



심사결과 통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호	134-81-013350
	사업자등록번호	134-81-01335	대표자 성명	최성찬
	소재지	(154 - 23) 경기도 안산시 단원구 해봉로 119(성곡동)		

안전인증대상 기계·기구명

호이스트 [동일형식인정 - "별첨" 참조]

형 식 (규 격)	KDC15T-D	용 량 (등 급)	15 Ton
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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

합을 통지합니다.

2019년 05월 15일

인증심사원

이승태

이 승태 (서명 또는 인)

한국산업안전보건공단 이사장





제2020 - 2139060 호

안 전 인 증 서

(사업장명) 극동호이스트(주)

(소 재 지) (15423)경기도 안산시 단원구 해봉로 119(성곡동)

위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제84조 및 시행규칙 제110조제1항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

품 목

호이스트 (국내품)

형식,모델(용량,등급)/인증번호

KDC15T-D (15Ton) / 20-AE2AC-00073

인 증 기 준

고용노동부 고시 제2020 - 41호 (위험기계·기구 안전인증 고시)

인 증 조 건

(15423)경기도 안산시 단원구 해봉로 119(성곡동)에서 생산된 동일 형식 제품에 한함

설치장소 : 옥외

2020년 10월 26일

한국산업안전보건공단 이사장



서 면 심 사 서 류

형식 번호 : KDC15T-D

극 동 호 이 스톱 (주)



주소 : 경기도 안산시 단원구 해봉로 119 (성곡동)

TEL : 031) 491 - 5311

FAX : 031) 494 - 5315

직업재해예방
안전보건공단
Korea Occupational Safety & Health Agency

북일형식일람표

사업장명		국동호이스트(株)	개정일자 및 번호		인증번호	비고
형식 및 모델			동일 형식 인정범위 및 내역			
형식	모델		권상속도 (m/min)	회행속도 (m/min)	양정 (m)	
KDC15T-D	KDC15-L12-D		고속 : 4.5 m/min CREEP : 0.45 m/min	고속 : 15 m/min	12	모터 구동식
	KDC15-L18-D			저속 : 10 m/min	18	
	KDC15-L24-D			듀얼 고속 : 15/7.5 m/min	24	
	KDC15-L30-D			듀얼 저속 : 10/5 m/min	30	
횡행 인버터 포함						



제 2012-BJ-0009 호



안 전 인 증 서

정호엔지니어링

경기도 광명시 노동사동 440-5

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

품 목

양중기용 과부하방지장치

형식·모델/용량·등급/인증번호

형식·모델	용량·등급	인증번호
JDL-100	J-2	12-AV2BJ-0009

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2010-36호)

인 증 조 건

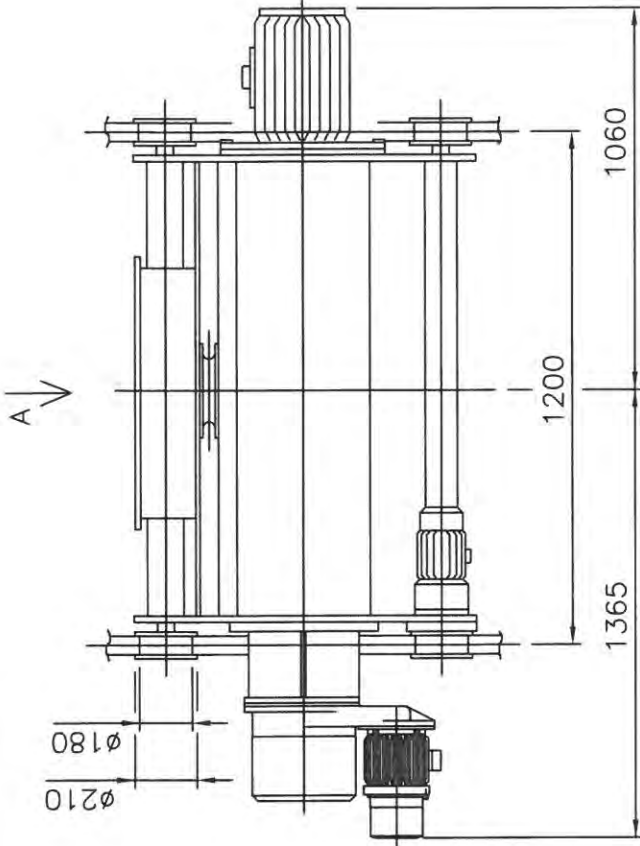
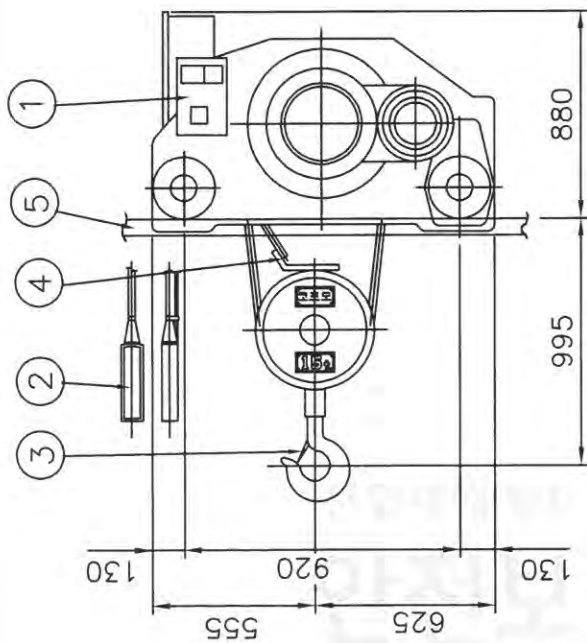
아래 주소에서 생산되는 제품에 한함.

정호엔지니어링, 경기도 광명시 노동사동 440-5

2012년 06월 11일

한국산업안전보건공단 이사장





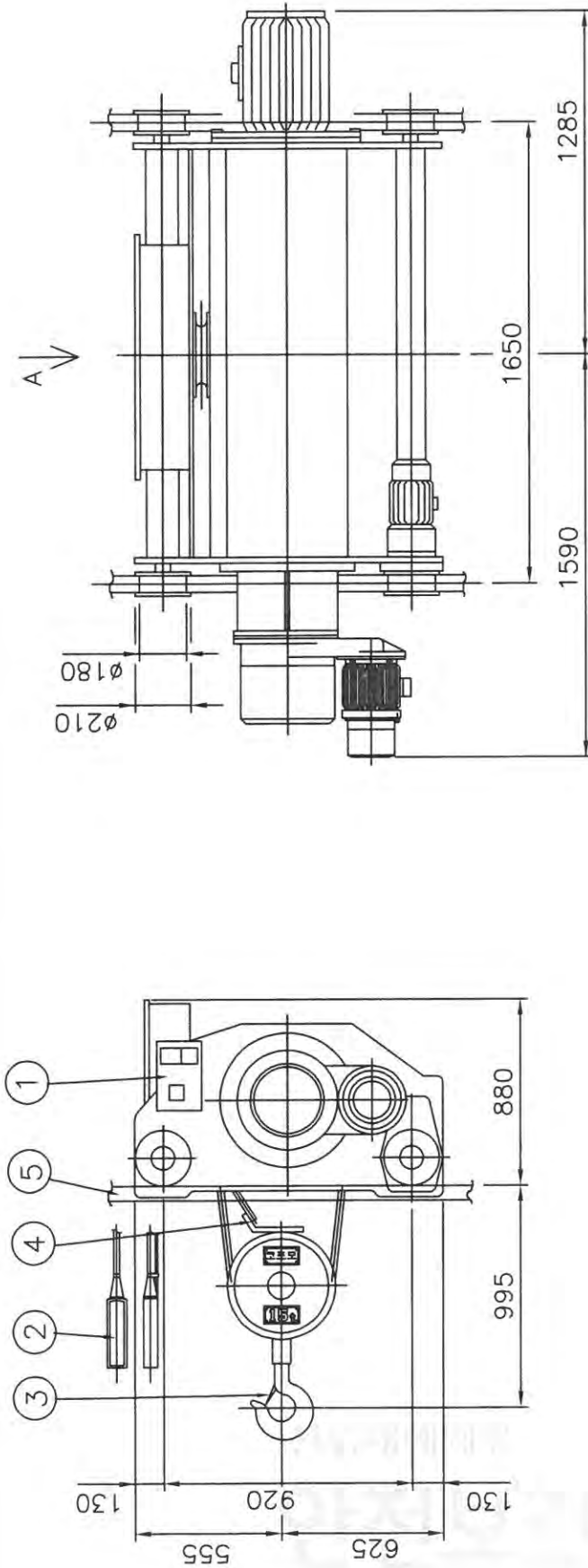
극동호이스트
제한하중
15000 K

VIEW A

SPECIFICATION		15 TON
RATED LOAD		18.75 TON
TESTING LOAD		12 M
HOISTING	SPEED	4.5 / 0.45 M/MIN
	MOTOR	13 / 1.8 KW x 8P
HIGH	SPEED	15 M/MIN
	MOTOR	1.5 KW x 4 P
LOW	SPEED	10 M/MIN
	MOTOR	1.0 KW x 6 P
DUAL	SPEED	15/7.5 M/MIN
	MOTOR	1.5/0.75 KW x 4/8 P
DUAL	SPEED	10/5 M/MIN
	MOTOR	1.0/0.5 KW x 6/12 P
WIRE ROPE		(6x29 IWRC) ϕ 18 x 4 FALLS
POWER SOURCE		AC3 ϕ 220V(380,440,460,480) 60Hz
TRAVERSING RAIL		22 KG/M
GROSS WEIGHT		1920 KG

5	T/S RAIL	-	-	-	-	22KG/M
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SPC	1			
2	EMERGENCY S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	M'T'L	SUB	TOTAL	SUB	REMARKS.
			QTY		WEIGHT(kg)	
PROJECT				DATE		DIM
				97.10.23.		mm
TITLE	KDC15 - L12 - D			SCALE		PROJECTION
	ARRANGEMENT DRAWING FOR HOIST			A3/20		3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING		
 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				SHEET No.		DWG No.
						KDC15D120





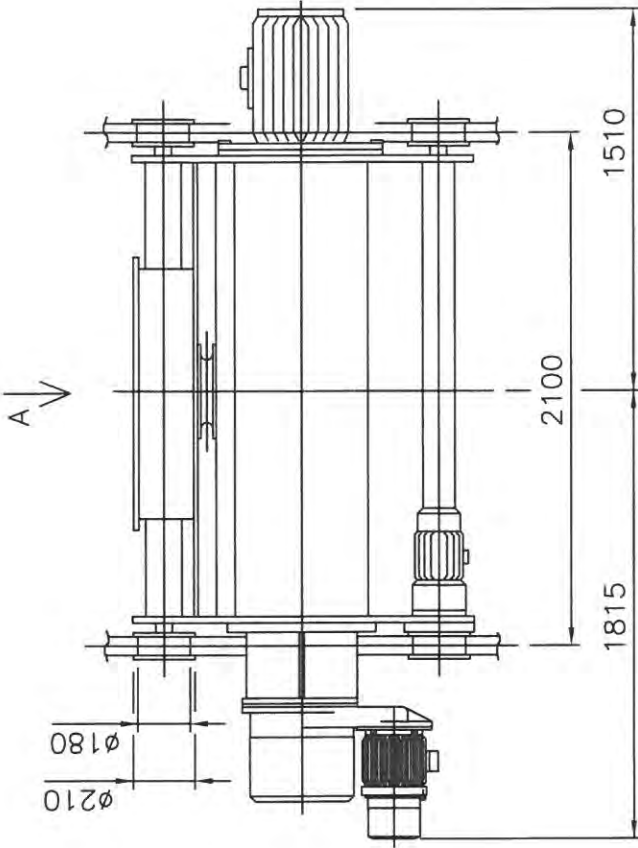
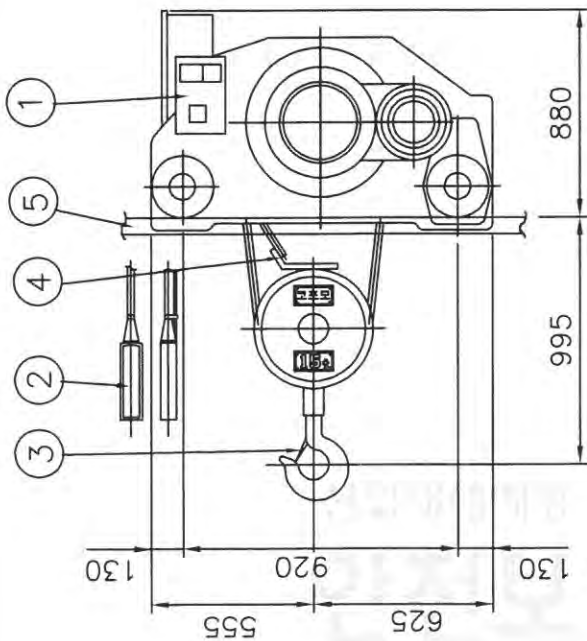
극동호이스트
제한하중
15000 K

VIEW A

SPECIFICATION		15 TON
RATED LOAD		15 TON
TESTING LOAD		18.75 TON
LIFT		18 M
HOISTING	SPEED	4.5 / 0.45 M/MIN
	MOTOR	13 / 1.8 KW x 8P
HIGH	SPEED	15 M/MIN
	MOTOR	1.5 KW x 4 P
LOW	SPEED	10 M/MIN
	MOTOR	1.0 KW x 6 P
DUAL	SPEED	15/7.5 M/MIN
	MOTOR	1.5/0.75 KW x 4/8 P
DUAL	SPEED	10/5 M/MIN
	MOTOR	1.0/0.5 KW x 6/12 P
WIRE ROPE		(6x29 IWRC) $\phi 18 \times 4$ FALLS
POWER SOURCE		AC3 ϕ 220V(380,440,460,480) 60Hz
TRAVERSING RAIL		22 KG/M
GROSS WEIGHT		2090 KG

5	T/S RAIL	-	-	-	22KG/M
4	UPPER LIMIT S/W	SS400	1		
3	SAFETY LATCH	SPC	1		
2	EMERGENCY S/W	-	1		
1	LOAD LIMITER	-	1		
NO.	DESCRIPTION	MT'L	SUB	SUB	REMARKS.
			QTY	WEIGHT(kg)	
PROJECT				DATE	DIM
				97.10.23.	mm
TITLE	KDC15 - L18 - D			SCALE	PROJECTION
	ARRANGEMENT DRAWING FOR HOIST			A3/20	3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING	
 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.			SHEET No.		
			DWG No.		
			KDC15D180		





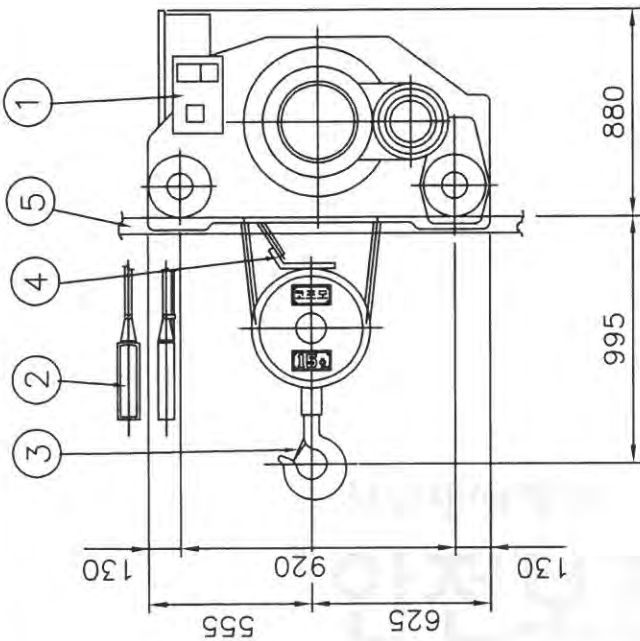
극동호이스트
제한하중
15000 K

VIEW A

SPECIFICATION	
RATED LOAD	15 TON
TESTING LOAD	18.75 TON
LIFT	24 M
HOISTING	SPEED 4.5 / 0.45 M/MIN 13 / 1.8 KW x 8 P
HOISTING	SPEED 15 M/MIN 15 KW x 4 P
HOISTING	SPEED 10 M/MIN 10 KW x 6 P
HOISTING	SPEED 15/7.5 M/MIN 1.5/0.75 KW x 4/8 P
HOISTING	SPEED 10/5 M/MIN 1.0/0.5 KW x 6/12 P
HOISTING	SPEED 1.0/0.5 KW x 6/12 P (6x29 IWRC) $\phi 18 \times 4$ FALLS
WIRE ROPE	AC3 ϕ 220V(380,440,460,480) 60Hz
POWER SOURCE	22 KG/M
TRAVERSING RAIL	2220 KG
GROSS WEIGHT	

5	T/S RAIL	—		—			22KG/M
4	UPPER LIMIT S/W	SS400		1			
3	SAFETY LATCH	SPC		1			
2	EMERGENCY S/W	—		1			
1	LOAD LIMITER	—		1			
NO.	DESCRIPTION	MT'L	QTY				REMARKS.
			SUB	TOTAL	SUB	TOTAL	
PROJECT						DATE	DIM
						97.10.23.	mm
TITLE		KDC15 — L24 — D				SCALE	PROJECTION
		ARRANGEMENT DRAWING FOR HOIST				A3/20	3rd
DRAWN		DESIGNED	CHECKED	APPROVED		REF. DRAWING	
		극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				SHEET No.	DWG No.
							KDC15D240



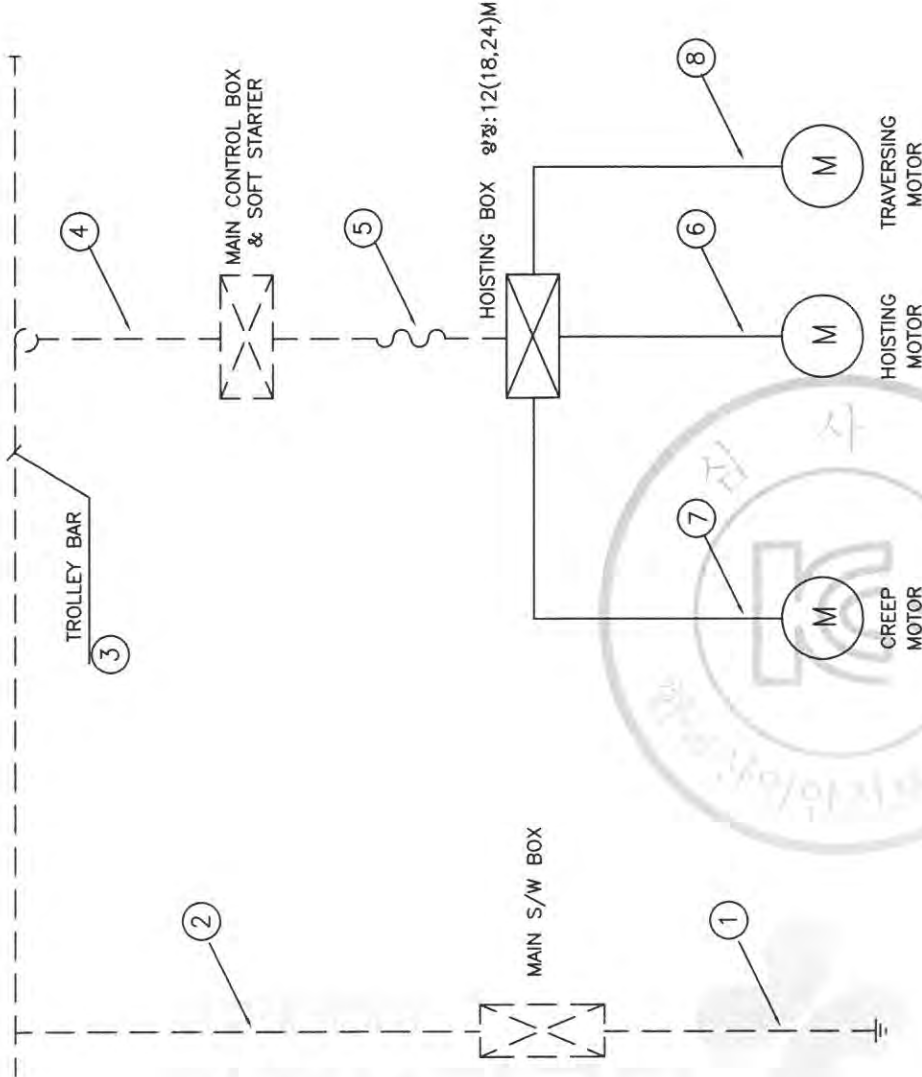


가득 환이 스미
제한하중
15000 K



극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
															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	220V : VCT 25SQ x 1C 380V : VCT 16SQ x 1C 440,460,480V : VCT 10SQ x 1C		
															6	HOISTING MOTOR WITH EARTH	220V : VCT 25SQ x 1C 380V : VCT 16SQ x 1C 440,460,480V : VCT 10SQ x 1C		
															7	CREEP MOTOR WITH EARTH	VCT 4.0SQ x 1C		
															8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C		



동전위접지

1. 전기장비와 기계의 노출된 모든 도선부는 보호분당회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.
2. 보호분당회로에는 계폐기, 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

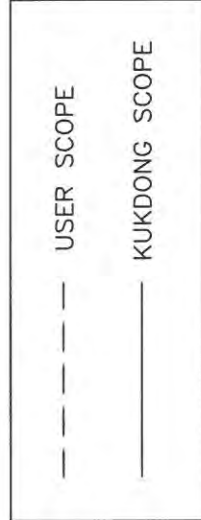
----- USER SCOPE

----- KUKDONG SCOPE

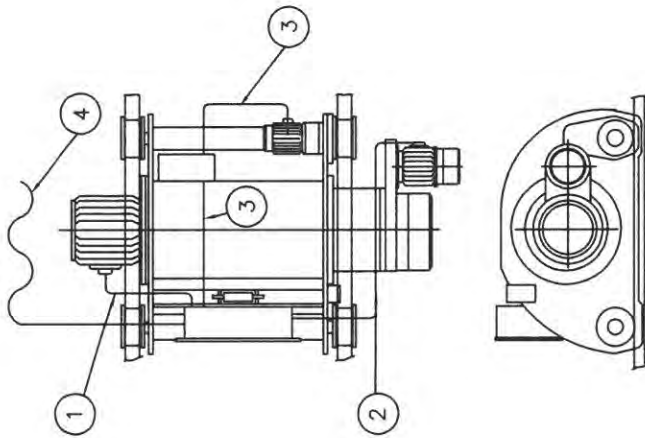
△																			
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MK	DATE	REVISIONS			CHK.	APP.	CUSTOMER		EARTH DETAILS DRAWING				DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
																	NONE		
																	DWG. NO		KOC15-EC001

1. 전기장비와 기계의 노출된 모든 도선부는 보호전도선에 연결되어야 하며 적절한 접지연속 성능이 유지되어야 함.
2. 보호전도선으로는 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



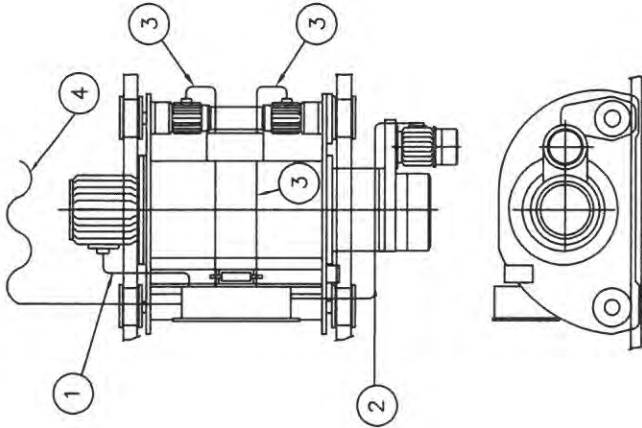
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본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와의
EARTH용 CABLE은 REFERENCE

NO	CABLE					REMARK
	TYPE	SIZE			TYPE	
		220V	380V	440V, 460V, 480V		
1	VCT	25sqx4c	16sqx5c	VCT	10sqx5c	HOISTING MOTOR WITH EARTH
2	VCT	4.0sqx4c	4.0sqx5c	VCT	4.0sqx5c	CREEP MOTOR WITH EARTH
3	VCT	4.0sqx4c+2.5sqx3c	4.0sqx4c+2.5sqx3c	VCT	4.0sqx4c+2.5sqx3c	T/S MOTOR WITH EARTH
4	VCT	25sqx4c	16sqx4c	VCT	10sqx4c	MAIN POWER WITH EARTH

[illegible]



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

NO	CABLE					REMARK
	TYPE	SIZE				
		220V	380V	TYPE		
1	VCT	25sqx4c	16sqx5c	VCT	440V,460V,480V	HOISTING MOTOR WITH EARTH
2	VCT	4.0sqx4c	4.0sqx5c	VCT	4.0sqx5c	CREEP MOTOR WITH EARTH
3	VCT	4.0sqx4c	2.5sqx3c	VCT	4.0sqx4c+2.5sqx3c	T/S MOTOR WITH EARTH
4	VCT	25sqx4c	16sqx4c	VCT	10sqx4c	MAIN POWER WITH EARTH

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MM	DATE		REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE		
							GROUND WIRE SYSTEM		
								DRAWING	
								CHECKED	
								DESIGN	
								APPROVED	
								SCALE	NONE
								DATE	
								ORDER NO.	KDC15D234

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

극동호이스트
제한하중
15000K

사용 전압 : 000V
조작 전압 : 000V

도어커버 개폐시 ON/OFF

6

1

2

3

4

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'	
6	MIRCO S/W	PUR'	도어커버 개폐시 ON/OFF

IN DOOR

OUT DOOR

NOTE

1.PROTECTION DEGREE ;
A. INDOOR TYPE : DUST PROOF
B. OUT DOOR TYPE : SPLASH PROOF

2.FINAL PAINTING COLOR (MUNSELL NO.)
A. IN SIDE : 10B 3/5
B. OUT SIDE : 10B 3/5

3.PAINTING THICKNESS : ABOVE 40 um

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

5.제어용 전선 : 1.5sq KIV,HIV

6.외함 개방구조는 다음과 같다.

1) 외함 개방시 충전부분이 차단되도록 한다.

2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의 직접접촉 방호가 되어있을것.

SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR			OUT DOOR			REMARK
			A	B	L	A	B	L	
	15 TON	NORMAL	650	220	850	650	220	850	
	15 TON	CREEP	650	220	850	650	220	850	

DRAWING

DESIGN

CHECKED

APPROVED

SCALE

DATE

ORDER NO.

HOISTING CONTROL BOX

LAY-OUT

CUSTOMER

DRAWING TITLE

CHK. APP.

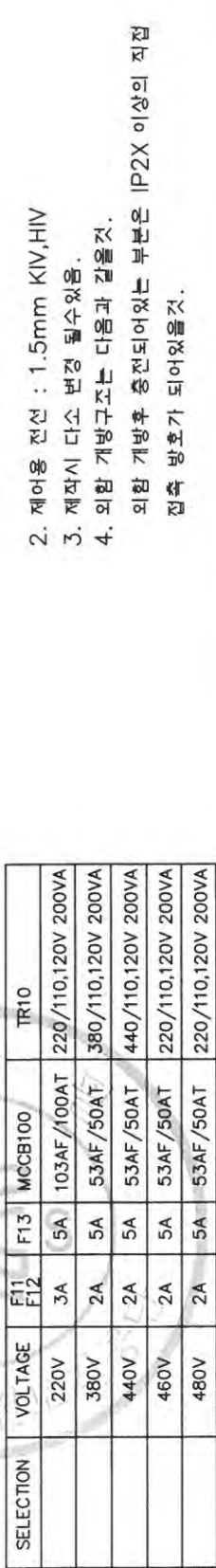
REVISIONS

DATE

극동호이스트 주식회사
KUK DONG HOIST CO., LTD.

DWG. NO

KDC15EB00



1. 진이 새 생이 안 에 다 가 같 다.

- 1) 목적 : 그를 미 작류 전집신로
- 2) 목적 : 그를제이회로
- 3) 주황 : 외부 전집에서 금코드는 인종장지 제이회로
- 4) 목적 또는 목적과 황색 황용 : 전지신
- 5) 목적 : 그를 제이신로

2. 제어용 전선 : 1.5mm KIV,HIV

3. 제작시 다스 보정 될수있음.
4. 외함 개포구각 다임과 같지.에

[illegible][illegible]

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

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선 5) 청색 : 직류 제어선

2) 적색 : 교류제어회로

3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로

4) 녹색 또는 녹색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq

3. 제어용 전선 : 1.5mm KIV,HIV

4. 제작시 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.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	DMC85C	1	MAIN MAG.
3	MAGNET CONTACT	MC-185a	2	HOISTING
4	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
5	MAGNET CONTACT	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 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F11,F12)	3 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	220V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5t×25×50	1	
21	CABLE DUCT	-	1	

NOTE

1. UPPER LIMIT LS-1의 접점 허용 전류 용량. : AC 600V, 3A

2. UPPER LIMIT LS-2의 접점 허용 전류 용량. : NFB 103AF

3. EARTH TERMINAL RESISTANCE : 0.018 Ω

4. POWER SOURCE : AC. 3Ø 220V 60HZ

5. ----- : USER SCOPE(MONO RAILS)

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선 5) 청색 : 직류 제어선

2) 적색 : 교류제어회로

3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로

4) 녹색 또는 녹색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq

3. 제어용 전선 : 1.5mm KIV,HIV

4. 제작시 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.

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

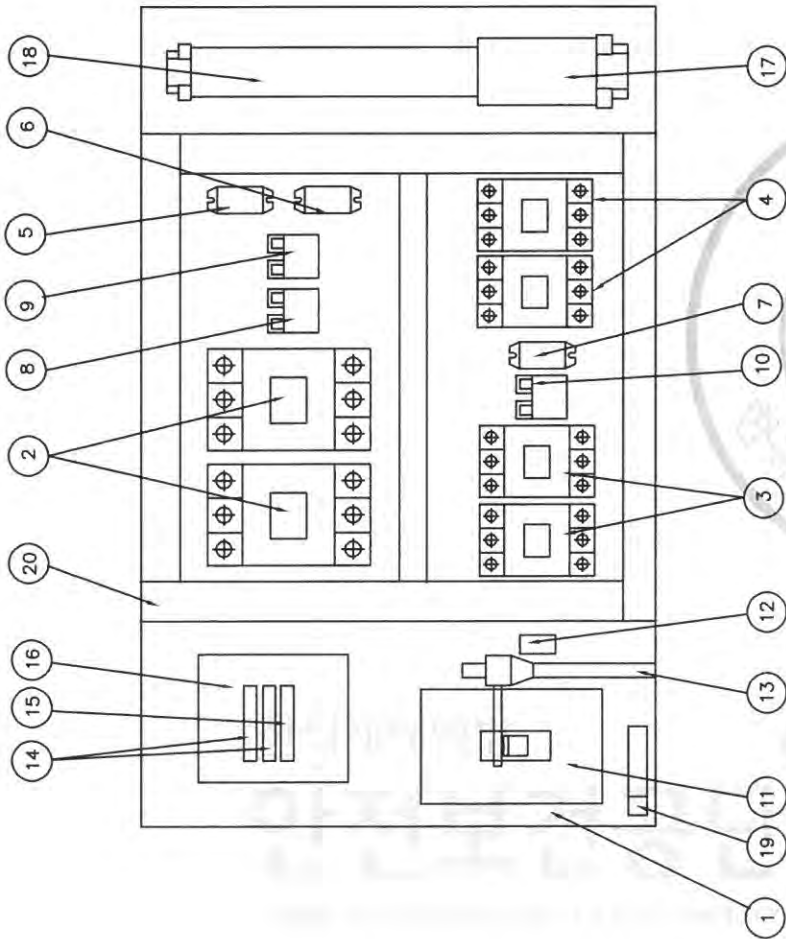
CUSTOMER		DRAWING TITLE	
		HOISTING CONTROL BOX	
		ARRANGEMENT DRAWING	

MK	DATE	REVISIONS	CHK.	APP.

KUK DONG HOIST CO., LTD.

KDC15BA21

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ADR'S NO.																			



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	MC-180a	2	HOISTING
3	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
4	MAGNET CONTACT	DMC22C	2	TRAVERSING
5	SILICON RECTIFIER	SR-60	1	HOISTING
6	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
7	SILICON RECTIFIER	SR-30	1	TRAVERSING
8	E.O.C.R	SS-100	1	HOISTING
9	E.O.C.R	SS-30	1	CREEP HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	N.F.B	103AF/100AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-400	1	
14	FUSE (F11,F12)	3 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	220V/110,120V, 200VA	1	
17	TERMINAL BLOCK	100A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5tx25x50	1	
20	CABLE DUCT	-	1	

NOTE

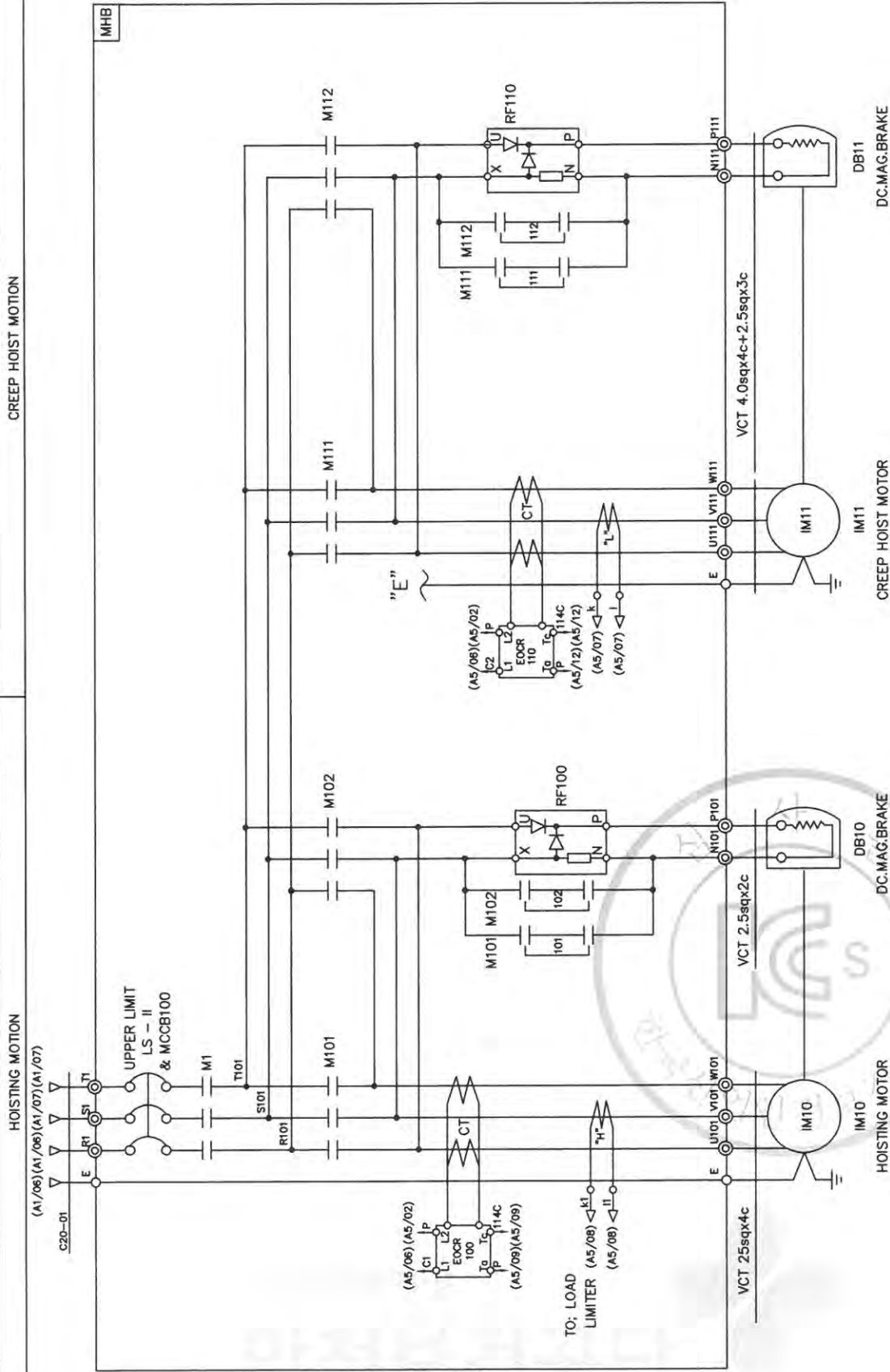
- UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
- UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 103AF
- EARTH TERMINAL RESISTANCE : 0.018 Ω
- POWER SOURCE : AC. 3Ø 220V 60HZ



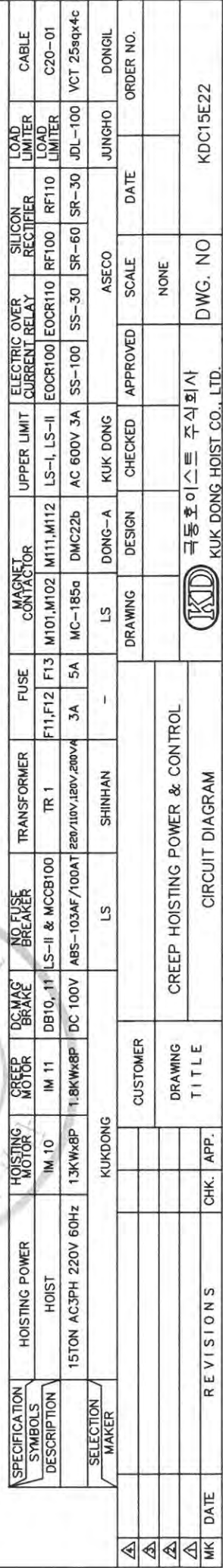
NOTE

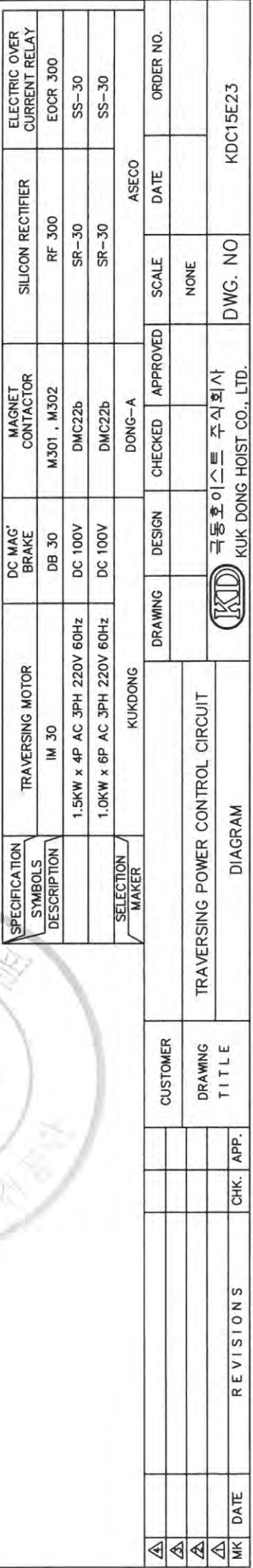
- 전선의 색상은 다음과 같다.
 - 색 : 교류 및 직류 전원선
 - 색 : 교류 제어회로
 - 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 녹색 또는 녹색과 황색 혼용 : 접지선
- CABLE MATERIAL : KIV OR EQUIVALENT
 - MIN SIZE : 2.5sq
- 제어용 전선 : 1.5mm KIV,HIV
- 제지시 다소 변경 될수있음.
- 외함 개방구조는 다음과 같을것.
 - 외함 개방시 충전부분이 차단되도록 할것.
 - 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

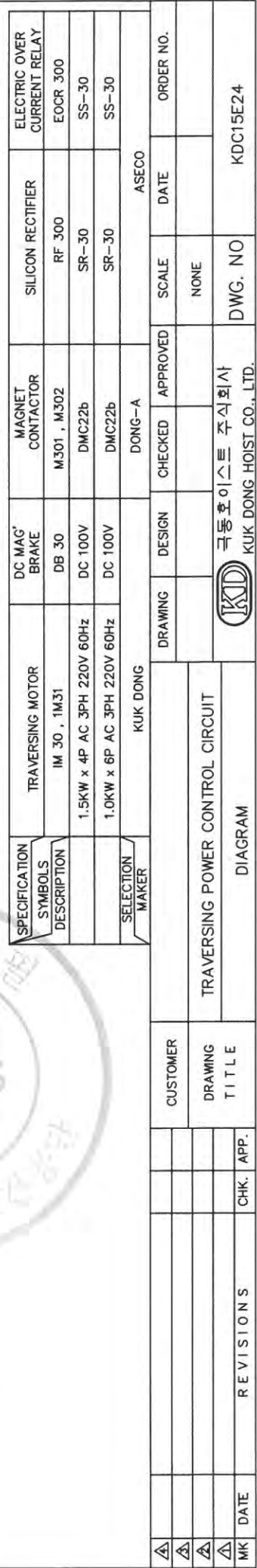
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC15BA22
ARRANGEMENT DRAWING						
HOISTING CONTROL BOX(CRANE)						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
CHK. APP.						
DATE						

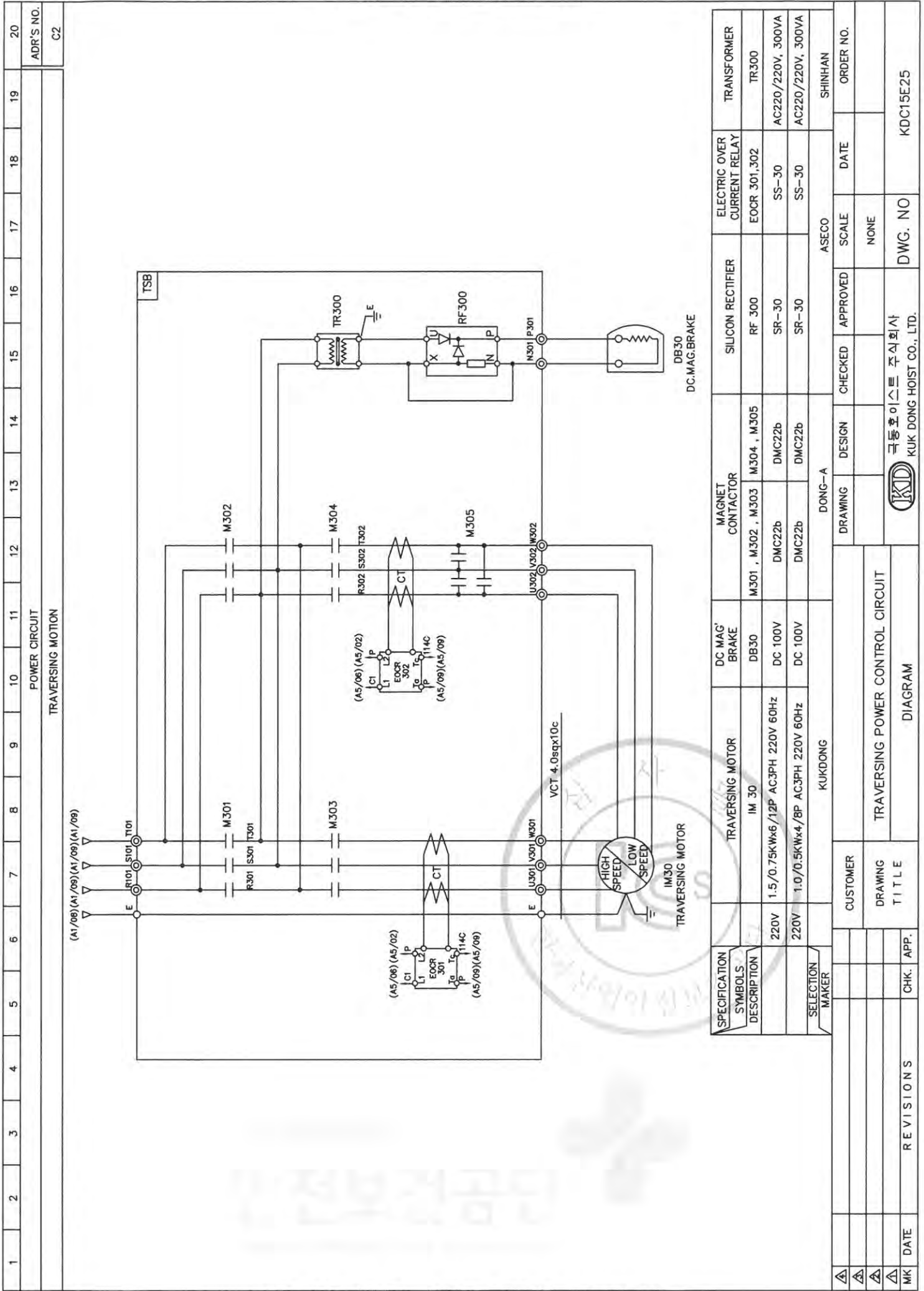


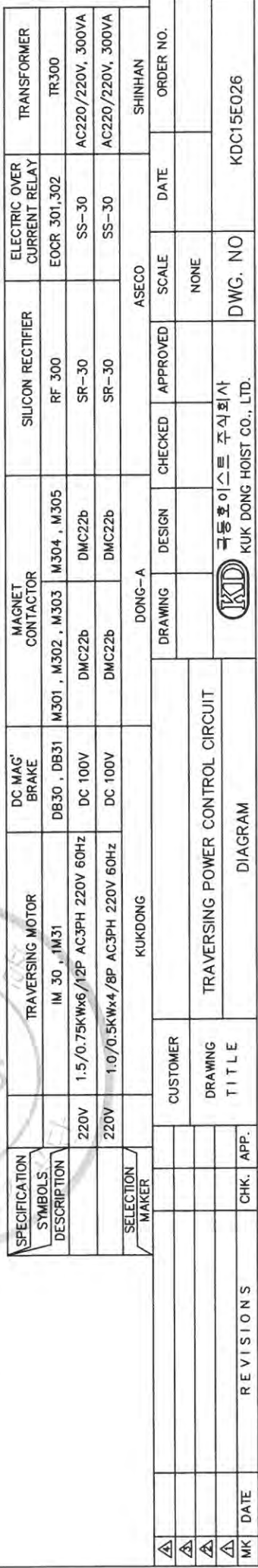
SPECIFICATION SYMBOLS DESCRIPTION	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 11	DB10, 11	LS-II & MCCB100	TR 1	F11, F12 F13	M1	M101, M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
SELECTION MAKER	15TON AC3PH 220V 60Hz	1.3KWx8P	1.8KWx8P	DC 100V	ABS-103AF/100AT	220/110V, 120V, 200VA	3A 5A	DMCB5C	MC-185a	AC 600V 3A	SS-100	SR-60	JDL-100	VCT 25sqx4c
	KUK DONG													
A				CUSTOMER				DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				DRAWING										
A				DRAWING TITLE	CREEP HOISTING POWER & CONTROL									
A				REVISIONS	CIRCUIT DIAGRAM									
MK	DATE	CHK.	APP.	국동호이스트 주식회사 KUK DONG HOIST CO., LTD. DWG. NO KDC15E21										













1. UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3 ϕ 380V 60HZ
5. - - - : USER SCOPE(MONO RAIL8)

- 1) **출처** : 교통 및 지류 전문신문
- 2) **소재** : 교통제외도
- 3) **주요어** : 외부 전원에서 공급되는 긴급경계 제어도
- 4) **목적** 또는 **특성**과 **활용** : 긴급 : 접근
- 5) **장해** : 외부 제어전로

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

3. 제어용 전선 : 1.5mm KIV,HIV

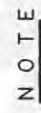
4. 제작시 반드시 표지 부착.

5. 외환 개방구조는 다음과 같을것.

1) 외함 개방시 충전부분이 차단되도록 함.

2) 외함 개방후 충전되어있는 부분은 P2X 이상의 직접 접촉 방호가 되어있을것.

[illegible]



- 

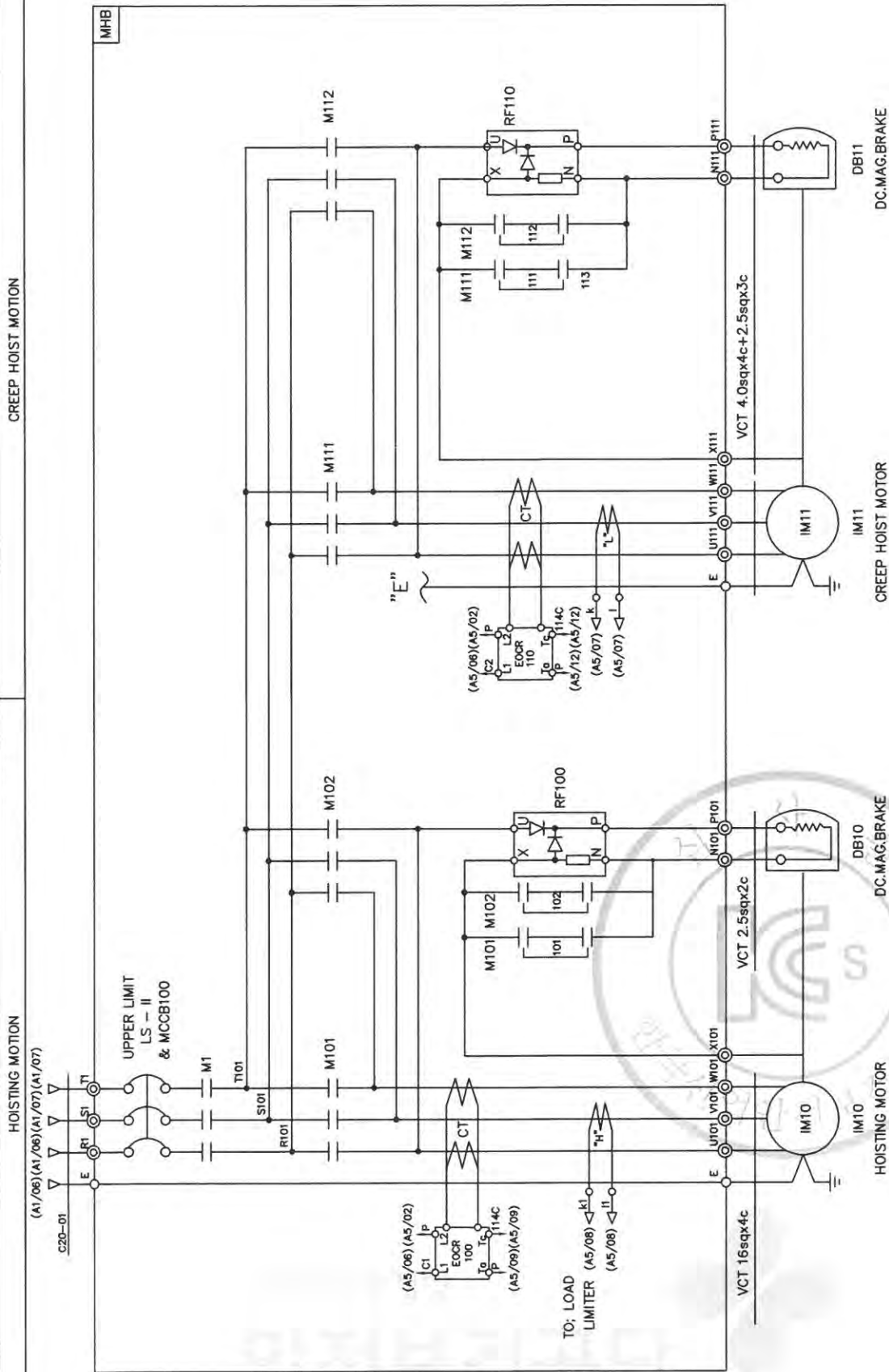
- 1) 흑색 : 고무 및 지류 전원선로
- 2) 적색 : 고무제어회로
- 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
- 4) 녹색 또는 녹색과 황색 혼합 : 접지선

2. CABLE MATERIAL : ┌ KIV OR EQUIVALENT
MIN SIZE : 2.5sq

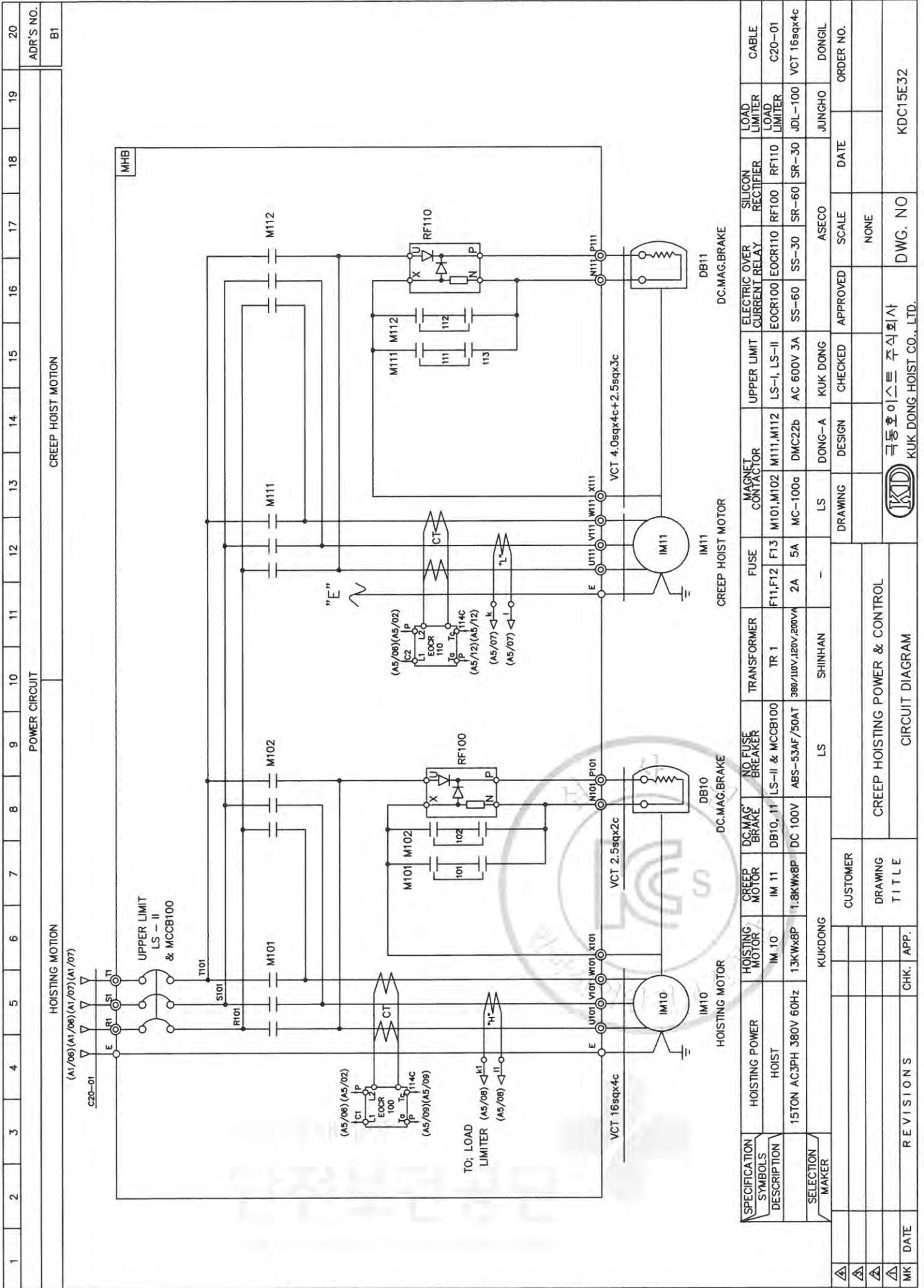
3. 제어용 전선 : 1.5mm KIV,HIV
4. 제어시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.

- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가

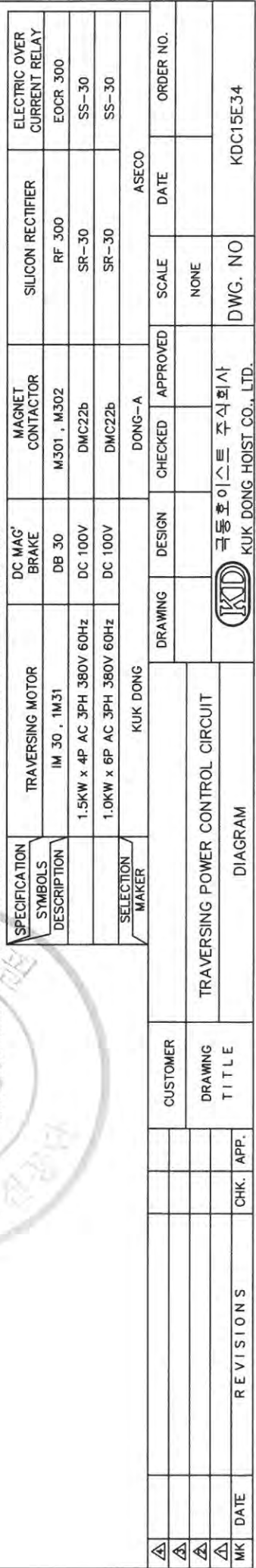
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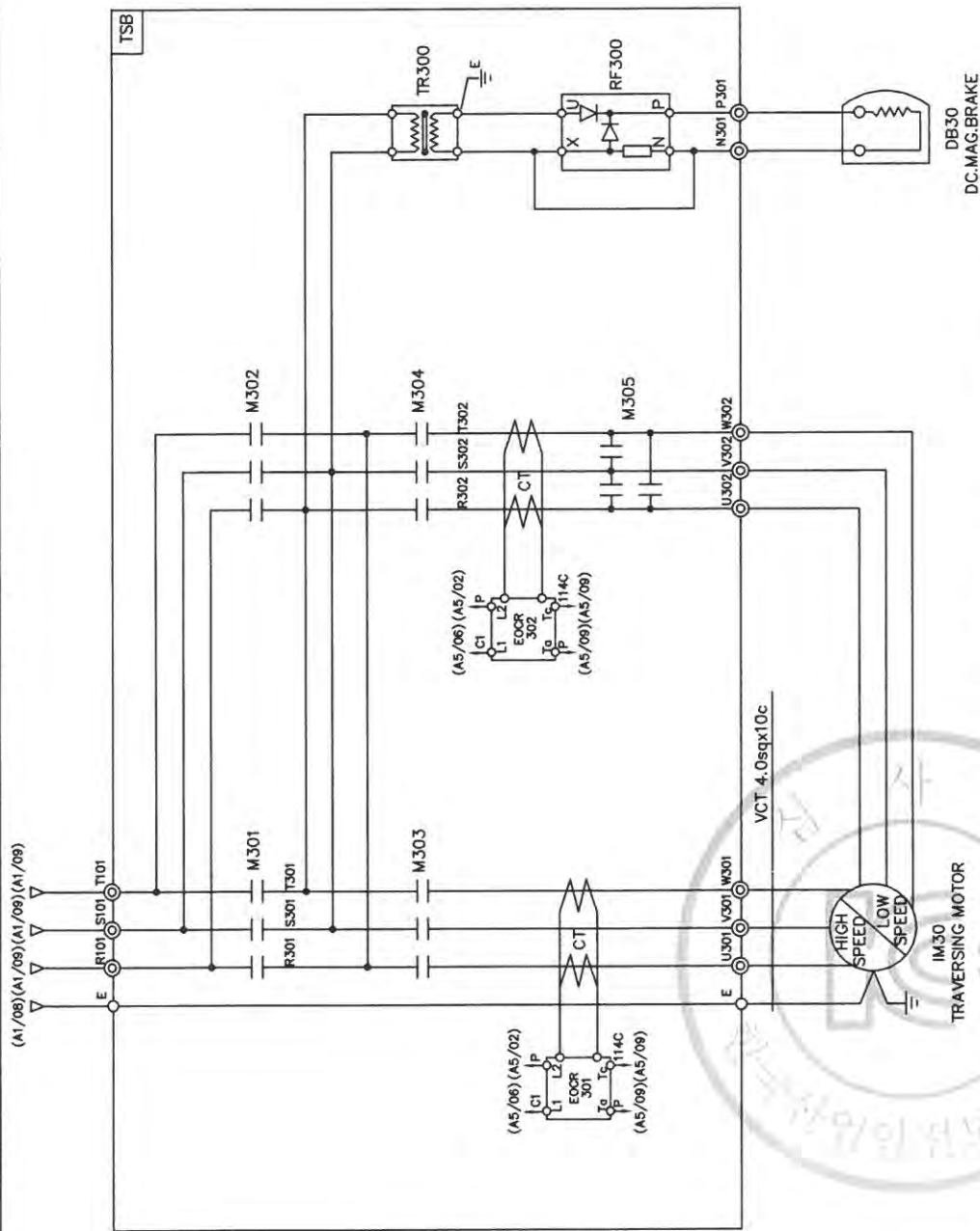
SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 11	DB10, 11	LS-II & MCCB100	TR 1	F11,F12 F13	M1	M101,M102 M111,M112	LS-I, LS-II	EOCR100 EOCR110	RF100 RF110	LOAD LIMITER	C20-01
SELECTION MAKER	15TON AC3PH 380V 60Hz	13KWx8P	1.8KWx8P	DC 100V	ABS-53AF/50AT	380/110V,120V,200VA	2A 5A	DMC50C	MC-100a	DMC22b	AC 600V 3A	SS-60 SR-60	JDL-100	VCT 16sqx4c
	KUK DONG													
DRAWING	CUSTOMER	DRAWING TITLE	DONG-A	LS	SHINHAN	DONG-A	LS	DONG-A	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
REVISIONS	CHK.	APP.	CIRCUIT DIAGRAM											
DATE	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.													
DATE	DWG. NO KDC15E31													



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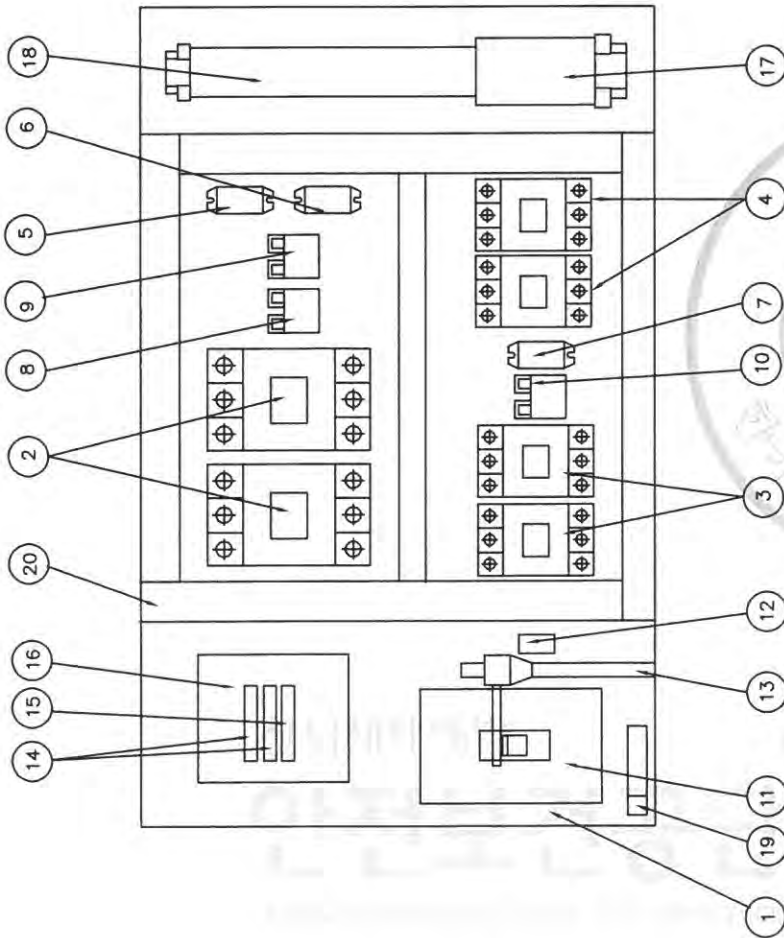


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



SPECIFICATION	SYMBOLS	DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
			IM 30	DB30	M301, M302, M303	RF 300	EOCR 301,302	TR300
		380V 1.5/0.75KWx6/12P AC3PH 380V 60Hz			DMC22b	DMC22b	SS-30	AC380/220V, 300VA
		380V 1.0/0.5KWx4/8P AC3PH 380V 60Hz			DMC22b	DMC22b	SS-30	AC380/220V, 300VA
SELECTION	MAKER	KUKDONG						
		DONG-A						
		ASECO						
		SHINHAN						
CUSTOMER			DRAWING			DATE		
DRAWING TITLE			TRAVERSING POWER CONTROL CIRCUIT			DWG. NO		
REVISIONS			KUKDONG HOIST CO., LTD.			KDC15E35		
MK	DATE		CHK.	APP.				

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



NOTE

1. UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3Ø 440V 60HZ

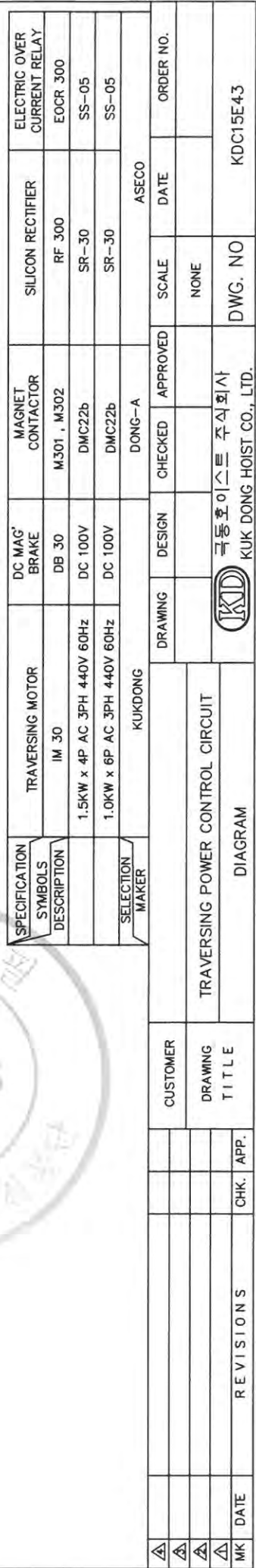


NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선
 - 2) 적색 : 교류제어회로
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 1.5mm KIV,HIV
 4. 제좌시 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.

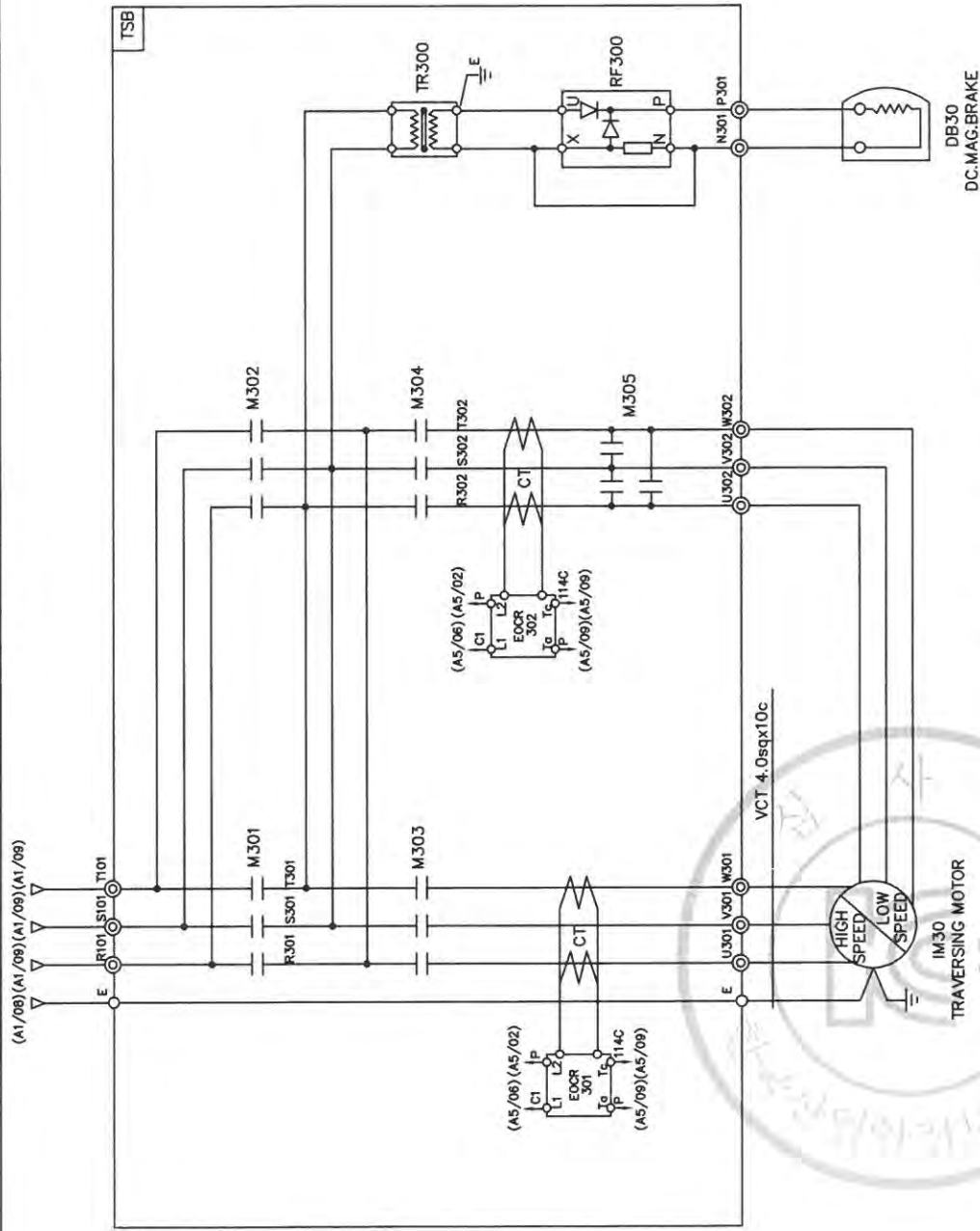
NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	MC-100a	2	HOISTING
3	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
4	MAGNET CONTACT	DMC22C	2	TRAVERSING
5	SILICON RECTIFIER	SR-60	1	HOISTING
6	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
7	SILICON RECTIFIER	SR-30	1	TRAVERSING
8	E.O.C.R	SS-60	1	HOISTING
9	E.O.C.R	SS-30	1	CREEP HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	N.F.B	53AF/50AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-400	1	
14	FUSE (F11,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	440V/110,120V, 200VA	1	
17	TERMINAL BLOCK	100A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5t25x50	1	
20	CABLE DUCT	-	1	

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
HOISTING CONTROL BOX(CRANE)						
ARRANGEMENT DRAWING						
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC15BA42
DATE	REVISIONS	CHK.	APP.			

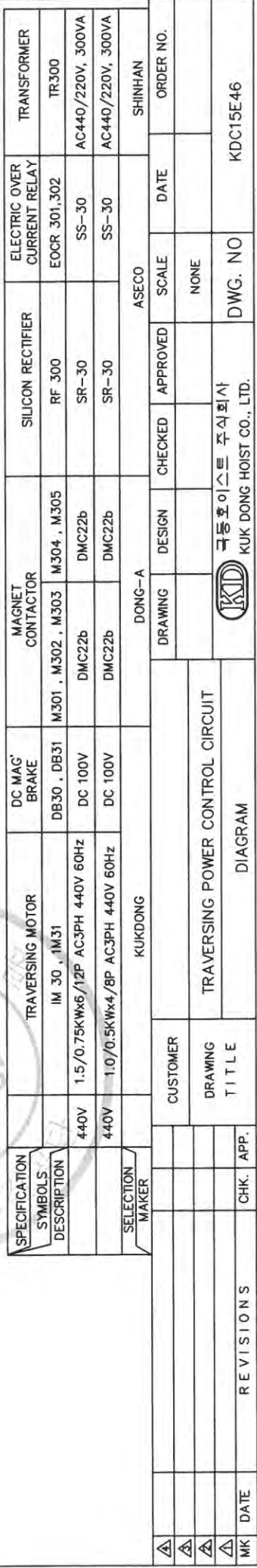


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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



SPECIFICATION SYMBOLS DESCRIPTION		TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR		SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER			
		IM 30	DB30	M301, M302, M303	M304, M305	RF 300	EOCR 301,302	TR300			
	440V	1.5/0.75KWx6/12P AC3PH 440V 60Hz	DC 100V	DMC22b	DMC22b	SR-30	SS-05	AC440/220V, 300VA			
	440V	1.0/0.5KWx4/8P AC3PH 440V 60Hz	DC 100V	DMC22b	DMC22b	SR-30	SS-05	AC440/220V, 300VA			
	SELECTION MAKER	KUKDONG									
				DONG-A		ASECO		SHINHAN			
		CUSTOMER			DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
		DRAWING TITLE	TRAVERSING POWER CONTROL CIRCUIT						NONE		

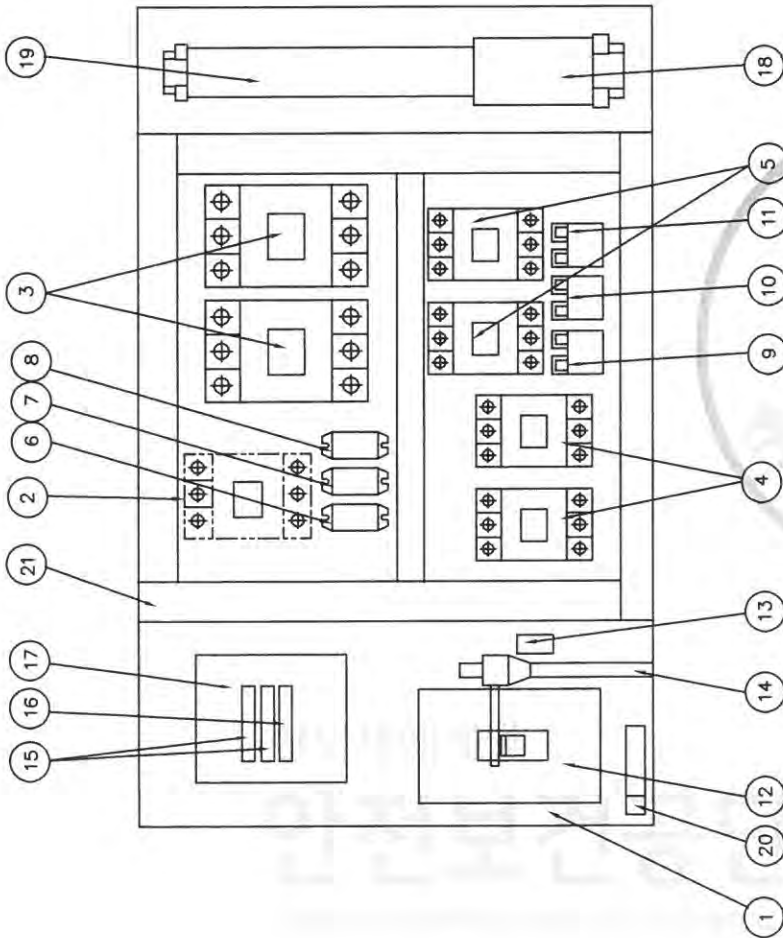


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
ADR'S NO.																			

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	? ? ? ?
2	MAGNET CONTACT	DMC50C	1	MAIN MAG.
3	MAGNET CONTACT	MC-100a	2	HOISTING
4	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
5	MAGNET CONTACT	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-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	N.F.B	53AF/50AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F11,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	460V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	CABLE DUCT	-	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선로 5) 청색 : 직류 제어선로
 - 2) 적색 : 교류제어회로
 - 3) 자황색 : 외부 전원에서 공급되는 운동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 1.5mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같음것.
- 1) 외함 개방시 충전부분이 차단되도록 함것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

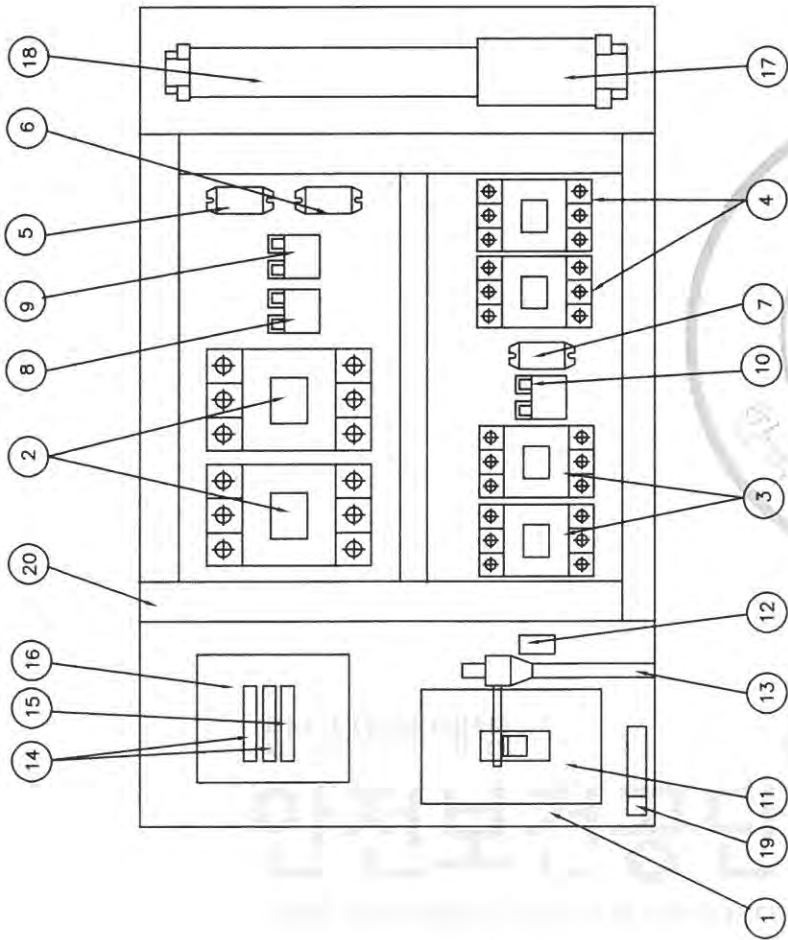


1. UPPER LIMIT LS-1의 접점 허용 전류 용량. : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량. : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3 ϕ 460V 60HZ
5. - - - - : USER SCOPE(MONO RAILS)



DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC15BA51
KUK DONG HOIST CO., LTD.						
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
MK	DATE	REVISIONS	CHK.	APP.		

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



NOTE

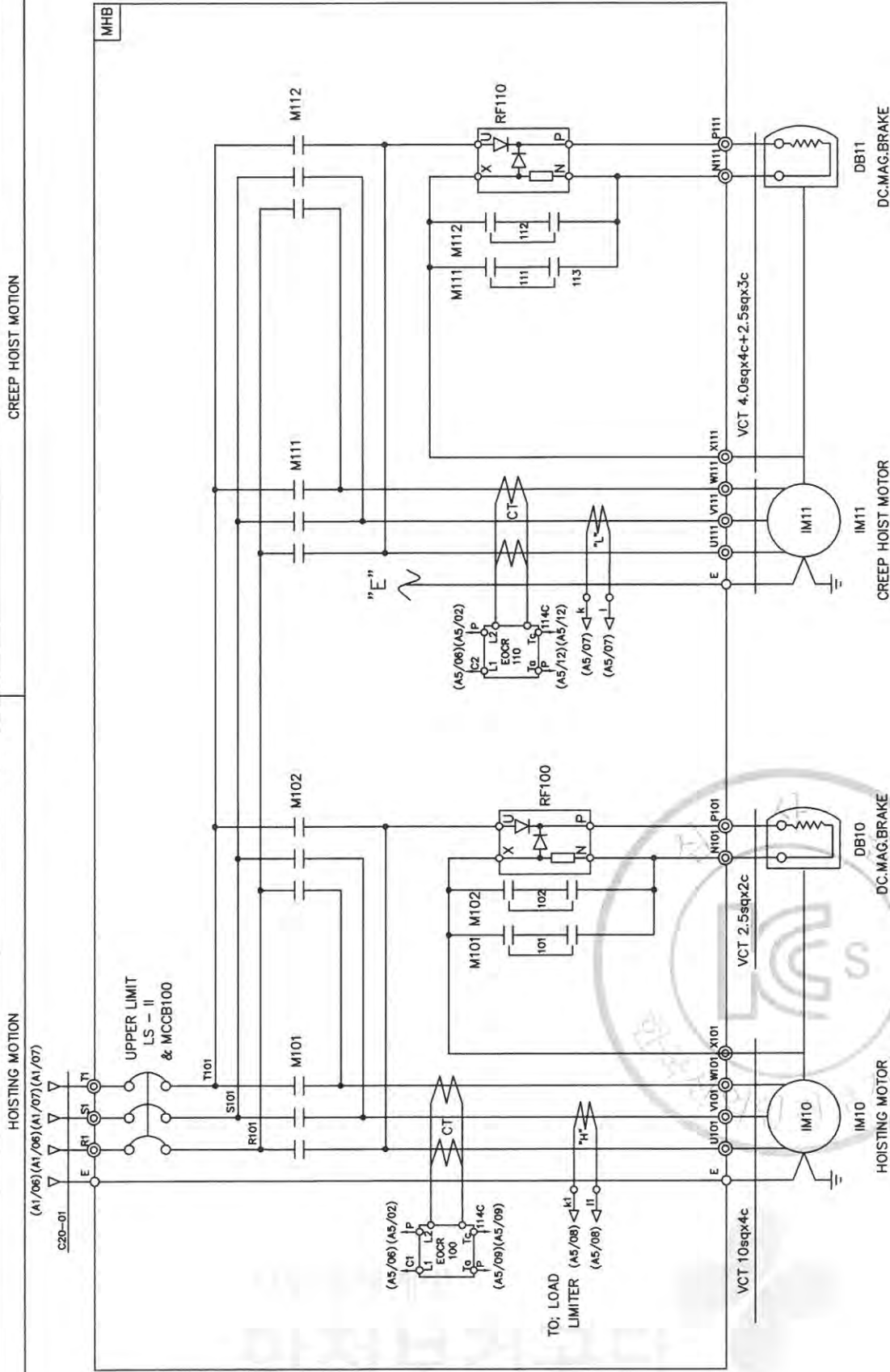
1. UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3Ø 460V 60HZ

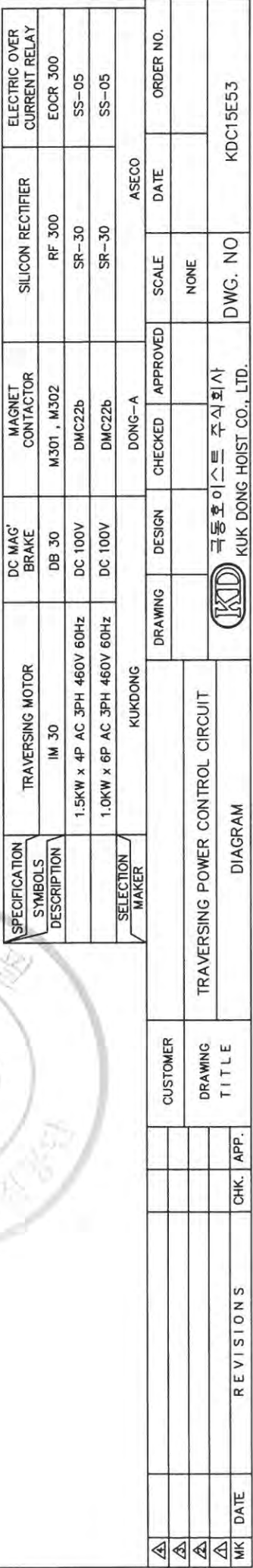


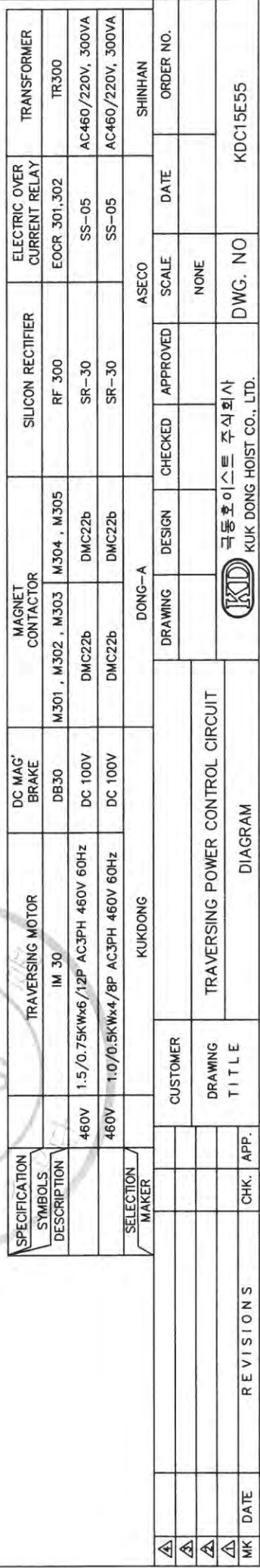
NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선
 - 2) 회색 : 교류 제어회선
 - 3) 주황색 : 외부 전원선에서 공급되는 연동장치 제어회선
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 1.5mm KIV,HIV
4. 제작시 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.

																
																
																
																
																
MK	DATE	R E V I S I O N S				CHK.	APP.	CUSTOMER	HOISTING CONTROL BOX(CRANE)	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
ARRANGEMENT DRAWING																
										극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KDC15BA52	
														NONE		

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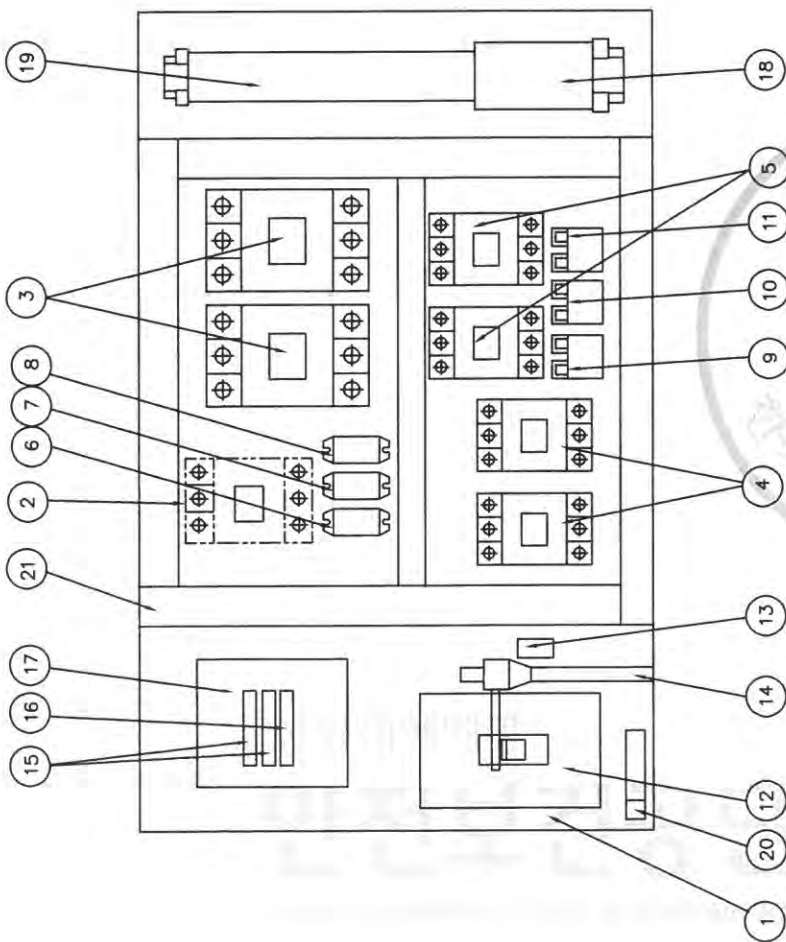




20	ADR'S NO.	C2
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SPECIFICATION			TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
SYMBOLS								
DESCRIPTION								
460V			IM 30 , 1M31	DB30 , DB31	M301 , M302 , M303	M304 , M305	RF 300	TR300
460V			1.5/0.75KWx6/12P AC3PH 460V 60Hz	DC 100V	DMC22b	DMC22b	SR-30	AC460/220V, 300VA
460V			1.0/0.5KWx4/8P AC3PH 460V 60Hz	DC 100V	DMC22b	DMC22b	SR-30	AC460/220V, 300VA
SELECTION MAKER			KUKDONG		DONG-A		ASECO	SHINHAN



NOTE

1. UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3 ϕ 480V 60HZ
5. - - - : USER SCOPE(MONO RAIL8)



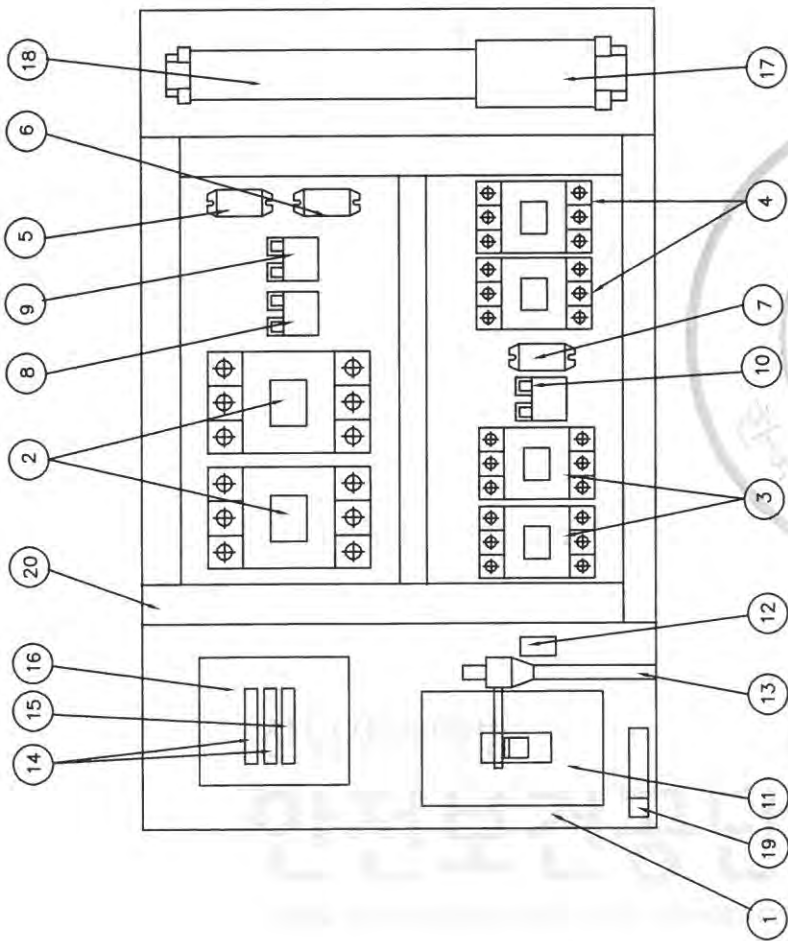
NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 고무 및 직류 전원선로
2) 적색 : 교류제어회로
3) 주황색 : 외부 전원에서 공급되는 인동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
- CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
- 제어용 전선 : 1.5mm KIV,HIV
제직시 다소 변경 될수있음.
외함 개방구조는 다음과 같음.
- 1) 외함 개방시 충전부분이 차단되도록 함것.
2) 외함 개방용 충전부분이 있는 부분은 IP2X 이상의 직접 접촉 방호가

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	? ? ? ?
2	MAGNET CONTACT	DMC50C	1	MAIN MAG.
3	MAGNET CONTACT	MC-100a	2	HOISTING
4	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
5	MAGNET CONTACT	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-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	N.F.B	53AF/50AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F11,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	480V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5tx25x50	1	
21	CABLE DUCT	-	1	

[illegible]

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



NOTE

1. UPPER LIMIT LS-1의 접점 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 접점 허용 전류 용량 : NFB 53AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC. 3Φ 480V 60HZ

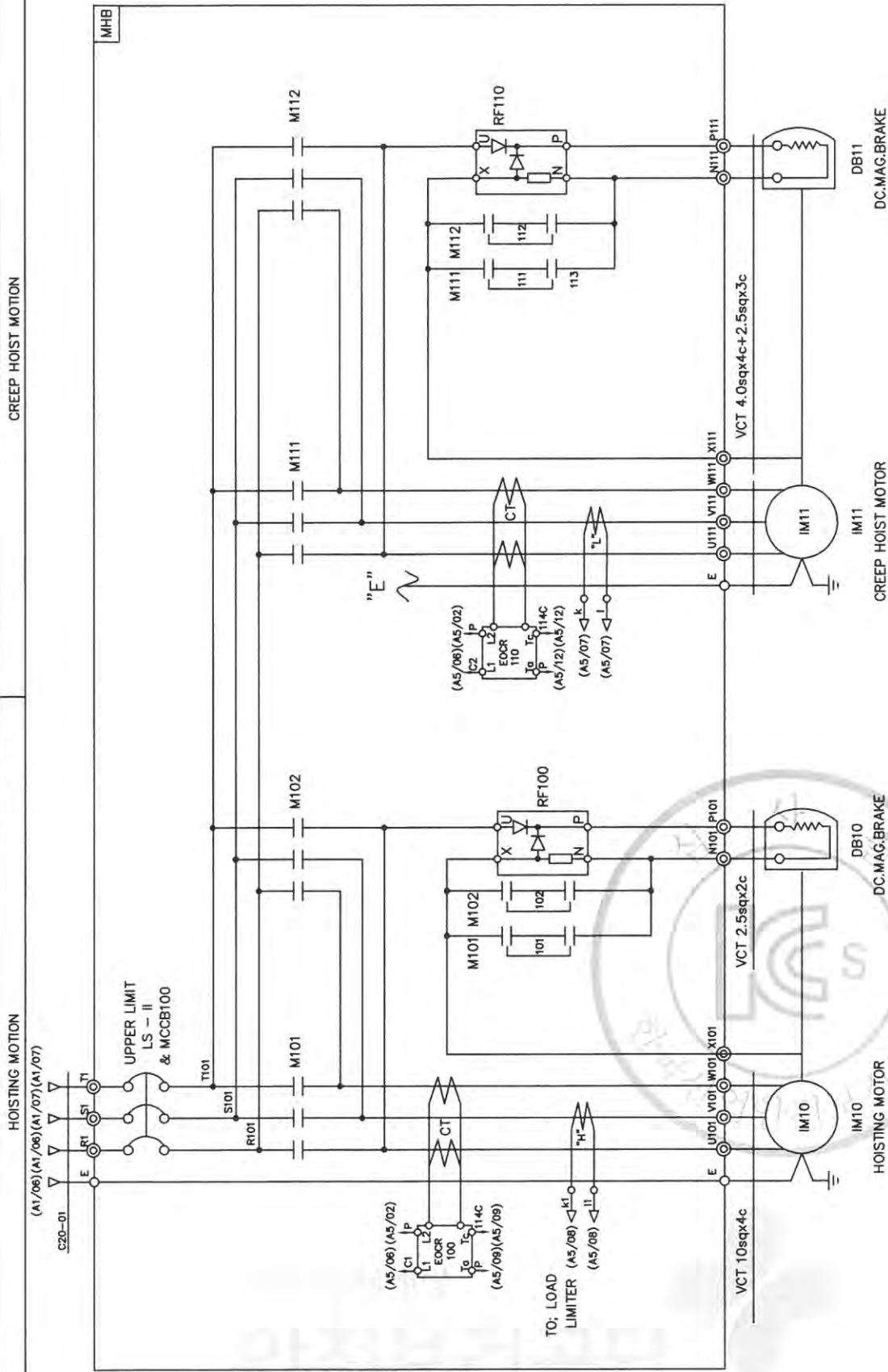


NOTE 1. 전선의 색상은 다음과 같다.

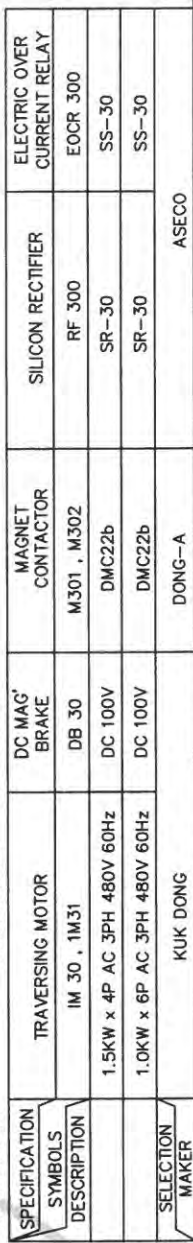
- 1) 흑색 : 교류 및 직류 전원선
 - 2) 적색 : 교류 제어회로
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 1.5mm KIV,HIV
 4. 제직시 다소 변경 될수있음.
 5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	MC-100a	2	HOISTING
3	MAGNET CONTACT	DMC22C	2	CREEP HOISTING
4	MAGNET CONTACT	DMC22C	2	TRAVERSING
5	SILICON RECTIFIER	SR-60	1	HOISTING
6	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
7	SILICON RECTIFIER	SR-30	1	TRAVERSING
8	E.O.C.R	SS-60	1	HOISTING
9	E.O.C.R	SS-30	1	CREEP HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	N.F.B	53AF/50AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-400	1	
14	FUSE (F11,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	480V/110,120V, 200VA	1	
17	TERMINAL BLOCK	100A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5tx25x50	1	
20	CABLE DUCT	-	1	

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOISTING CONTROL BOX(CRANE)						
ARRANGEMENT DRAWING						
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC15BA62
DATE	REVISIONS	CHK.	APP.	DWG. NO		

[illegible]

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[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																			
C2																			
ADR'S NO.																			

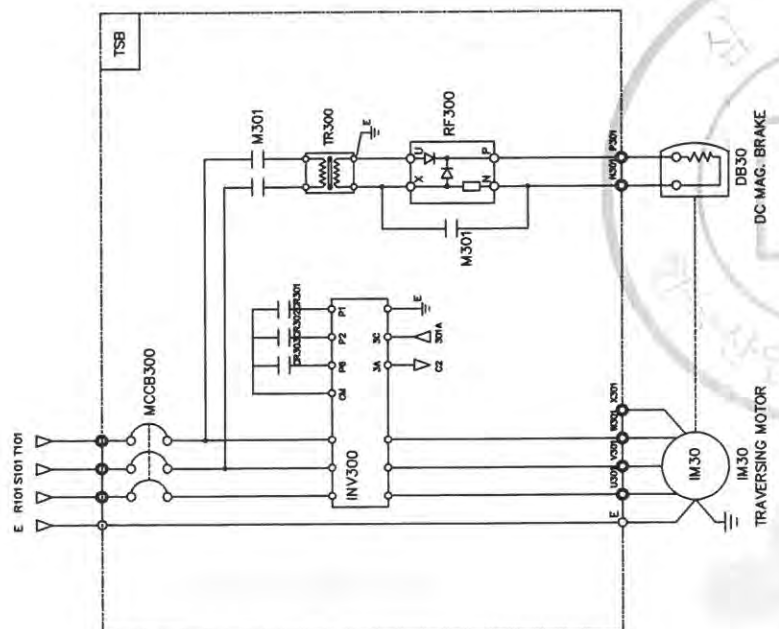
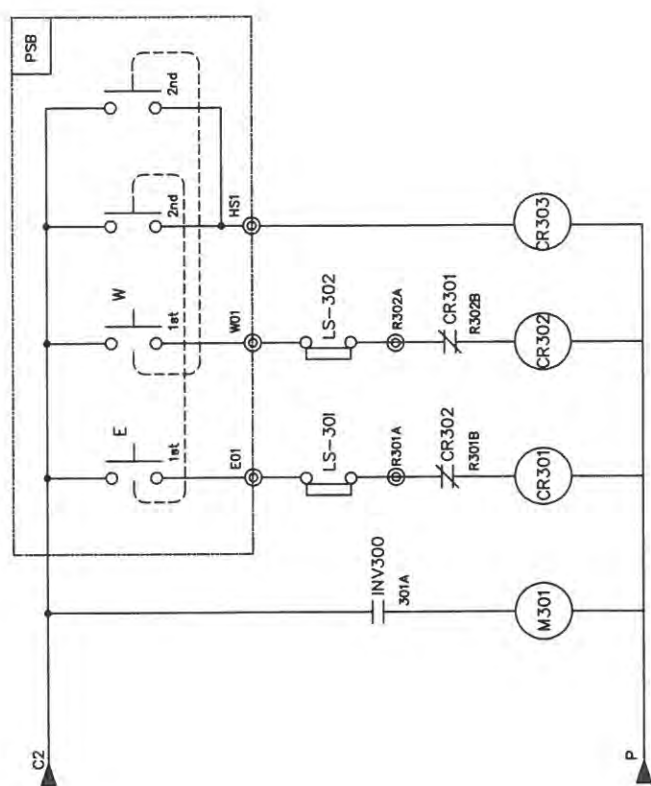
SPECIFICATION		SYMBOLS		DESCRIPTION		TRAVERSING MOTOR		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
						IM 30, 1M31		DB30, DB31		M301, M302, M303, M304, M305		RF 300		EOCR 301,302		TR300	
						480V 1.5/0.75KWx6/12P AC3PH 480V 60Hz		DC 100V		DMC22b		SR-30		SS-30		AC480/220V, 300VA	
						480V 1.0/0.5KWx4/8P AC3PH 480V 60Hz		DC 100V		DMC22b		SR-30		SS-30		AC480/220V, 300VA	
SELECTION		MAKER		KUKDONG		DONG-A		ASECO		SHINHAN							
CUSTOMER																	
DRAWING		TITLE		TRAVERSING POWER CONTROL CIRCUIT													
REVISIONS		CHK.		APP.													
DATE																	
DWG. NO																	
KDC15E66																	



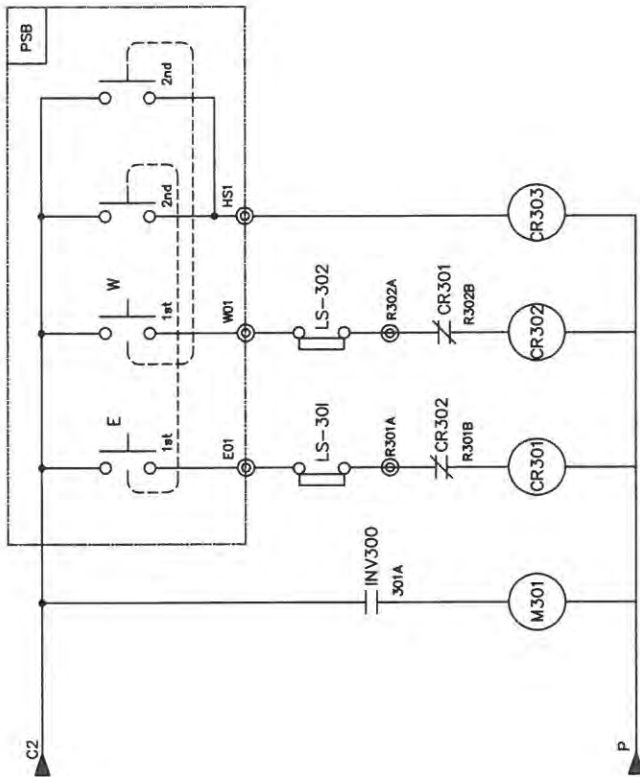
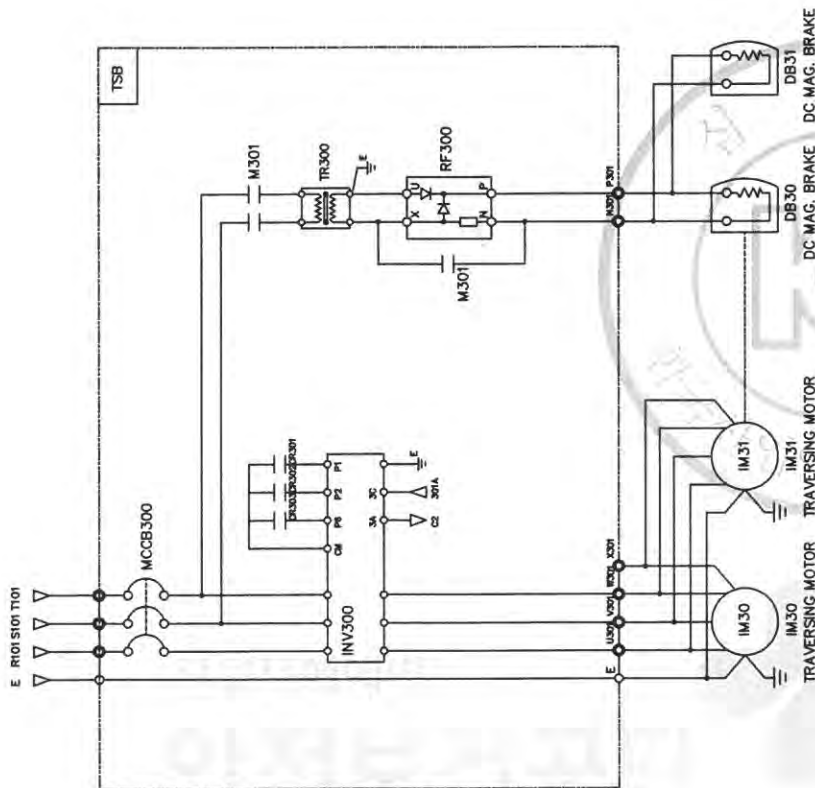
R1	S1	T1	U30/V30/W30/P30/N30	C2	P	ED1	R30/W1	W01	R302A	HS1
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[illegible]

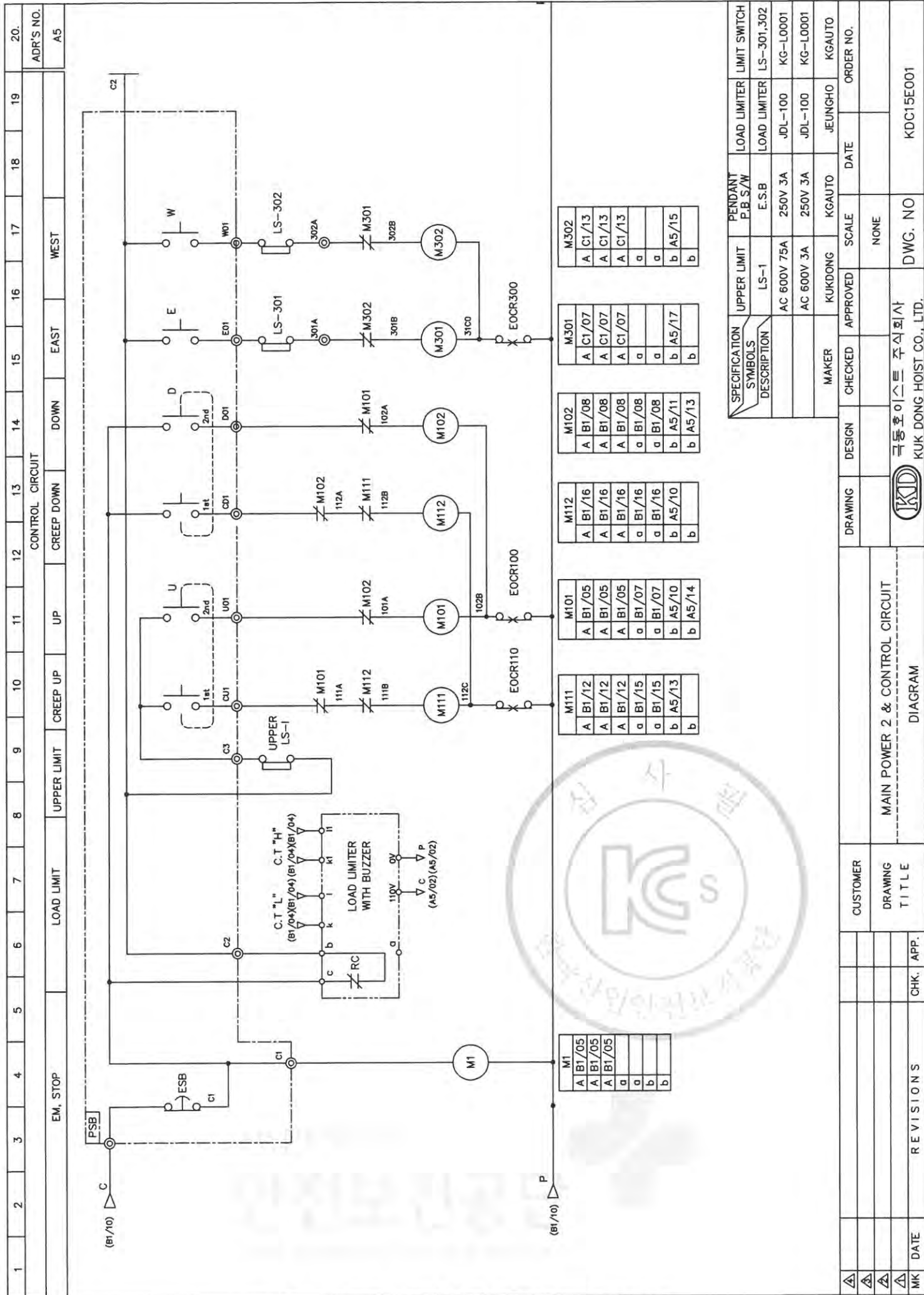
192.168.11.51 / 2019-05-21 14:14:11

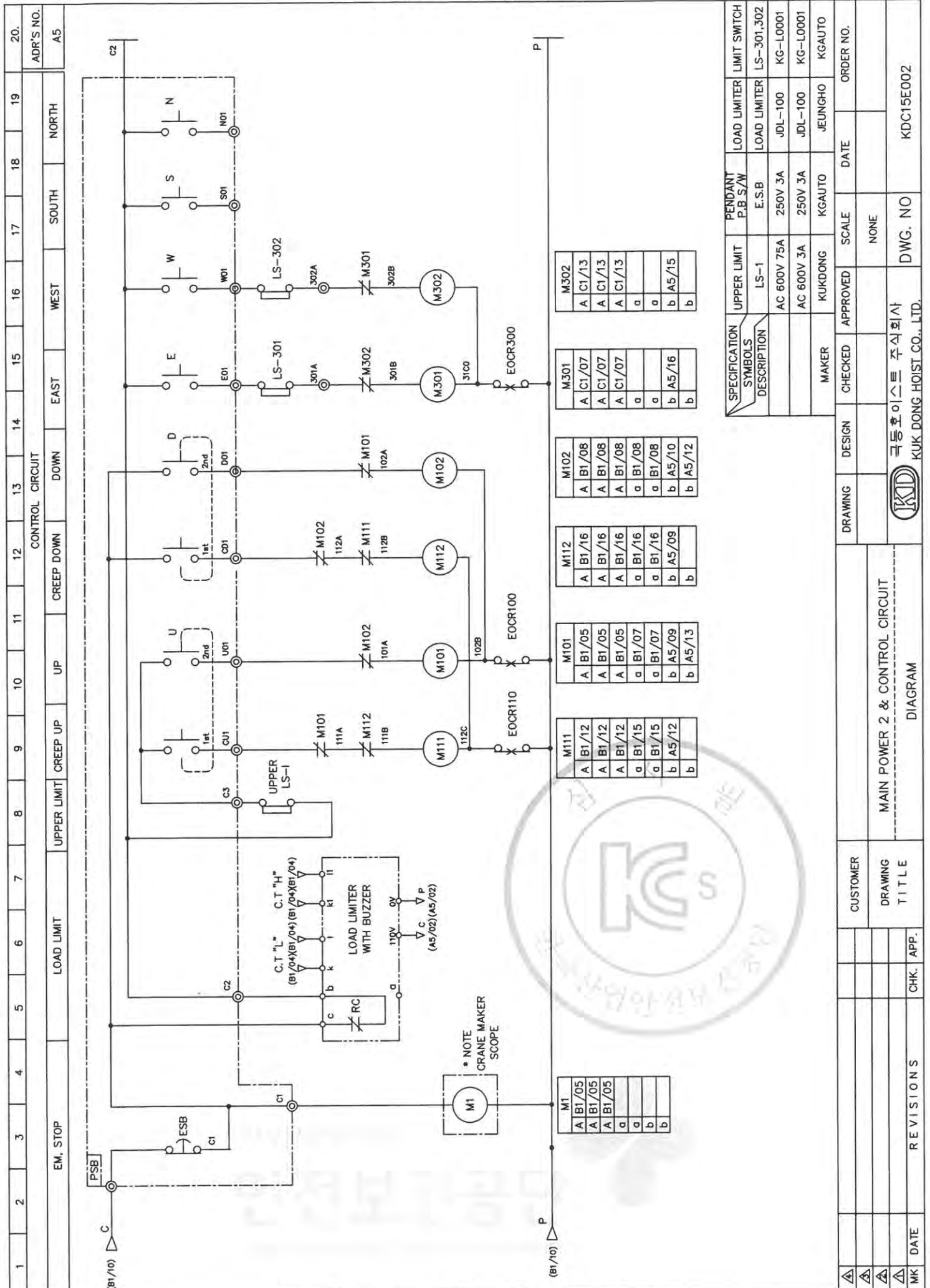
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POWER CIRCUIT DIAGRAM										CONTROL CIRCUIT DIAGRAM									
TRAVERSING MOTION										HIGH SPEED									
E R101 S101 T101										ADR'S NO.									
																			
SPECIFICATION SYMBOLS										TRANSFORMER									
DESCRIPTION										BRAKE MAGNET									
SELECTION MAKER										CONTROL RELAY									
TRAVERSING POWER										INVERTER									
IM 30										SILICON RECTIFIER									
AC 3PH 220V 60Hz										INV300									
AC 3PH 380(440,460,480)V 60Hz										SV015IG5A-2									
KUK DONG HOIST										SV015IG5A-4									
CUSTOMER										LS									
DRAWING TITLE										APPROVED									
CHK.										DATE									
REVISIONS										SCALE									
APPROVED										DWG. NO									
DATE										ORDER NO.									
MK										KUK DONG HOIST CO., LTD.									
KUK DONG HOIST										K15E1004									

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									
TRAVERSING MOTION										HIGH SPEED									
E R101S101T101										ADR'S NO.									



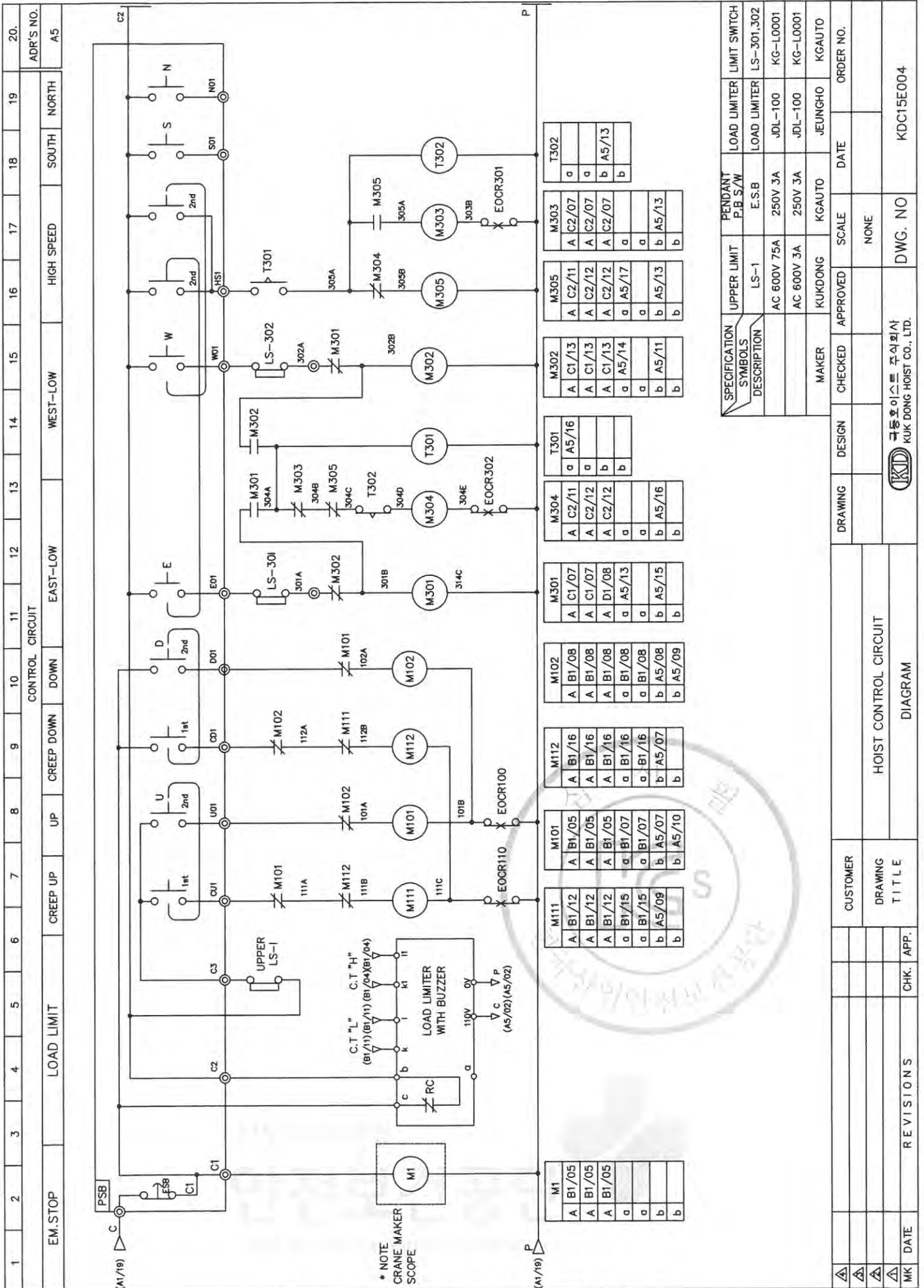
SPECIFICATION SYMBOLS	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER
	AC 3PH 220V 60Hz	IM 30,31	DB30,31	MCCB300	TR 300	M301	CR301,302,303	INV300	RF300
SELECTION MAKER	AC 3PH 380(440,460,480)V 60Hz	1.5KW x 4P	DC 100V	ABE-33AF/20AT	-	DMC22b	MINI 4a4b	SV037IG5A-2	SR-30
	AC 3PH 380(440,460,480)V 60Hz	1.5KW x 4P	DC 100V	ABE-33AF/20AT	380(440,460,480)/220V,300VA	DMC22b	MINI 4a4b	SV037IG5A-4	SR-30
KUK DONG HOIST									
INVERTER CONTROL									
CUSTOMER									
DRAWING TITLE									
TRAVERSING POWER & CONTROL CIRCUIT									
DIAGRAM									
DRAWING DESIGN CHECKED APPROVED SCALE DATE ORDER NO.									
KUK DONG HOIST CO., LTD.									
KDD									
극동호이스트 주식회사									
DWG. NO									
KD15EI005									
REVISIONS									
CHK. APP.									
DATE									





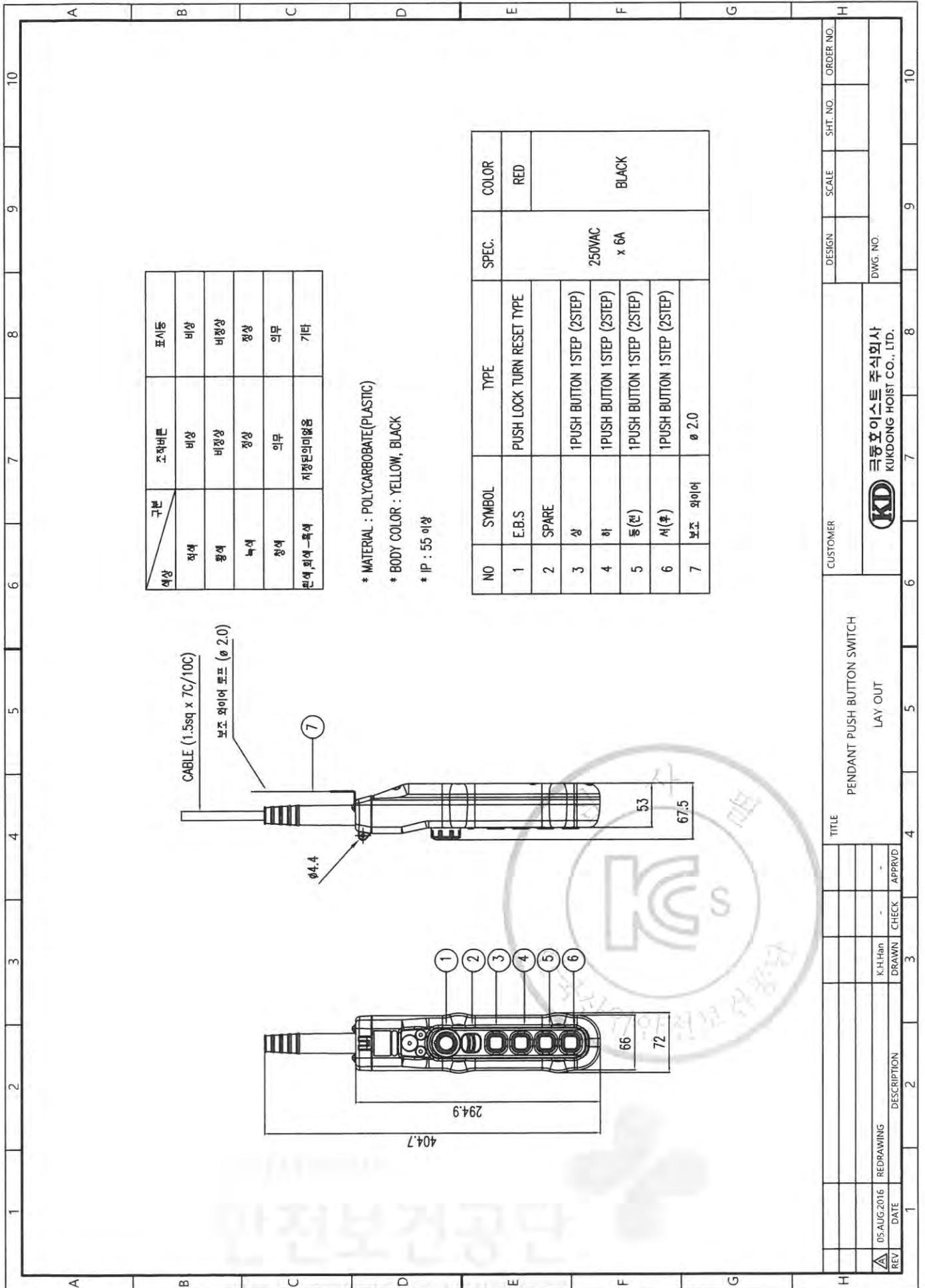
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제법복제 및 배포금지

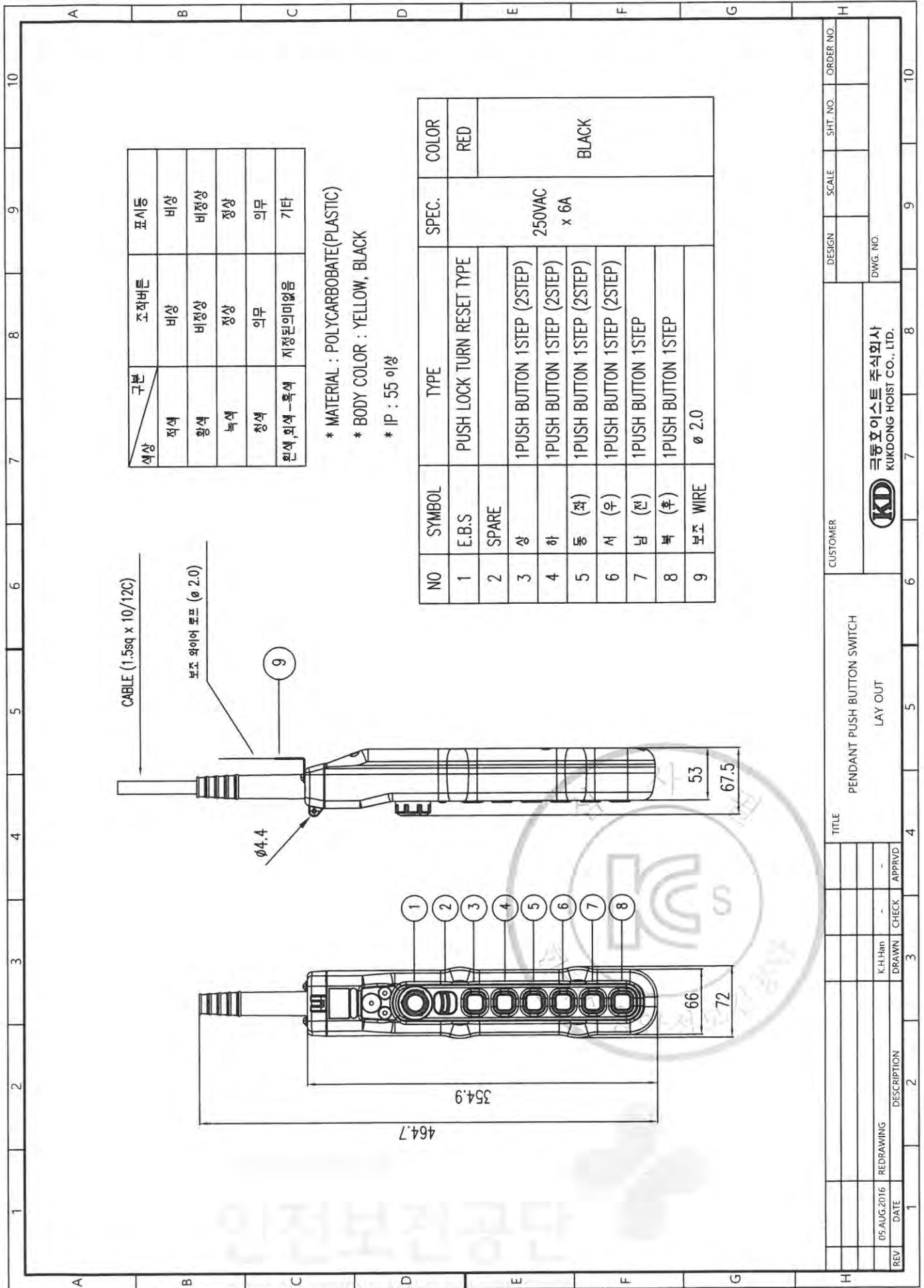


SPECIFICATION SYMBOLS	UPPER LIMIT	PENDANT P.B S/W	LOAD LIMITER	LIMIT SWITCH
DESCRIPTION	LS-1	E.S.B	LOAD LIMITER	LS-301,302
	AC 600V 75A	250V 3A	JDL-100	KG-L0001
	AC 600V 3A	250V 3A	JDL-100	KG-L0001
MAKER	KUKDONG	KGAUTO	JEUNGHO	KGAUTO

MK	△																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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CUSTOMER		DESIGN	SCALE	SHT. NO.	ORDER NO.
KUDONG HOIST CO., LTD.					
KUDONG HOIST CO., LTD.		DWG. NO.			



LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	59.0 A	64.0 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.7 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	81.9 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.7 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	81.9 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.7 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.8 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

극동하이스트(주)

* POWER SOURCE : AC 3Φ 380V 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%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	34.2 A	37.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	48.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	48.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 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

극동하이스트(주)

* 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%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	29.5 A	32.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 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 460V 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%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	28.4 A	31.3 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.4 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.4 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 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

극동하이스트(주)

* POWER SOURCE : AC 3Φ 480V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	27.2 A	30.0 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	38.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	38.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 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.



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	
C15 TON	13KW x 8P	59.0 A	1 DRAVE	SS-100	3 SEC	1 SEC	59.0 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C20 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C30 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C35 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C40 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C50TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C60 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C70 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 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 3 380V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	1 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C15 TON	13KW x 8P	34.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.0 A	
	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
C20 TON	17KW x 8P	44.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.3 A	
	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
C30 TON	17KW x 8P	44.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.3 A	
	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
C35 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
C40 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
C50 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
C60 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
C70 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 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

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C15 TON	13KW x 8P	29.5 A	1 DRAVE	SS-60	3 SEC	1 SEC	29.5 A	
	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C20 TON	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C30 TON	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C35 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
C40 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
C50 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
C60 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
C70 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 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	
C15 TON	13KW x 8P	28.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	29.5 A	
	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C20 TON	17KW x 8P	36.7 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C30 TON	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C35 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
C40 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
C50 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
C60 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
C70 TON	33KW x 6P	60.5 A	1 DRAVE	SS-100	3 SEC	1 SEC	60.5 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 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

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C15 TON	13KW x 8P	27.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	29.5 A	
	1.8KW x 8P	5.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C20 TON	17KW x 8P	35.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C30 TON	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
C35 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C40 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C650 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C60 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C70 TON	33KW x 6P	58.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.0 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	

NOTE

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

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	200 M
4. RATED POWER	13 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	870 RPM
11. FULL LOAD CURRENT	59.0 A
12. STARTING CURRENT AT RATED VOLTAGE	344.5 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	82.0 %
15. POWER FACTOR AT 100% RATED LOAD	70.5 %
16. STARTING TORQUE	31.2 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6311zz OPL : 6311zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	200 M
4. RATED POWER	13 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	870 RPM
11. FULL LOAD CURRENT	34.2 A
12. STARTING CURRENT AT RATED VOLTAGE	199 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	82.0 %
15. POWER FACTOR AT 100% RATED LOAD	70.5 %
16. STARTING TORQUE	31.2 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6311zz OPL : 6311zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	200 M
4. RATED POWER	13 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	870 RPM
11. FULL LOAD CURRENT	29.5 A
12. STARTING CURRENT AT RATED VOLTAGE	173 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	82.0 %
15. POWER FACTOR AT 100% RATED LOAD	70.5 %
16. STARTING TORQUE	31.2 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6311zz OPL : 6311zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	200 M
4. RATED POWER	13 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	870 RPM
11. FULL LOAD CURRENT	28.4 A
12. STARTING CURRENT AT RATED VOLTAGE	164.8 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	82.0 %
15. POWER FACTOR AT 100% RATED LOAD	70.5 %
16. STARTING TORQUE	31.2 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6311zz OPL : 6311zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	200 M
4. RATED POWER	13 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	870 RPM
11. FULL LOAD CURRENT	27.2 A
12. STARTING CURRENT AT RATED VOLTAGE	158.0 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	82.0 %
15. POWER FACTOR AT 100% RATED LOAD	70.5 %
16. STARTING TORQUE	31.2 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6311zz OPL : 6311zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	11.0 A
12. STARTING CURRENT AT RATED VOLTAGE	55.0 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60.0 %
16. STARTING TORQUE	6.93 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	6.4 A
12. STARTING CURRENT AT RATED VOLTAGE	31.9 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60.0 %
16. STARTING TORQUE	6.93 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	5.5 A
12. STARTING CURRENT AT RATED VOLTAGE	27.5 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60.0 %
16. STARTING TORQUE	6.93 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	5.3 A
12. STARTING CURRENT AT RATED VOLTAGE	26.3 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60.0 %
16. STARTING TORQUE	6.93 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	5.1 A
12. STARTING CURRENT AT RATED VOLTAGE	25.3 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60.0 %
16. STARTING TORQUE	6.93 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	7.3 A
12. STARTING CURRENT AT RATED VOLTAGE	42.0 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	73.0 %
15. POWER FACTOR AT 100% RATED LOAD	75.0 %
16. STARTING TORQUE	1.72 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	4.2 A
12. STARTING CURRENT AT RATED VOLTAGE	24.2 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	73.0 %
15. POWER FACTOR AT 100% RATED LOAD	75.0 %
16. STARTING TORQUE	1.72 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	3.7A
12. STARTING CURRENT AT RATED VOLTAGE	21.0 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	73.0 %
15. POWER FACTOR AT 100% RATED LOAD	75.0 %
16. STARTING TORQUE	1.72 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	3.5A
12. STARTING CURRENT AT RATED VOLTAGE	20.8 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	73.0 %
15. POWER FACTOR AT 100% RATED LOAD	75.0 %
16. STARTING TORQUE	1.72 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1710 RPM
11. FULL LOAD CURRENT	3.4A
12. STARTING CURRENT AT RATED VOLTAGE	20.0 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	73.0 %
15. POWER FACTOR AT 100% RATED LOAD	75.0 %
16. STARTING TORQUE	1.72 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	80 S
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	6.7 A
12. LOCKED ROTOR CURRENT	23.8 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62.0 %
16. STARTING TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6207zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	80 S
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.85 A
12. LOCKED ROTOR CURRENT	13.78 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62.0 %
16. STARTING TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6207zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	80 S
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.33 A
12. LOCKED ROTOR CURRENT	11.9 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62.0 %
16. STARTING TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6207zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	80 S
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.2 A
12. LOCKED ROTOR CURRENT	11.37 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62.0 %
16. STARTING TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6207zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동 호이스트 (주)
3. FRAME NUMBER	80 S
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1140 RPM
11. FULL LOAD CURRENT	3.05 A
12. LOCKED ROTOR CURRENT	10.9 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62.0 %
16. STARTING TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6207zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	7.2/6.2 A
12. STARTING CURRENT AT RATED VOLTAGE	35.6/21.7 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	4.17/3.59 A
12. STARTING CURRENT AT RATED VOLTAGE	20.6/12.56 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	3.6/3.1 A
12. STARTING CURRENT AT RATED VOLTAGE	17.8/10.85 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	3.44/2.96 A
12. STARTING CURRENT AT RATED VOLTAGE	1670/815 RPM
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	3.5/3.0 A
12. STARTING CURRENT AT RATED VOLTAGE	17.5/10.76 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	7.1/7.5 A
12. STARTING CURRENT AT RATED VOLTAGE	28.3/22.5 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	4.1/4.3 A
12. STARTING CURRENT AT RATED VOLTAGE	16.4/13.0 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.5/3.7 A
12. STARTING CURRENT AT RATED VOLTAGE	14.2/12.3 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.4/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	13.5/10.8 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATA SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.2/3.4 A
12. STARTING CURRENT AT RATED VOLTAGE	13.0/10.3 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E



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CERT NO. 201304WRW45800

DATE Feb. 20, 2015

MILL TEST CERTIFICATE

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

OF KSD 3514 - 2002 (B Grade)

TO MESSRS

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 X 29 (FI) + IWRC 2000 M X 5 REEL

EX NO. 1W6288

ORDER NO. REEL NO. 1 ~ 5 SAMPLING NO. 1

DIAMETER OF ROPE 18.000 mm TYPE OF CORE IWRC

SPECIFIED BREAKING LOAD 219.00 kN SAMPLE BROKE AT 231.69 kN

WT. OF ZINC COATING OF OUTER WIRE MIN. 0.000 g/m²

ROPE LAY RHRL LAY LENGTH 113.72 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
M29703	75	16	76	15	10

DATE OF SAMPLE TEST Apr. 23, 2013

S. H. Ham

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



KS



JIS



ABS



KR



NK



G.Lloyd's



DNV



LR



BV