE	KUK DONG HOIST (주)	
3. FRAME NUMBER	112M	
4. RATED POWER	3.7 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 deg °C	
10. FULL LOAD CURRENT	7.7	A
11. LOCKED MOTOR CURRENT	44.7	A
12. MINIMUM STARTING VOLTAGE	418	V
13. EFFICIENCY AT 100% RATED LOAD	80	%
14. POWER FACTOR AT 100% RATED LOAD	76	%
15. SLIP (FULL LOAD)	6.1	%
16. FULL LOAD TORQUE	4.80	Kg.m
17. SITE ALTTITUDE(UNDER)	1000	m
18. ENCLOSURE & COOLING METHOD	T E N V	
19. TYPE OF BEARING	PL 6206zz	OPL 6206zz
20. MOUNTING	HORIZONTAL	
21. MAXIMUM AMBIENT TEMPURE	40	°C
22. BEARING LUBRICATION	GREASE	
23. MOTOR NET WEIGHT (ABOUT)	49	Kg
24. SERIAL NO		

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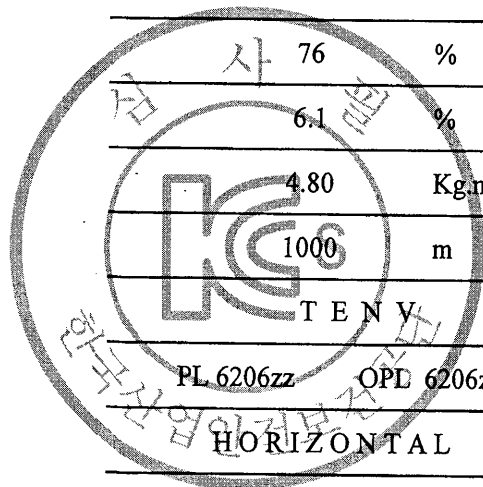
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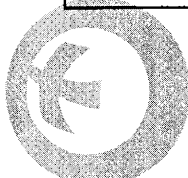
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	MAIN HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112M
4. RATED POWER	3.7 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 deg °C
10. FULL LOAD CURRENT	7.3 A
11. LOCKED MOTOR CURRENT	42.8 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	80 %
14. POWER FACTOR AT 100% RATED LOAD	76 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	4.80 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPD 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	49 Kg
24. SERIAL NO	



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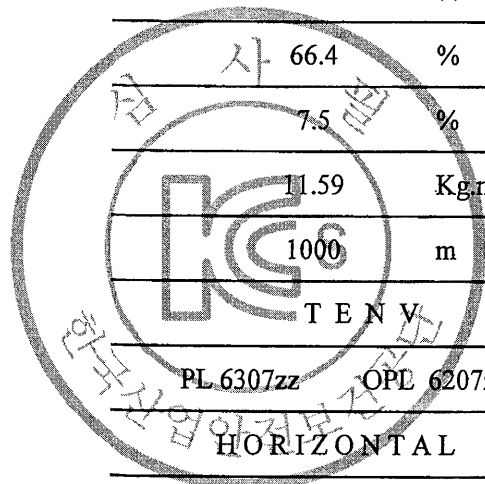
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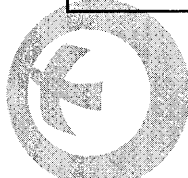
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX.HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132M
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 deg °C
10. FULL LOAD CURRENT	28.2 A
11. LOCKED MOTOR CURRENT	155.1 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	77 %
14. POWER FACTOR AT 100% RATED LOAD	66.4 %
15. SLIP (FULL LOAD)	7.5 %
16. FULL LOAD TORQUE	11.59 Kgm
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. MOTOR NET WEIGHT (ABOUT)	84 Kg
24. SERIAL NO	



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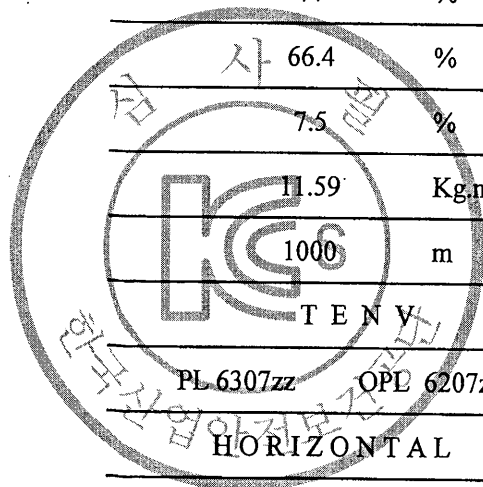
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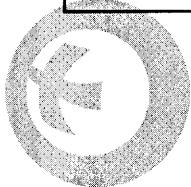
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX.HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132M
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 deg °C
10. FULL LOAD CURRENT	16.3 A
11. LOCKED MOTOR CURRENT	89.8 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	77 %
14. POWER FACTOR AT 100% RATED LOAD	66.4 %
15. SLIP (FULL LOAD)	7.5 %
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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	84 Kg
24. SERIAL NO	



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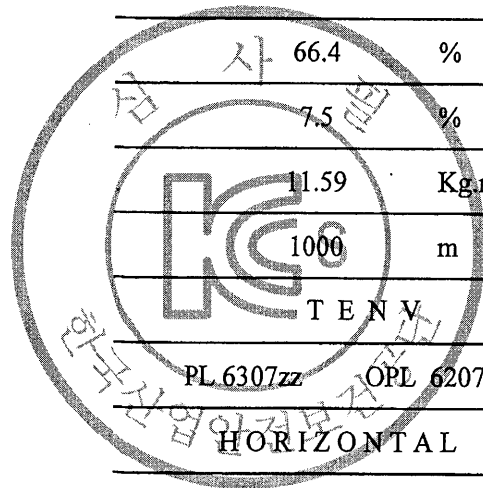
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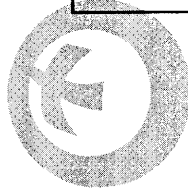
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX.HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132M
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 deg °C
10. FULL LOAD CURRENT	14.1 A
11. LOCKED MOTOR CURRENT	77.6 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	77 %
14. POWER FACTOR AT 100% RATED LOAD	66.4 %
15. SLIP (FULL LOAD)	7.5 %
16. FULL LOAD TORQUE	11.59 Kg.m
17. SITE ALTITUDE(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. MOTOR NET WEIGHT (ABOUT)	34 Kg
24. SERIAL NO	



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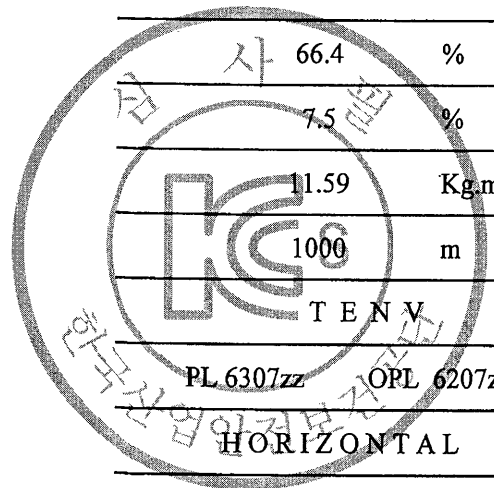
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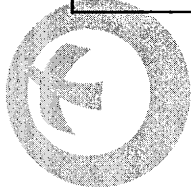
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX.HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132M
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 deg °C
10. FULL LOAD CURRENT	13.5 A
11. LOCKED MOTOR CURRENT	74.3 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	77 %
14. POWER FACTOR AT 100% RATED LOAD	66.4 %
15. SLIP (FULL LOAD)	7.5 %
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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	34 Kg
24. SERIAL NO	



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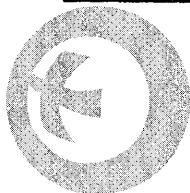
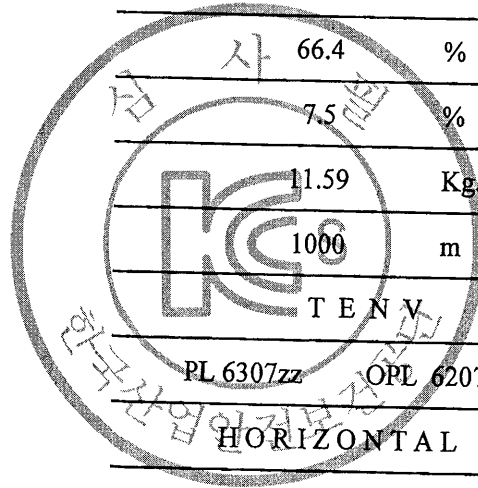
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX.HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132M
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 deg °C
10. FULL LOAD CURRENT	12.9 A
11. LOCKED MOTOR CURRENT	71.2 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	77 %
14. POWER FACTOR AT 100% RATED LOAD	66.4 %
15. SLIP (FULL LOAD)	7.5 %
16. FULL LOAD TORQUE	11.59 Kg.m
17. SITE ALTITUDE(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. MOTOR NET WEIGHT (ABOUT)	84 Kg
24. SERIAL NO	



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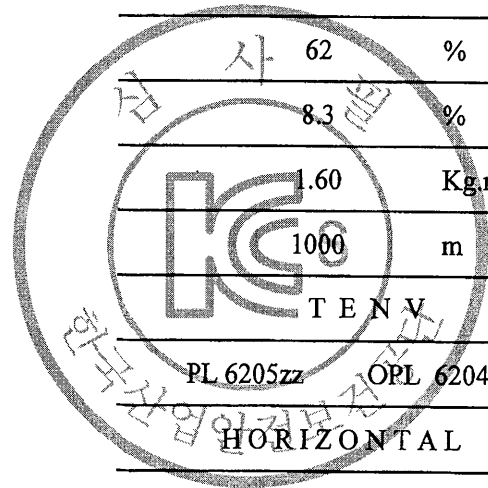
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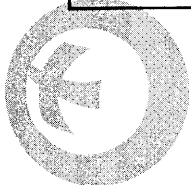
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX. HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1 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 deg °C
10. FULL LOAD CURRENT	6.7 A
11. LOCKED MOTOR CURRENT	23.8 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	63.5 %
14. POWER FACTOR AT 100% RATED LOAD	62 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.60 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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	



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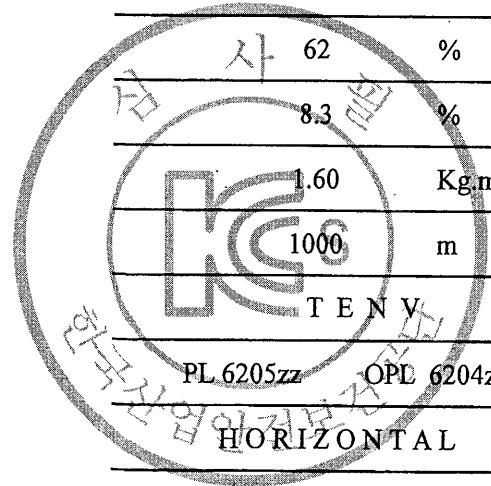
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THREE PHASE INDUCTION MOTOR DATE SHEET

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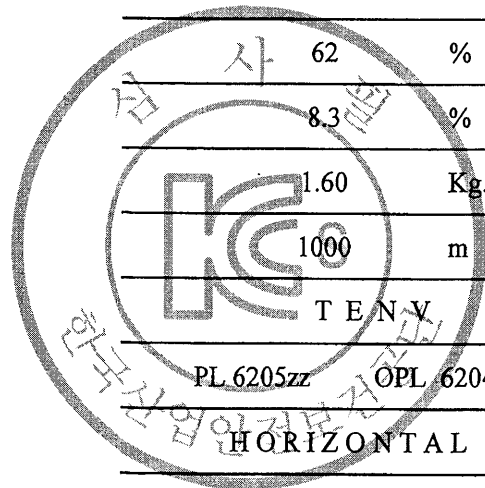
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2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	3.9 A
11. LOCKED MOTOR CURRENT	13.8 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	63.5 %
14. POWER FACTOR AT 100% RATED LOAD	62 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.60 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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	



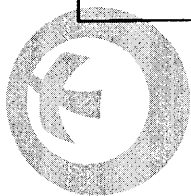
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX. HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1 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 deg °C
10. FULL LOAD CURRENT	3.3 A
11. LOCKED MOTOR CURRENT	11.9 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	63.5 %
14. POWER FACTOR AT 100% RATED LOAD	62 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.60 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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	



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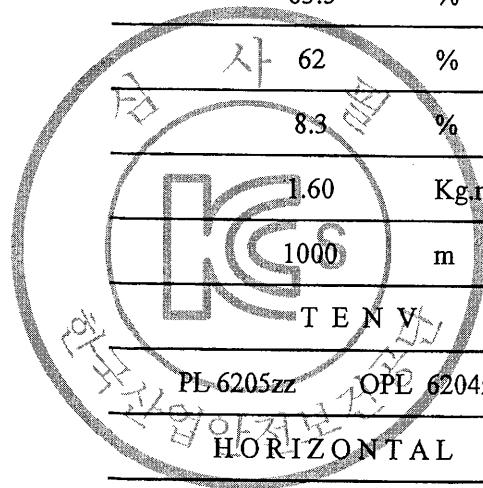
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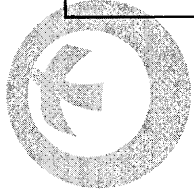
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX. HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1 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 deg °C
10. FULL LOAD CURRENT	3.2 A
11. LOCKED MOTOR CURRENT	11.4 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	63.5 %
14. POWER FACTOR AT 100% RATED LOAD	62 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.60 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 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	



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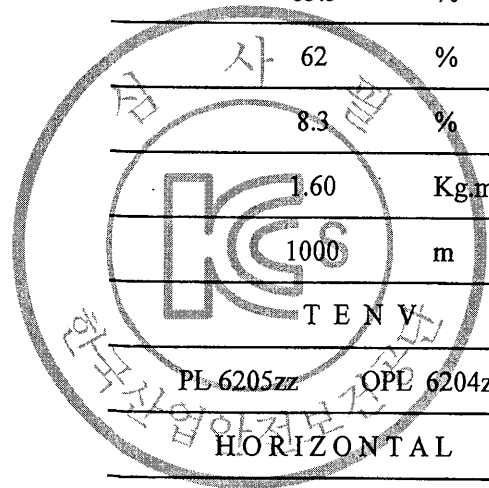
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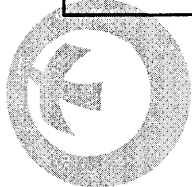
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	AUX. HOISTING CREEP
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1 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 deg °C
10. FULL LOAD CURRENT	3.1 A
11. LOCKED MOTOR CURRENT	10.9 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	63.5 %
14. POWER FACTOR AT 100% RATED LOAD	62 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.60 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL-6205zz OPE 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOX NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	



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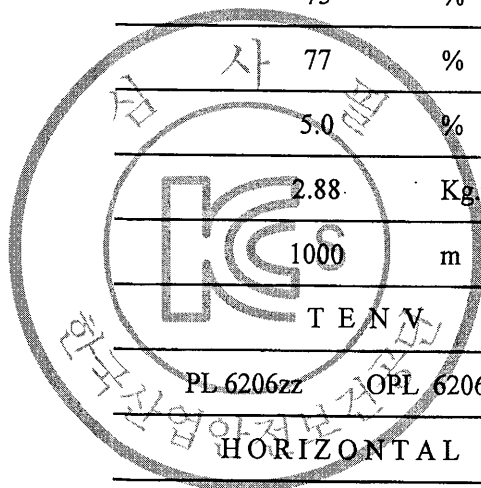
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112S
4. RATED POWER	2.2 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 deg °C
10. FULL LOAD CURRENT	10.0 A
11. LOCKED MOTOR CURRENT	59.0 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	75 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.0 %
16. FULL LOAD TORQUE	2.88 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	41 Kg
24. SERIAL NO	



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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

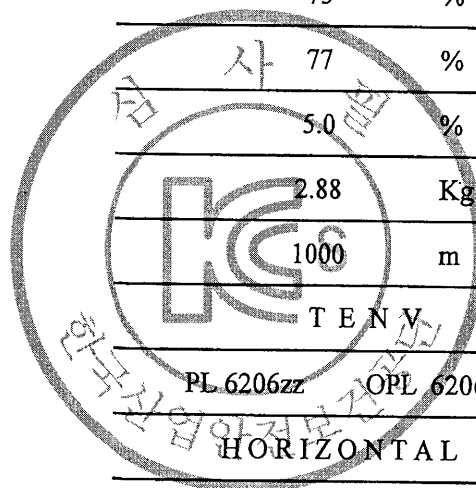
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2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112S
4. RATED POWER	2.2 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	5.8 A
11. LOCKED MOTOR CURRENT	34.2 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	75 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.0 %
16. FULL LOAD TORQUE	2.88 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	41 Kg
24. SERIAL NO	

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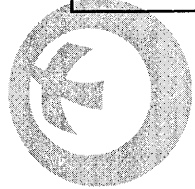
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112S
4. RATED POWER	2.2 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 deg °C
10. FULL LOAD CURRENT	5.0 A
11. LOCKED MOTOR CURRENT	29.5 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	75 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.0 %
16. FULL LOAD TORQUE	2.88 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	4 Kg
24. SERIAL NO	



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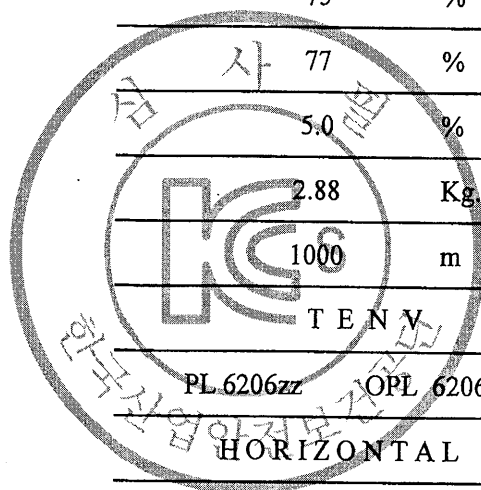
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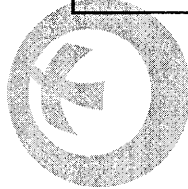
THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112S
4. RATED POWER	2.2 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 deg °C
10. FULL LOAD CURRENT	4.8 A
11. LOCKED MOTOR CURRENT	28.3 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	75 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.0 %
16. FULL LOAD TORQUE	2.88 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WIGHT (ABOUT)	41 Kg
24. SERIAL NO	



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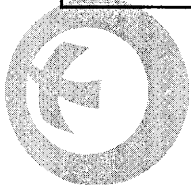
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	112S
4. RATED POWER	2.2 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 deg °C
10. FULL LOAD CURRENT	4.6 A
11. LOCKED MOTOR CURRENT	27.1 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	75 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.0 %
16. FULL LOAD TORQUE	2.88 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	41 Kg
24. SERIAL NO	



한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

극동호이스트(주)

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%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	45.0 A	49.5 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	53.0 A	58.3 A	CT-2	K-K1, L-L1	5 V.A	
	8.5KW x 12P	110%	1 SEC	1 SEC	58.6 A	64.4 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	13KW x 8P	110%	1 SEC	1 SEC	59.0 A	64.9 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	72.0 A	79.2 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	70.8 A	77.9 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	84.3 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	93.2 A	100.4 A	CT-2	K-K1, L-L1	5 V.A	
	21.5KW x 12P	110%	1 SEC	1 SEC	70.8 A	77.9 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	84.3 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	93.2 A	100.4 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

극동하이스트(주)

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%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	26.0 A	28.6 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	30.7 A	33.8 A	CT-2	K-K1, L-L1	5 V.A	
	18.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	38.3 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	13KW x 8P	110%	1 SEC	1 SEC	34.2 A	38.8 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	41.7 A	46.4 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	41.0 A	46.8 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	50.1 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	54.0 A	60.2 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	41.0 A	46.8 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	50.1 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	54.0 A	60.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

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%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	22.5 A	24.8 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	26.5 A	29.2 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	29.3 A	33.4 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	29.5 A	33.6 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	36.0 A	40.1 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	11.5KW x 12P	110%	1 SEC	1 SEC	35.4 A	39.7 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.1 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	46.6 A	50.3 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	11.5KW x 12P	110%	1 SEC	1 SEC	35.4 A	39.7 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.1 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	46.6 A	50.3 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	

극동호이스트(주)

NOTE

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

LOAD LIMITER 권고 SETTING

* POWER SOURCE : AC 3Φ 460V 60Hz

극동호이스트(주)

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%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	21.5 A	23.7 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	25.4 A	28.0 A	CT-2	K-K1, L-L1	5 V.A	
	8.5KW x 12P	110%	1 SEC	1 SEC	28.1 A	32.0 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	13KW x 8P	110%	1 SEC	1 SEC	28.4 A	32.1 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	34.5 A	38.2 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	37.7 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.5 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	44.5 A	48.3 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	37.7 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.5 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	44.5 A	48.3 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60HZ

극동호이스트(주)

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%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	20.6 A	22.7 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	25.4 A	28.0 A	CT-2	K-K1, L-L1	5 V.A	
	8.5KW x 12P	110%	1 SEC	1 SEC	26.9 A	31.1 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	13KW x 8P	110%	1 SEC	1 SEC	27.2 A	31.4 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	33.1 A	37.5 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	32.5 A	36.9 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	39.6 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	42.6 A	46.9 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	32.5 A	36.9 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	39.6 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	42.6 A	46.9 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
10 TON	9.0KW x 8P	45.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	45.0 A	
	13KW x 6P	53.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	53.0 A	
	8.5KW x 12P	58.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.6 A	
15 TON	13KW x 8P	59.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	59.0 A	
	17KW x 6P	72.0 A	1 DRAVE	SS-100	3 SEC	1 SEC	72.0 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
20 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
30 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
35 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
40 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
50 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
60 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
70 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	

NOTE

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E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

극동하이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
10 TON	9.0KW x 8P	26.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.0 A	
	13KW x 6P	30.7 A	1 DRAVE	SS-60	3 SEC	1 SEC	30.7 A	
15 TON	8.5KW x 12P	33.9 A	1 DRAVE	SS-60	3 SEC	1 SEC	33.9 A	
	13KW x 8P	34.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	34.2 A	
	17KW x 6P	41.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.2 A	
20 TON	11.5KW x 12P	41.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.0 A	
	17KW x 8P	43.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	43.3 A	
	23KW x 6P	54.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	54.0 A	
30 TON	11.5KW x 12P	41.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.0 A	
	17KW x 8P	43.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	43.3 A	
	23KW x 6P	54.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	54.0 A	
35 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
40 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
50 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
60 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
70 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	

NOTE

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

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	
10 TON	9.0KW x 8P	22.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.5 A	
	13KW x 6P	26.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.5 A	
15 TON	8.5KW x 12P	29.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	29.3 A	
	13KW x 8P	29.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	29.5 A	
	17KW x 6P	36.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	36.0 A	
20 TON	11.5KW x 12P	35.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.4 A	
	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	23KW x 6P	44.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.6 A	
30 TON	11.5KW x 12P	35.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.4 A	
	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	23KW x 6P	44.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.6 A	
35 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
40 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
50 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
60 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
70 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60HZ

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
10 TON	9.0KW x 8P	21.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.5 A	
	13KW x 6P	25.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.4 A	
15 TON	8.5KW x 12P	28.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.1 A	
	13KW x 8P	28.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.4 A	
	17KW x 6P	34.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	34.5 A	
20 TON	11.5KW x 12P	33.9 A	1 DRAVE	SS-60	3 SEC	1 SEC	33.9 A	
	17KW x 8P	36.7 A	1 DRAVE	SS-60	3 SEC	1 SEC	36.7 A	
	23KW x 6P	44.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.5 A	
30 TON	11.5KW x 12P	33.9 A	1 DRAVE	SS-60	3 SEC	1 SEC	33.9 A	
	17KW x 8P	36.7 A	1 DRAVE	SS-60	3 SEC	1 SEC	36.7 A	
	23KW x 6P	44.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.5 A	
35 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
40 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
50 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
60 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
70 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60HZ

극동하이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
10 TON	9.0KW x 8P	20.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	20.6 A	
	13KW x 6P	25.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.4 A	
	8.5KW x 12P	26.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.9 A	
15 TON	13KW x 8P	27.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	27.2 A	
	17KW x 6P	33.1 A	1 DRAVE	SS-60	3 SEC	1 SEC	33.1 A	
	11.5KW x 12P	32.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	32.5 A	
20 TON	17KW x 8P	35.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.2 A	
	23KW x 6P	42.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	42.6 A	
	11.5KW x 12P	32.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	32.5 A	
30 TON	17KW x 8P	35.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.2 A	
	23KW x 6P	42.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	42.6 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
40 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
50 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
60 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
70 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	

NOTE

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



ORIGINAL

CERT NO. 201201WRU0867

DATE May. 11, 2012

MILL TEST CERTIFICATE

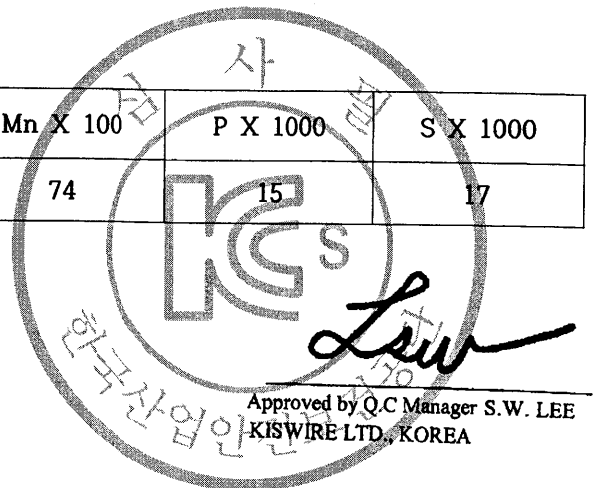
THIS IS TO CERTIFY THAT THE MATERIAL DESCRIBED BELOW WAS MANUFACTURED IN ACCORDANCE WITH KISWIRE LTD SPECIFICATION AND APPLICABLE SECTIONS

OF KSD 3514-2007 (B GRADE)
 TO MESSRS 삼진로프
 MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE
 06 X FI(25) + IWRC 500M X 3 REEL
 EX NO. PW9650
 ORDER NO. 1W4172 REEL NO. 1~3 SAMPLING NO. 1
 DIAMETER OF ROPE 28.00 mm TYPE OF CORE IWRC
 SPECIFIED BREAKING LOAD 519.0 kN SAMPLE BROKE AT 532.4 kN
 WT. OF ZINC COATING OF OUTER WIRE MIN. g/m²
 ROPE LAY RHRL LAY LENGTH 180.5 mm
 LUBRICATION B

CHEMICAL ANALYSIS OF WIRE ROD

CHARGE NO.	C X 100	Si X 100	Mn X 100	P X 1000	S X 1000
SW01779	70	24	74	15	17

DATE OF SAMPLE TEST May 11, 2012



KS

JIS

API

ABS

KR

NK

G.Lloyd's

DNV

L.R

BV



ORIGINAL

CERT NO. 200701WRU56901

DATE May. 11, 2012

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 삼진로프

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 X 37 + FC

100M X 7 REEL

EX NO. PW9074

ORDER NO. 1W4164

REEL NO. 1~7

SAMPLING NO. 1

DIAMETER OF ROPE 16.00 mm

TYPE OF CORE Fiber Core

SPECIFIED BREAKING LOAD

145.0 kN

SAMPLE BROKE AT

152.3 kN

WT. OF ZINC COATING OF OUTER WIRE MIN.

g/m²

ROPE LAY

RHRL

LAY LENGTH

105.8 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
SW01779	74	22	74	15	8

DATE OF SAMPLE TEST May 11, 2012

Approved by Q.C Manager S.W. LEE
KISWIRE LTD., KOREA



KS

JIS

API

ABS

KR

NK

G.Lloyd's

DNV

LR

BV

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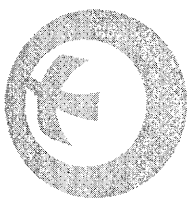
EN 60 947-5-1			
Clause	Requirement – Test	Result - Remark	Verdict

	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	6	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

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C.5, C.6항이 IP65 PASS를 뜻함.



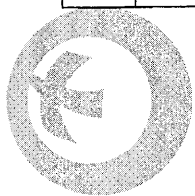
한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

192.168.11.38 / 2012-07-18 08:59:22

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)케이저오토	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	SLICON	반도기계 (주)	031-495-8353-4	
			아산 전기	02-2636-8035	
			보 창 기 전	032-431-0150	



한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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