심사결과 통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호	134-81-013350
	사업자등록번호	134-81-01335	대표자 성명	최성찬
	소재지	(15423) 경기도 안산시 단원구 해봉로 119 (성곡동 630-2)		

안전인증대상 기계·기구명	호이스트[동일형식 인정 - "별첨 참조"]		
형 식 (규 격)	KD3-M	용 량 (등 급)	3.0 Ton

산업안전보건법 제 84조 및 같은 법 시행규칙 제110조에 따라 실시한

] 예비심사
V] 서면심사
] 기술능력 및 생산체계 심사
] 개별 제품심사
] 개별 제품심사(제작중)
] 형식별 제품심사

결과가 [V] **적 합** / [ ] **부적합** **함을 통지합니다.**

2023년 05월 11일

인증심사원 **이남진 박준교 김예훈** (서명 또는 인)

한국산업안전보건공단 이사장

제2023 - 2253322 호

안 전 인 증 서

(사업장명) 극동호이스트(주)

(소 재 지) (15423)경기도 안산시 단원구 해봉로 119 (성곡동 630-2)

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

KD3-M (3.0Ton) / 23-AH2AC-00025

인 증 기 준

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

인 증 조 건

(15423)경기도 안산시 단원구 해봉로 119 (성곡동 630-2)에서 생산된 동일 형식 제품에 한함

2023년 05월 22일

한국산업안전보건공단 이사장

서 면 심 사 서 류

형식 번호 : KD3-M

극 동 호 이 스 트 ㈜

주소 : 경기도 안산시 단원구 해봉로 119 (성곡동)

TEL : 031) 491 - 5311

FAX : 031) 363 - 3952

동 일 형 식 일 람 표

사업장명	극동호이스트㈜	개정일자 및 번호		인증번호	
형식 및 모델		동일 형식 인정범위 및 내역			비 고
형식	모델	권상속도(m/min)	횡행속도(m/min)	양정(m)	횡행방식	
KD3-M	KD3-L6-M	고속 : 9 m/min 저속 : 4.5 m/min	고속 : 24 m/min (INVERTER : 2~24 m/min) 저속 : 16 m/min (INVERTER : 2~16 m/min)	6	모터 구동식	횡행 인버터 포함
	KD3-L9-M			9		
	KD3-L12-M			12		
	KD3-L18-M			18		
	KD3-L24-M			24		
	KD3-L30-M			30		
	KD3-L36-M			36		
	KD3-L18-M-H			18		
	KD3-L24-M-H			24		
	KD3-L30-M-H			30		
	KD3-L36-M-H			36		

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

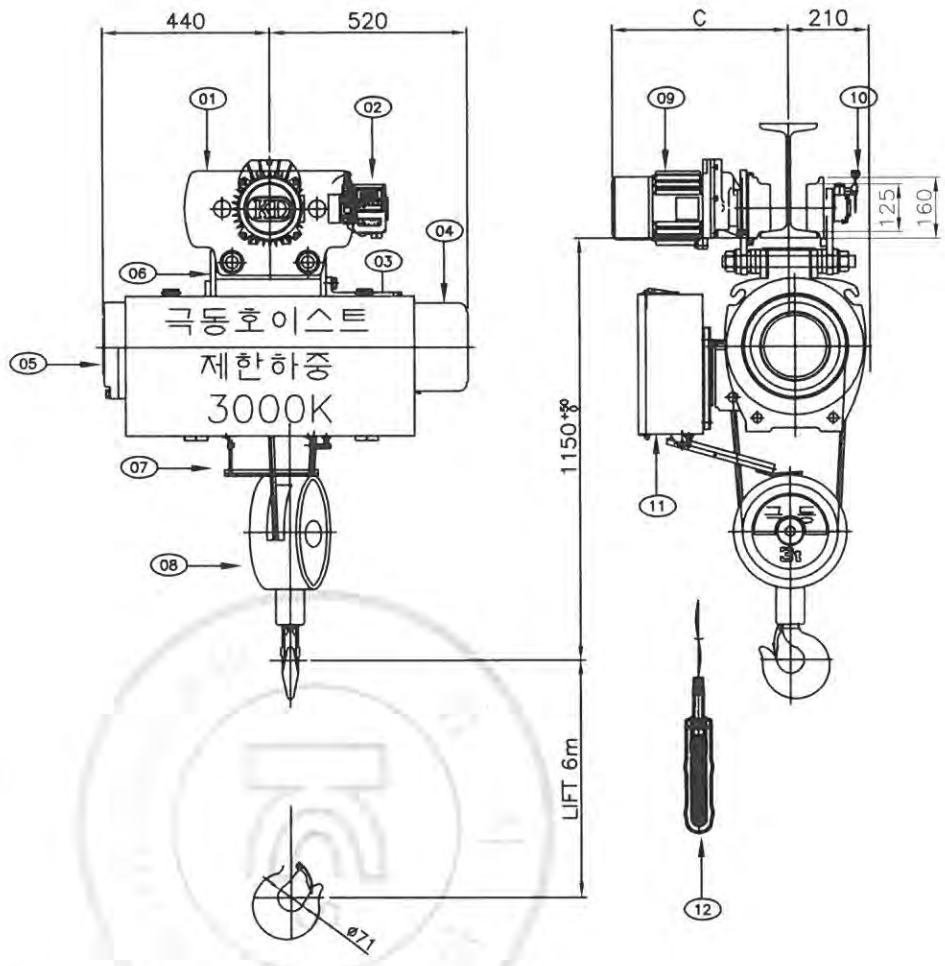
아래 주소에서 생산되는 제품에 한함.

정호엔지니어링, 경기도 광명시 노동사동 440-5

2012년 06월 11일

한국산업안전보건공단 이사장

형식번호	KD3-M
모 델 명	KD3-L6-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L6-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			6 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			374 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H Han	-	-

PROJECT

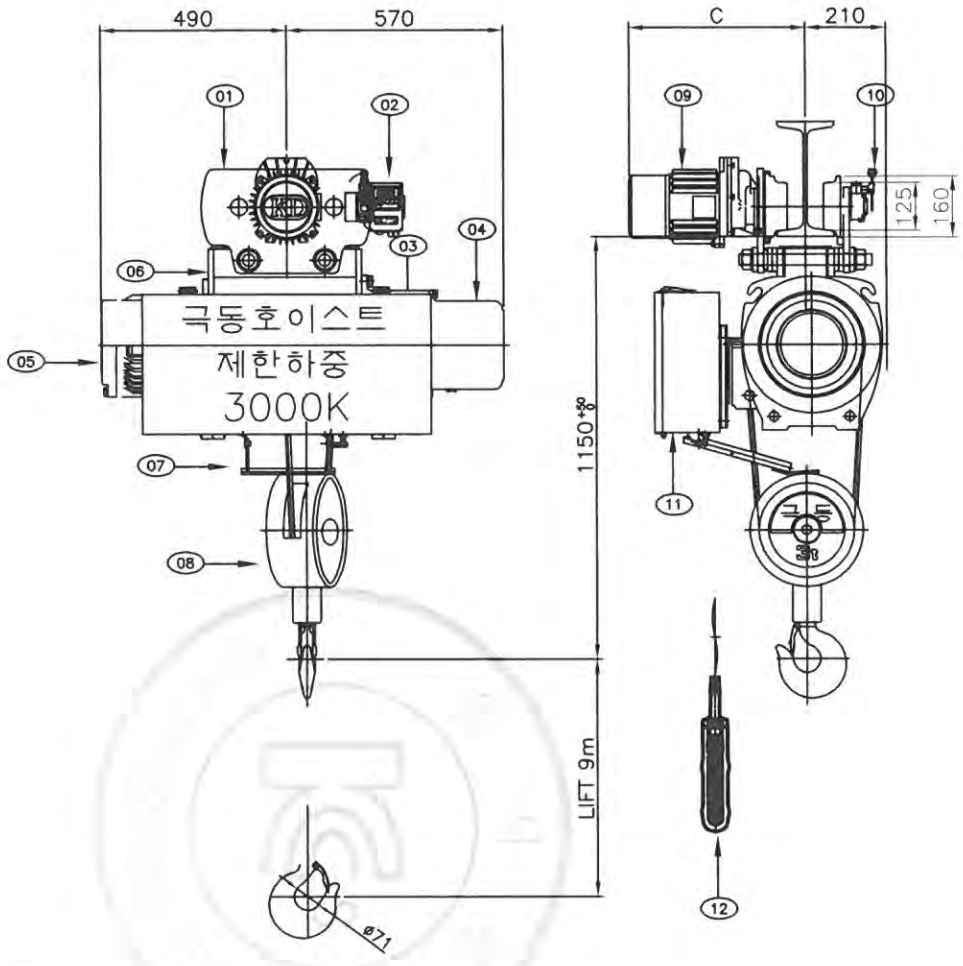
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L6-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L9-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L9-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			9 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			410 KG

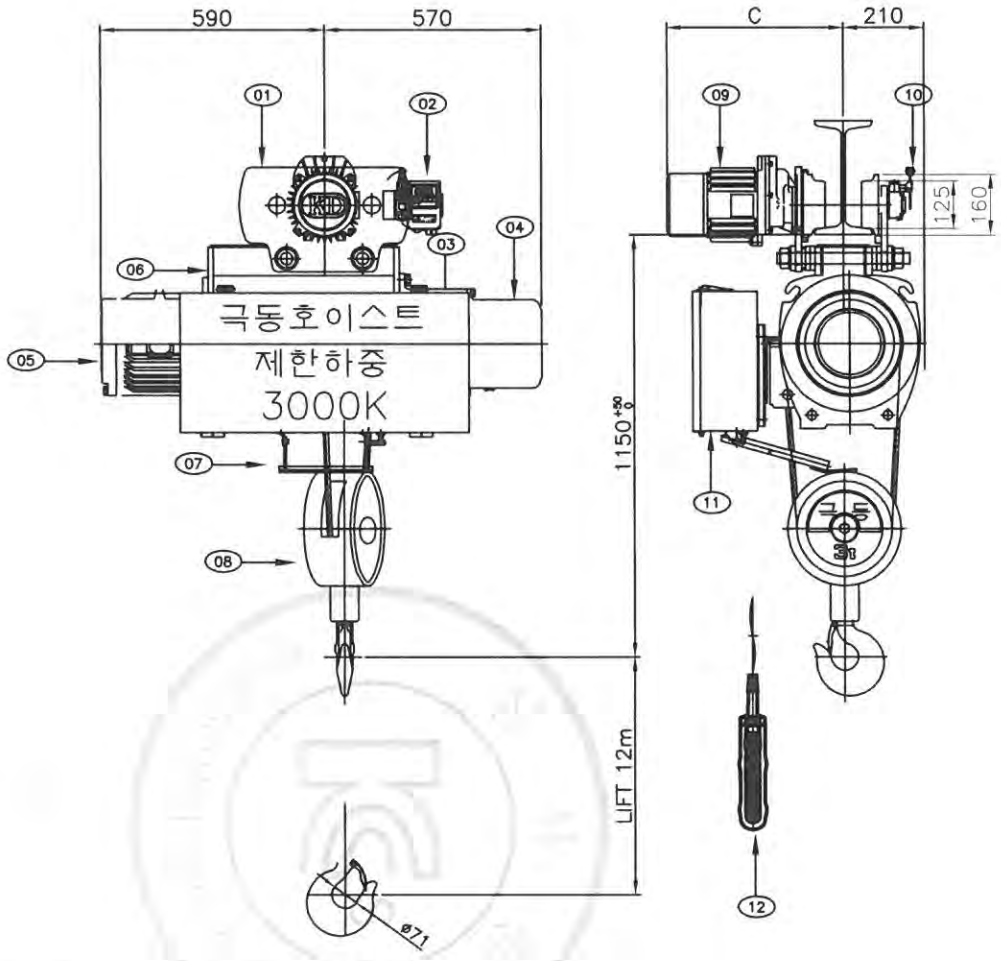
I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT	
CLIENT	
MANUFACTURER	극동호이스트 주식회사 KUKDONG HOIST CO., LTD.
TITLE	ASSEMBLY DRAWING KD3-L9-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L12-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L12-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			12 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			418 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

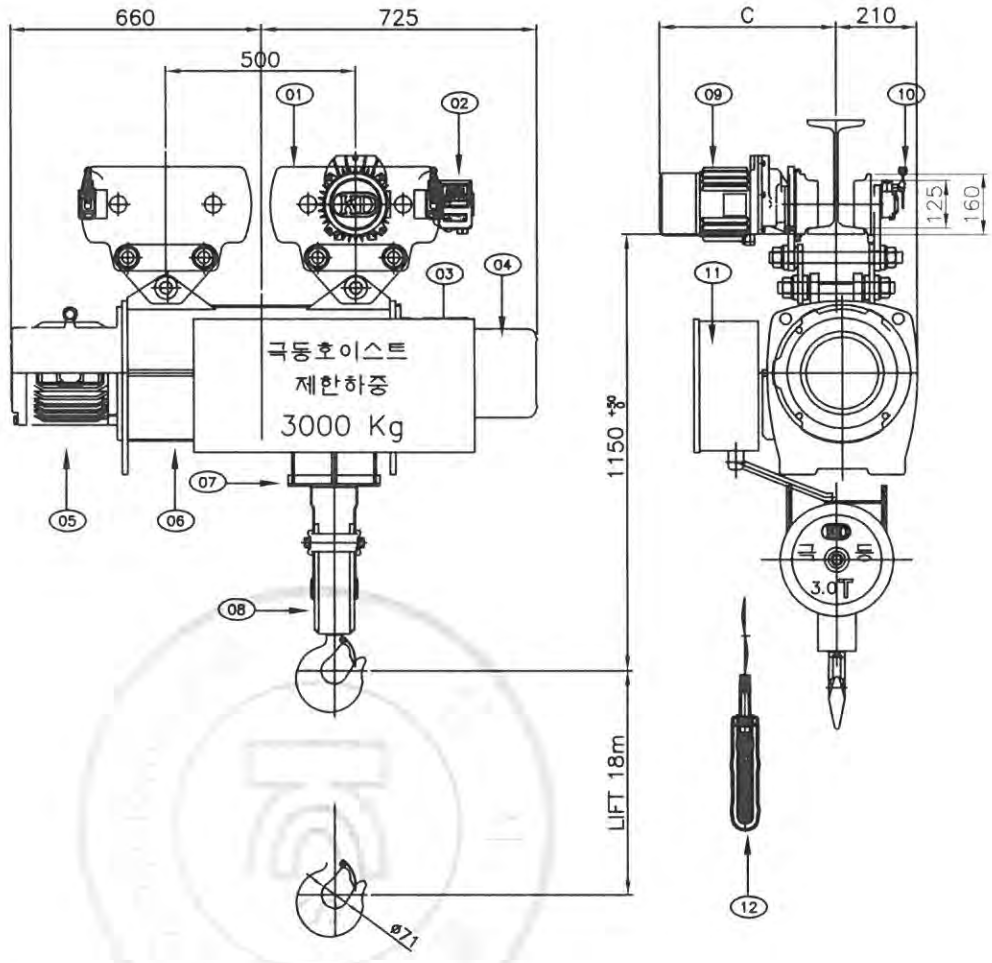
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING KD3-L12-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L18-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	–	1		
02	LOAD LIMITER	–	1		
03	REDUCTION GEAR	–	1		
04	BRAKE	–	1		
05	HOISTING MOTOR	–	1		
06	MAIN BODY ASSY	–	1		
07	UPPER LIMIT ASSY	–	1		
08	LOAD BLOCK ASSY	–	1		
09	T/S MOTOR	–	2		
10	T/S LIMIT SWITCH	–	2		
11	CONTROL BOX	–	1		
12	PENDANT SWITCH	–	1		

MODEL			KD3-L18-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			18 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			520 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

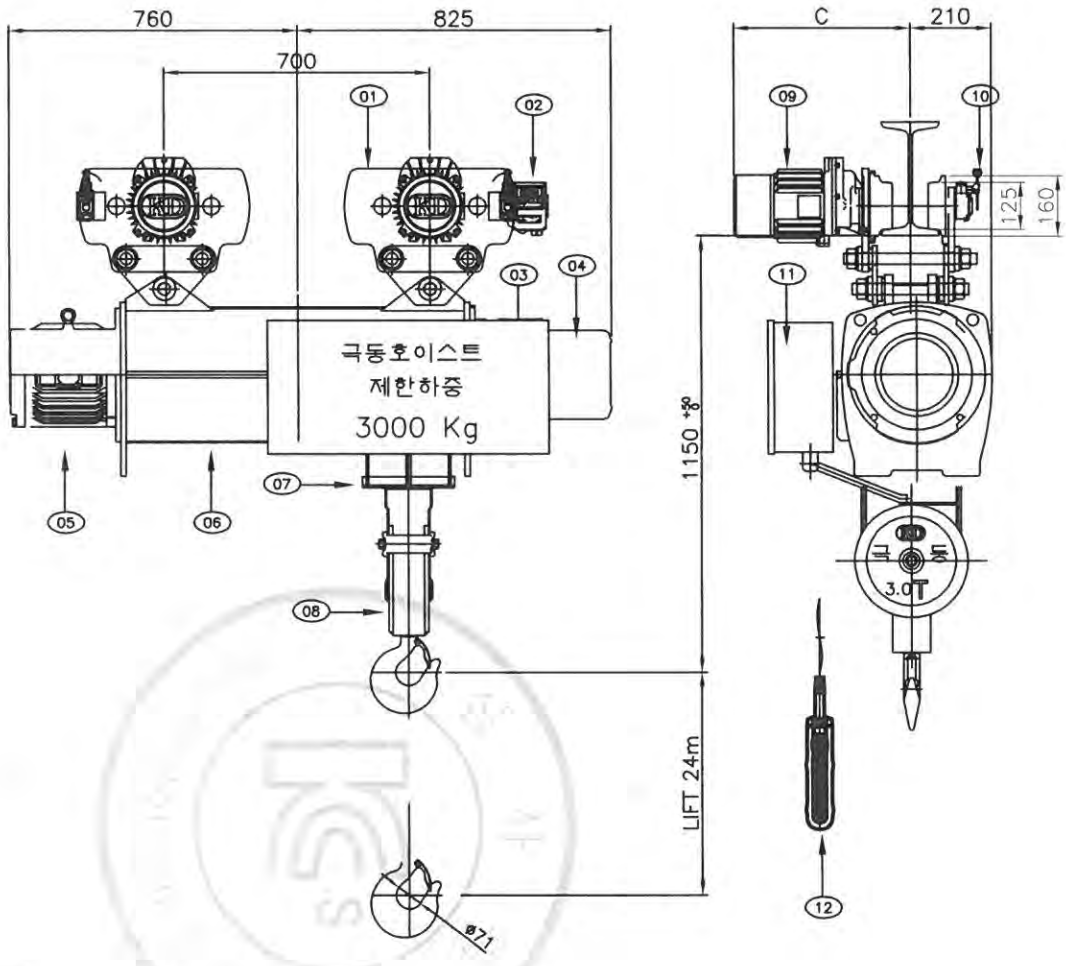
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING KD3-L18-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L24-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL		KD3-L24-M	
RATED LOAD		3000 KG	
TESTING LOAD		3750 KG	
LIFT		24 M	
RATING		30 MIN	
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE		(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls	
POWER SOURCES		AC3ø 220/380/440/ 460/480V 60Hz	
CONTROL VOLTAGE		AC1ø 110(120)V 60Hz	
BEAM WIDTH		100,125,150	
CONTROL METHOD		PENDANT SWITCH & WIRELESS REMOTE CONTROLLER	
COLOR		10 B 3/5	
WEIGHT		570 KG	

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

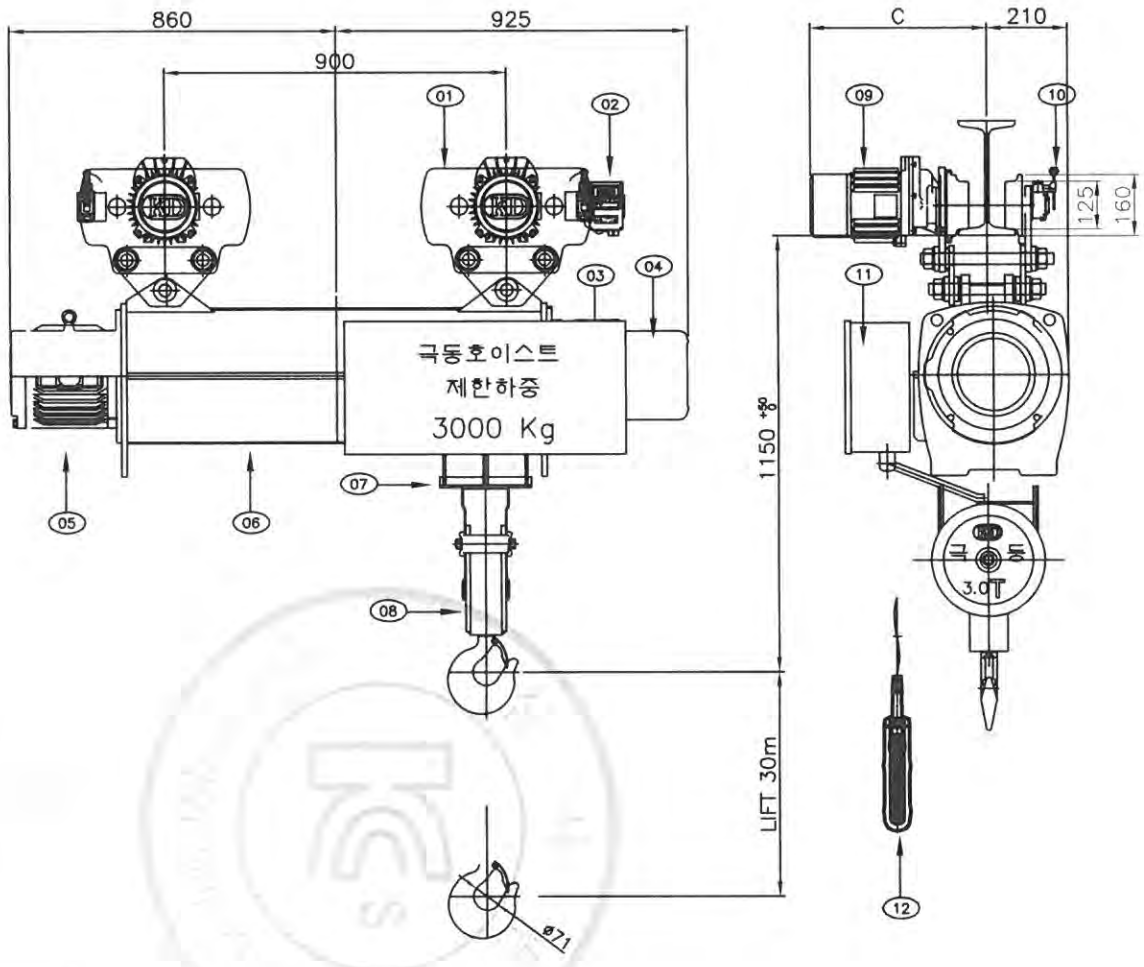
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L24-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L30-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	–	1		
02	LOAD LIMITER	–	1		
03	REDUCTION GEAR	–	1		
04	BRAKE	–	1		
05	HOISTING MOTOR	–	1		
06	MAIN BODY ASSY	–	1		
07	UPPER LIMIT ASSY	–	1		
08	LOAD BLOCK ASSY	–	1		
09	T/S MOTOR	–	2		
10	T/S LIMIT SWITCH	–	2		
11	CONTROL BOX	–	1		
12	PENDANT SWITCH	–	1		

MODEL			KD3-L30-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			30 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			620 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

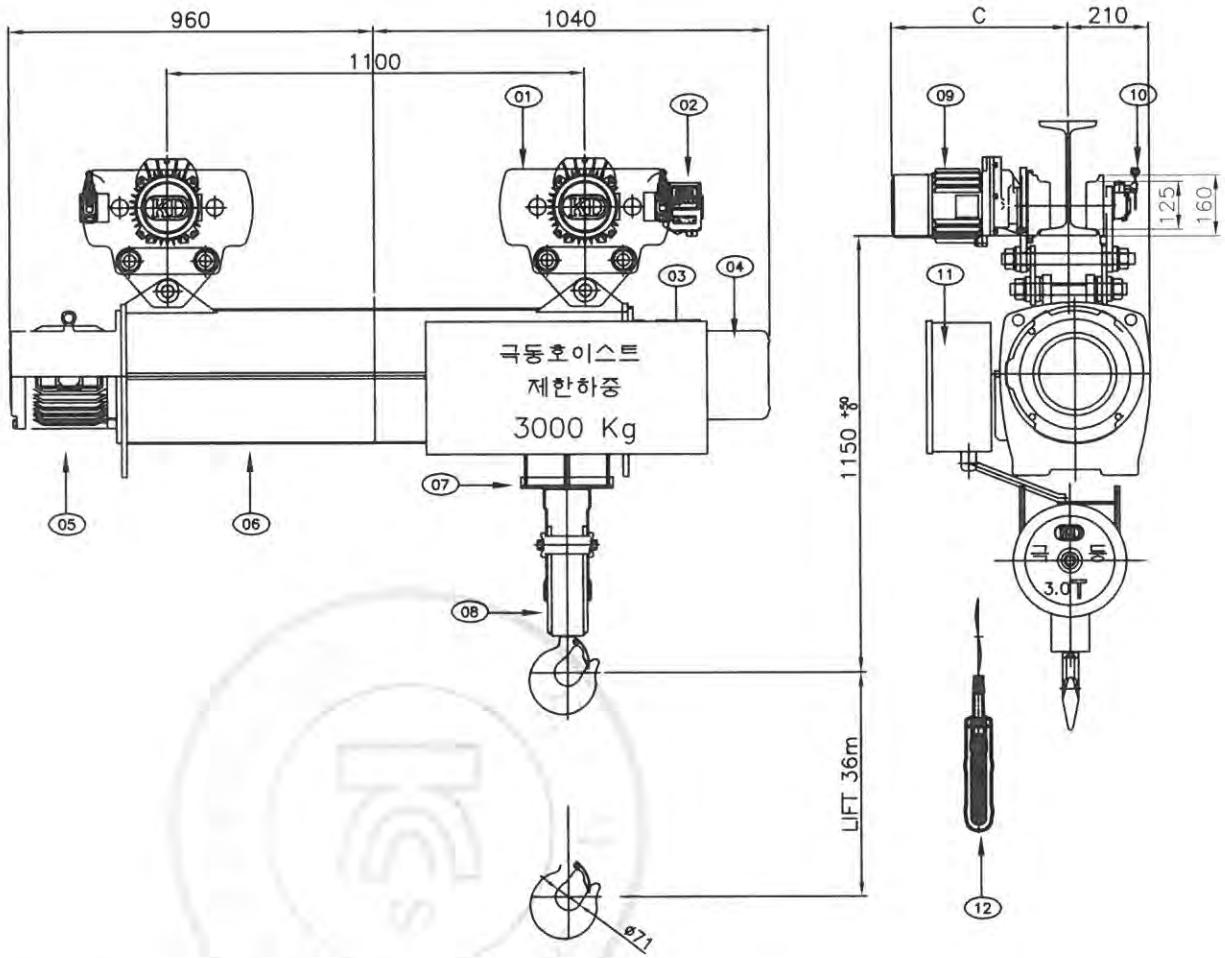
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L30-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L36-M



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L36-M
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			36 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			700 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

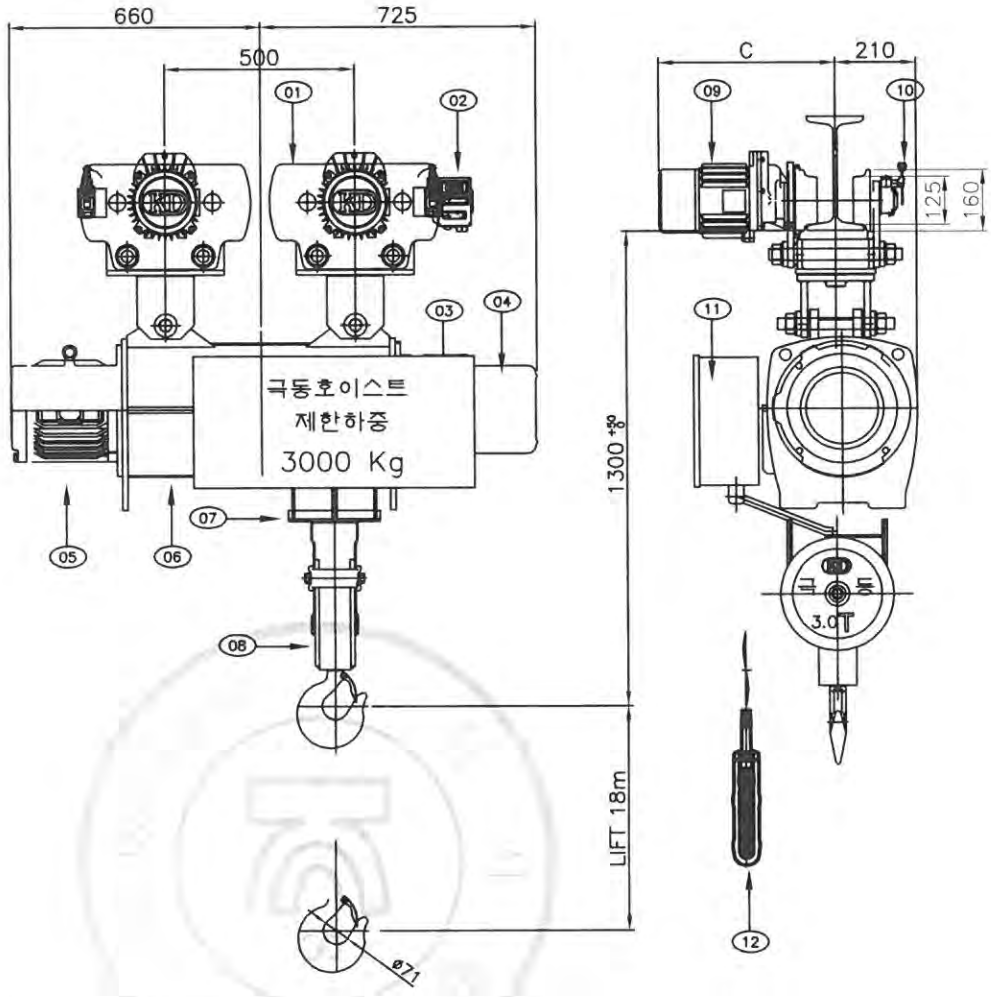
CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L36-M

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L18-M-H



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	–	1		
02	LOAD LIMITER	–	1		
03	REDUCTION GEAR	–	1		
04	BRAKE	–	1		
05	HOISTING MOTOR	–	1		
06	MAIN BODY ASSY	–	1		
07	UPPER LIMIT ASSY	–	1		
08	LOAD BLOCK ASSY	–	1		
09	T/S MOTOR	–	2		
10	T/S LIMIT SWITCH	–	2		
11	CONTROL BOX	–	1		
12	PENDANT SWITCH	–	1		

MODEL		KD3-L18-M-H	
RATED LOAD		3000 KG	
TESTING LOAD		3750 KG	
LIFT		18 M	
RATING		30 MIN	
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE		(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls	
POWER SOURCES		AC3ø 220/380/440/ 460/480V 60Hz	
CONTROL VOLTAGE		AC1ø 110(120)V 60Hz	
BEAM WIDTH		100,125,150	
CONTROL METHOD		PENDANT SWITCH & WIRELESS REMOTE CONTROLLER	
COLOR		10 B 3/5	
WEIGHT		530 KG	

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

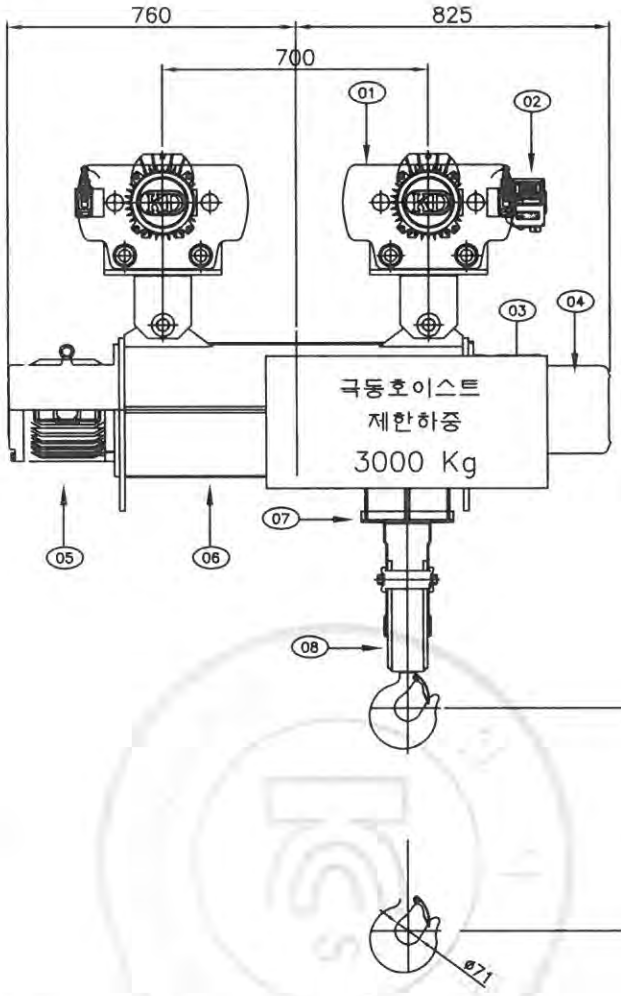
CLIENT

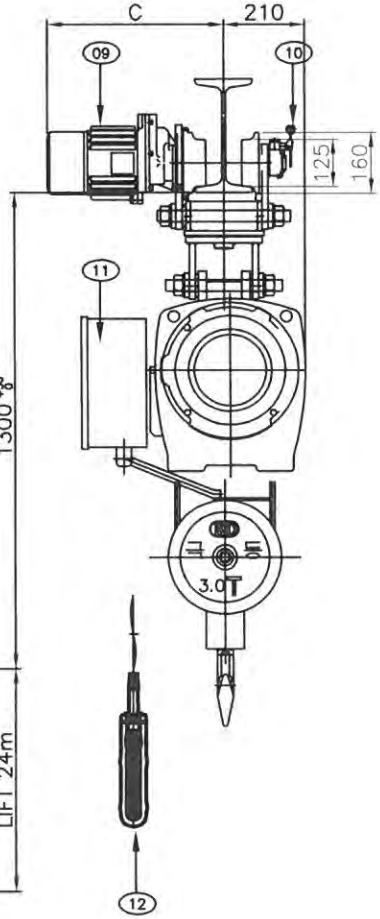
MANUFACTURER: KD 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L18-M-H

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

형식번호	KD3-M
모 델 명	KD3-L24-M-H





No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L24-M-H
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			24 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			580 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

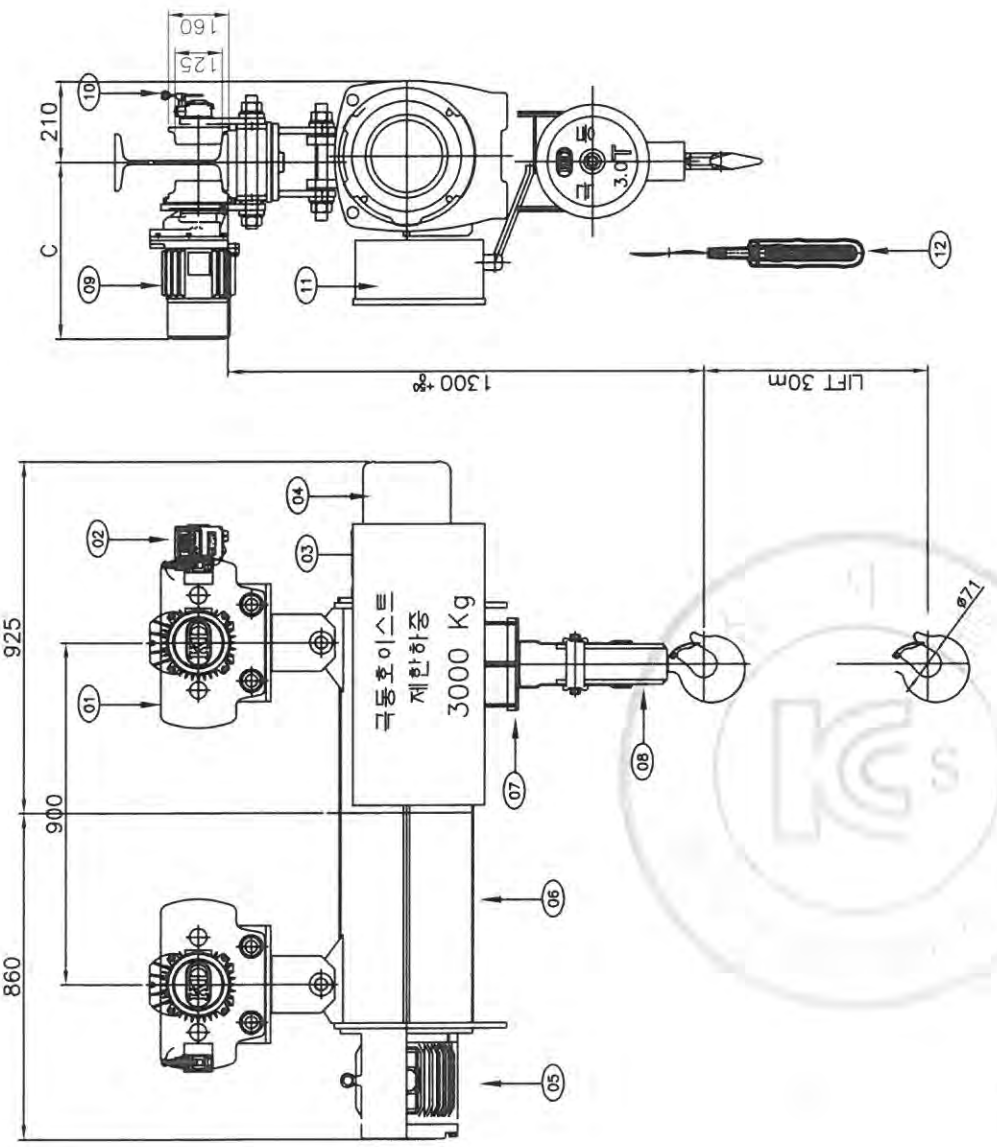
TITLE: ASSEMBLY DRAWING
KD3-L24-M-H

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

No	DESCRIPTION	MATERIAL	QTY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL	KD3-L30-M-H		
RATED LOAD	3000 KG		
TESTING LOAD	3750 KG		
LIFT	30 M		
RATING	30 MIN		
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			630 KG

I-BEAM WIDTH	C
100	439
125	452
150	464



REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
1	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

CLIENT

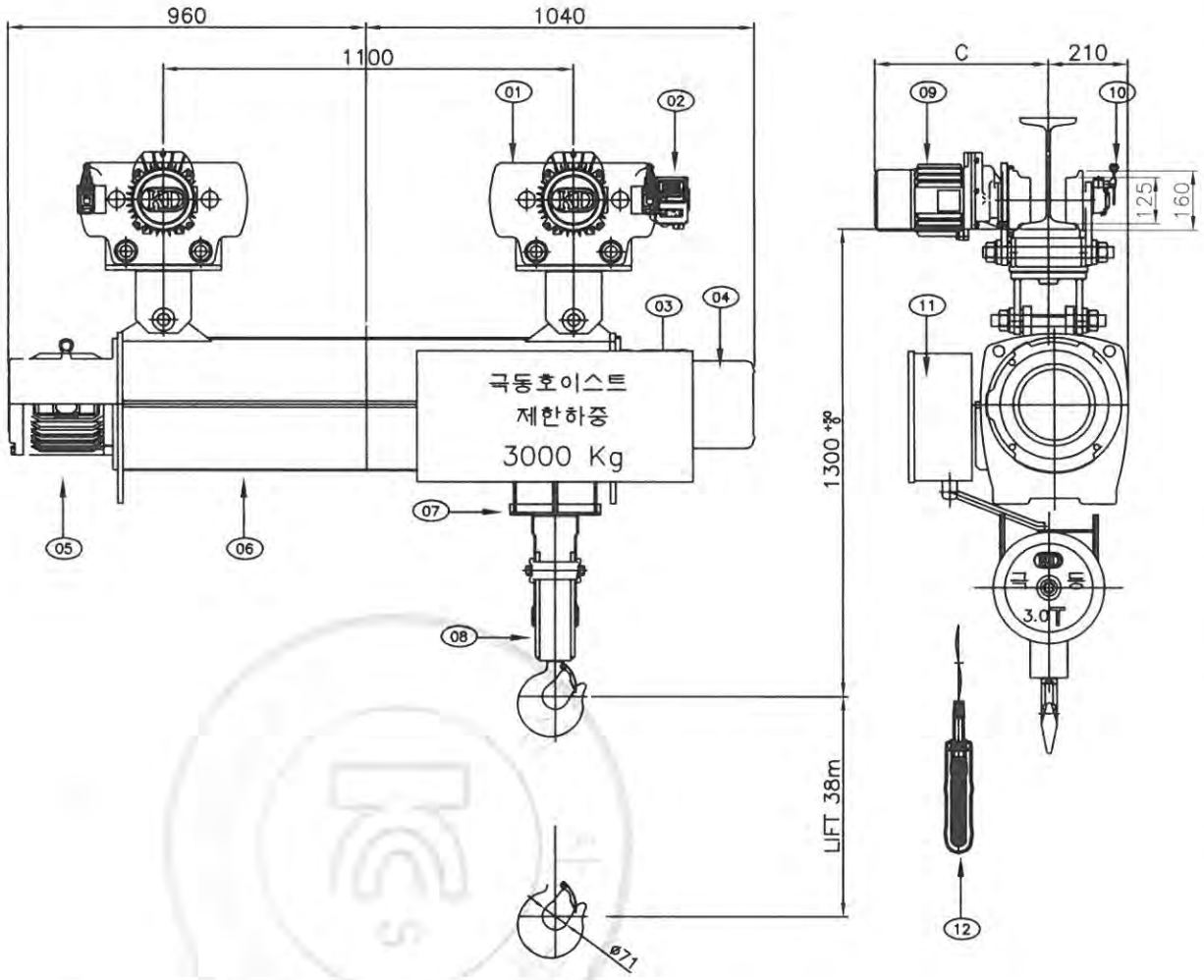
MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING KD3-L30-M-H

SCALE: N/S | DWG. NO. | SHT. NO. | REV.

형식번호	KD3-M
모 델 명	KD3-L30-M-H

형식번호	KD3-M
모 델 명	KD3-L36-M-H



No	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
01	TROLLEY	-	1		
02	LOAD LIMITER	-	1		
03	REDUCTION GEAR	-	1		
04	BRAKE	-	1		
05	HOISTING MOTOR	-	1		
06	MAIN BODY ASSY	-	1		
07	UPPER LIMIT ASSY	-	1		
08	LOAD BLOCK ASSY	-	1		
09	T/S MOTOR	-	2		
10	T/S LIMIT SWITCH	-	2		
11	CONTROL BOX	-	1		
12	PENDANT SWITCH	-	1		

MODEL			KD3-L36-M-H
RATED LOAD			3000 KG
TESTING LOAD			3750 KG
LIFT			36 M
RATING			30 MIN
HOISTING	HIGH	SPEED	9 m/min
		MOTOR	5.5 KW x 4P
	LOW	SPEED	4.5 m/min
		MOTOR	2.8 KW x 8P
	BRAKE		D.C MAGNET DISC BRAKE
TRAVERSING	HIGH	SPEED	24 m/min (inverter : 2~24 m/min)
		MOTOR	2 x 0.75 KW x 4P
	LOW	SPEED	16 m/min (inverter : 2~16 m/min)
		MOTOR	2 x 0.5 KW x 6P
	BRAKE		D.C MAGNET DISC BRAKE
WIRE ROPE			(6x36) ø12.5 x 2falls (19x7) ø12.5 x 2falls
POWER SOURCES			AC3ø 220/380/440/ 460/480V 60Hz
CONTROL VOLTAGE			AC1ø 110(120)V 60Hz
BEAM WIDTH			100,125,150
CONTROL METHOD			PENDANT SWITCH & WIRELESS REMOTE CONTROLLER
COLOR			10 B 3/5
WEIGHT			710 KG

I-BEAM WIDTH	C
100	439
125	452
150	464

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	12.OCT.2021	REDRAWING	K.H.Han	-	-

PROJECT

CLIENT

MANUFACTURER: 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

TITLE: ASSEMBLY DRAWING
KD3-L36-M-H

SCALE	DWG. NO.	SHT. NO.	REV.
N/S			

ELECTRICAL SPECIFICATION

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

OBJECT		MOTOR OUTPUT	220V		380V		440V	460V	480V	440,460,480V	BRAKE	REMARK
			STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
HOIST	HIGH	5.5KW x 4P	22.80 A	6.0 sq	13.20 A	4.0 sq	11.4 A	10.9 A	10.5 A	4.0 sq	DC MAG. BRAKE	
	LOW	2.5KW x 8P	17.70 A	6.0 sq	10.20 A	4.0 sq	8.9 A	8.5 A	8.1 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	0.75KW x 4P	4.10 A	2.5 sq	2.40 A	2.5 sq	2.00 A	2.00 A	1.90 A	2.5 sq	DC MAG. BRAKE	1 DRIVE
	LOW	0.5KW x 6P	3.40 A	2.5 sq	2.00 A	2.5 sq	1.70 A	1.70 A	1.60 A	2.5 sq	DC MAG. BRAKE	1 DRIVE
CONTROL CIRCUIT			1 A	2.5 sq	1 A	2.5 sq	1 A	1 A	1 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT												
SUB TOTAL			27.90 A	10.0 sq	16.60 A	6.0 sq	14.40 A	13.90 A	13.40 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	

*. 위 계산은 LIFT 6M, 9M, 12M, 18M 에 적용. (T/S MOTOR 1 UNIT)

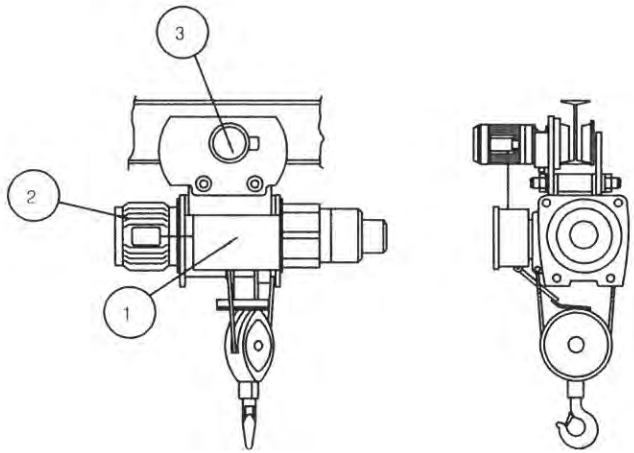
ELECTRICAL SPECIFICATION

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

OBJECT		MOTOR OUTPUT	220V		380V		440V	460V	480V	440,460,480V	BRAKE	REMARK
			STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
HOIST	HIGH	5.5KW x 4P	22.80 A	6.0 sq	13.20 A	4.0 sq	11.4 A	10.9 A	10.5 A	4.0 sq	DC MAG. BRAKE	
	LOW	2.5KW x 8P	17.70 A	6.0 sq	10.20 A	4.0 sq	8.9 A	8.5 A	8.1 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	0.75KW x 4P	4.10 A	2.5 sq	2.40 A	2.5 sq	2.00 A	2.00 A	1.90 A	2.5 sq	DC MAG. BRAKE	2 DRIVE
	LOW	0.5KW x 6P	3.40 A	2.5 sq	2.00 A	2.5 sq	1.70 A	1.70 A	1.60 A	2.5 sq	DC MAG. BRAKE	2 DRIVE
CONTROL CIRCUIT			1 A	2.5 sq	1 A	2.5 sq	1 A	1 A	1 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT												
SUB TOTAL			32.00 A	10.0 sq	19.00 A	6.0 sq	16.40 A	15.90 A	15.30 A	4.0 sq	I(A)=M/H + T/S + ASS'Y	

*. 위 계산은 LIFT 18M, 24M, 30M, 36M 에 적용. (T/S MOTOR 2UNIT)

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz



(1)

KD	ELECTRIC WIRE ROPE HOIST	
MODEL		RATING min
CAPACITY Kg		LIFT m
HOIST SPEED m/min		POWER SOURCE V Hz
HOIST MOTOR Kw P		AMP.S R&T HOIST A
TRAV.SPEED m/min		AMP.S R&T TRAV. A
TRAV.MOTOR Kw P		WIRE ROPE Ø
WIDTH OF RAIL mm		WEIGET Kg
DATE		SERIAL

KUKDONG HOIST CO.,LTD

(2)

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

KUKDONG HOIST CO.,LTD

(3)

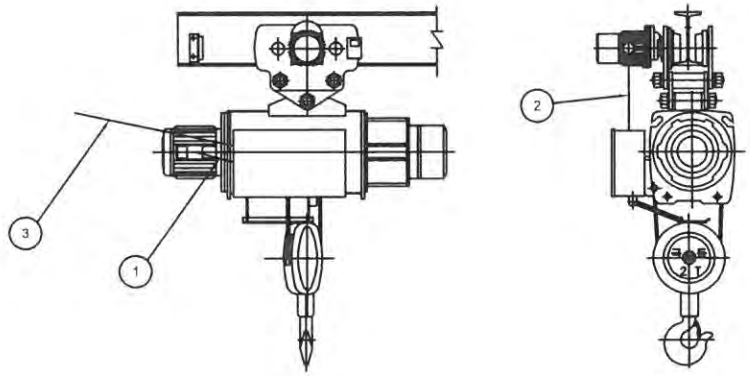
KD	3 PHASE INDUCTION MOTOR	
KW P		TYPE TENV
VOLTS V		RATING min
AMP.S A		AMP.TEMP 40℃
HEARTS		INS.CLASS F
R.P.M		BEARING
ROTOR C		BEARING
SERIAL.		DATE

KUKDONG HOIST CO.,LTD

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE	CUSTOMER	DESIGN	SCALE	SHT. NO.	ORDER NO.
NAME PLATE KD3-M	KD 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.				
		DWG. NO. KD3E601			

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 6,9,12,18M)



-NOTE-

접지

1. 전기장치 외함접지는 접지단자를 이용하여 설치해야 하며
   1) 400볼트 미만일 때 100오옴 이하일 것
   2) 400볼트 이상일 때 10오옴 이하일 것
2. 접지단자에는 다음중 하나의 방법으로 표기
   1) 기호로 표현하는 경우: ⏚
   2) 문자로 표기하는 경우:PE
   3) 녹색 또는 녹색 및 황색 조합 접지선

등전위접지

1. 전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되아 하며 적절한 접지연속성 기능이 유지되아함.
2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

NO	CABLE					REMARK
	TYPE	SIZE				
		220V	380V	TYPE	440V,460V,480V	
1	VCT	6.0sq	4.0sq	VCT	4.0sq	HOISTING MOTOR WITH EARTH
2	VCT	2.5sq	2.5sq	VCT	2.5sq	T/S MOTOR WITH EARTH
3	VCTF	10sq	6.0sq	VCTF	4.0sq	MAIN POWER WITH EARTH

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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: GROUND WIRE SYSTEM 2
KD3-M

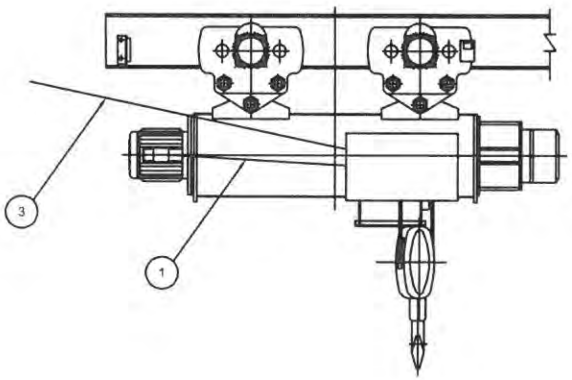
CUSTOMER

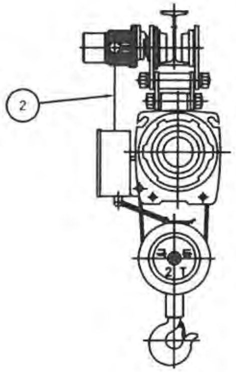
극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3-E001

• MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 18,24,30,36M)





-NOTE-

접지

1. 전기장치 외함접지는 접지단자를 이용하여 설치해야 하며
   1) 400볼트 미만일 때 100오옴 이하일 것
   2) 400볼트 이상일 때 10오옴 이하일 것
2. 접지단자에는 다음중 하나의 방법으로 표기
   1) 기호로 표현하는 경우: ⏚
   2) 문자로 표기하는 경우:PE
   3) 녹색 또는 녹색 및 황색 조합 접지선

등전위접지

1. 전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되야 하며 적절한 접지연속성 기능이 유지되야함.
2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

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

NO	CABLE					REMARK
	TYPE	SIZE				
		220V	380V	TYPE	440V,460V,480V	
1	VCT	6.0sq	4.0sq	VCT	4.0sq	HOISTING MOTOR WITH EARTH
2	VCT	2.5sq	2.5sq	VCT	2.5sq	T/S MOTOR WITH EARTH
3	VCTF	10sq	6.0sq	VCTF	4.0sq	MAIN POWER WITH EARTH

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: GROUND WIRE SYSTEM 2
KD3-M

CUSTOMER:

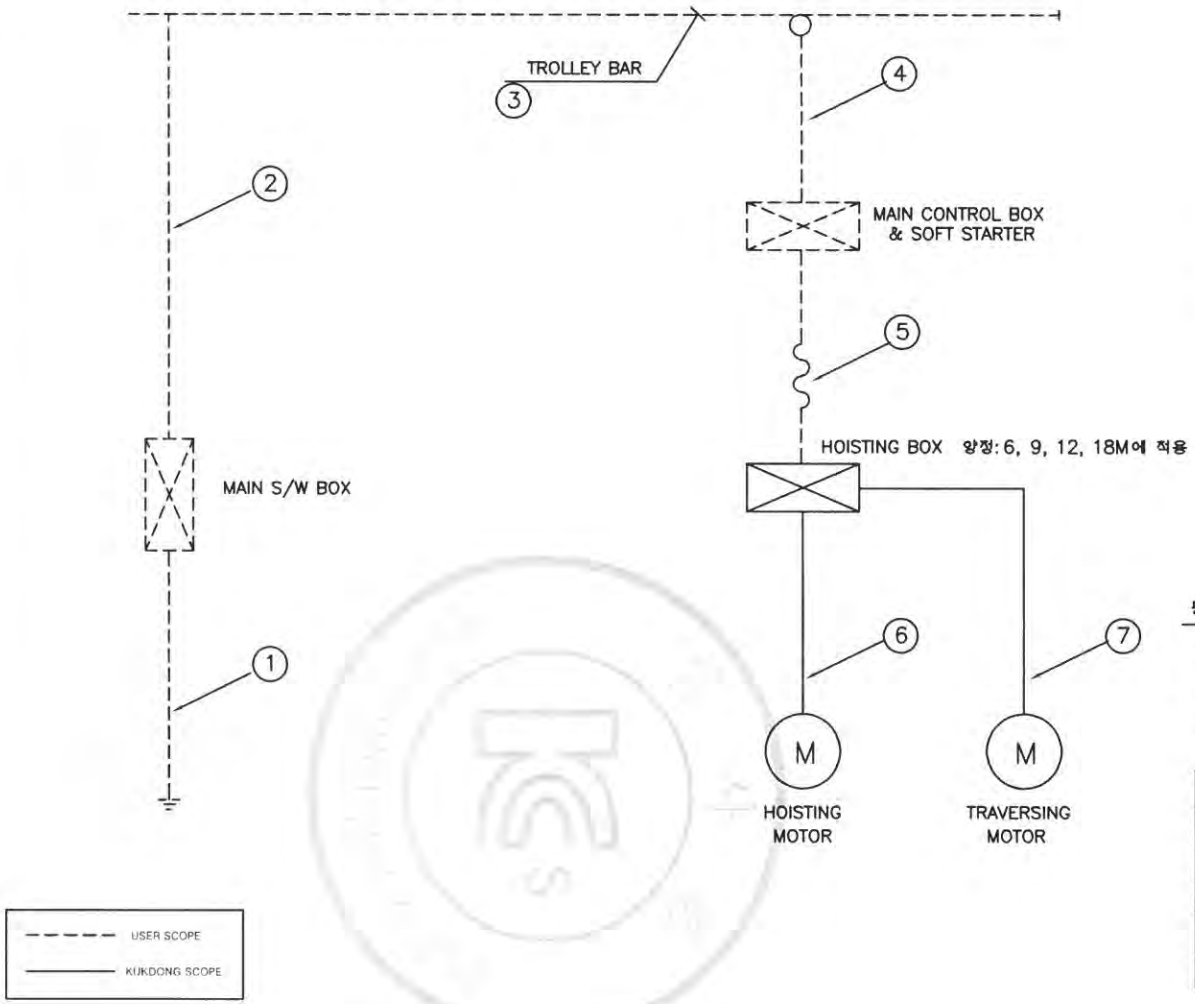
KD 극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3-E002

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 : VCTF 10SQ x 1C 380V : VCTF 6SQ x 1C 440,460,480V : VCTF 4SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 4.0SQ(220V : 6.0SQ) x 1C
7	TRAVERSING MOTOR WITH EARTH	VCT 2.5SQ x 1C

* *CV CABLE 4C중 1C는 EARTH로 사용함.*



-NOTE-

접지

1. 전기장치 외함접지는 접지단자를 이용하여 설치해야 하며
   1) 400볼트 미만일 때 100오옴 이하일 것
   2) 400볼트 이상일 때 10오옴 이하일 것
2. 접지단자에는 다음중 하나의 방법으로 표기
   1) 기호로 표현하는 경우: ⏚
   2) 문자로 표기하는 경우:PE
   3) 녹색 또는 녹색 및 황색 조합 접지선

등전위접지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.

2. 보호본딩회로에는 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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: EARTH DETAILS DRAWING
KD3-M

CUSTOMER

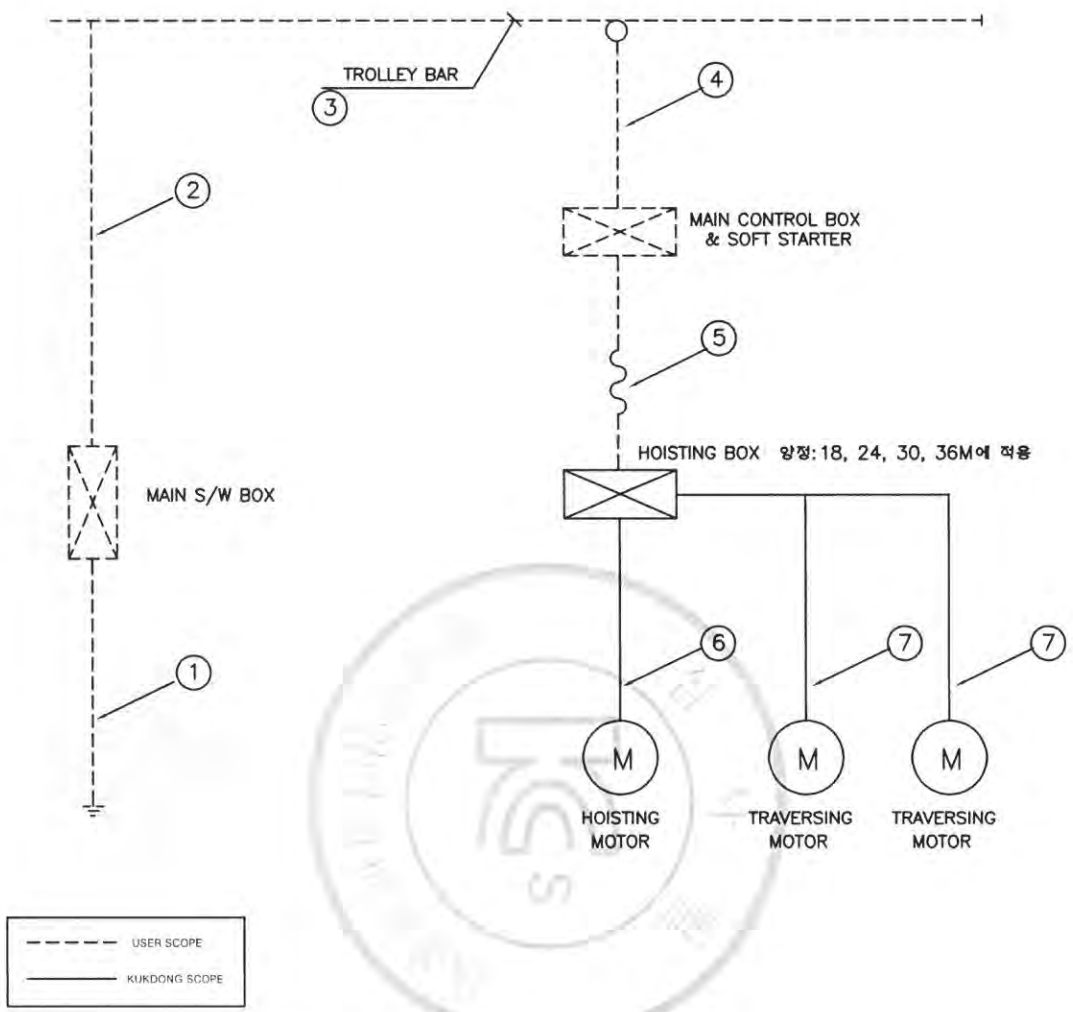
극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3-EC000

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 : VCTF 10SQ x 1C 380V : VCTF 6SQ x 1C 440,480,480V : VCTF 4SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 4.0SQ(220V : 6.0SQ) x 1C
7	TRAVERSING MOTOR WITH EARTH	VCT 2.5SQ x 1C

** CV CABLE 4C중 1C는 EARTH로 사용함.*



-NOTE-

접지

1. 전기장치 외함접지는 접지단자를 이용하여 설치해야 하며
   1) 400볼트 미만일 때 100오옴 이하일 것
   2) 400볼트 이상일 때 10오옴 이하일 것
2. 접지단자에는 다음중 하나의 방법으로 표기
   1) 기호로 표현하는 경우: ⏚
   2) 문자로 표기하는 경우:PE
   3) 녹색 또는 녹색 및 황색 조합 접지선

등전위접지

1.전기장비와 기계의 노출된 모든 도전부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야함.

2. 보호본딩회로에는 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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: EARTH DETAILS DRAWING
KD3-M

CUSTOMER

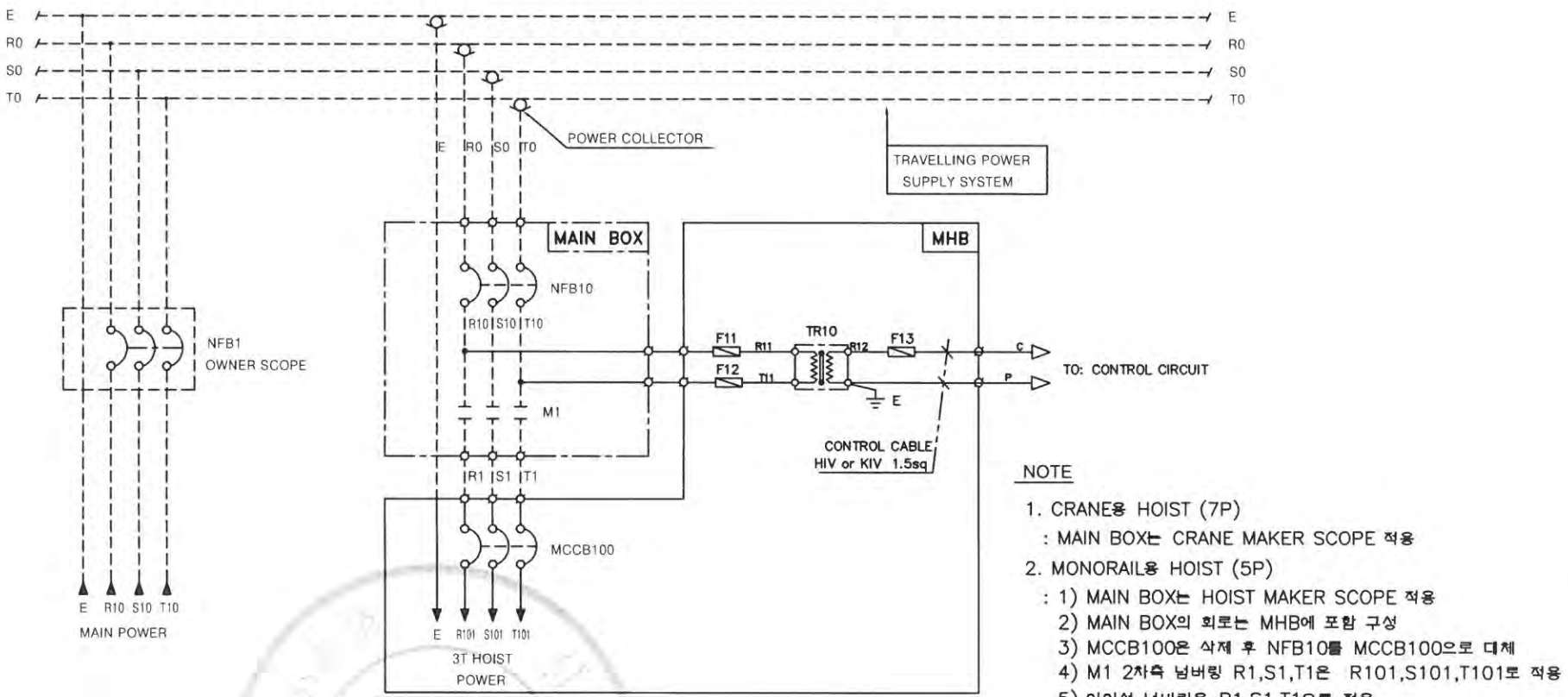
극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3-EC001

POWER CIRCUIT

TRAVELLING POWER SUPPLY SYSTEM



POWER SOURCE
AC 3ø 60Hz

VOLTAGE	F11 F12	F13	MCCB100	TR10
220V	2A	3A	50AF/50AT (저속 : 50AF/40AT)	220/110,120V 100VA
380V	1A	3A	30AF/30AT	380/110,120V 100VA
440V	1A	3A	30AF/30AT	440/110,120V 100VA
460V	1A	3A	30AF/30AT	460/110,120V 100VA
480V	1A	3A	30AF/30AT	480/110,120V 100VA

---- MARKED OWNER SCOPE

NOTE

1. CRANE용 HOIST (7P)
   : MAIN BOX는 CRANE MAKER SCOPE 적용
2. MONORAIL용 HOIST (5P)
   : 1) MAIN BOX는 HOIST MAKER SCOPE 적용
   2) MAIN BOX의 회로는 MHB에 포함 구성
   3) MCCB100은 삭제 후 NFB10를 MCCB100으로 대체
   4) M1 2차측 넘버링 R1,S1,T1은 R101,S101,T101로 적용
   5) 인입선 넘버링은 R1,S1,T1으로 적용
3. 전선의 색상은 다음과 같다.
   1) 흑색 : 교류 및 직류 전원선로
   2) 적색 : 교류제어회로
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
4. 제어용 전선 : 1.5mm KIV,HIV
5. 제작시 다소 변경 될수있음.
6. 외함 개방 후 충전되어있는 부분은 IP2X 이상의 직접접촉방호 적용

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	19.JAN.2023	REDRAWING	K.H.Han	-	-

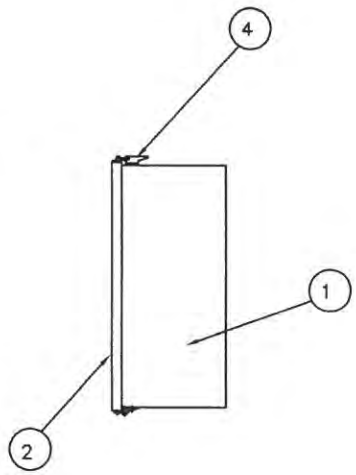
TITLE: MAIN POWER CIRCUIT DIAGRAM
KD3-M

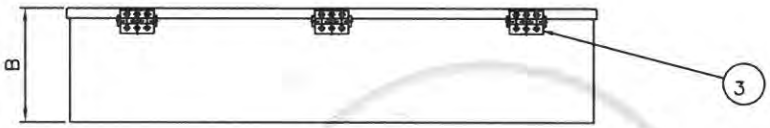
CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

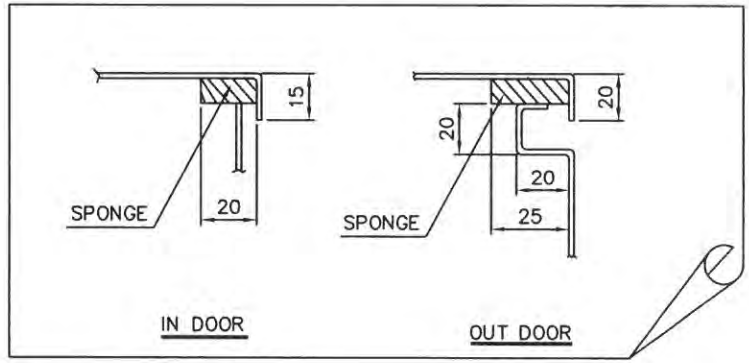
DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-E003





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'	



HOIST CAPACITY	DESCRIPTION	IN DOOR			OUT DOOR			REMARK
		A	B	L	A	B	L	
3 TON	NORMAL	350	170	740	350	170	740	
	T/S INVERTER	430	220	900	430	220	900	

N O T E

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 개방 구조는 다음과 같다.

1) 외함 개방시 충전 부분이 차단되도록 한다.

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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: HOISTING CONTROL BOX LAY-OUT

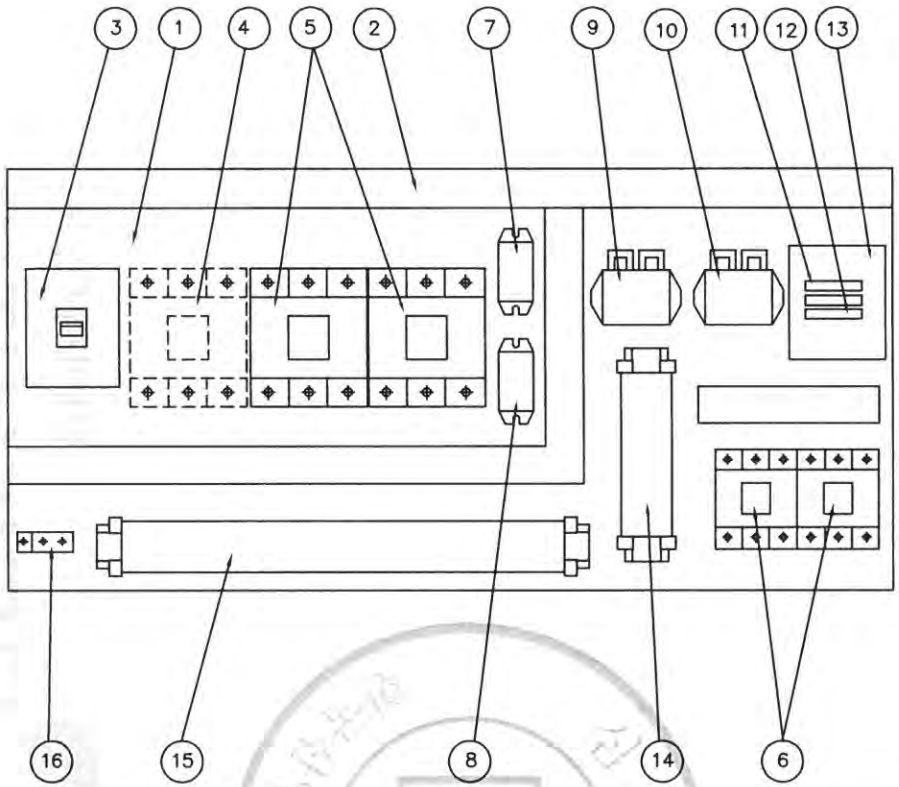
KD3-M

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3EB00



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	50AF/50AT (50AF/40AT)	1	HOISTING
4	MAGNET CONTACTOR	DMC40b (DMC32b)	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC48b (DMC40b)	2	HOISTING
6	MAGNET CONTACTOR	DMC22b	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	FUSE	2 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	220V/110V,120V, 100VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	60A,35A,25A,15A		
16	EARTH TERMINAL	3tx20x50	1	

* ( ) : 저속 사양

N O T E

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 220V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω

----- CRANE SCOPE

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 고류 및 직류 전원선로
2) 적색 : 고류제어회로
3) 주황색 : 외부전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청 색 : 직류 제어회로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 1.5sq
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.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

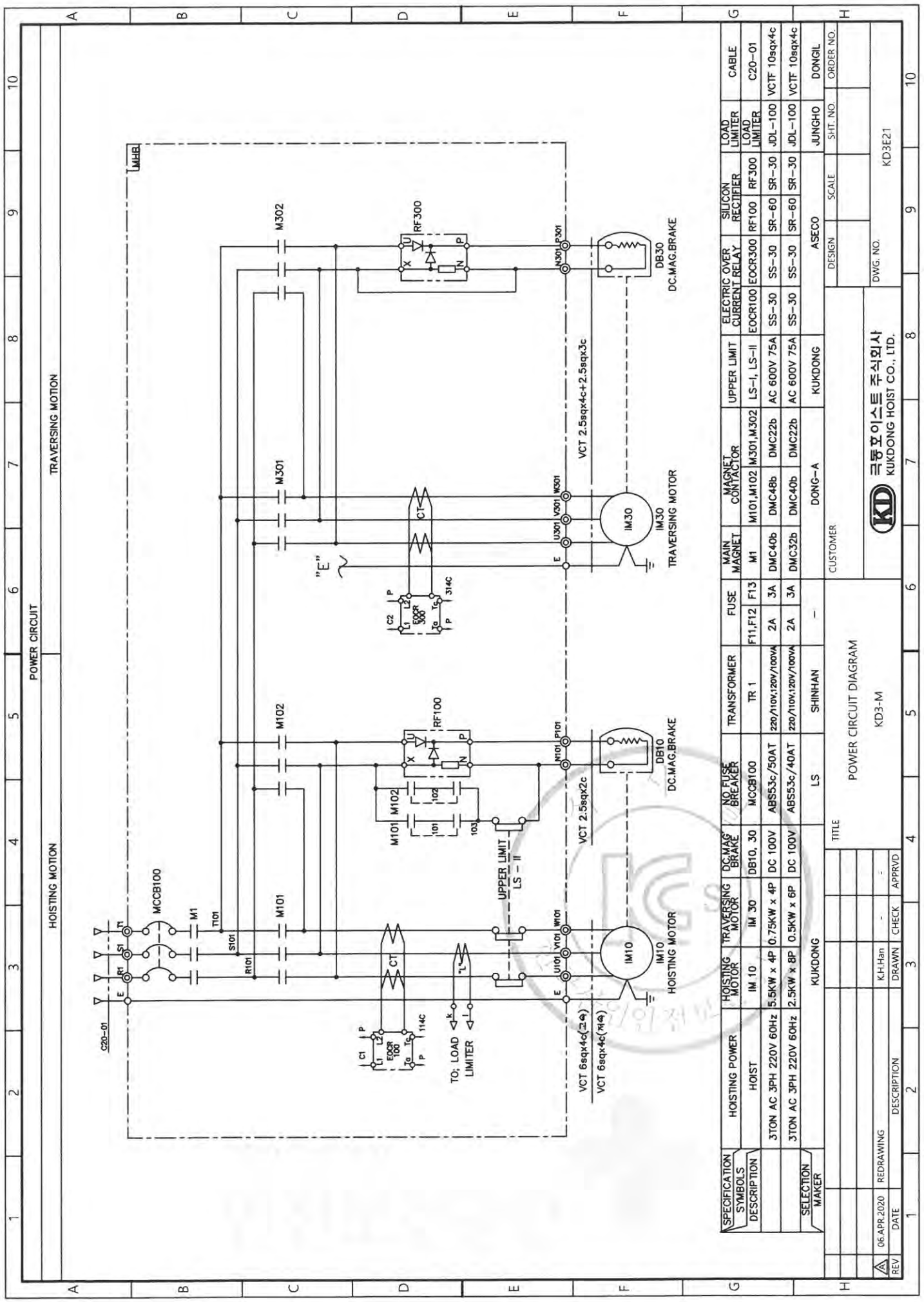
TITLE: PANEL LAY OUT
KD3-M

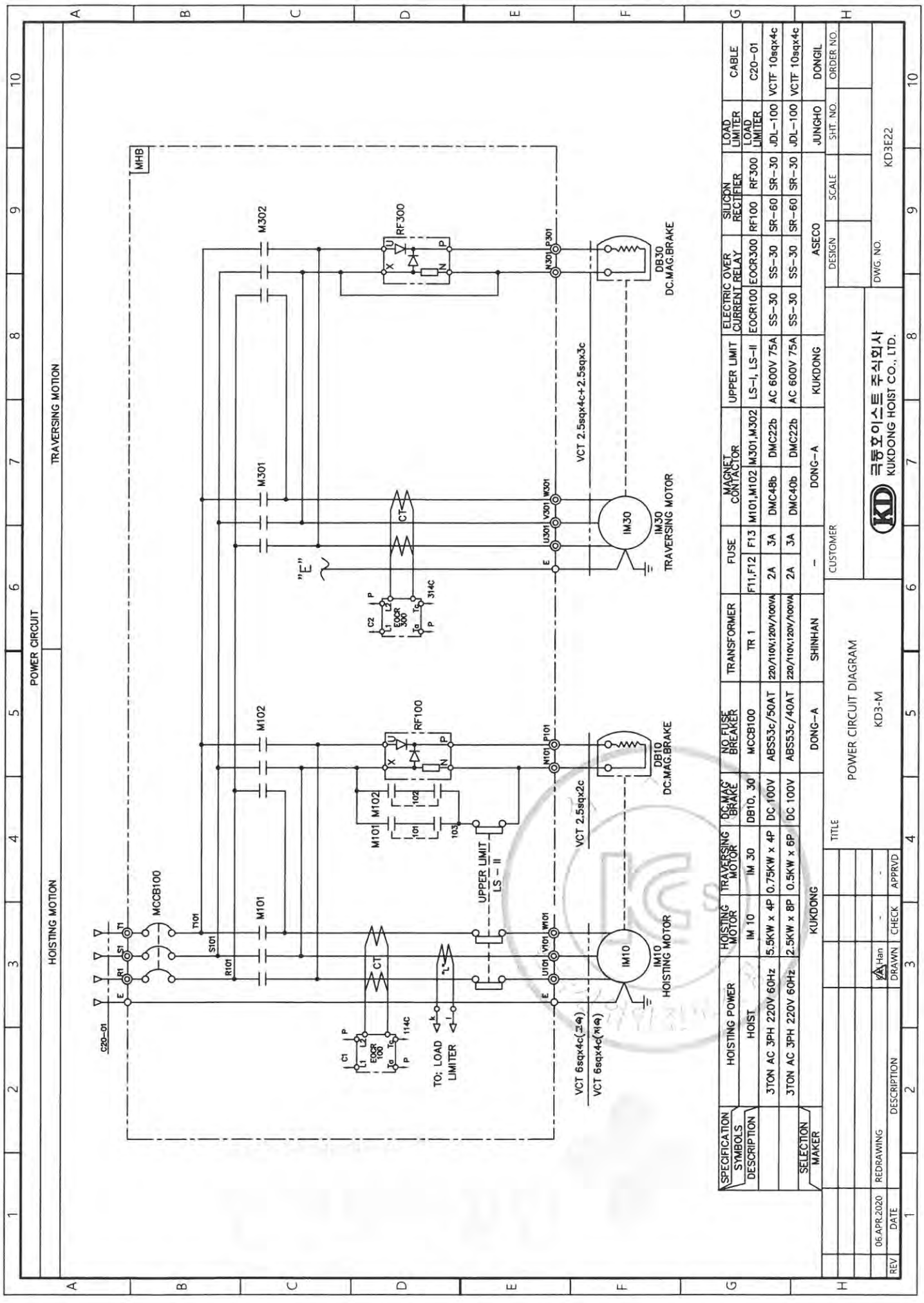
CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

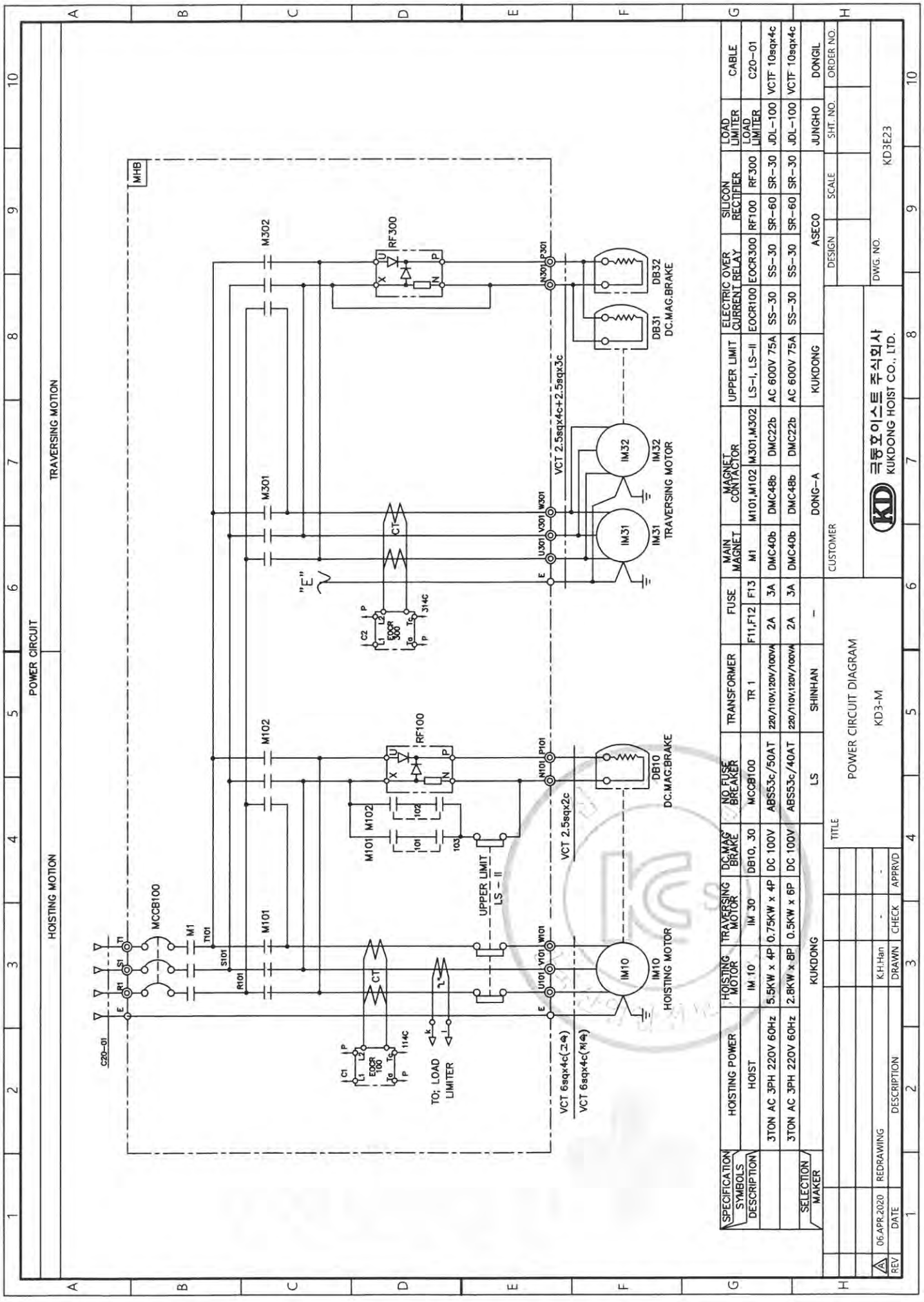
DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3BA21





SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
HOIST	3TON AC 3PH 220V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABS53c/50AT	220/110V,120V/100VA	F11,F12	2A	M101,M102	LS-I, LS-II	EOCR100	RF100	RF300	C20-01
		IM 10	IM 30	DB10, 30	MCCB100	TR 1	F13	3A	M301,M302	LS-I, LS-II	EOCR300	RF100	RF300	C20-01
	3TON AC 3PH 220V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABS53c/40AT	220/110V,120V/100VA	2A	3A	DMC40b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100
									DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100
SELECTION / MAKER	KUKDONG			DONG-A		SHINHAN	-		DONG-A	KUKDONG	ASECO		JUNGHO	DONGIL
														VCTF 10sqx4c
														VCTF 10sqx4c



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 220V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABS53c/50AT	220/110V;120V/100VA	2A	3A	DMC40b	DMC48b	AC 600V 75A	SS-30	SR-30	JDL-100	VCTF 10sqx4c
	3TON AC 3PH 220V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABS53c/40AT	220/110V;120V/100VA	2A	3A	DMC40b	DMC48b	AC 600V 75A	SS-30	SR-30	JDL-100	VCTF 10sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A		KUKDONG		ASECO	JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

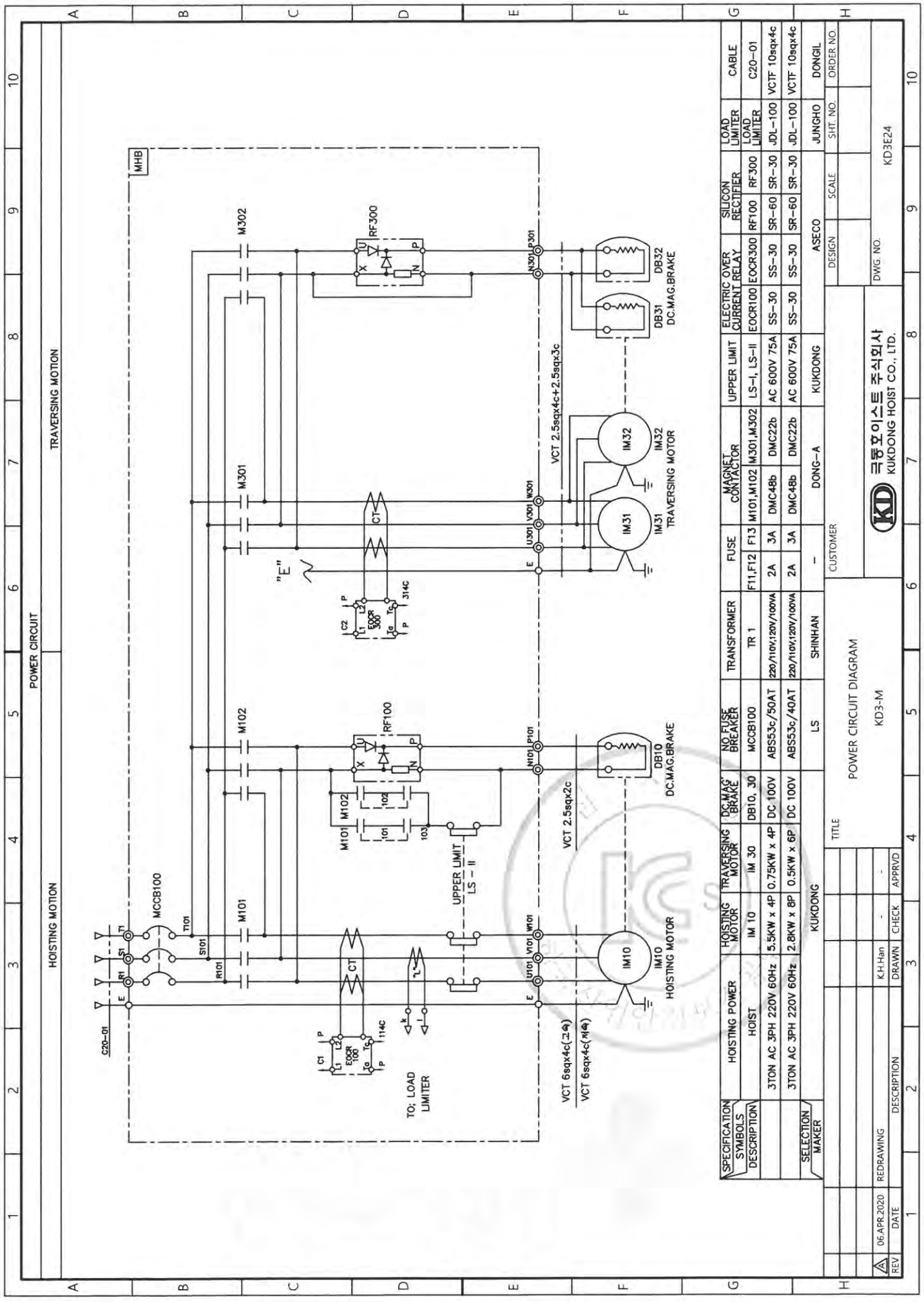
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E23

국동호이스트 주식회사
KUKDONG HOIST CO., LTD.



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
HOIST	3TON AC 3PH 220V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABS53c/50AT	220/110V;120V/100VA	2A	3A	DMC48b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 10sqx4c
	3TON AC 3PH 220V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABS53c/40AT	220/110V;120V/100VA	2A	3A	DMC48b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 10sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A	KUKDONG	ASECO				JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
1	06.APR.2020	REDRAWING	K.H.Han	-	-

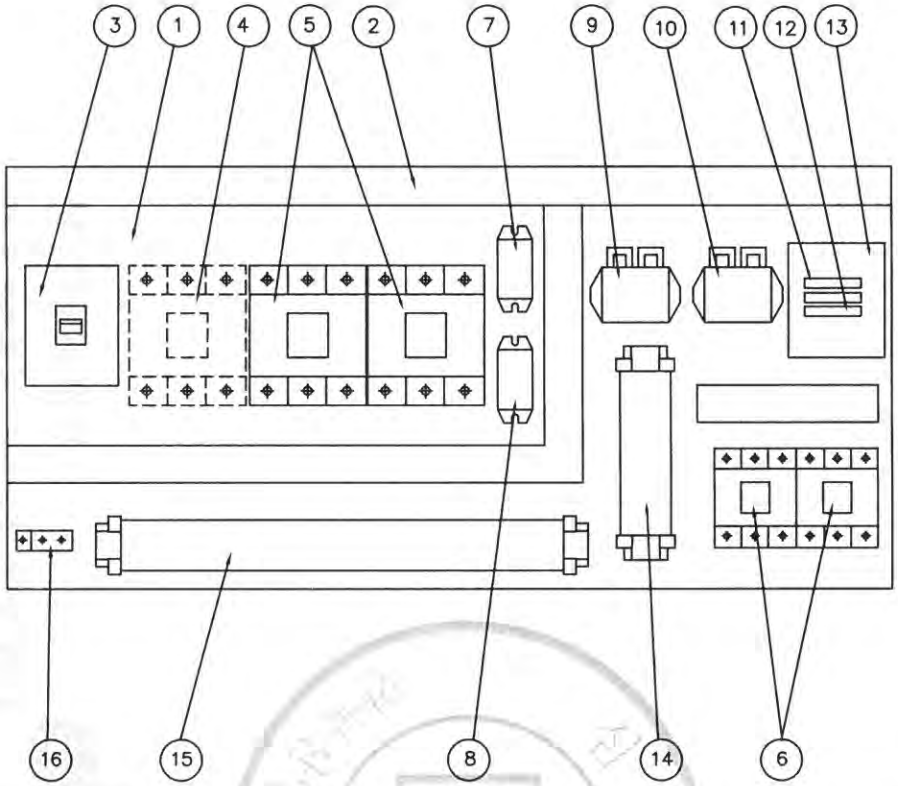
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E24

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC32b	2	HOISTING
6	MAGNET CONTACTOR	DMC22b	2	TRAVERSING
7	SILICON RECTIFIER	SR–60	1	HOISTING
8	SILICON RECTIFIER	SR–30	1	TRAVERSING
9	E.O.C.R	SS–30	1	HOISTING
10	E.O.C.R	SS–05 (고속Motor 2unit : SS–30)	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	380V/110V,120V, 100VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	35A,25A,15A		
16	EARTH TERMINAL	3tx20x50	1	

N O T E

1. UPPER LIMIT LS–1,LS–2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω

– – – – CRANE SCOPE

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑 색 : 고류 및 직류 전원선로
2) 적 색 : 고류제어선
3) 주황색 : 외부에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청 색 : 직류 제어회로

2. CABLE MATERIAL : KIV OR EQUIVALENT
   MIN SIZE : 1.5sq
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.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

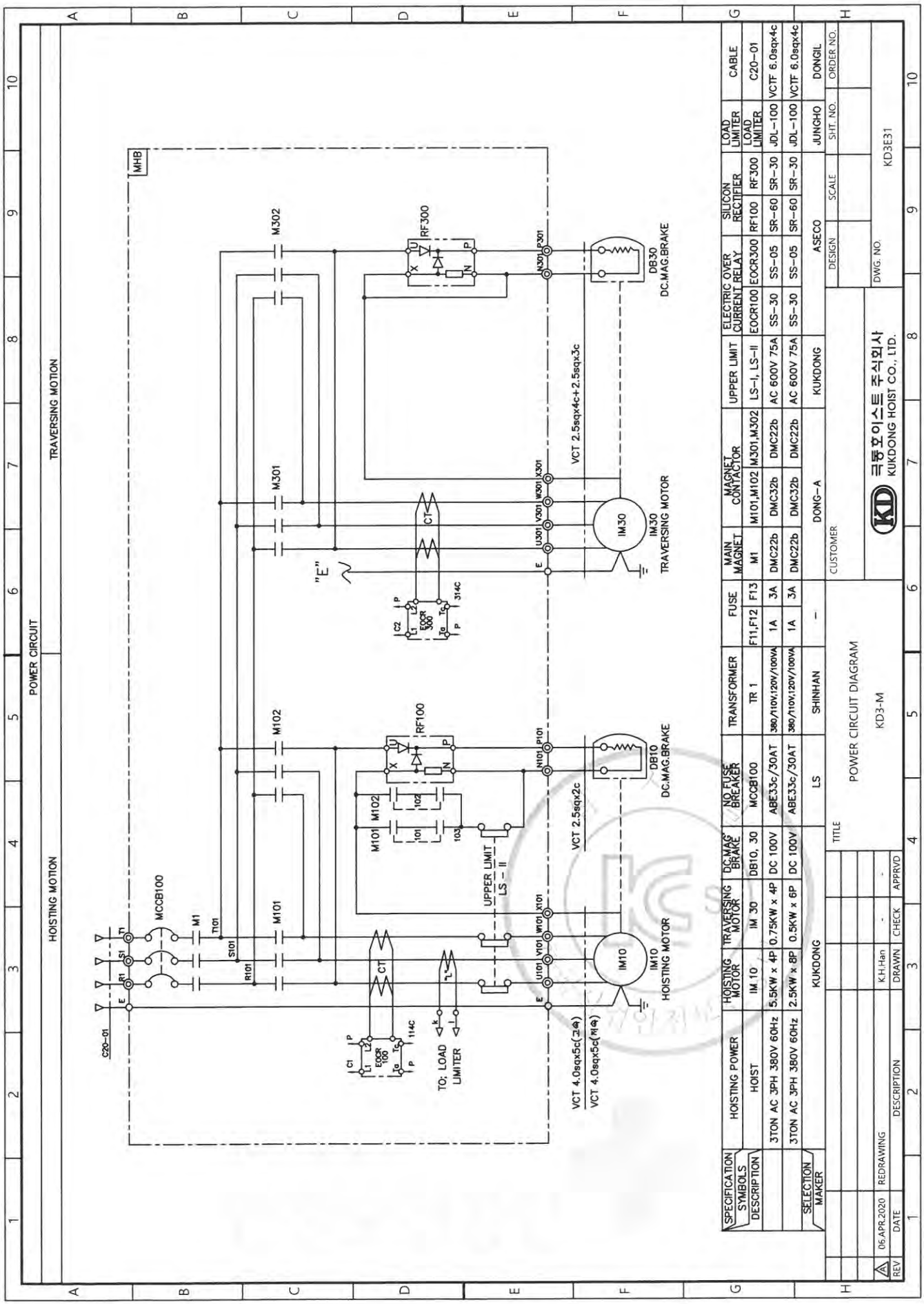
TITLE: PANEL LAY OUT
KD3-M

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3BA31



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	D/C 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 380V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	380/110V;120V/100VA	1A	3A	DMC22b	DMC32b	DMC22b	EOCR300	RF300	JDL-100	VCTF 6.0sqx4c
	3TON AC 3PH 380V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	380/110V;120V/100VA	1A	3A	DMC22b	DMC32b	DMC22b	EOCR100	RF100	JDL-100	VCTF 6.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A		KUKDONG		ASECO	JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

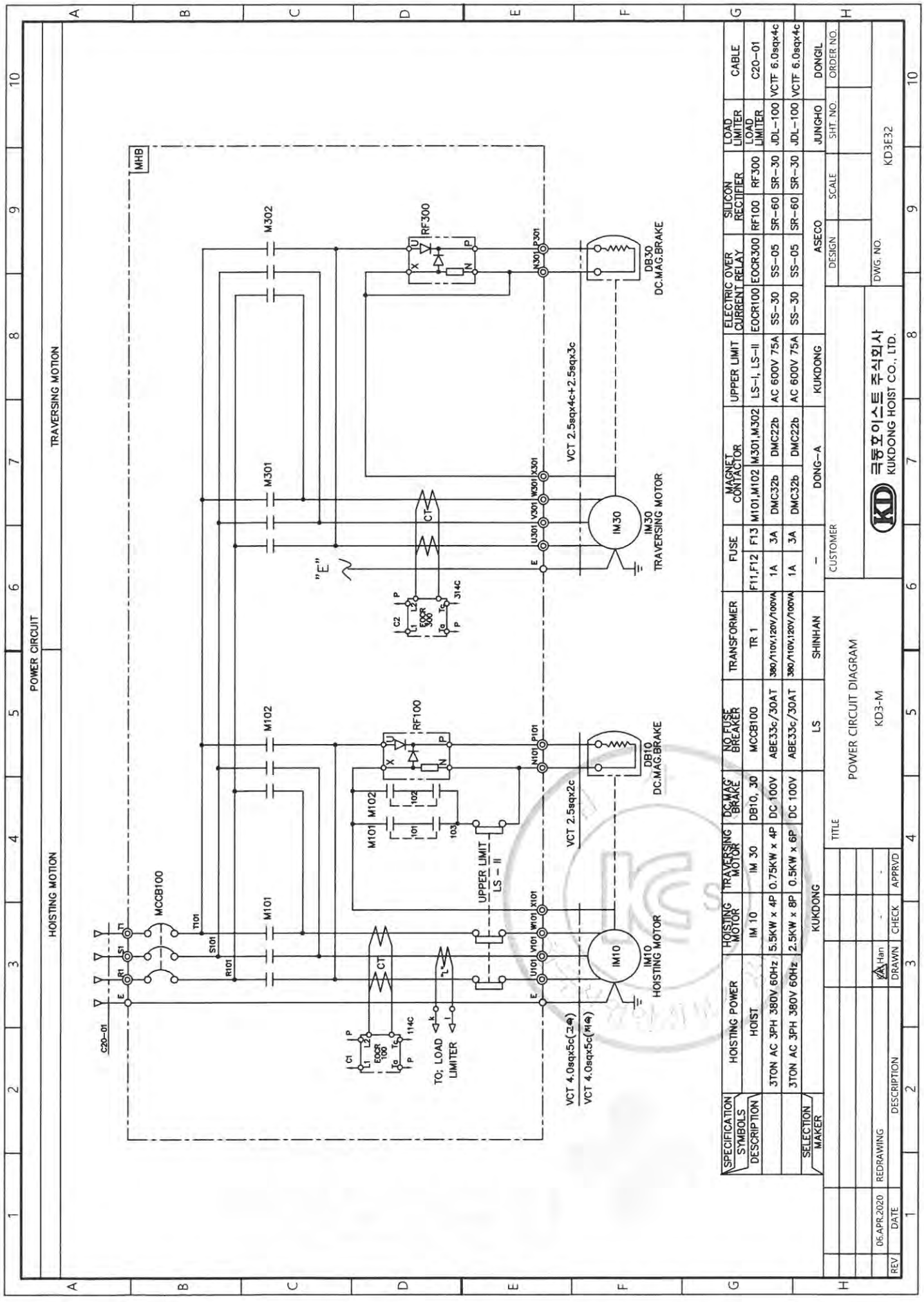
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

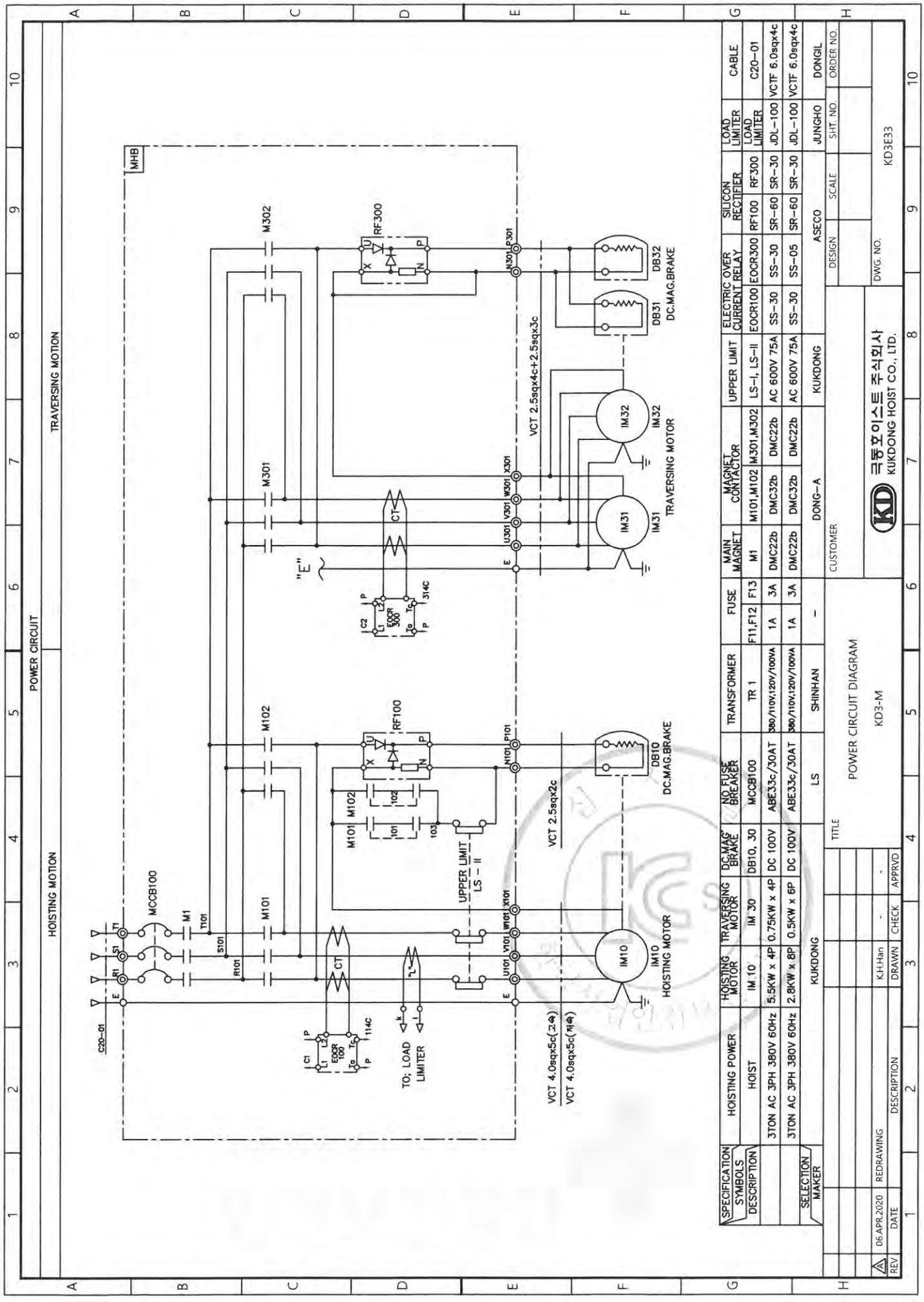
CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E31

KD 금풍호이스트 주식회사
KUKDONG HOIST CO., LTD.





SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	RF100	RF300	LOAD LIMITER	C20-01
	3TON AC 3PH 380V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	380/110V,120V/100VA	1A	3A	DMC22b	DMC32b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 6.0sqx4c
	3TON AC 3PH 380V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	380/110V,120V/100VA	1A	3A	DMC22b	DMC32b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 6.0sqx4c
SELECTION MAKER	KUKDONG			LS	SHINHAN	-	DONG-A			KUKDONG		ASECO			JUNGHO	DONGIL	

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

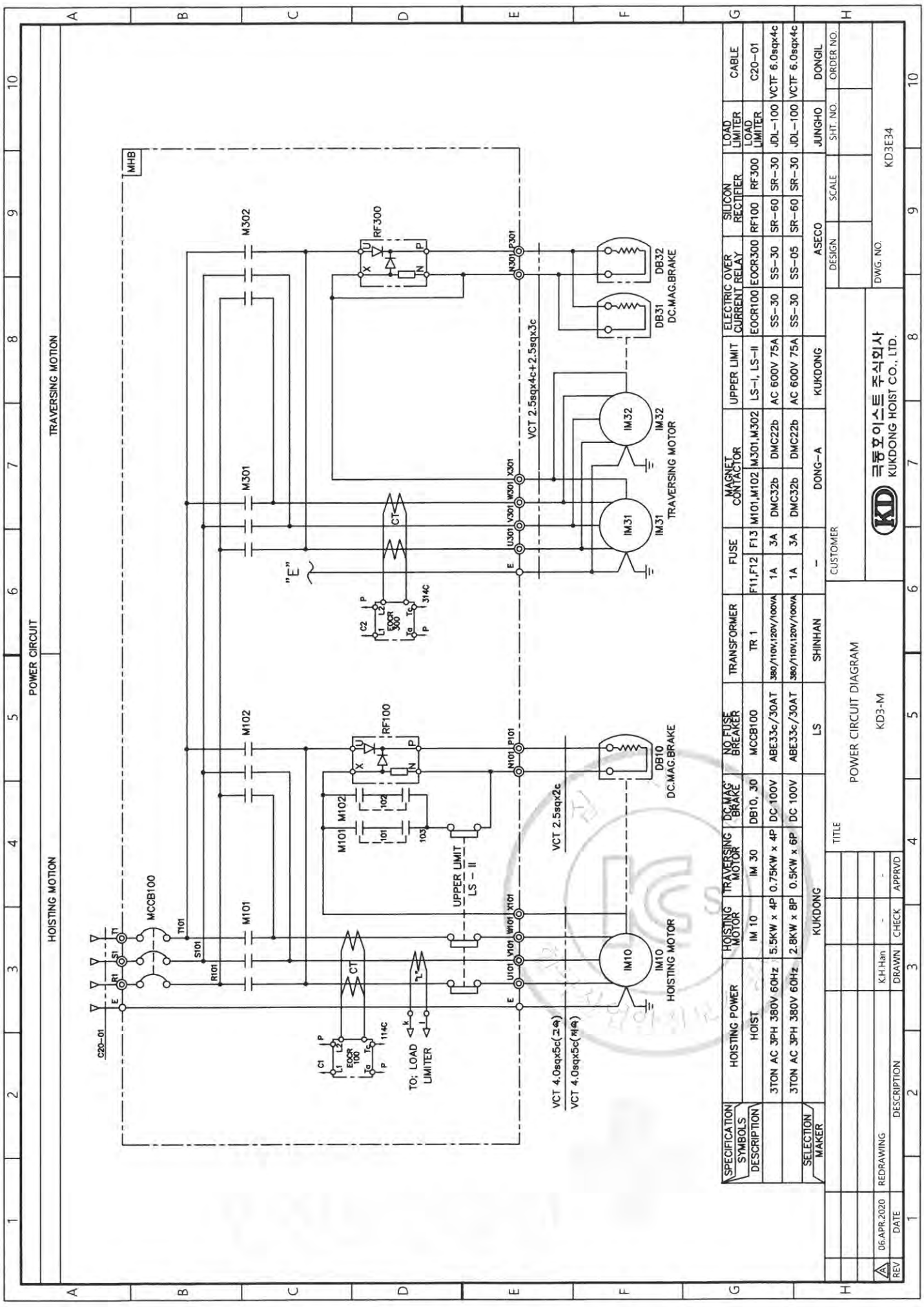
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

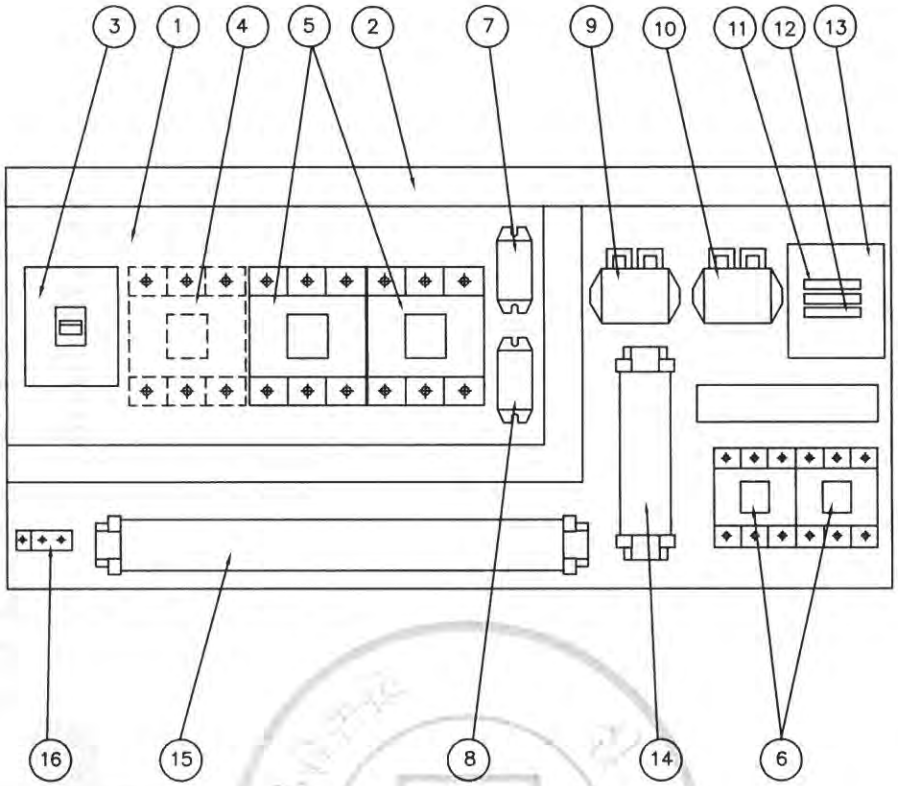
DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E33

KD 극동호이스트 주식회사
KUKDONG HOIST CO., LTD.



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC MAG BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
						TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
HOIST	3TON AC 3PH 380V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	380/110V;120V/100VA	1A	3A	DMC32b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 6.0sqx4c
	3TON AC 3PH 380V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	380/110V;120V/100VA	1A	3A	DMC32b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 6.0sqx4c
SELECTION MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG	ASECO		JUNGHO	DONGIL



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	DMC22b	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	440V/110V,120V, 100VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	35A,25A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω

---- CRANE SCOPE

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑 색 : 고류 및 직류 전원선로
2) 적 색 : 고류제어선
3) 주황색 : 외부에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청 색 : 직류 제어회로

2. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 1.5sq
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.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

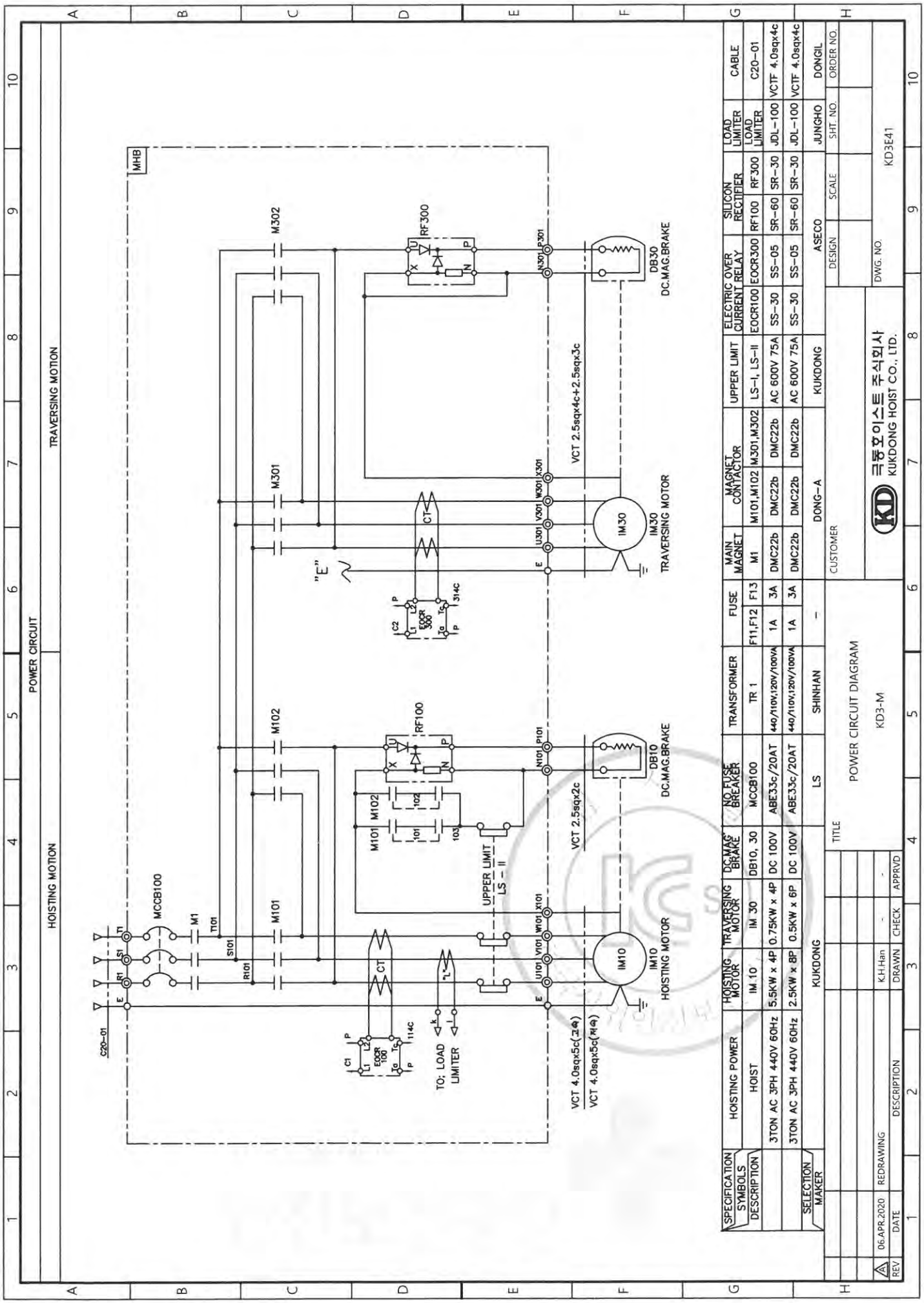
TITLE: PANEL LAY OUT
KD3-M

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3BA41



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 440V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/20AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 440V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABE33c/20AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	SR-30	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-		DONG-A		KUKDONG		ASECO		JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	KH.Han	-	-

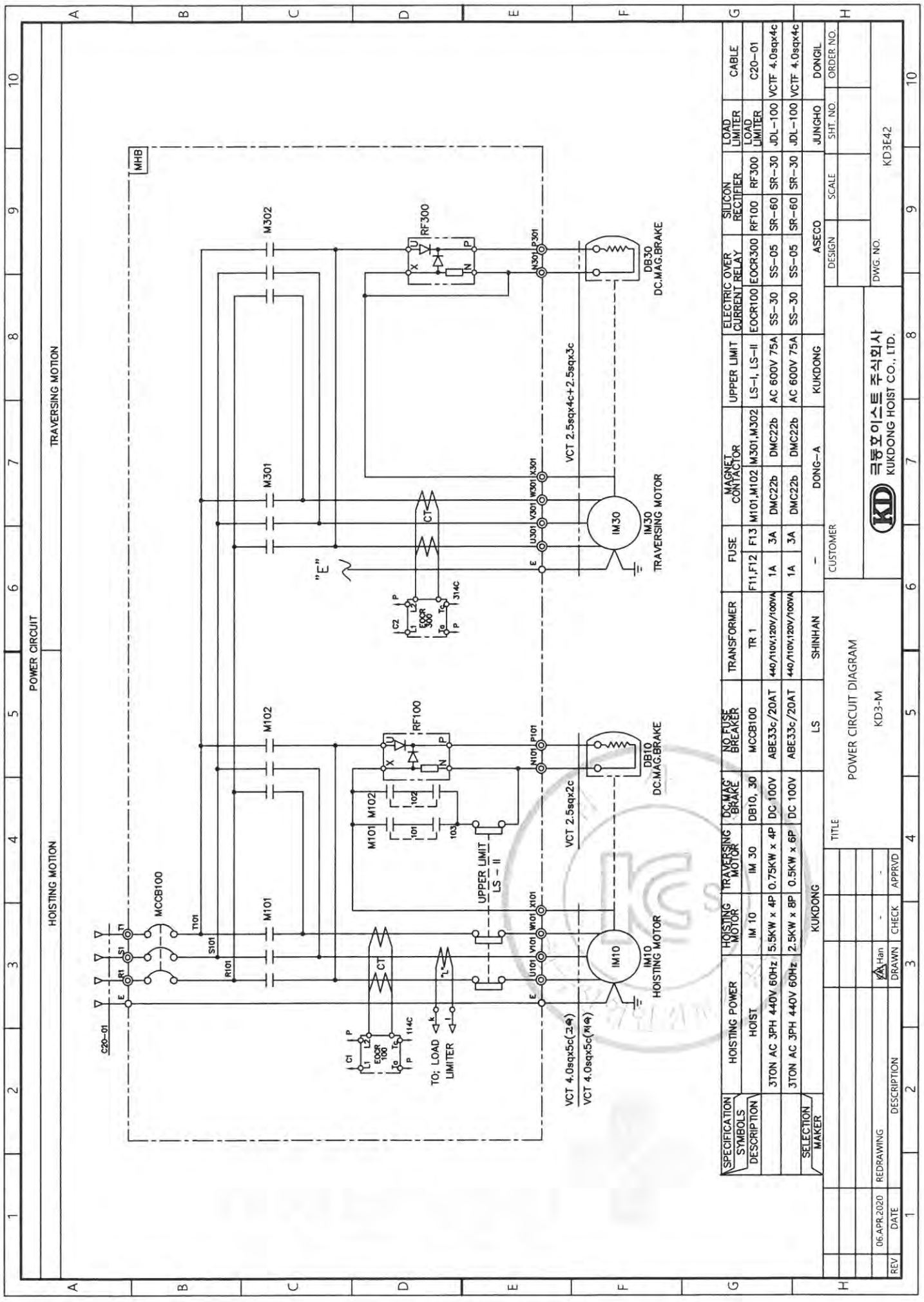
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

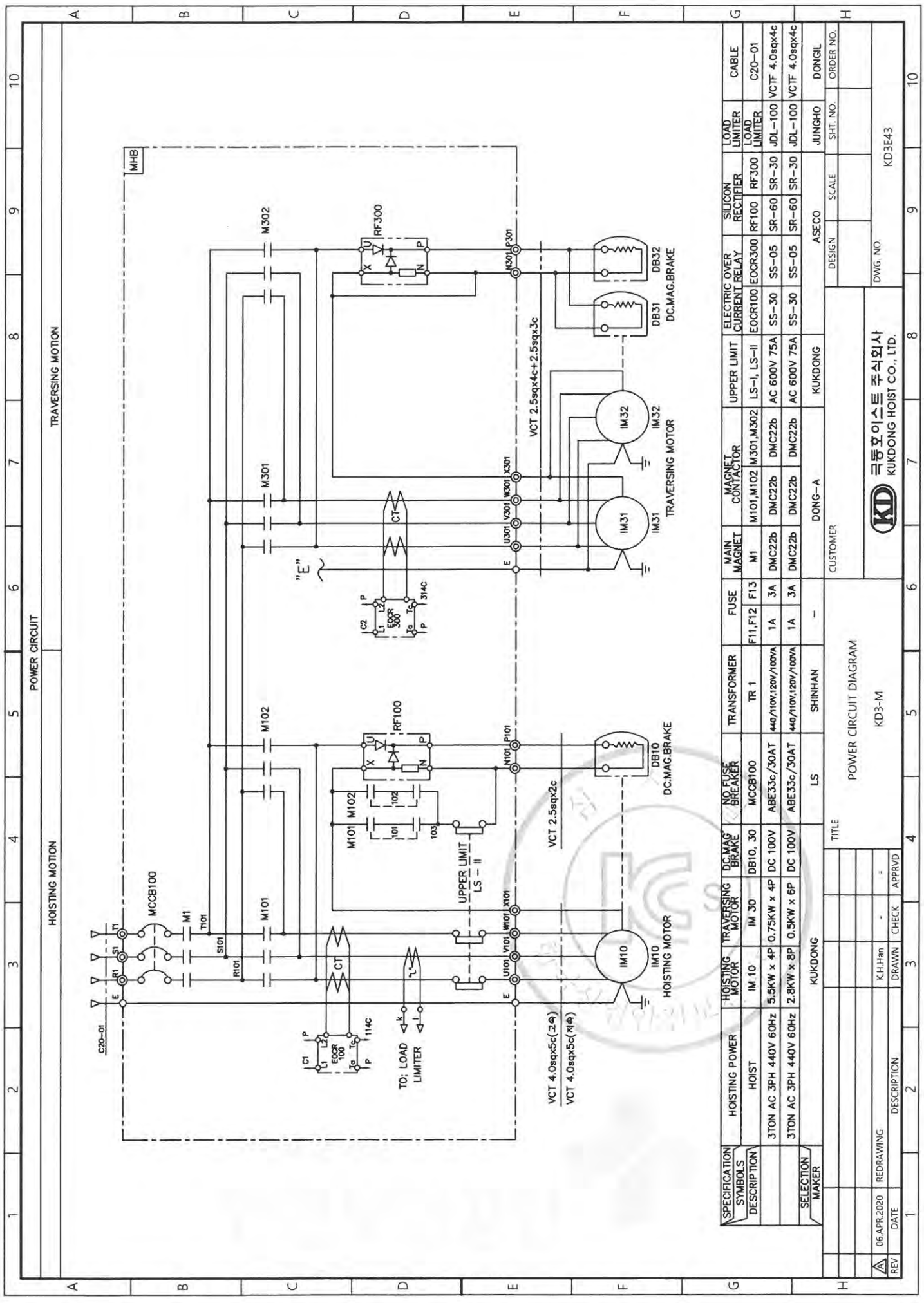
CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E41





SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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	3TON AC 3PH 440V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 440V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A		KUKDONG		ASECO	JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

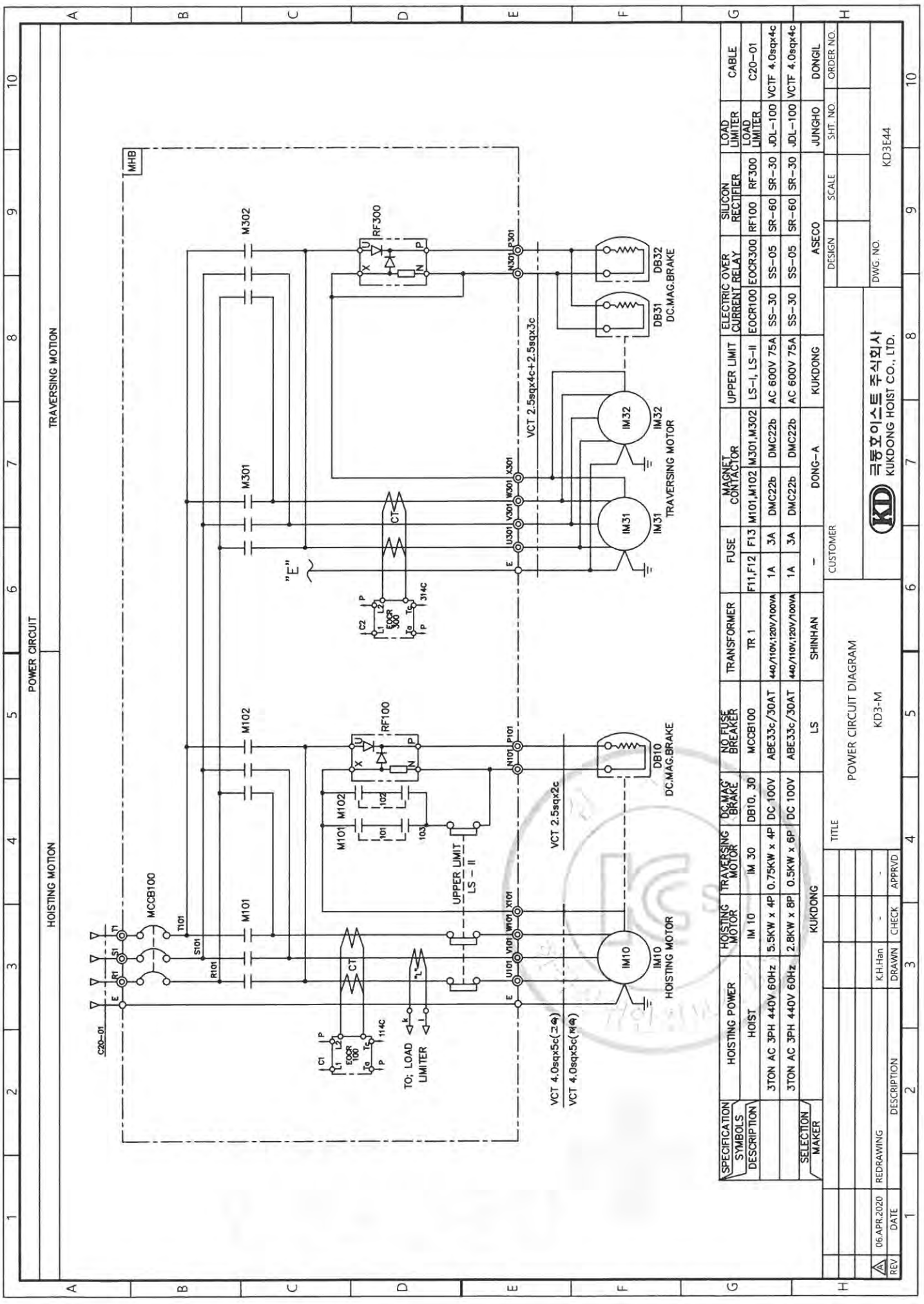
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

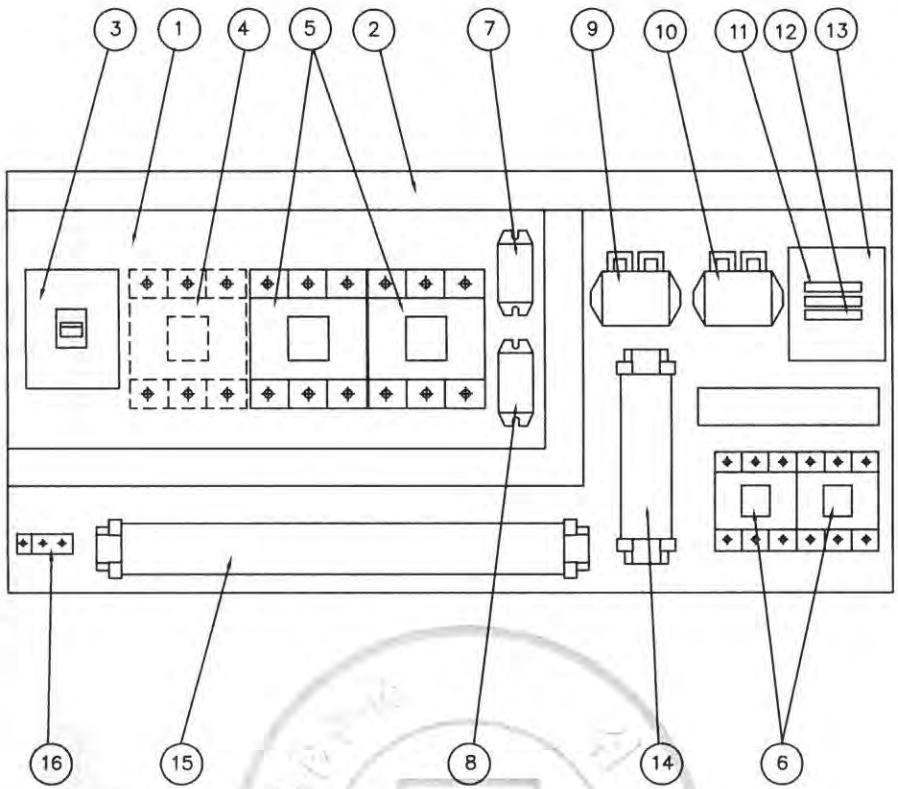
극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E43



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
HOIST		IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 440V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 440V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	440/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER	KUKDONG			LS	SHINHAN		-		DONG-A		KUKDONG	ASECO		JUNGHO	DONGIL



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	DMC22b	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	460V/110V,120V, 100VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	35A,25A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 460V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω

---- CRANE SCOPE

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑 색 : 고류 및 직류 전원선로
2) 적 색 : 고류제어선
3) 주황색 : 외부에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청 색 : 직류 제어회로

2. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 1.5sq
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.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

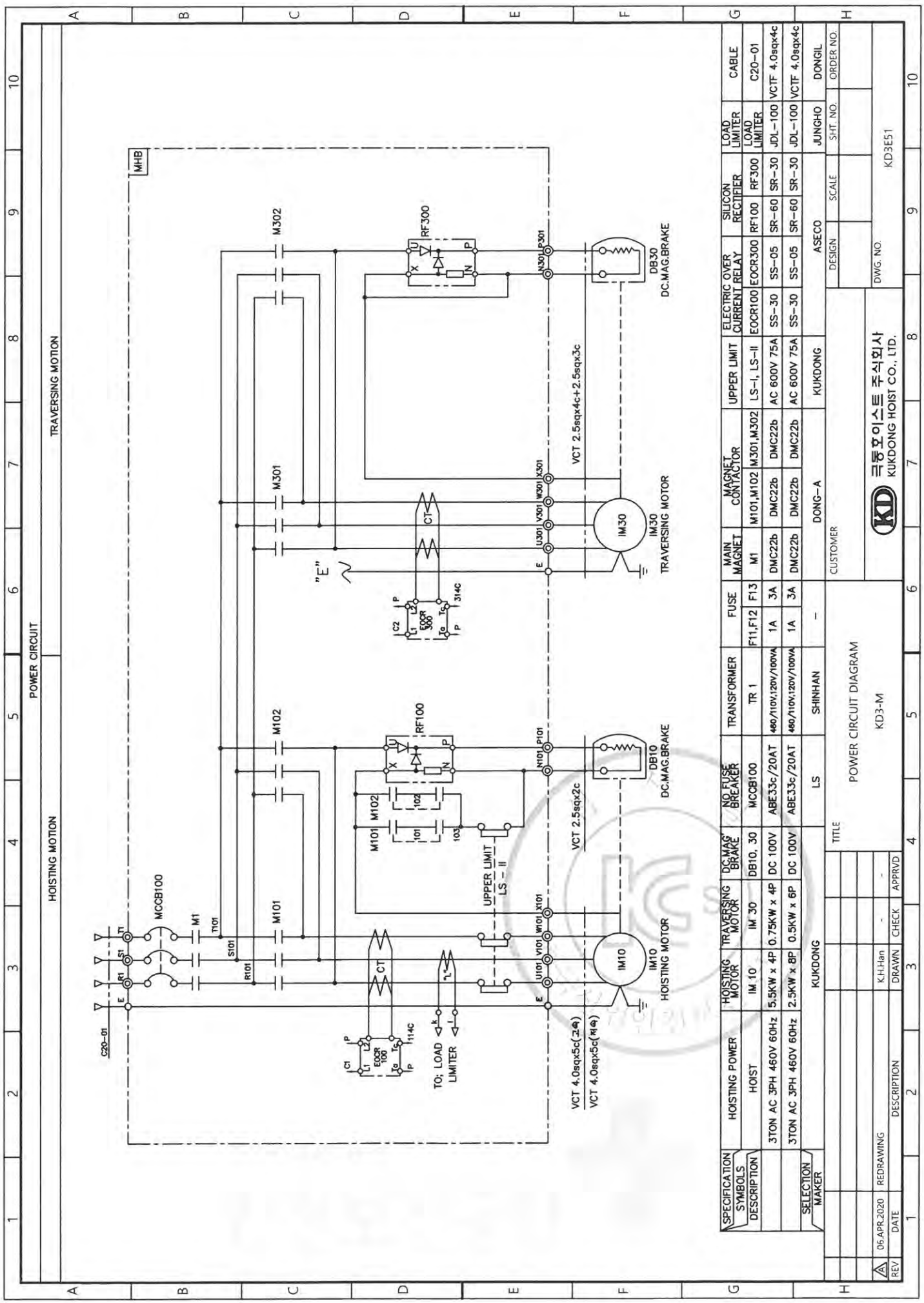
TITLE: PANEL LAY OUT
KD3-M

CUSTOMER

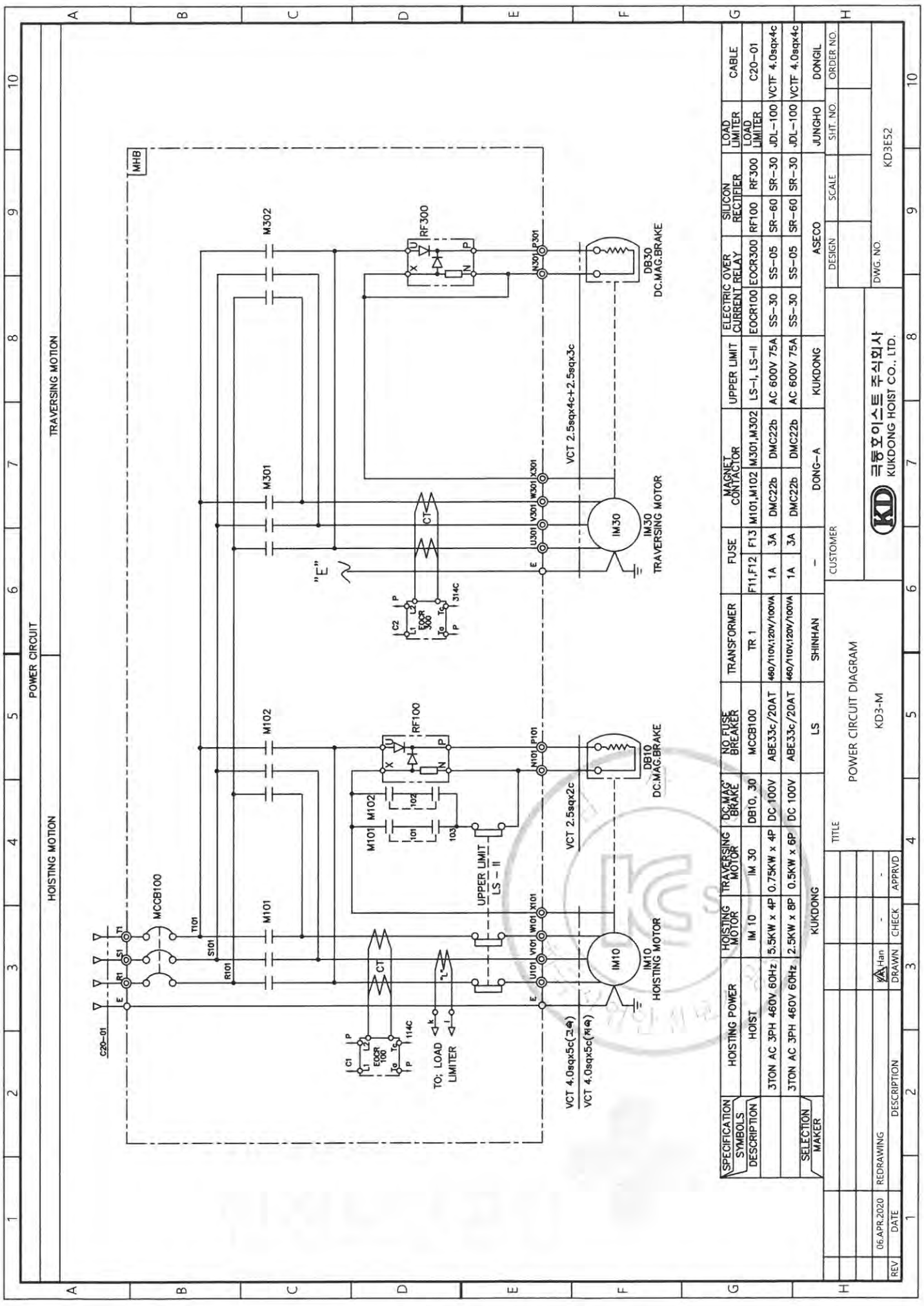
극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3BA51



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 460V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/20AT	460/110V:120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 460V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABE33c/20AT	460/110V:120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A	KUKDONG		ASECO		JUNGHO	DONGIL



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
SELECTION	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	EOCR100	RF100	LOAD LIMITER	C20-01
MAKER	3TON AC 3PH 460V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/20AT	460/110V,120V/100VA	1A	3A	DMC22b	DMC22b	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
KUKDONG	3TON AC 3PH 460V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABE33c/20AT	460/110V,120V/100V A	1A	3A	DMC22b	DMC22b	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
					LS	SHINHAN	-		DONG-A	KUKDONG	ASECO		JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
	06.APR.2020	REDRAWING	KA Han	-	-

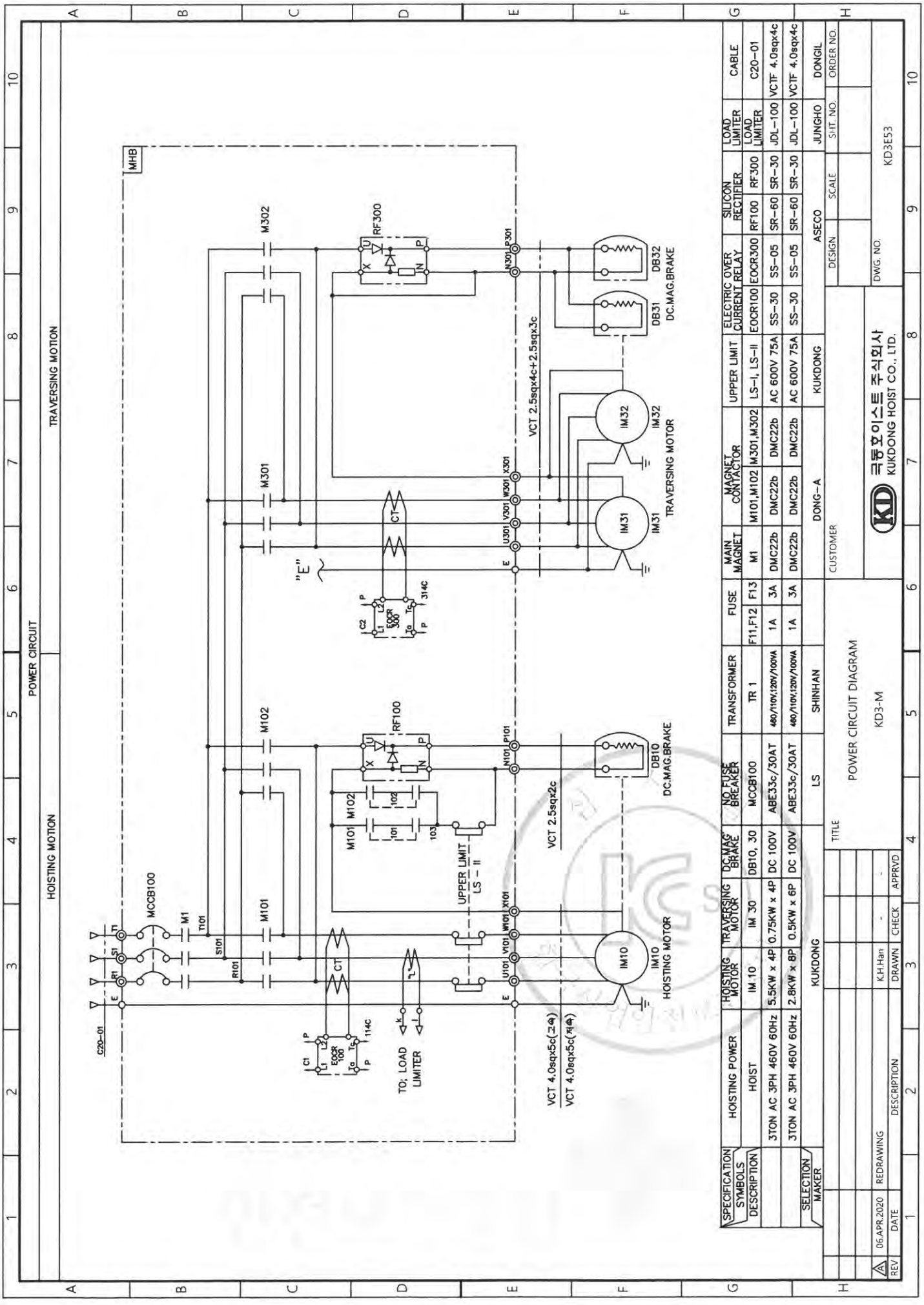
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

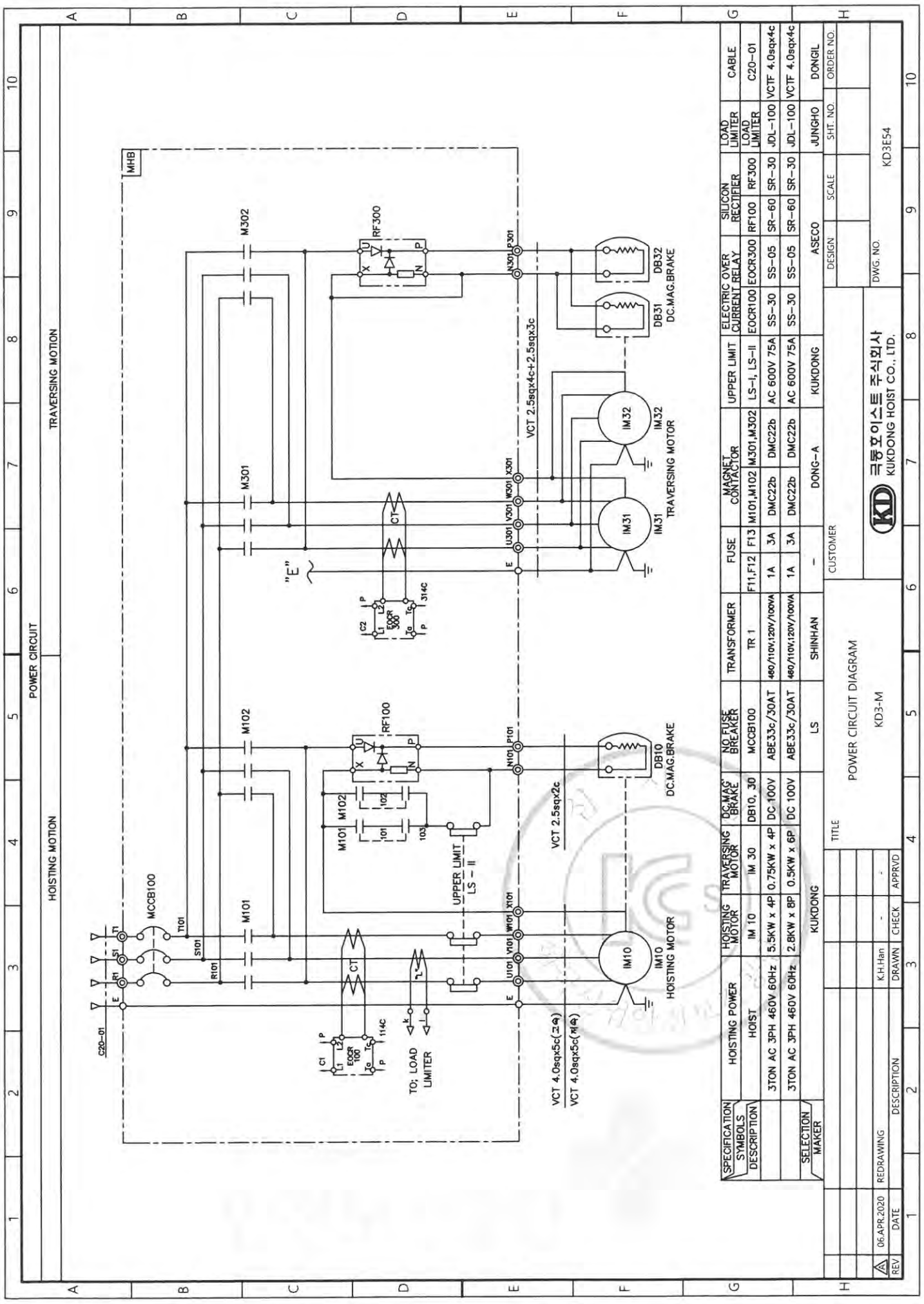
극동호이스트주식회사
KUKDONG HOIST CO., LTD.

DESIGN | SCALE | SHT. NO. | ORDER NO.

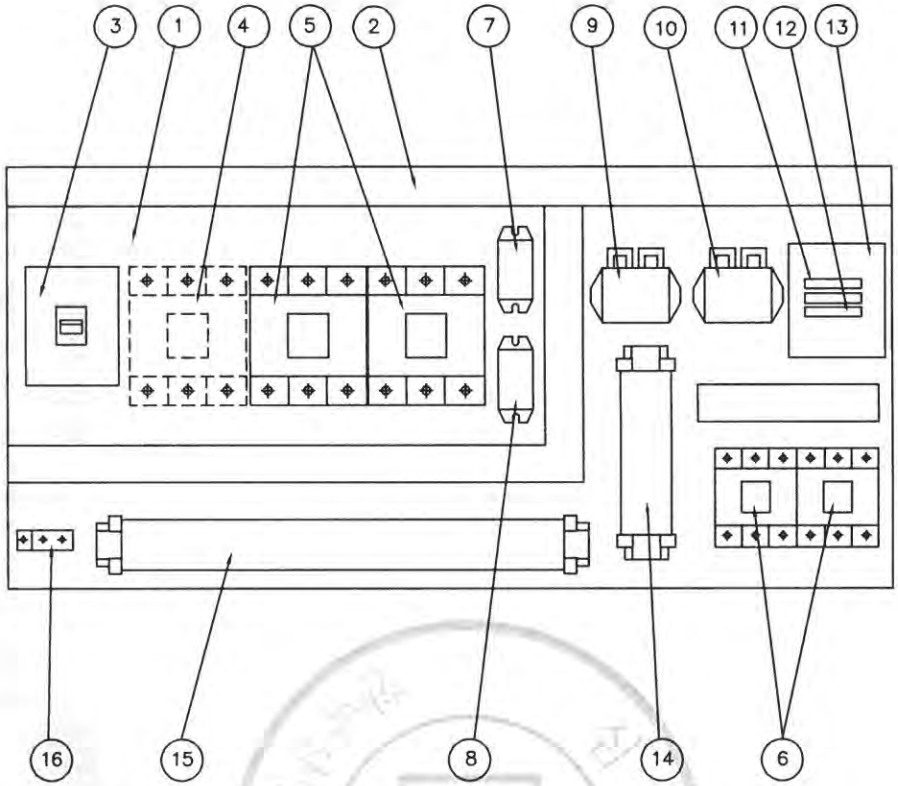
DWG. NO. KD3E52



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
							F11,F12	F13	M1	M101,M102	M301,M302	LS-I, LS-II	EOCR100	EOCR300	RF100	RF300	LOAD LIMITER	C20-01
HOIST	3TON AC 3PH 460V 60Hz	IM 10	IM 30	DB10, 30	MCCB100	TR 1	1A	3A	DMC22b	DMC22b	DMC22b	AC 600V 75A	SS-30	SS-05	SR-60	SR-30	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 460V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	460/110V;120V/100VA	1A	3A	DMC22b	DMC22b	DMC22b	AC 600V 75A	SS-30	SS-05	SR-60	SR-30	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	460/110V;120V/100VA	1A	3A	DMC22b	DMC22b	DMC22b	AC 600V 75A	SS-30	SS-05	SR-60	SR-30	JDL-100	VCTF 4.0sqx4c
		KUKDONG			LS	SHINHAN			DONG-A		KUKDONG		ASECO				JUNGHO	DONGIL



SPECIFICATION SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12 F13	M101,M102 M301,M302	LS-I, LS-II	EOCR100 EOCR300	RF100 RF300	LOAD LIMITER	C20-01
	3TON AC 3PH 460V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/30AT	480/110V;120V/100VA	1A 3A	DMC22b DMC22b	AC 600V 75A	SS-30 SS-05	SR-60 SR-30	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 460V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/30AT	480/110V;120V/100VA	1A 3A	DMC22b DMC22b	AC 600V 75A	SS-30 SS-05	SR-60 SR-30	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER	KUKDONG				LS	SHINHAN	-	DONG-A	KUKDONG	ASECO		JUNGHO	DONGIL



NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	–	1	
3	N.F.B	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	DMC22b	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	480V/110V,120V, 100VA	1	
14	UPPER LIMIT	AC 600V/75A	1	
15	TERMINAL BLOCK	35A,25A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류. 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 480V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑 색 : 교류 및 직류 전원선로
2) 적 색 : 교류제어선
3) 주황색 : 외부에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
5) 청 색 : 직류 제어회로

2. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 1.5sq
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.

----- CRANE SCOPE

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

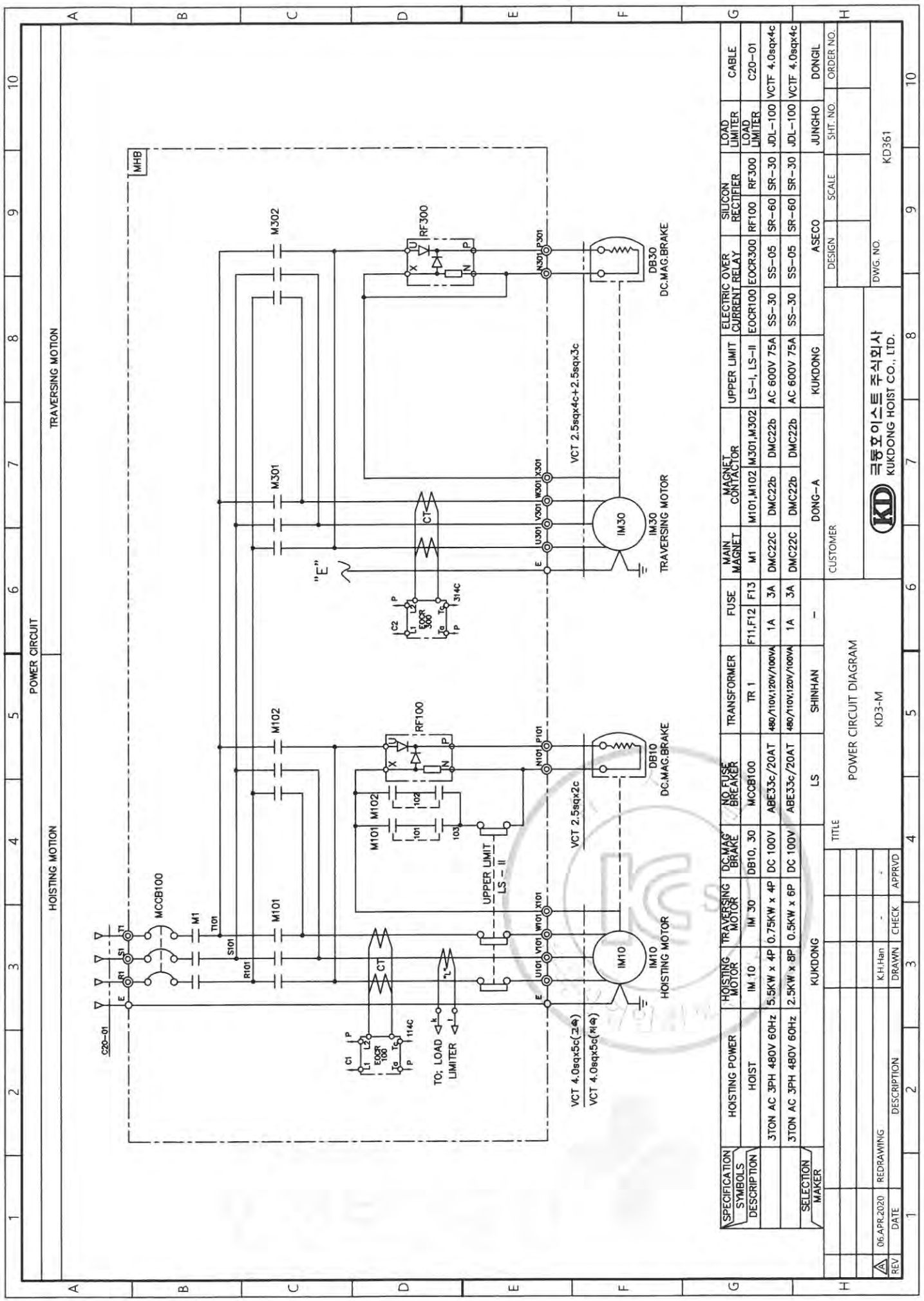
TITLE: PANEL LAY OUT
KD3-M

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3BA61



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 480V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/20AT	480/110V;120V/100VA	1A	3A	DMC22C	DMC22b	AC 600V 75A	EOCR300	RF300	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 480V 60Hz	2.5KW x 8P	0.5KW x 6P	DC 100V	ABE33c/20AT	480/110V;120V/100VA	1A	3A	DMC22C	DMC22b	AC 600V 75A	SS-30	SR-30	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A		KUKDONG		ASECO	JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

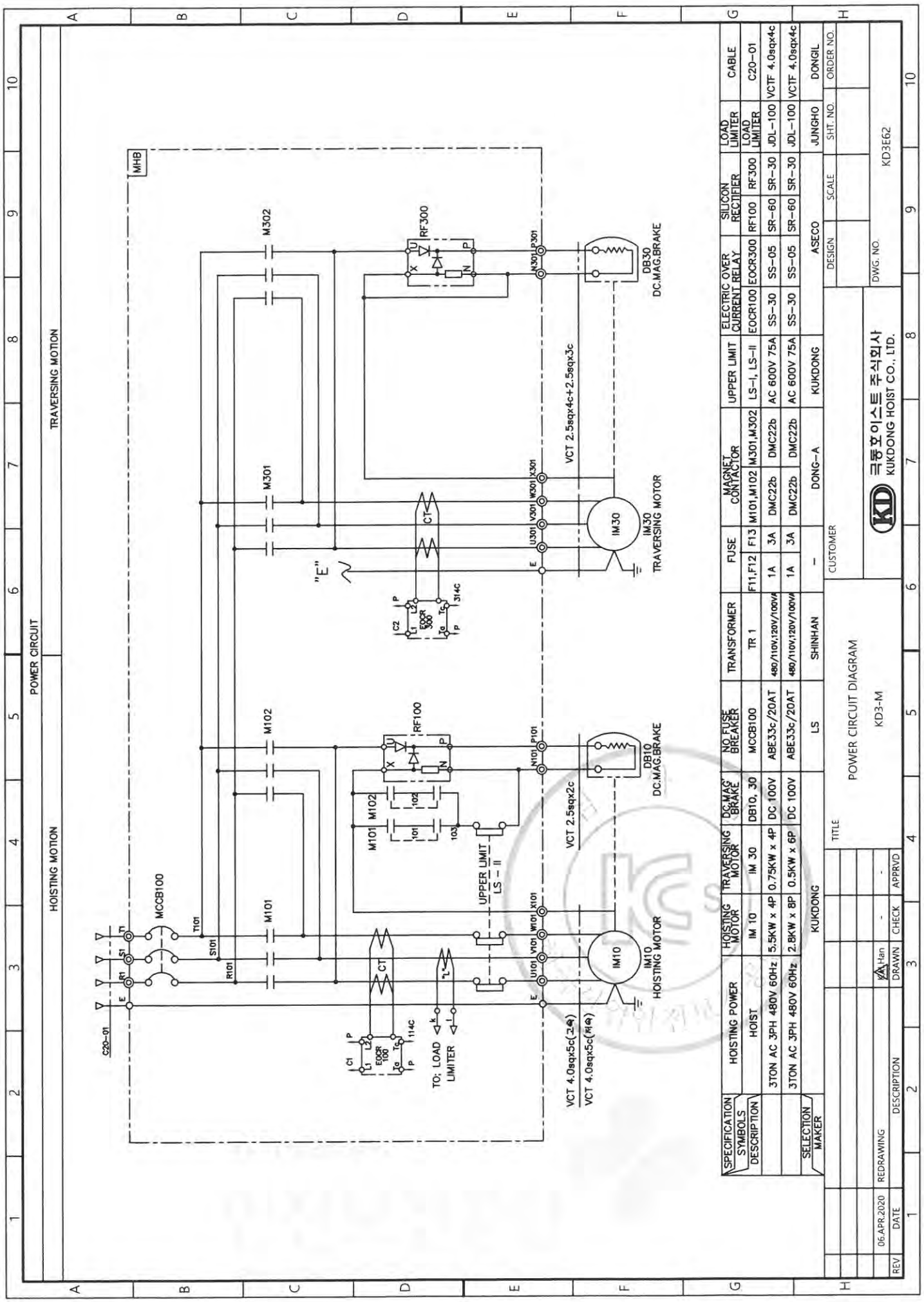
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD361

KD 국동호이스트주식회사 KUKDONG HOIST CO., LTD.



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR		UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	3TON AC 3PH 480V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABE33c/20AT	480/110V,120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 480V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABE33c/20AT	480/110V,120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A		KUKDONG	ASECO		JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
	06.APR.2020	REDRAWING	Han	-	-

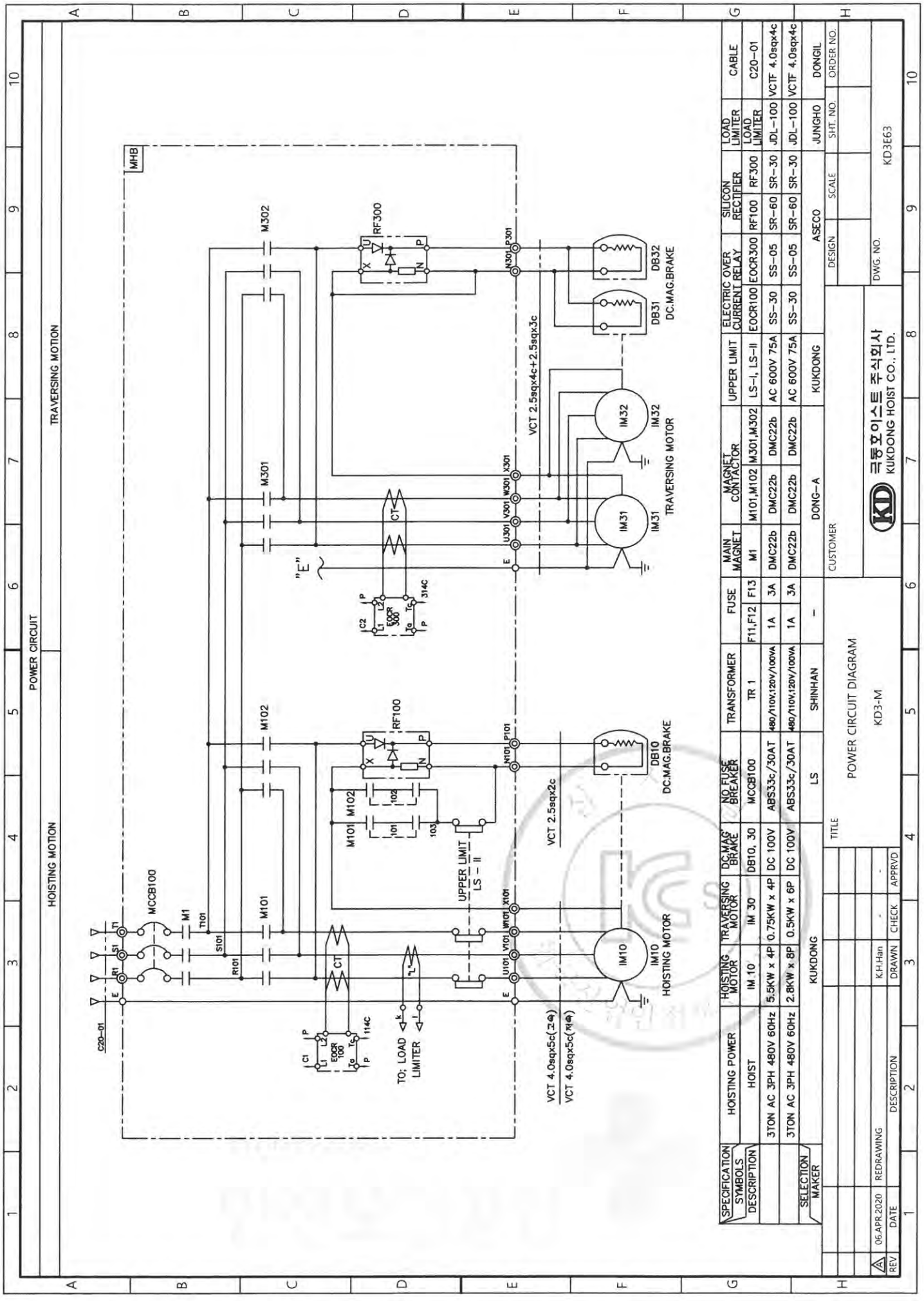
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E62

KD 크붕호이스트 주식회사
KUKDONG HOIST CO., LTD.



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING 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	3TON AC 3PH 480V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABS33c/30AT	480/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 480V 60Hz	2.8KW x 8P	0.5KW x 6P	DC 100V	ABS33c/30AT	480/110V;120V/100VA	1A	3A	DMC22b	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER		KUKDONG			LS	SHINHAN	-		DONG-A	KUKDONG		ASECO		JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	

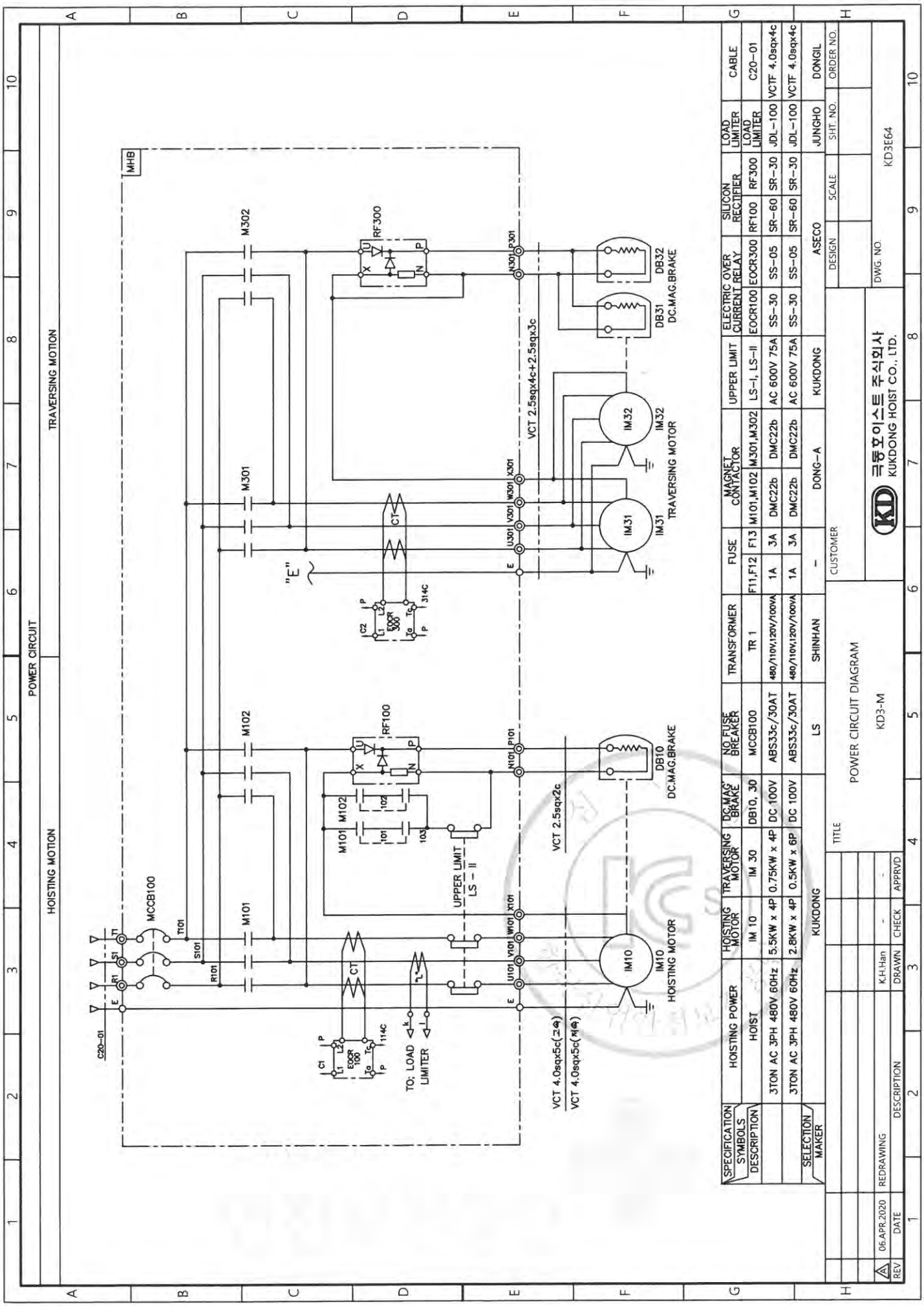
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

CUSTOMER

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3E63

KD 큐동호이스트 주식회사
KUKDONG HOIST CO., LTD.



SPECIFICATION / SYMBOLS / DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC.MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
HOIST	3TON AC 3PH 480V 60Hz	5.5KW x 4P	0.75KW x 4P	DC 100V	ABS33c/30AT	480/110V;120V/100VA	1A	3A	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
	3TON AC 3PH 480V 60Hz	2.8KW x 4P	0.5KW x 6P	DC 100V	ABS33c/30AT	480/110V;120V/100VA	1A	3A	DMC22b	AC 600V 75A	SS-30	SR-60	JDL-100	VCTF 4.0sqx4c
SELECTION / MAKER	KUKDONG	IM 10	IM 30	DB10, 30	MCCB100	TR 1	F11,F12	F13	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
		LS				SHINHAN	-		DONG-A	KUKDONG	ASECO		JUNGHO	DONGIL

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

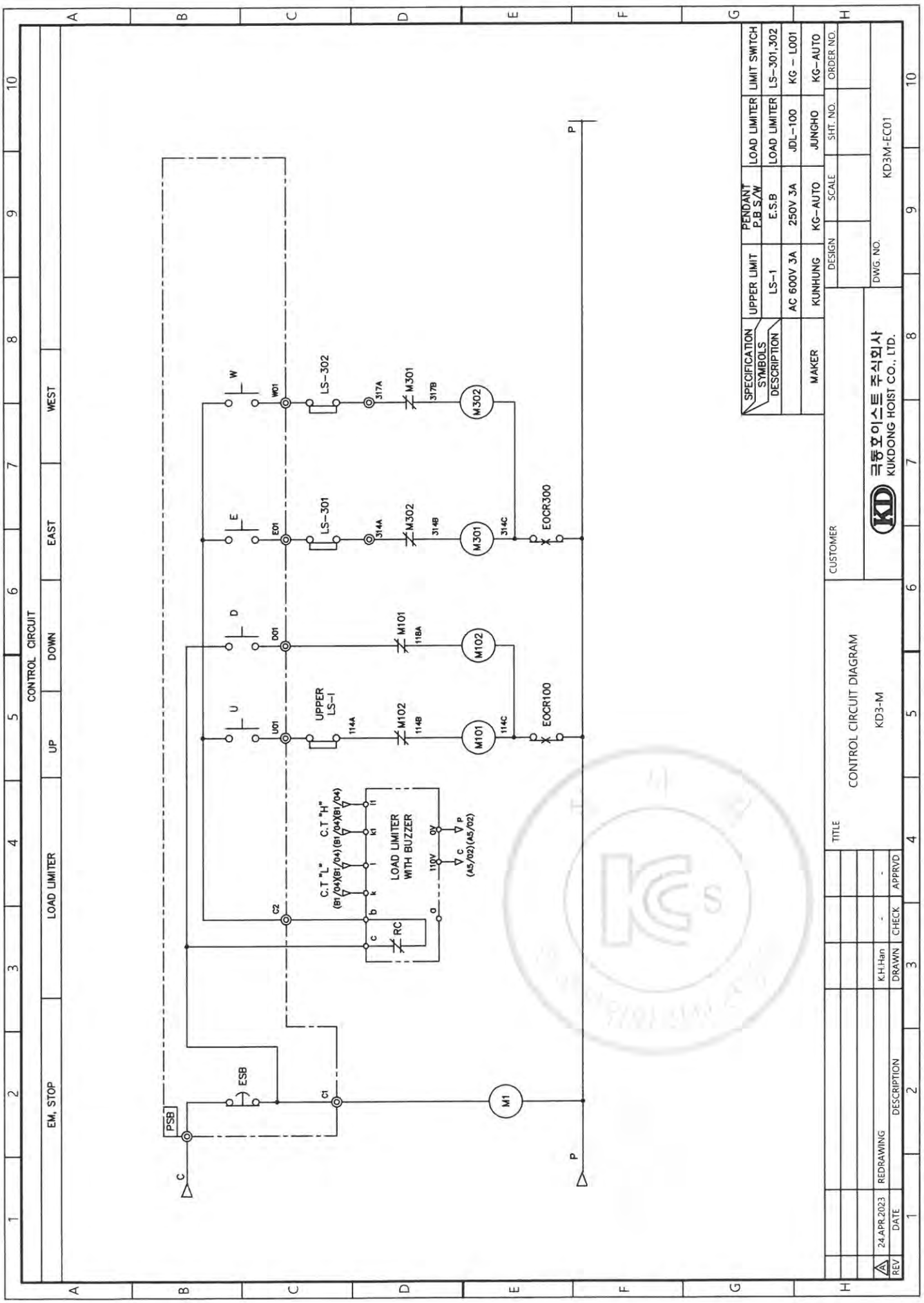
TITLE: POWER CIRCUIT DIAGRAM
KD3-M

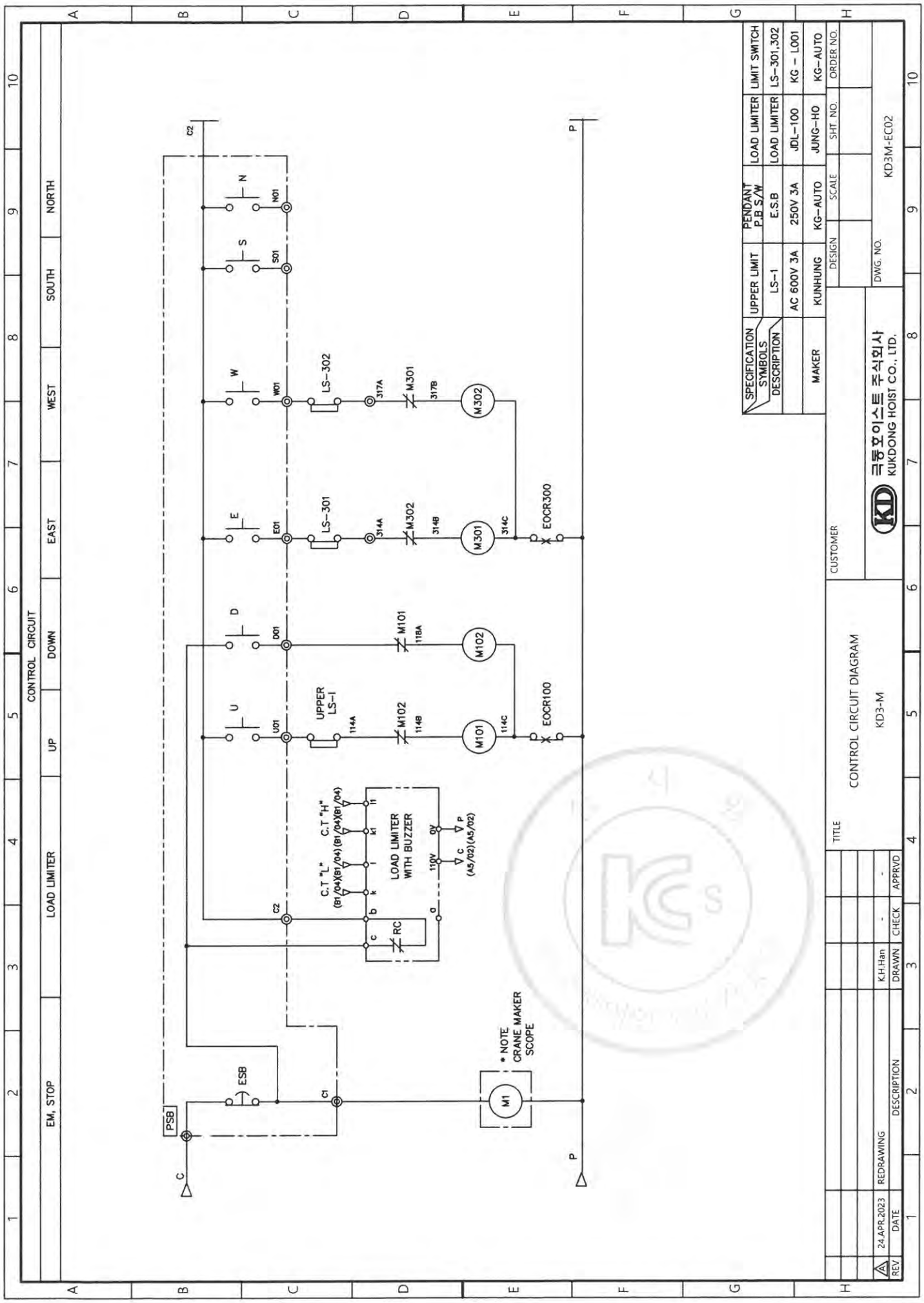
CUSTOMER

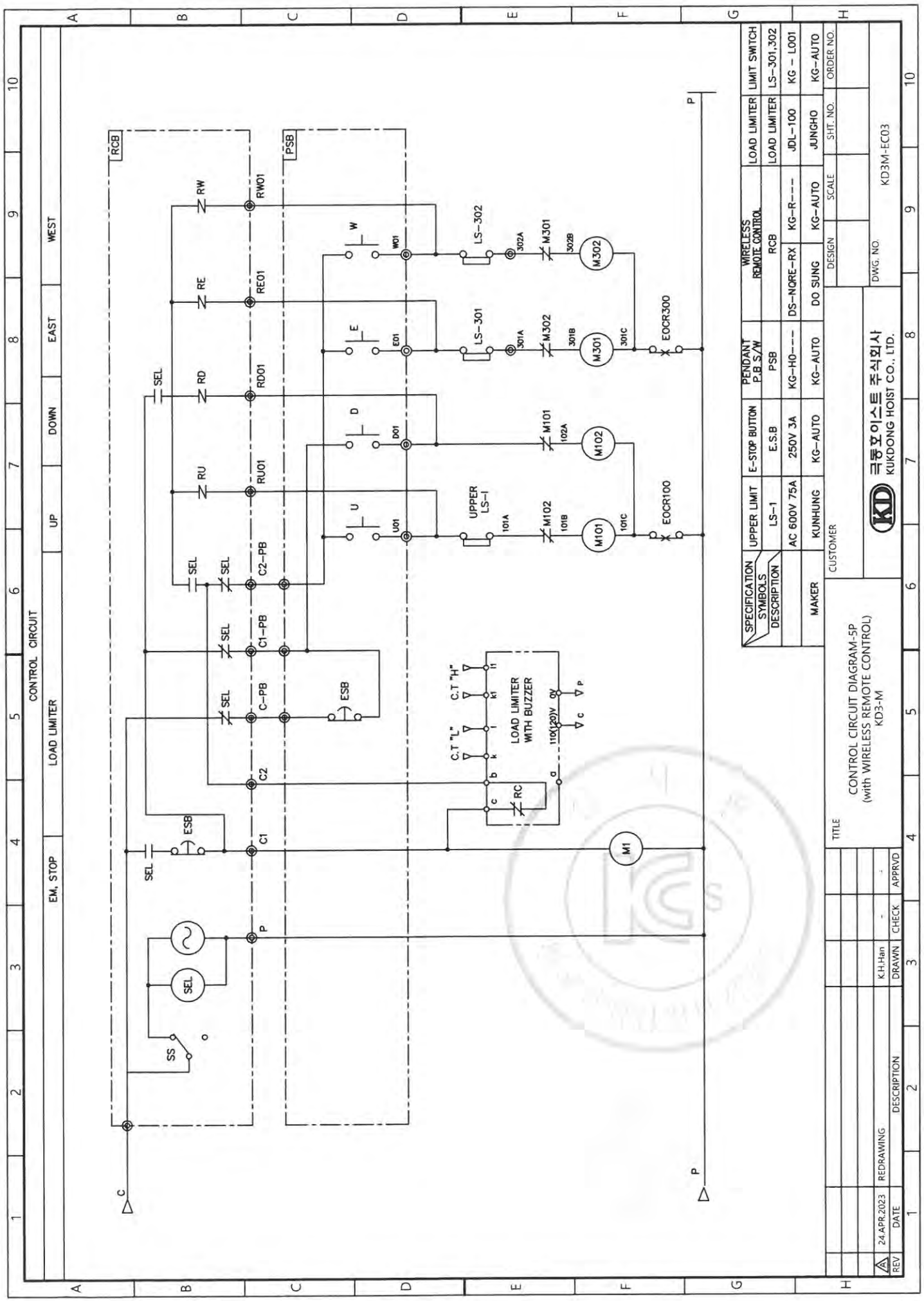
KD 큐동호이스트 주식회사 KUKDONG HOIST CO., LTD.

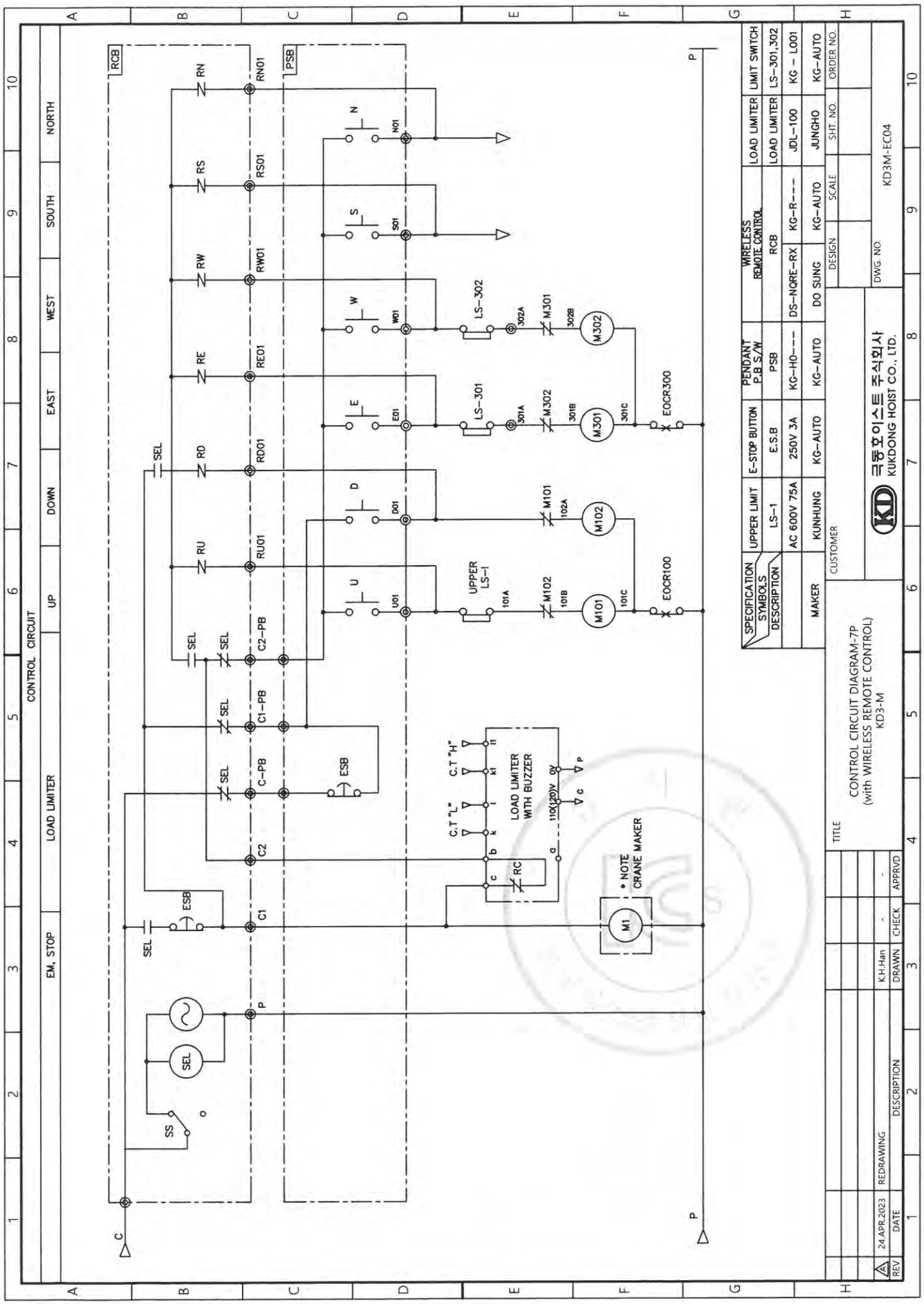
DESIGN | SCALE | SHT. NO. | ORDER NO.

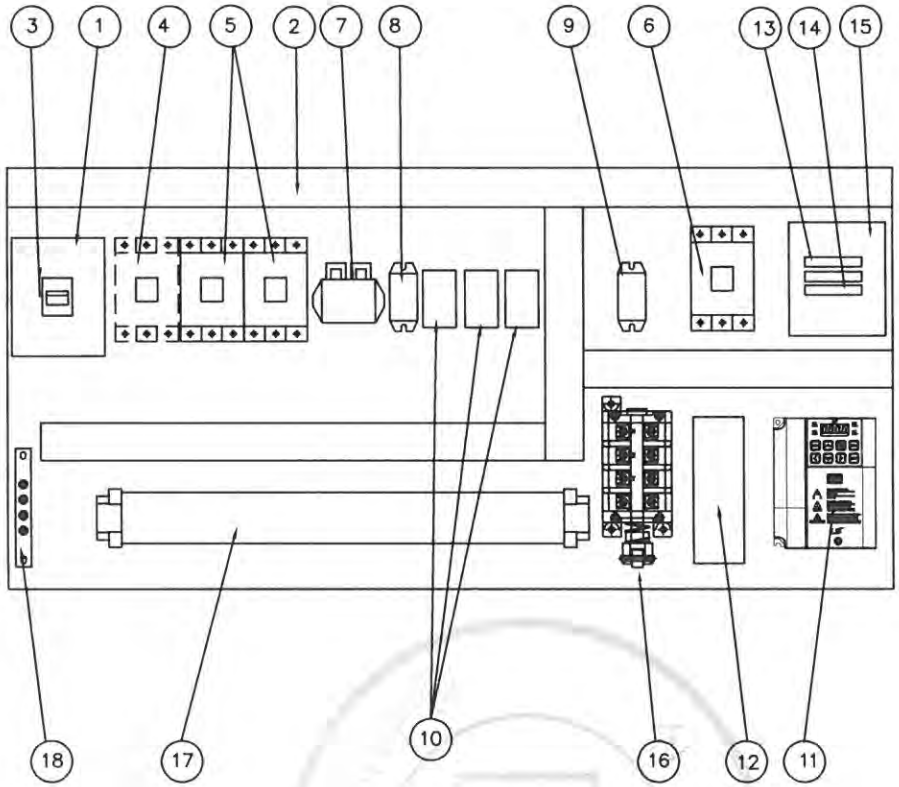
DWG. NO. KD3E64











NO	DESCRIPTION	SYMBOL	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE	–		1	아연도금
2	CABLE DUCT	–	–	1	
3	N.F.B	MCCB100	50AF/50AT (50AF/40AT	1	HOISTING
4	MAGNET CONTACTOR	M1	DMC40b (DMC32b)	1	MAIN MAG.
5	MAGNET CONTACTOR	M101,102	DMC48b (DMC40b)	2	HOISTING
6	MAGNET CONTACTOR	M301	DMC22b	1	TRAVERSING
7	E.O.C.R	EOCR100	SS-30	1	HOISTING
8	SILICON RECTIFIER	RF100	SR-60	1	HOISTING
9	SILICON RECTIFIER	RF300	SR-30	1	TRAVERSING
10	MINIRELAY	CR301,302,303	MY4	3	TRAVERSING
11	INVERTER	INV300	1UNIT : LSLV0008S100-2 2UNIT : LSLV0015S100-2	1	TRAVERSING
12	BRAKING RESISTOR	BR300	1UNIT : 150ohm 150W 2UNIT : 60ohm 300W	1	TRAVERSING
13	FUSE	F11,12	2 A	2	
14	FUSE	F13	3 A	1	
15	TRANSFORMER	TR10	220V/110V(120V), 100VA	1	
16	UPPER LIMITER	LS-I,II	AC 600V, 75A	1	
17	TERMINAL BLOCK	–	60A,35A,25A,15A		
18	EARTH TERMINAL	–	3tx20x50	1	

* ( ) : 저속 사양

N O T E

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 220V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. 전선의 색상은 다음과 같다.
   1) 흑색 : 고류 및 직류 전원선로
   2) 적색 : 고류제어선
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
5. CABLE MATERIAL : ┌ KIV OR EQUIVALENT
   └ MIN SIZE : 1.5sq
6. 제어용 전선 : 1.5mm KIV,HIV
7. 제작시 다소 변경 될수있음.
8. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	19.JAN.2023	REDRAWING	K.H.Han	-	-

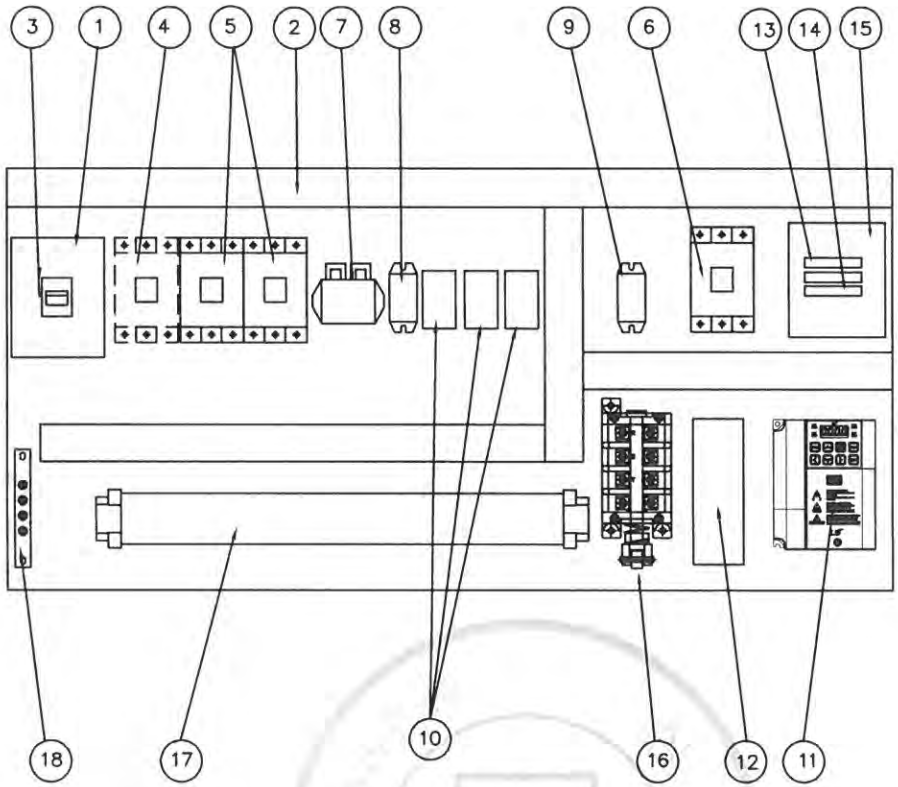
TITLE
HOIST CONTROL BOX (T/S INVERTER)
ARRANGEMENT DRAWING

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-BA22



NO	DESCRIPTION	SYMBOL	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE	–		1	아연도금
2	CABLE DUCT	–	–	1	
3	N.F.B	MCCB100	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	M1	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	M101,102	DMC32b	2	HOISTING
6	MAGNET CONTACTOR	M301	DMC22b	1	TRAVERSING
7	E.O.C.R	EOCR100	SS-30	1	HOISTING
8	SILICON RECTIFIER	RF100	SR-60	1	HOISTING
9	SILICON RECTIFIER	RF300	BD-SR60E	1	TRAVERSING
10	MINIRELAY	CR301,302,303	MY4	3	TRAVERSING
11	INVERTER	INV300	1UNIT : LSLV0008S100-4 2UNIT : LSLV0015S100-4	1	TRAVERSING
12	BRAKING RESISTOR	BR300	1UNIT : 600ohm 150W 2UNIT : 300ohm 300W	1	TRAVERSING
13	FUSE	F11,12	1 A	2	
14	FUSE	F13	3 A	1	
15	TRANSFORMER	TR10	380V/110V(120V), 100VA	1	
16	UPPER LIMITER	LS-I,II	AC 600V, 75A	1	
17	TERMINAL BLOCK	–	35A,25A,15A		
18	EARTH TERMINAL	–	3tx20x50	1	
19					
20					
21					

NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. 전선의 색상은 다음과 같다.
   1) 흑색 : 교류 및 직류 전원선로
   2) 적색 : 교류제어선
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
5. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 1.5sq
6. 제어용 전선 : 1.5mm KIV,HIV
7. 제작시 다소 변경 될수있음.
8. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
1	19.JAN.2023	REDRAWING	K.H.Han	-	-

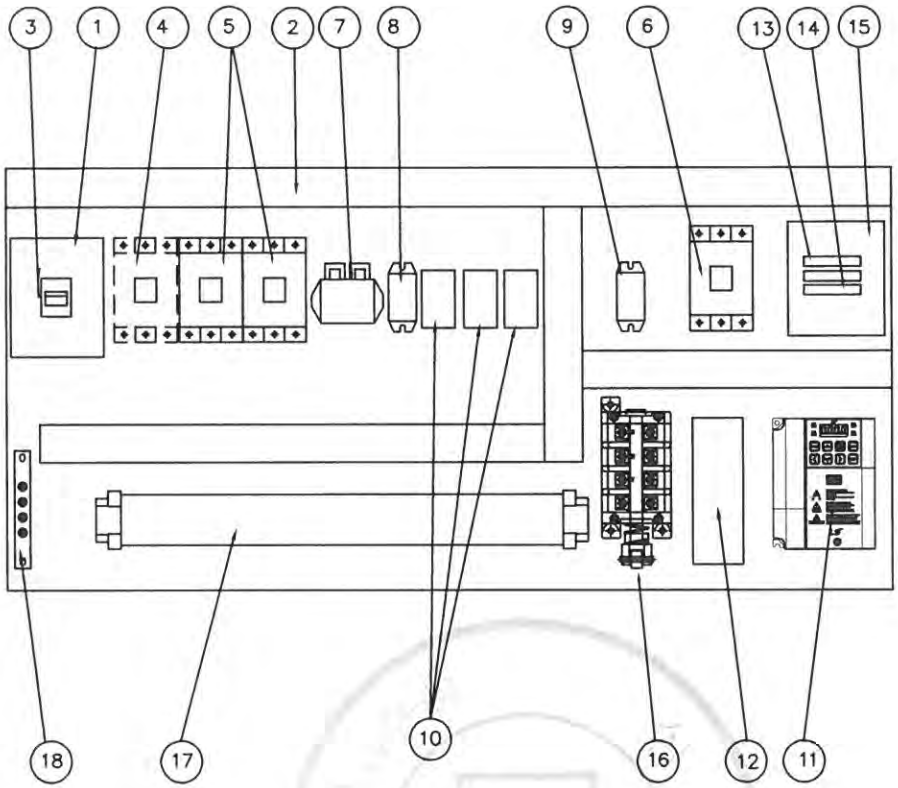
TITLE: HOIST CONTROL BOX (T/S INVERTER)
ARRANGEMENT DRAWING

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-BA32



NO	DESCRIPTION	SYMBOL	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE	–		1	아 연 도 금
2	CABLE DUCT	–	–	1	
3	N.F.B	MCCB100	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	M1	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	M101,102	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	M301	DMC22b	1	TRAVERSING
7	E.O.C.R	EOCR100	SS-30	1	HOISTING
8	SILICON RECTIFIER	RF100	SR-60	1	HOISTING
9	SILICON RECTIFIER	RF300	BD-SR60E	1	TRAVERSING
10	MINIRELAY	CR301,302,303	MY4	3	TRAVERSING
11	INVERTER	INV300	1UNIT : LSLV0008S100-4 2UNIT : LSLV0015S100-4	1	TRAVERSING
12	BRAKING RESISTOR	BR300	1UNIT : 600ohm 150W 2UNIT : 300ohm 300W	1	TRAVERSING
13	FUSE	F11,12	1 A	2	
14	FUSE	F13	3 A	1	
15	TRANSFORMER	TR10	440V/110V(120V), 100VA	1	
16	UPPER LIMITER	LS-I,II	AC 600V, 75A	1	
17	TERMINAL BLOCK	–	35A,25A,15A		
18	EARTH TERMINAL	–	3tx20x50	1	
19					
20					
21					

N O T E

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. 전선의 색상은 다음과 같다.
   1) 흑색 : 교류 및 직류 전원선로
   2) 적색 : 교류제어선
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
5. CABLE MATERIAL : KIV OR EQUIVALENT, MIN SIZE : 1.5sq
6. 제어용 전선 : 1.5mm KIV,HIV
7. 제작시 다소 변경 될수있음.
8. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	19.JAN.2023	REDRAWING	K.H.Han	-	-

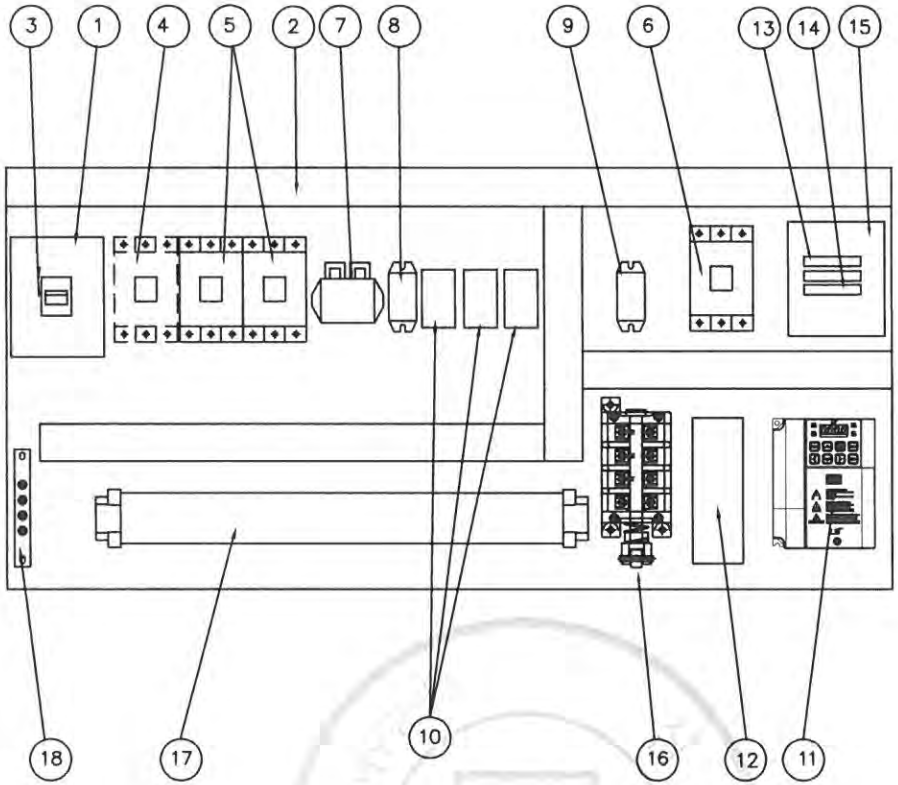
TITLE: HOIST CONTROL BOX (T/S INVERTER)
ARRANGEMENT DRAWING

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-BA42



NO	DESCRIPTION	SYMBOL	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE	–		1	아 연 도 금
2	CABLE DUCT	–	–	1	
3	N.F.B	MCCB100	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	M1	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	M101,102	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	M301	DMC22b	1	TRAVERSING
7	E.O.C.R	EOCR100	SS-30	1	HOISTING
8	SILICON RECTIFIER	RF100	SR-60	1	HOISTING
9	SILICON RECTIFIER	RF300	BD-SR60E	1	TRAVERSING
10	MINIRELAY	CR301,302,303	MY4	3	TRAVERSING
11	INVERTER	INV300	1UNIT : LSLV0008S100-4 2UNIT : LSLV0015S100-4	1	TRAVERSING
12	BRAKING RESISTOR	BR300	1UNIT : 600ohm 150W 2UNIT : 300ohm 300W	1	TRAVERSING
13	FUSE	F11,12	1 A	2	
14	FUSE	F13	3 A	1	
15	TRANSFORMER	TR10	460V/110V(120V), 100VA	1	
16	UPPER LIMITER	LS-I,II	AC 600V, 75A	1	
17	TERMINAL BLOCK	–	35A,25A,15A		
18	EARTH TERMINAL	–	3tx20x50	1	
19					
20					
21					

N O T E

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 460V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. 전선의 색상은 다음과 같다.
   1) 흑색 : 고류 및 직류 전원선로
   2) 적색 : 고류제어선
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
5. CABLE MATERIAL : KIV OR EQUIVALENT / MIN SIZE : 1.5sq
6. 제어용 전선 : 1.5mm KIV,HIV
7. 제작시 다소 변경 될수있음.
8. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	19JAN.2023	REDRAWING	K.H.Han	-	-

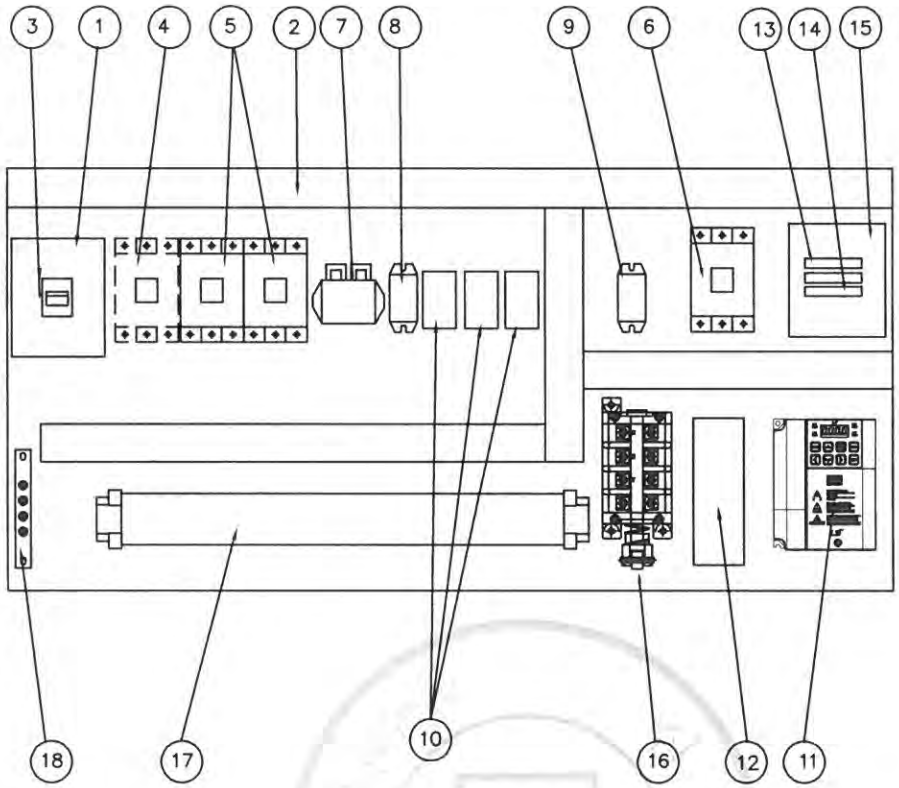
TITLE: HOIST CONTROL BOX (T/S INVERTER)
ARRANGEMENT DRAWING

CUSTOMER

KD 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-BA52



NO	DESCRIPTION	SYMBOL	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE	–		1	아 연 도 금
2	CABLE DUCT	–	–	1	
3	N.F.B	MCCB100	30AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	M1	DMC22b	1	MAIN MAG.
5	MAGNET CONTACTOR	M101,102	DMC22b	2	HOISTING
6	MAGNET CONTACTOR	M301	DMC22b	1	TRAVERSING
7	E.O.C.R	EOCR100	SS–30	1	HOISTING
8	SILICON RECTIFIER	RF100	SR–60	1	HOISTING
9	SILICON RECTIFIER	RF300	BD–SR60E	1	TRAVERSING
10	MINIRELAY	CR301,302,303	MY4	3	TRAVERSING
11	INVERTER	INV300	1UNIT : LSLV0008S100–4 2UNIT : LSLV0015S100–4	1	TRAVERSING
12	BRAKING RESISTOR	BR300	1UNIT : 600ohm 150W 2UNIT : 300ohm 300W	1	TRAVERSING
13	FUSE	F11,12	1 A	2	
14	FUSE	F13	3 A	1	
15	TRANSFORMER	TR10	480V/110V(120V), 100VA	1	
16	UPPER LIMITER	LS–I,II	AC 600V, 75A	1	
17	TERMINAL BLOCK	–	35A,25A,15A		
18	EARTH TERMINAL	–	3tx20x50	1	
19					
20					
21					

N O T E

1. UPPER LIMIT LS–1,LS–2의 접점 허용 전류 용량. : AC 600V, 75A
2. POWER SOURCE : AC. 3ø 480V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. 전선의 색상은 다음과 같다.
   1) 흑색 : 고류 및 직류 전원선로
   2) 적색 : 고류제어선
   3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
   4) 녹색 또는 녹색과 황색 혼용 : 접지선
   5) 청색 : 직류 제어선로
5. CABLE MATERIAL : KIV OR EQUIVALENT / MIN SIZE : 1.5sq
6. 제어용 전선 : 1.5mm KIV,HIV
7. 제작시 다소 변경 될수있음.
8. 외함 개방구조는 다음과 같을것.
   1) 외함 개방시 충전부분이 차단되도록 할것.
   2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	19.JAN.2023	REDRAWING	K.H.Han	-	-

TITLE: HOIST CONTROL BOX (T/S INVERTER) ARRANGEMENT DRAWING

CUSTOMER

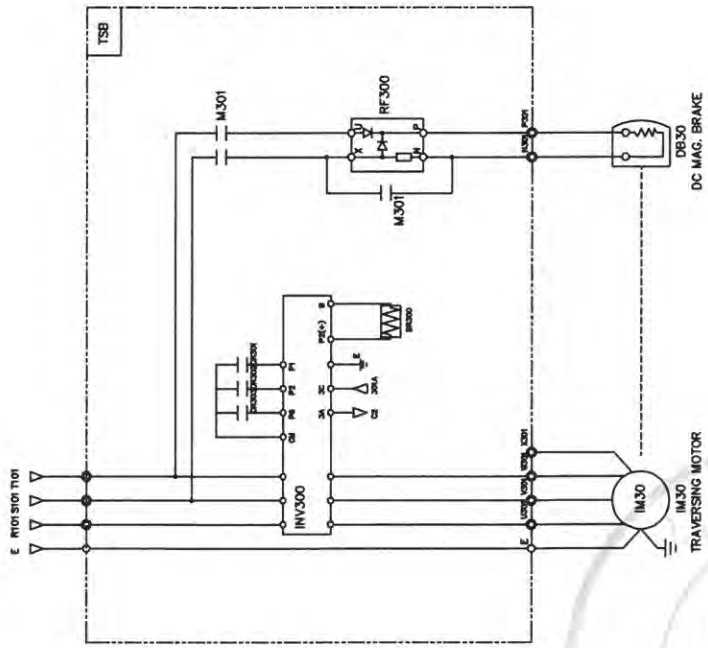
KD 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO. KD3M-BA62

TRAVERSING MOTION

POWER CIRCUIT DIAGRAM



SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG' BRAKE	BRAKING RESISTOR	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	LIMIT S/W
		IM 30	DB30	BR300	M301	CR301,302,303	INV300	RF300	LS-301,302
	AC 3PH 220V 60Hz	0.75KW x 4P	DC 100V	150ohm 150W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0008S100-2	SR-30	KG-L001
	AC 3PH 380(440,460,480)V 60Hz	0.75KW x 4P	DC 100V	600ohm 150W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0008S100-4	BD-SR60E	KG-L001
	AC 3PH 220V 60Hz	0.5KW x 6P	DC 100V	150ohm 150W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0008S100-2	SR-30	KG-L001
	AC 3PH 380(440,460,480)V 60Hz	0.5KW x 6P	DC 100V	600ohm 150W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0008S100-4	BD-SR60E	KG-L001
SELECTION / MAKER	KUK DONG HOIST						LS	ASCO/BANDO FA	KG-AUTO

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-

TITLE: TRAVERSING CIRCUIT DIAGRAM (INVERTER CONTROL) KD3-M

CUSTOMER

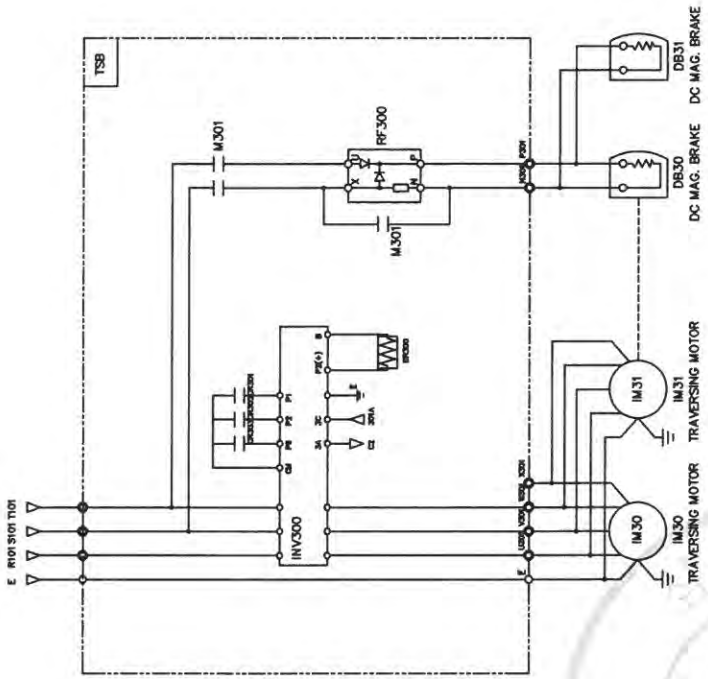
극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

DESIGN | SCALE | SHT. NO. | ORDER NO.

DWG. NO. KD3EI001

TRAVERSING MOTION

POWER CIRCUIT DIAGRAM



SPECIFICATION / SYMBOLS / DESCRIPTION	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG' BRAKE	BRAKING RESISTOR	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	LIMIT S/W
		IM 30,31	DB30,31	BR300	MJ301	CR301,302,303	INV300	RF300	LS-301,302
	AC 3PH 220V 60Hz	0.75KW x 4P	DC 100V	60ohm 300W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0015S100-2	SR-30	KG-L001
	AC 3PH 380(440,460,480)V 60Hz	0.75KW x 4P	DC 100V	300ohm 300W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0015S100-4	BD-SR60E	KG-L001
	AC 3PH 220V 60Hz	0.5KW x 6P	DC 100V	60ohm 300W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0015S100-2	SR-30	KG-L001
	AC 3PH 380(440,460,480)V 60Hz	0.5KW x 6P	DC 100V	300ohm 300W	DMC22b	MINI 4a4b(Coil AC110V)	LSLV0015S100-4	BD-SR60E	KG-L001
SELECTION / MAKER	KUK DONG HOIST						LS	ASECO/BANDO FA	KG-AUTO

CUSTOMER

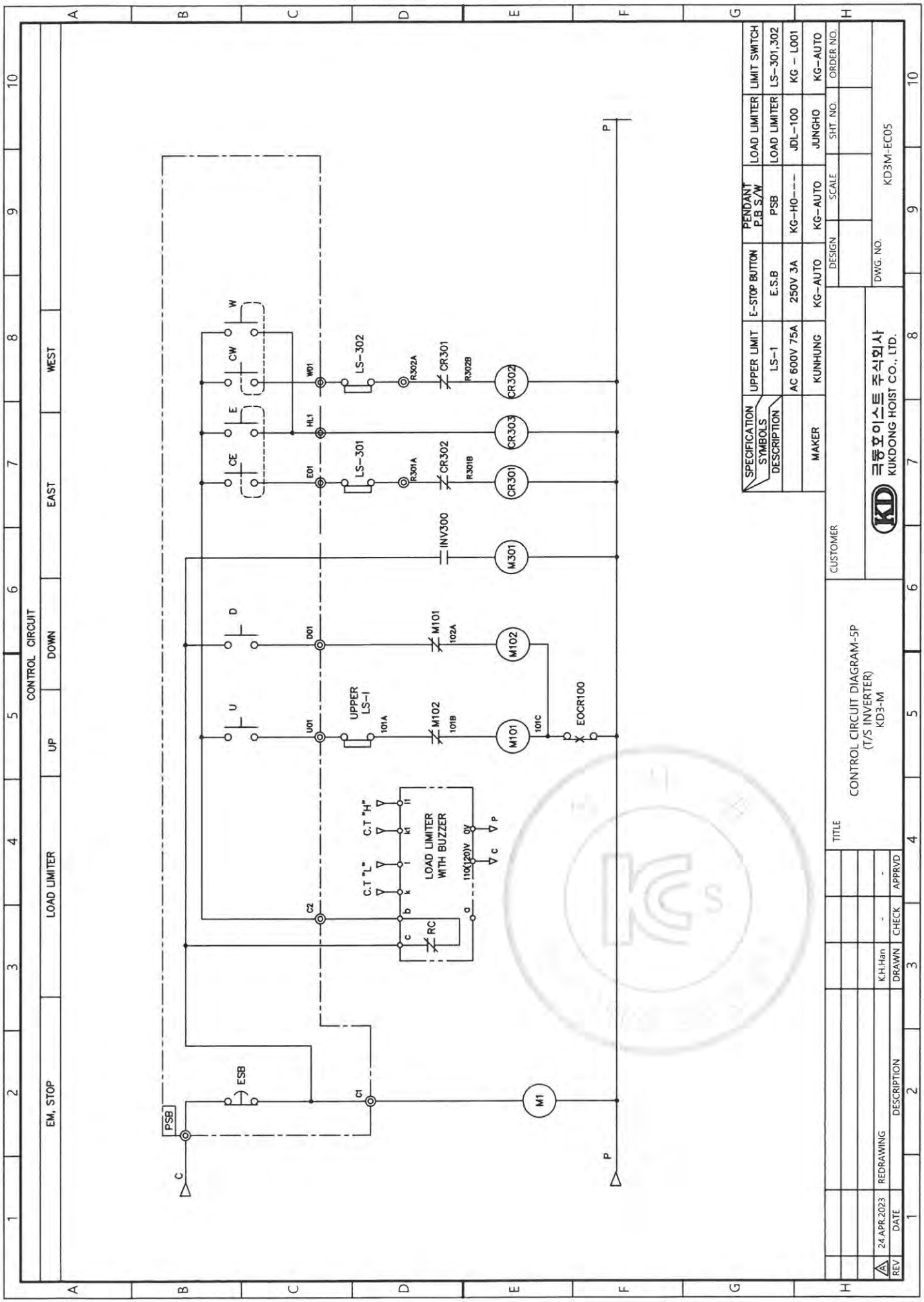
TITLE: TRAVERSING CIRCUIT DIAGRAM (INVERTER CONTROL) KD3-M

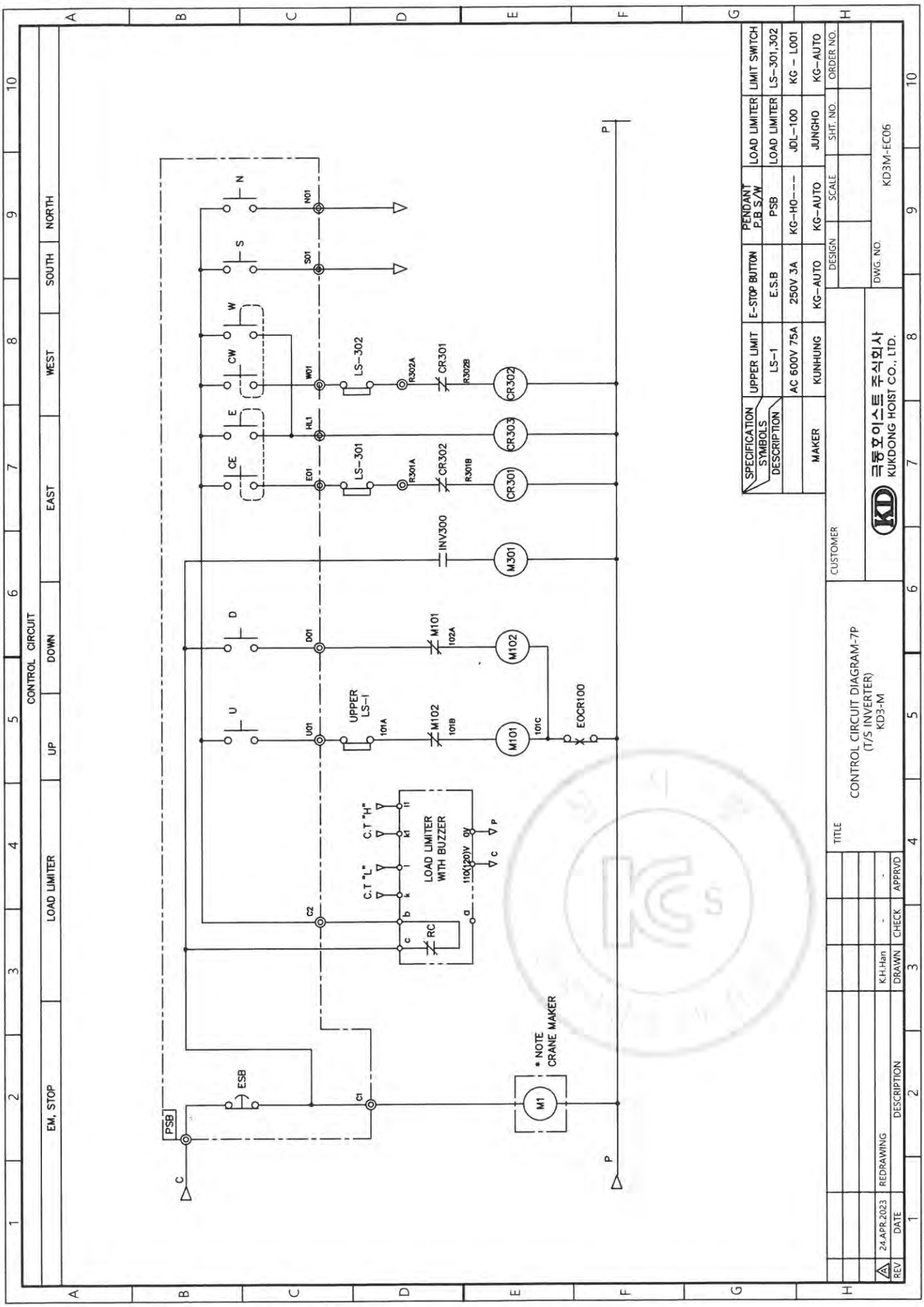
극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

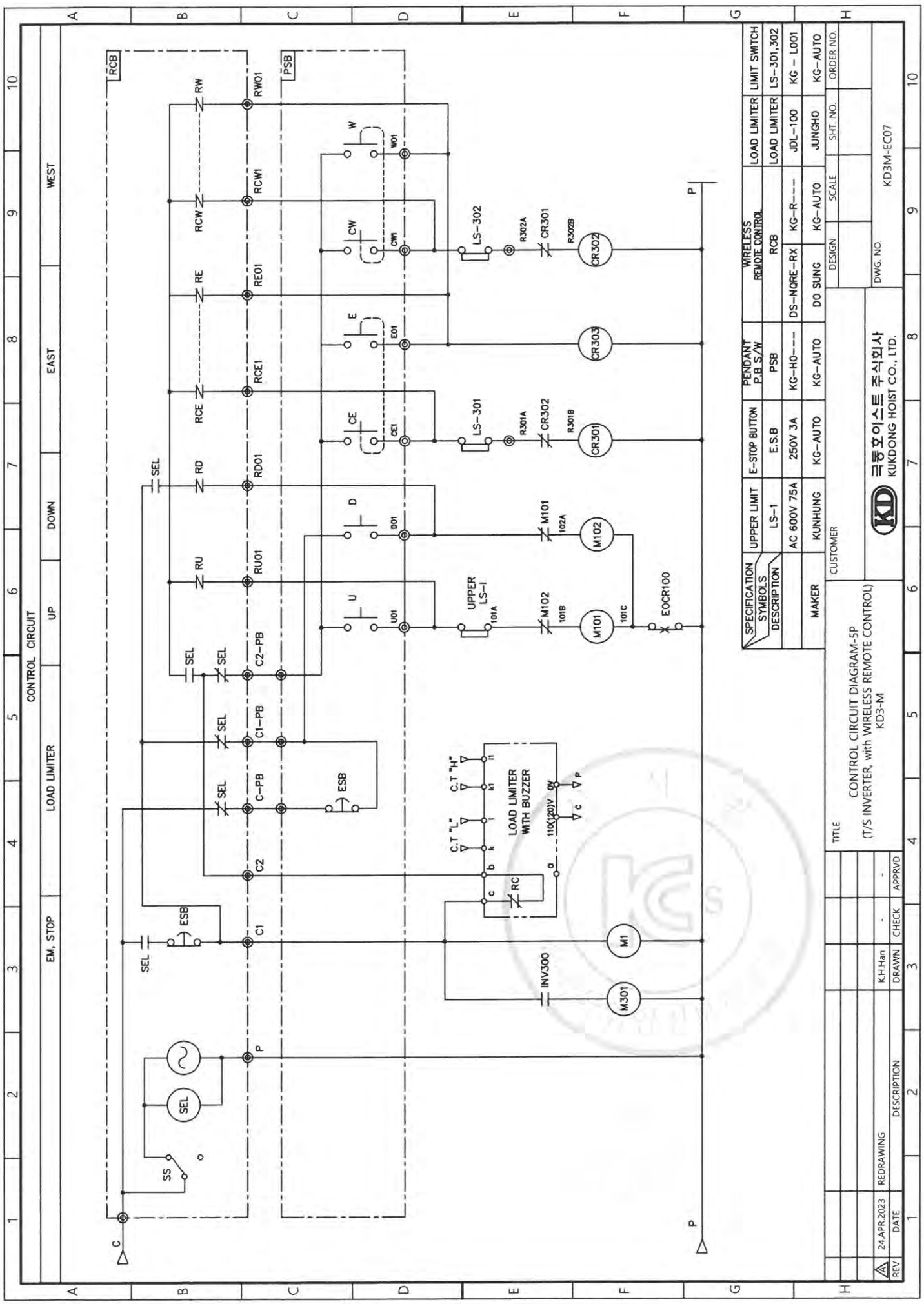
DESIGN | SCALE | SHT. NO. | ORDER NO.

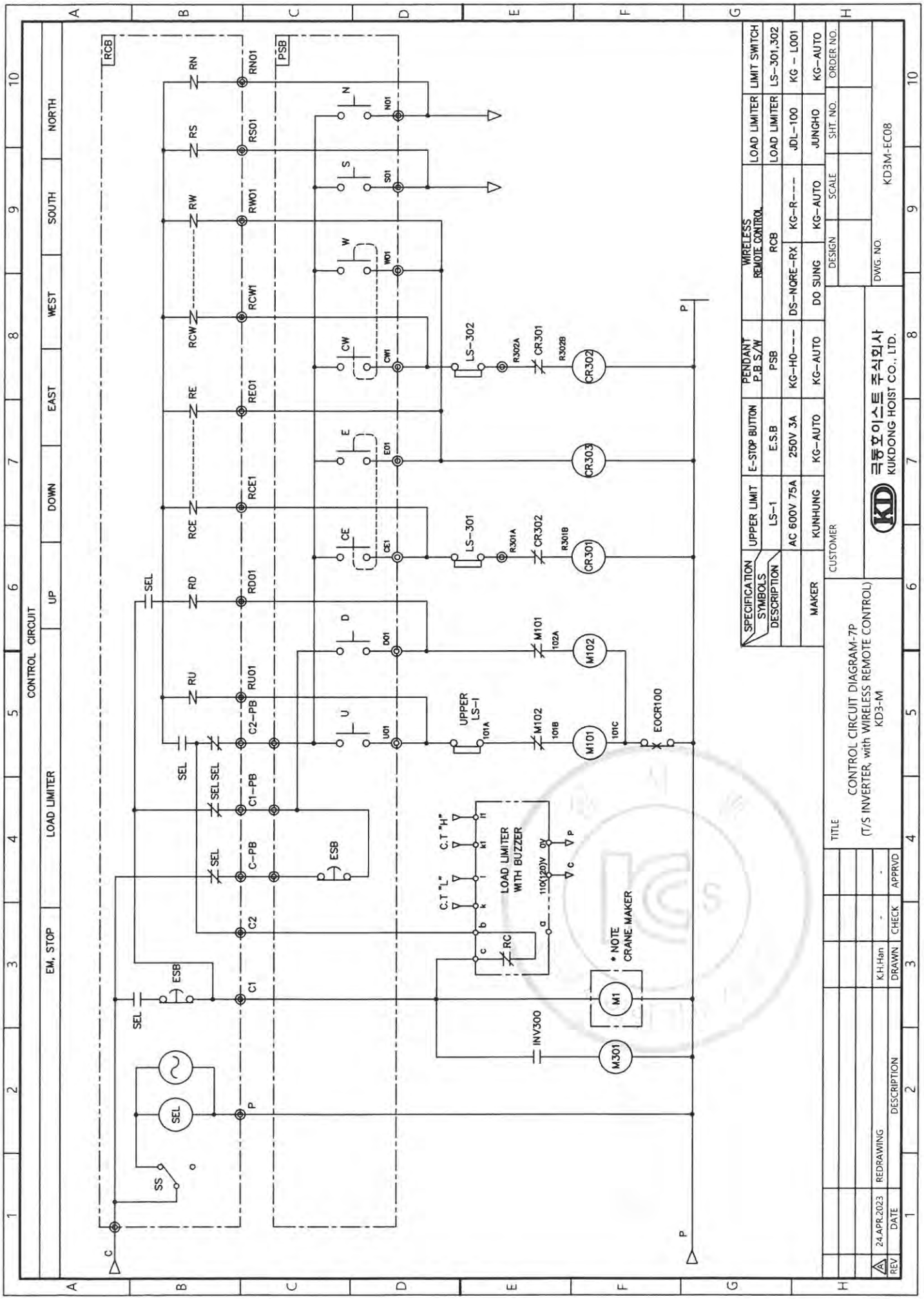
DWG. NO. KD3EI002

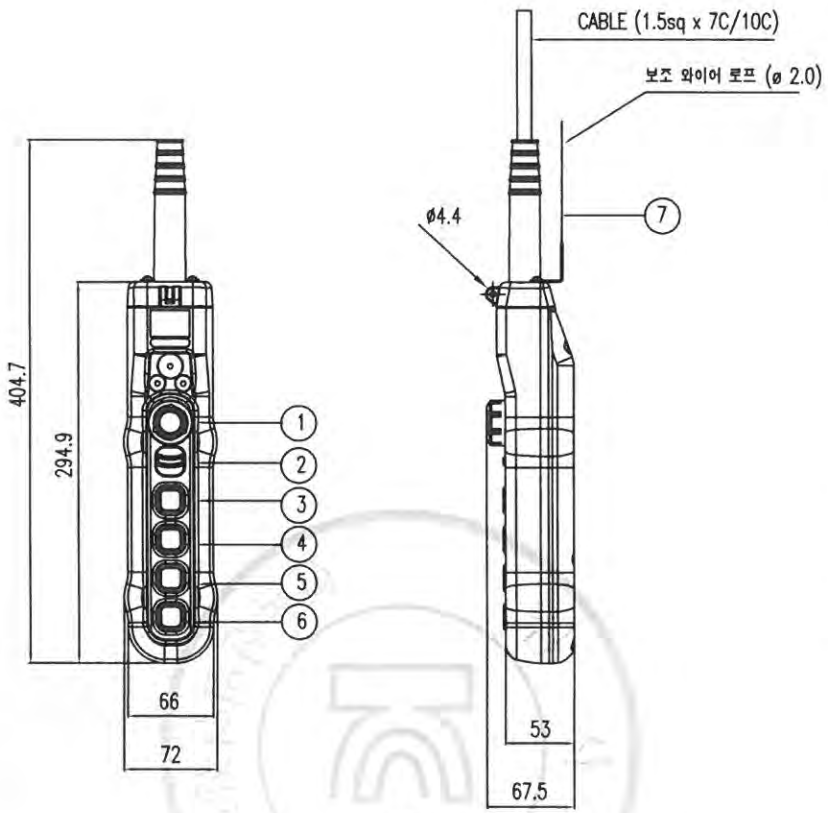
REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	06.APR.2020	REDRAWING	K.H.Han	-	-











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

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

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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	05.AUG.2016	REDRAWING	K.H.Han	-	-

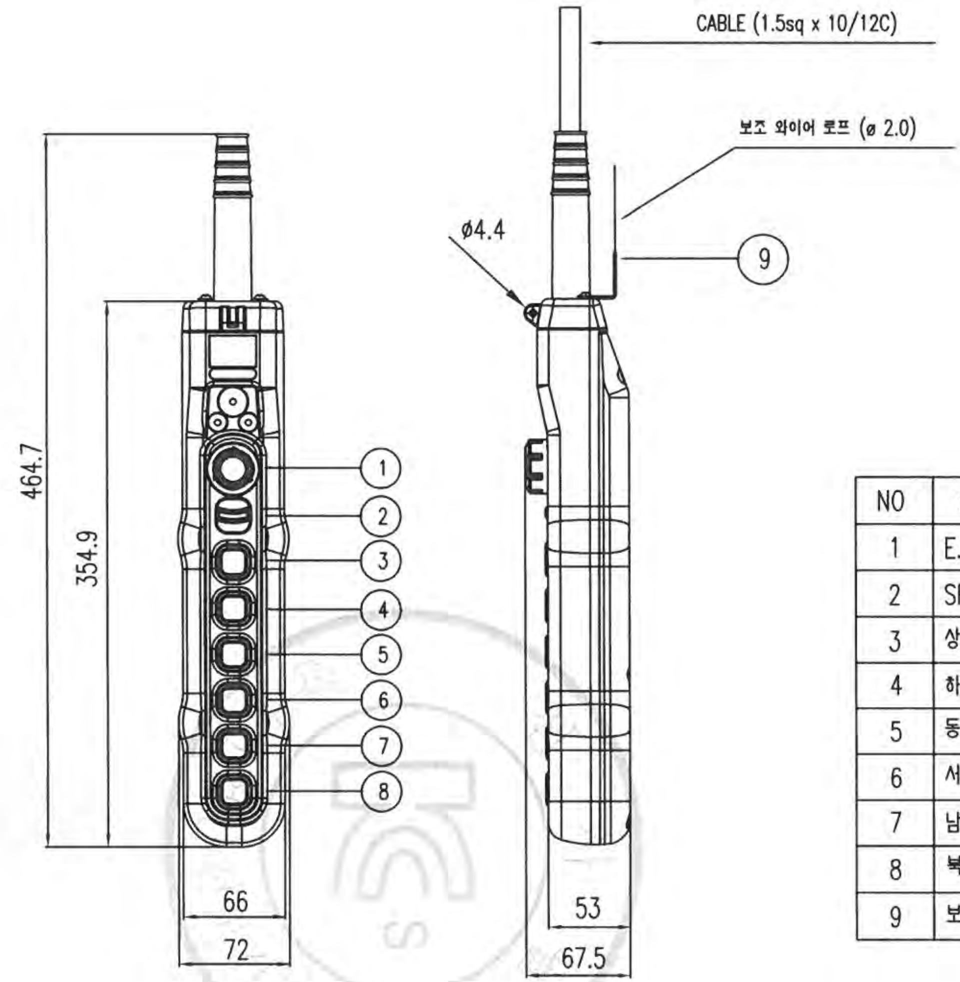
TITLE: PENDANT PUSH BUTTON SWITCH
LAY OUT

CUSTOMER

극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO.



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

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

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

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
	05.AUG.2016	REDRAWING	K.H.Han	-	-

TITLE: PENDANT PUSH BUTTON SWITCH

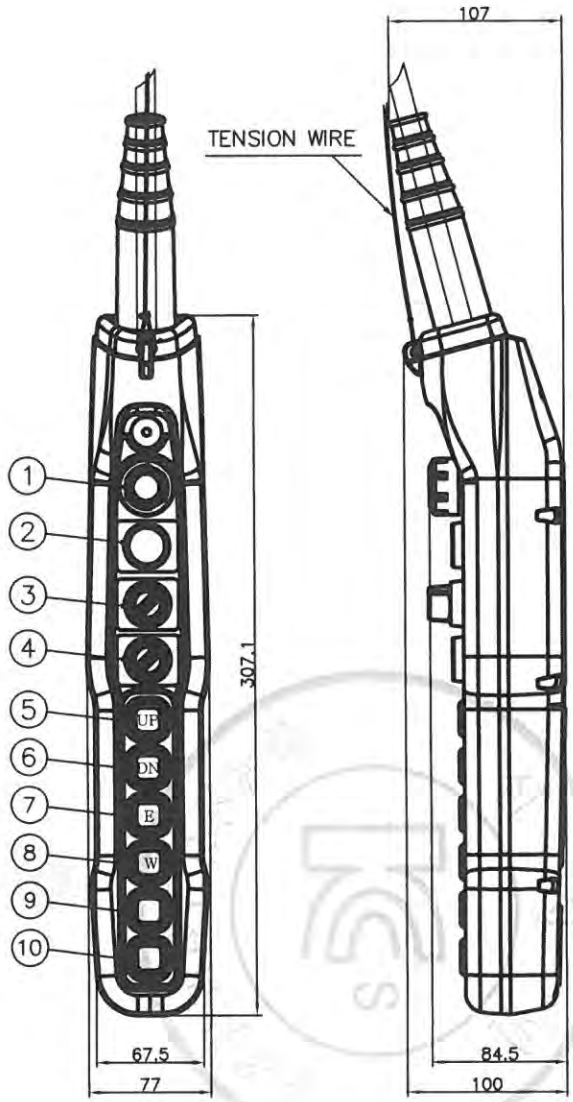
LAY OUT

CUSTOMER:

KD 극동호이스트 주식회사 KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

DWG. NO.



NO	SYMBOL	NAME	REMARK
N1	EBS	EMERGENCY STOP	
N2	-	SPARE	
N3	SS1	SELECT (LOCAL / REMOTE)	
N4	-	SPARE	
N5	U	UP	2STEP
N6	D	DOWN	2STEP
N7	E	EAST	
N8	W	WEST	
N9	-	SPARE	
N10	-	SPARE	

NOTE

1. MATERIAL : ABS
2. COLOR : YELLOW
3. CONTACTOR : AC 250V 6A
4. CABLE : VCT 1.5sq x 12C

REV	DATE	DESCRIPTION	DRAWN	CHECK	APPRVD
A	17.DEC.2021	FIRST ISSUE	K.H.Han	-	-

TITLE: PENDANT SWITCH
KG-H10E-M-CA-

CUSTOMER

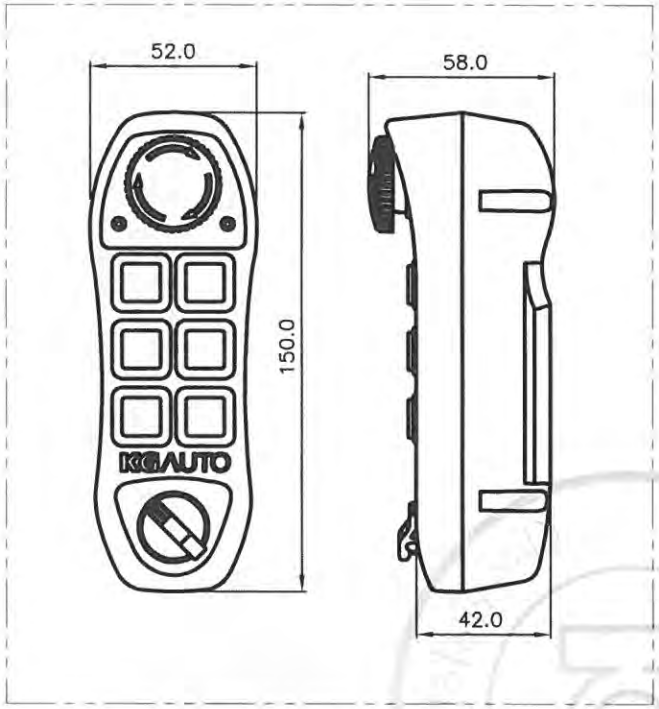
KD 극동호이스트 주식회사
KUKDONG HOIST CO., LTD.

DESIGN	SCALE	SHT. NO.	ORDER NO.

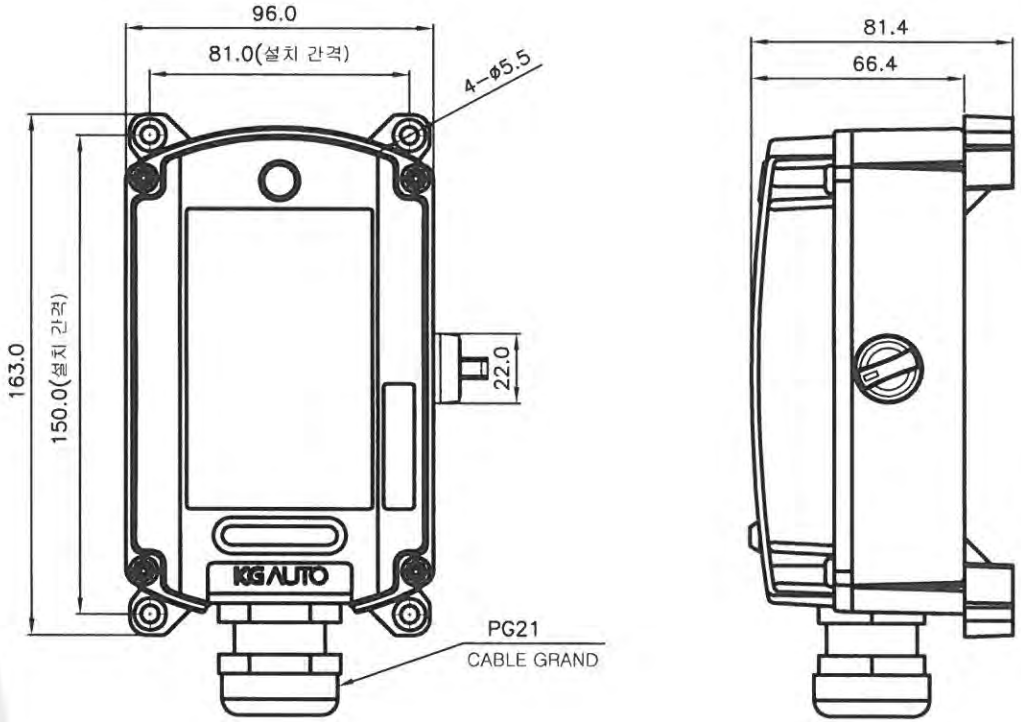
DWG. NO.

NO.	DATE	REVISION NOTE	APPROVED BY

송신기



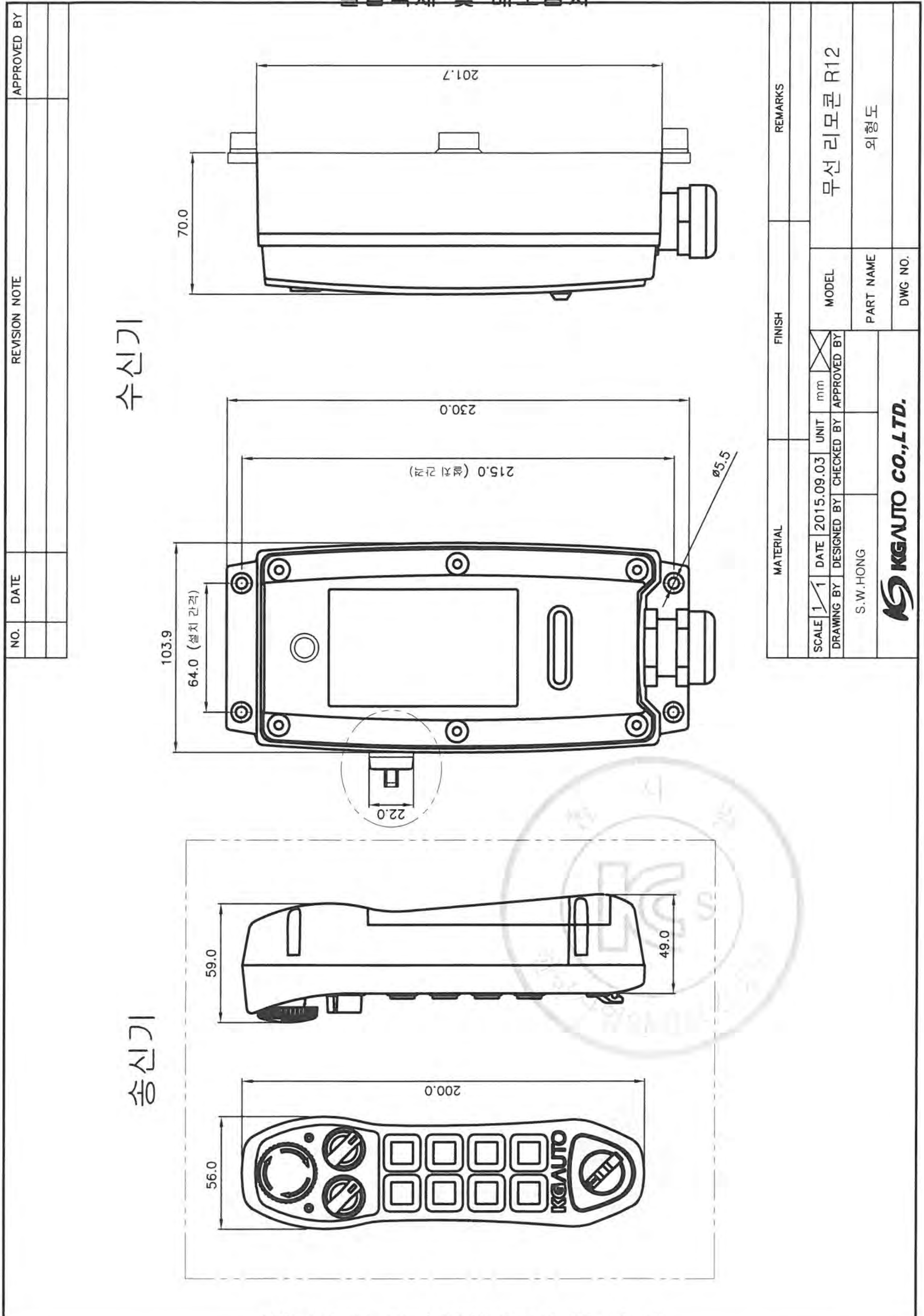
수신기



MATERIAL	FINISH	REMARKS

SCALE	1/1	DATE	2015.09.03	UNIT	mm	MODEL	무선 리모콘 R08
DRAWING BY		DESIGNED BY		CHECKED BY	APPROVED BY	PART NAME	외형도
S.W.HONG						DWG NO.	

KGAUTO CO.,LTD.



I-BEAM 계산서

I-BEAM 최대지지거리

☞ 최대지지거리 판정결과

I-BEAM 규격	최대 지지거리 (cm)	처짐량 판정1 > 800	처짐량 판정2 >1000	굽힘응력(kg/㎠) < 1159
150×125×t8.5/14	210	1070.6	1084.3	1110.1
180×100×t6/10	160	1761.2	1772.4	1107.4
200×100×t7/10	180	1805.5	1819.7	1090.3
200×150×t9/16	340	1018.8	1048.2	981.6
250×125×t7.5/12.5	340	1191.3	1217.5	1125.5
250×125×t10/19	440	985.3	1025.9	1042.7
300×150×t8/13	490	1031.6	1072.8	1129.9
300×150×t10/18.5	580	964	1025.7	1007
300×150×t11.5/22	630	930.4	1006.3	959.1
350×150×t9/15	620	1012.5	1074.4	1138
350×150×t12/24	770	922.2	1026.5	989.3
400×150×t10/18	770	1010.1	1104.4	1148
400×150×t12.5/25	920	886	1017.6	1084.4

☞ 기본 조건

정격하중 (Kg)	양정 (m)	권상속도 (m/min)	호이스트		작업계수	풍력계수
			자중 (Kg)	풍압면적 (㎡)		
3000	36	9	710	1.12	1.14	1.2

*첨부 강도계산서 참조

[I-BEAM 최대 지지거리 강도계산서]

1. 굽힘 MOMENT 계산

1-1. 수직하중에 의한 굽힘 MOMENT

빔 자중에 의한 MOMENT : $Ms = \dfrac{\phi \times \text{BEAM자중(등분포하중)} \times \text{지지거리}}{8}$ (kg · cm)

※ 작업계수(ϕ) = 1.14

※ BEAM 자중 (kg) = BEAM 단위중량(kg/cm) x 지지거리(cm)

이동하중에 의한 MOMENT : $Md = \dfrac{\phi \times \Psi \times \text{이동하중} \times \text{지지거리}}{4}$ (kg · cm)

※ 이동하중 (kg) = 정격하중 + 호이스트 자중
= 3000 + 710 = 3710 (kg)

※ 충격계수(Ψ) = 1 + 0.6V (단, Ψ <1.1 이면 Ψ = 1.1, Ψ > 1.6 이면 Ψ = 1.6 으로 한다.
= 1 + (0.6 x 0.15) = 1.09 -----> 1.1

※ 권상속도(V) = $\dfrac{9}{60}$ (m/min) = 0.15 (m/sec)

수직하중에 의한 굽힘 MOMENT : ΣMv = Ms + Md

1-2. 풍하중에 의한 굽힘 MOMENT

풍하중에 의한 MOMENT : $Mw = \dfrac{\text{풍하중(W)} \times \text{지지거리}}{2}$

※풍하중 (W) = 속도압(q) x 풍력계수 x 풍압을 받는 면적 (A) (kg)
※속도압(q) : = 8.5 x $\sqrt[4]{h}$ = 20.8 (h= 양정: 36)
※풍력계수(C) = 1.2 (크레인 제작기준 참조)
※풍압을 받는 면적 (A) = I-BEAM의 풍압면적 + HOIST의 풍압면적 (㎡)
※HOIST의 풍압 면적 ≒ 1.12 (㎡)

2. 굽힘 응력 계산

2-1. 수직하중에 의한 굽힘 응력

$\sigma_v = \dfrac{\text{수직하중에 의한 굽힘MOMENT : } \Sigma Mv}{\text{단면 계수 : } Zx}$ (kg/㎠)

2-2. 풍하중에 의한 굽힘 응력

$\sigma_w = \dfrac{\text{풍하중에 의한 굽힘 MOMENT : } Mw}{\text{단면계수 : } Zy}$ (kg/㎠)

2-3.수직하중 및 풍하중에 의한 굽힘 응력

$\Sigma\sigma = \sigma_v + \sigma_w$

표1. I-BEAM 최대지지거리에 따른 굽힘응력 계산 결과

I-BEAM 규격	최대지지거리(cm)	I-BEAM		단면계수		Ms	Md	Σ Mv	I-BEAM 풍압면적 (㎡)	W (kg)	Mw (kg · cm)	σv (kg/㎠)	σw (kg/㎠)
		단위중량 (kg/cm)	자중 (kg)	Zx (㎤)	Zy (㎤)	(kg · cm)	(kg · cm)	(kg · cm)					
150 × 125 × t8.5/14	210	0.362	76.02	235	61.6	2274.90	244247.85	246522.75	0.32	35.82	3760.85	1049.03	61.05
180 × 100 × t6/10	160	0.236	37.76	186	27.5	860.93	186093.60	186954.53	0.29	35.14	2811.49	1005.13	102.24
200 × 100 × t7/10	180	0.26	46.8	217	27.7	1200.42	209355.30	210555.72	0.36	36.94	3324.67	970.30	120.02
200 × 150 × t9/16	340	0.504	171.36	446	100	8302.39	395448.90	403751.29	0.68	44.93	7637.76	905.27	76.38
250 × 125 × t7.5/12.5	340	0.383	130.22	414	53.9	6309.16	395448.90	401758.06	0.85	49.17	8359.10	970.43	155.09
250 × 125 × t10/19	440	0.555	244.2	585	86	15311.34	511757.40	527068.74	1.10	55.41	12190.46	900.97	141.75
300 × 150 × t8/13	490	0.483	236.67	632	78.4	16525.48	569911.65	586437.13	1.47	64.65	15838.37	927.91	202.02
300 × 150 × t10/18.5	580	0.655	379.9	849	118	31398.74	674589.30	705988.04	1.74	71.39	20701.82	831.55	175.44
300 × 150 × t11.5/22	630	0.768	483.84	978	143	43436.74	732743.55	776180.29	1.89	75.13	23665.82	793.64	165.50
350 × 150 × t9/15	620	0.585	362.7	870	93.5	32044.55	721112.70	753157.25	2.17	82.12	25456.70	865.70	272.26
350 × 150 × t12/24	770	0.872	671.44	1280	158	73673.75	895575.45	969249.20	2.70	95.22	36660.62	757.23	232.03
400 × 150 × t10/18	770	0.72	554.4	1200	115	60831.54	895575.45	956406.99	3.08	104.83	40360.32	797.01	350.96
400 × 150 × t12.5/25	920	0.958	881.36	1580	165	115546.30	1070038.20	1185584.50	3.68	119.81	55111.68	750.37	334.01

[I-BEAM의 처짐량(Deflection) 및 최대굽힘응력 판정 결과]

1. 처짐량 판정 1
   판정기준: $L / \sigma > 800$
   ※ $\sigma = \sigma_s + \sigma_d$

2. 처짐량 판정 2
   판정기준: $L / \sigma_d > 1000$

3. 최대굽힘응력 판정
   판정기준: $\Sigma\sigma \leq 1159$ (kg/㎠) (= SS400 허용굽힘응력 1449 x 0.8)
   ※ $\Sigma\sigma = \sigma_v + \sigma_w$

※I-BEAM 자중에 의한 처짐(σs)

$$\sigma_s = \frac{5 \times \text{I-Beam자중} \times \text{지지거리}^3}{384 \times E \times Ix}$$

※이동하중에 의한 처짐(σd)

$$\sigma_d = \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}^3}{48 \times E \times Ix}$$

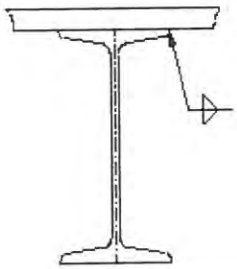
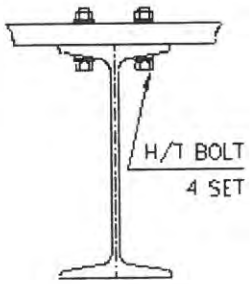
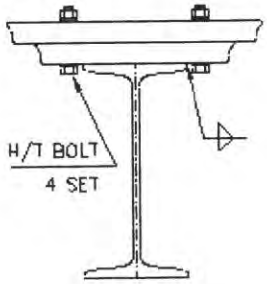
E = 종탄성계수 (2,100,000 kg/㎠)
Ix = 단면2차MOMENT

	판정기준		
	> 800	> 1000	≤ 1159

I-BEAM 규격	Ix (cm^4)	최대지지거리(cm)	σ_s (cm)	σ_d (cm)	처짐량판정1	처짐량판정2	$\Sigma\sigma$ (kg/㎠)
150×125×t8.5/14	1760	210	0.0025	0.1937	1070.6	1084.3	1110.1
180×100×t6/10	1670	160	0.0006	0.0903	1761.2	1772.4	1107.4
200×100×t7/10	2170	180	0.0008	0.0989	1805.5	1819.7	1090.3
200×150×t9/16	4460	340	0.0094	0.3244	1018.8	1048.2	981.6
250×125×t7.5/12.5	5180	340	0.0061	0.2793	1191.3	1217.5	1125.5
250×125×t10/19	7310	440	0.0176	0.4289	985.3	1025.9	1042.7
300×150×t8/13	9480	490	0.0182	0.4568	1031.6	1072.8	1129.9
300×150×t10/18.5	12700	580	0.0362	0.5654	964	1025.7	1007
300×150×t11.5/22	14700	630	0.0510	0.6261	930.4	1006.3	959.1
350×150×t9/15	15200	620	0.0353	0.5771	1012.5	1074.4	1138
350×150×t12/24	22400	770	0.0848	0.7501	922.2	1026.5	989.3
400×150×t10/18	24100	770	0.0651	0.6972	1010.1	1104.4	1148
400×150×t12.5/25	31700	920	0.1342	0.9041	886	1017.6	1084.4

▣ I-BEAM의 고정방법 및 사양

1. I-BEAM의 고정방법

용접구조	BOLT 체결구조	복합구조
		

2. 기본조건 및 사양

* 용접이음의 허용응력(필렛용접 효율 포함) : 560kg/㎠
* 필렛 용접효율 : 80%
* H/T BOLT의 허용 인장응력 : 2,500kg/㎠

단위: mm

정격하중(Kg)	용접구조		BOLT 체결구조
	최소 용접두께	최소 용접길이	최소 BOLT SIZE
3000	6	150	M12 x 4

단, 적용 I-BEAM 400×150×t10/18 의 경우임

※강도계산서 참조

[I-BEAM 고정볼트 강도 및 용접강도 계산서]

1) I-BEAM 고정방법중 BOLT구조의 강도 계산

[H/T BOLT의 허용인장응력 : 2500 kg/㎠]

☞ 작용하중 계산

$P = \Psi \times (Q+Q1) + \phi \times Q2$

충격계수 Ψ =	1.1
작업계수 φ =	1.14
정격하중 Q =	3000
HOIST자중 Q1 =	710

☞ BOLT 1 개당 인장강도 계산

$$\sigma = \frac{P}{A} = 4 \times \frac{P}{(\pi \times d2 \times z)}$$

※ 판정기준: $\sigma < 2500$ kg/㎠

BEAM 규격	BEAM자중 (kg)	하중 P(kg)	BOLT 규격	BOLT수	BOLT 단면적 (㎠)	BOLT강도
150×125×t8.5/14	76.02	4167.7	M12	4	1.13	922.1
180×100×t6/10	37.76	4124	M12	4	1.13	912.4
200×100×t7/10	46.8	4134.4	M12	4	1.13	914.7
200×150×t9/16	171.36	4276.4	M12	4	1.13	946.1
250×125×t7.5/12.5	130.22	4229.5	M12	4	1.13	935.7
250×125×t10/19	244.2	4359.4	M12	4	1.13	964.5
300×150×t8/13	236.67	4350.8	M12	4	1.13	962.6
300×150×t10/18.5	379.9	4514.1	M12	4	1.13	998.7
300×150×t11.5/22	483.84	4632.6	M12	4	1.13	1024.9
350×150×t9/15	362.7	4494.5	M12	4	1.13	994.4
350×150×t12/24	671.44	4846.4	M12	4	1.13	1072.2
400×150×t10/18	554.4	4713	M12	4	1.13	1042.7
400×150×t12.5/25	881.36	5085.8	M12	4	1.13	1125.2

2) I-BEAM 고정방법중 용접구조의 강도 계산

[용접이음의 허용응력: 560 kg/㎟]

☞ 용접강도 계산

$$\sigma w = \frac{P}{0.707 \times t \times 2 \times l} \quad kg/㎟$$

※ 판정기준: σw < 560 kg/㎟

BEAM 규격	하중 P(kg)	용접두께 t(cm)	용접길이 l(cm)	용접강도 σw(kg/㎟)
150×125×t8.5/14	4167.7	0.6	12.5	393
180×100×t6/10	4124	0.6	10	486.1
200×100×t7/10	4134.4	0.6	10	487.3
200×150×t9/16	4276.4	0.6	15	336
250×125×t7.5/12.5	4229.5	0.6	12.5	398.8
250×125×t10/19	4359.4	0.6	12.5	411.1
300×150×t8/13	4350.8	0.6	15	341.9
300×150×t10/18.5	4514.1	0.6	15	354.7
300×150×t11.5/22	4632.6	0.6	15	364
350×150×t9/15	4494.5	0.6	15	353.2
350×150×t12/24	4846.4	0.6	15	380.8
400×150×t10/18	4713	0.6	15	370.3
400×150×t12.5/25	5085.8	0.6	15	399.6

Ⅳ. 참고자료

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3¢ 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	
0.5 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.8 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.4 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
1 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.8 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
2 TON	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.1 A	
	2.5KW x 6P	12.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.2 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.6 A	
2.8 TON	2.5KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.5 A	
	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.1 A	
3 TON	2.8KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.5 A	
	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.1 A	
5 TON	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.3 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	31.0 A	
	8.5KW x 4P	34.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	37.8 A	
7.5 TON	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	25.3 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	31.0 A	
	8.5KW x 4P	34.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	37.4 A	

NOTE

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

E.O.C.R 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3¢ 380V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.1 A	
	1.5KW x 6P	5.5 A	1 DRIVE	SS-30	3 SEC	1 SEC	6.1 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.2 A	
1 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.1 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.2 A	
2 TON	1.8KW x 8P	6.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.0 A	
	2.5KW x 6P	7.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.2 A	
2.8 TON	2.5KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.3 A	
	5.0KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.4 A	
3 TON	2.8KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.3 A	
	5.5KW x 4P	13.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.5 A	
5 TON	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.6 A	
	5.5KW x 6P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.9 A	
	8.5KW x 4P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.9 A	
7.5 TON	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.6 A	
	5.5KW x 6P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.9 A	
	8.5KW x 4P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.9 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¢ 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	
0.5 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.4 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.2 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
1 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.4 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.5 A	
2 TON	1.8KW x 8P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.1 A	
	2.5KW x 6P	5.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.4 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.8 A	
2.8 TON	2.5KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.8 A	
	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.6 A	
3 TON	2.8KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.8 A	
	5.5KW x 4P	11.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.5 A	
5 TON	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.7 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.5 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	18.2 A	
7.5 TON	4.2KW x 8P	11.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.7 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.5 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	18.2 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¢ 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	
0.5 TON	1.2KW x 8P	3.8 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.2 A	
	1.5KW x 6P	3.6 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.0 A	
	2.4KW x 4P	4.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
1 TON	1.2KW x 8P	3.8 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.2 A	
	2.4KW x 4P	4.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
2 TON	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	2.5KW x 6P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.1 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.5 A	
2.8 TON	2.5KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.5 A	
	5.0KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
3 TON	2.8KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.5 A	
	5.5KW x 4P	10.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.0 A	
5 TON	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.1 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.9 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	18.2 A	
7.5 TON	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.1 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.9 A	
	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	18.2 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¢ 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	
0.5 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.5 A	1 DRIVE	SS-05	3 SEC	1 SEC	3.9 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.1 A	
1 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-05	3 SEC	1 SEC	4.0 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.1 A	
2 TON	1.8KW x 8P	5.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
	2.5KW x 6P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
2.8 TON	2.5KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
	5.0KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.6 A	
3 TON	2.8KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.6 A	
5 TON	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.6 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.2 A	
	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.4 A	
7.5 TON	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.6 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.2 A	
	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.4 A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 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%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	8.8 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.0 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	8.8 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.0 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	12.0 A	13.2 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.6 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.1 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.1 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	37.8 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	34.0 A	37.4 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 380V 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%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.0 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	7.0 A	7.7 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	10.2 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.3 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.4 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.3 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	13.2 A	14.5 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	21.9 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	17.9 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	21.9 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	17.9 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 440V 60Hz

극동호이스트㈜

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.2 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.5 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.5 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.8 A	6.4 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	8.8 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	11.4 A	12.5 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	18.2 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	18.2 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 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%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.0 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.3 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.2 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.3 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	5.8 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.0 A	CT-1	K, L	5 V.A	
⇨ 3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	10.9 A	12.0 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.1 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.9 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	18.2 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.1 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.9 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	18.2 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3¢ 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%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.0 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	5.6 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.3 A	5.8 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.0 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.0 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	10.6 A	CT-1	K, L	5 V.A	
3 TON	2.8KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.0 A	CT-1	K, L	5 V.A	
	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	17.4 A	CT-1	K, L	5 V.A	
7.5 TON	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	17.4 A	CT-1	K, L	5 V.A	

NOTE

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

E.O.C.R 권고 SETTING 치

* POWER SOURCE : AC3¢ 220V 60Hz

극동호이스트 (주)

MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
				DELAY TIME	OPERATION TIME	CURRENT	
0.2KW x 6P	2.1 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.3 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.6 A	
0.4KW x 4P	2.7 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.0 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	5.9 A	
0.5KW x 6P	3.5 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.9 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	7.7 A	
0.75KW x 4P	4.1 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.5 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	9.0 A	
1.0KW x 6P	6.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	7.5 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	15.0 A	
1.5KW x 4P	7.4 A	1 DRIVE	SS - 30	3 SEC	1 SEC	8.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	16.3 A	
1.5KW x 6P	7.6 A	1 DRIVE	SS - 30	3 SEC	1 SEC	8.4 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	16.7 A	
2.2KW x 4P	10.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	11.0 A	
		2 DRIVE	SS - 30	3 SEC	1 SEC	22.0 A	
0.8/0.4KW x 4/8P	4.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	5.3 A	
			SS - 05	3 SEC	1 SEC	4.7 A	
	4.3 A	2 DRIVE	SS - 30	3 SEC	1 SEC	10.6 A	
			SS - 30	3 SEC	1 SEC	9.4 A	
2.2KW x 6P	12.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	13.2 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	26.4 A	
3.7KW x 4P	16.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	17.6 A	
		2DRIVE	SS - 60	3 SEC	1 SEC	35.2 A	

NOTE

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

E.O.C.R 권고 SETTING 치

* POWER SOURCE : AC3¢ 380V 60Hz

극동호이스트 (주)

MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
				DELAY TIME	OPERATION TIME	CURRENT	
0.2KW x 6P	1.6 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.8 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	3.5 A	
0.4KW x 4P	1.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.0 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.0 A	
0.5KW x 6P	2.0 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.2 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.4 A	
0.75KW x 4P	2.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	5.3 A	
1.0KW x 6P	3.9 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.3 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.6 A	
1.5KW x 4P	4.3 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.7 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	9.5 A	
1.5KW x 6P	4.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.8 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	9.7 A	
2.2KW x 4P	5.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	6.4 A	
		2 DRIVE	SS - 30	3 SEC	1 SEC	12.8 A	
0.8/0.4KW x 4/8P	2.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
			SS - 05	3 SEC	1 SEC	2.9 A	
	2.6 A	2 DRIVE	SS - 30	3 SEC	1 SEC	6.1 A	
			SS - 30	3 SEC	1 SEC	5.8 A	
2.2KW x 6P	7.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	7.7 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	15.4 A	
3.7KW x 4P	9.3 A	1 DRIVE	SS - 30	3 SEC	1 SEC	10.2 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	20.5 A	

NOTE

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

E.O.C.R 권고 SETTING 치

* POWER SOURCE : AC3¢ 440V 60Hz

극동호이스트 (주)

MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
				DELAY TIME	OPERATION TIME	CURRENT	
0.2KW x 6P	1.2 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.3 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
0.4KW x 4P	1.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.5 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
0.5KW x 6P	1.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.0 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.0 A	
0.75KW x 4P	2.1 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.3 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.6 A	
1.0KW x 6P	2.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	6.2 A	
1.5KW x 4P	3.7 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.1 A	
1.5KW x 6P	3.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.2 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.4 A	
2.2KW x 4P	5.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	5.5 A	
		2 DRIVE	SS - 30	3 SEC	1 SEC	11.0 A	
0.8/0.4KW x 4/8P	2.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
			SS - 05	3 SEC	1 SEC	2.5 A	
	2.3 A	2 DRIVE	SS - 30	3 SEC	1 SEC	5.3 A	
			SS - 05	3 SEC	1 SEC	5.0 A	
2.2KW x 6P	5.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	6.4 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	12.8 A	
3.7KW x 4P	8.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	8.8 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	17.6 A	

NOTE

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

E.O.C.R 권고 SETTING 치

* POWER SOURCE : AC3¢ 460V 60Hz

극동호이스트 (주)

MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
				DELAY TIME	OPERATION TIME	CURRENT	
0.2KW x 6P	1.2 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.3 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
0.4KW x 4P	1.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.5 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
0.5KW x 6P	1.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.0 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.0 A	
0.75KW x 4P	2.0 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.2 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.4 A	
1.0KW x 6P	2.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	6.2 A	
1.5KW x 4P	3.7 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.1 A	
1.5KW x 6P	3.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.2 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.4 A	
2.2KW x 4P	5.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	5.5 A	
		2 DRIVE	SS - 30	3 SEC	1 SEC	11.0 A	
0.8/0.4KW x 4/8P	2.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
			SS - 05	3 SEC	1 SEC	2.5 A	
	2.3 A	2 DRIVE	SS - 30	3 SEC	1 SEC	5.3 A	
			SS - 05	3 SEC	1 SEC	5.0 A	
2.2KW x 6P	5.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	6.4 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	12.8 A	
3.7KW x 4P	8.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	8.8 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	17.6 A	

NOTE

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

E.O.C.R 권고 SETTING 치

* POWER SOURCE : AC3¢ 480V 60Hz

극동호이스트 (주)

MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
				DELAY TIME	OPERATION TIME	CURRENT	
0.2KW x 6P	1.2 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.3 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
0.4KW x 4P	1.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	1.5 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
0.5KW x 6P	1.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.0 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.0 A	
0.75KW x 4P	1.9 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.1 A	
		2DRIVE	SS - 05	3 SEC	1 SEC	4.2 A	
1.0KW x 6P	2.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	3.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	6.2 A	
1.5KW x 4P	3.7 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.1 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.1 A	
1.5KW x 6P	3.8 A	1 DRIVE	SS - 05	3 SEC	1 SEC	4.2 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	8.4 A	
2.2KW x 4P	5.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	5.5 A	
		2 DRIVE	SS - 30	3 SEC	1 SEC	11.0 A	
0.8/0.4KW x 4/8P	2.4 A	1 DRIVE	SS - 05	3 SEC	1 SEC	2.6 A	
			SS - 05	3 SEC	1 SEC	2.5 A	
	2.3 A	2 DRIVE	SS - 30	3 SEC	1 SEC	5.3 A	
			SS - 05	3 SEC	1 SEC	5.0 A	
2.2KW x 6P	5.8 A	1 DRIVE	SS - 30	3 SEC	1 SEC	6.4 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	12.8 A	
3.7KW x 4P	8.0 A	1 DRIVE	SS - 30	3 SEC	1 SEC	8.8 A	
		2DRIVE	SS - 30	3 SEC	1 SEC	17.6 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	132 L
4. RATED POWER	5.5 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 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	22.8 A
12. STARTING CURRENT AT RATED VOLTAGE	138.0 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	81.0 %
15. POWER FACTOR AT 100% RATED LOAD	77.0 %
16. STARTING TORQUE	6.4 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
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 ℃
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	132 L
4. RATED POWER	5.5 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 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	13.2 A
12. STARTING CURRENT AT RATED VOLTAGE	79.9 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	81.0 %
15. POWER FACTOR AT 100% RATED LOAD	77.0 %
16. STARTING TORQUE	6.4 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
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 ℃
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	132 L
4. RATED POWER	5.5 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 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	11.4 A
12. STARTING CURRENT AT RATED VOLTAGE	69.0 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	81.0 %
15. POWER FACTOR AT 100% RATED LOAD	77.0 %
16. STARTING TORQUE	6.4 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
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 ℃
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	132 L
4. RATED POWER	5.5 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 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	10.9 A
12. STARTING CURRENT AT RATED VOLTAGE	66.0 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	81.0 %
15. POWER FACTOR AT 100% RATED LOAD	77.0 %
16. STARTING TORQUE	6.4 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
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 ℃
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	132 L
4. RATED POWER	5.5 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 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	10.5 A
12. STARTING CURRENT AT RATED VOLTAGE	63.3 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	81.0 %
15. POWER FACTOR AT 100% RATED LOAD	77.0 %
16. STARTING TORQUE	6.4 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
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 ℃
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	132 S
4. RATED POWER	2.8 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 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	17.7 A
12. STARTING CURRENT AT RATED VOLTAGE	96.0 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. STARTING TORQUE	6.86 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 ℃
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	132 S
4. RATED POWER	2.8 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 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	10.2 A
12. STARTING CURRENT AT RATED VOLTAGE	55.6 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. STARTING TORQUE	6.86 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 ℃
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	132 S
4. RATED POWER	2.8 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 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	8.9 A
12. STARTING CURRENT AT RATED VOLTAGE	48.0 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. STARTING TORQUE	6.86 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 ℃
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	132 S
4. RATED POWER	2.8 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 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	8.5 A
12. STARTING CURRENT AT RATED VOLTAGE	45.9 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. STARTING TORQUE	6.86 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 ℃
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	132 S
4. RATED POWER	2.8 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 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	8.1 A
12. STARTING CURRENT AT RATED VOLTAGE	44.0 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. STARTING TORQUE	6.86 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 ℃
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	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	4.1 A
12. STARTING CURRENT AT RATED VOLTAGE	22.1 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	66.0 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. STARTING TORQUE	1.02 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 ℃
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	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.4 A
12. STARTING CURRENT AT RATED VOLTAGE	13.5 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	67.0 %
15. POWER FACTOR AT 100% RATED LOAD	69.5 %
16. STARTING TORQUE	0.85 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 ℃
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	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. STARTING CURRENT AT RATED VOLTAGE	11.1 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	67.0 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. STARTING TORQUE	1.02 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 ℃
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	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. STARTING CURRENT AT RATED VOLTAGE	10.6 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	66.0 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. STARTING TORQUE	1.02 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 ℃
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	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	1.9 A
12. STARTING CURRENT AT RATED VOLTAGE	10.2 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	66.0 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. STARTING TORQUE	1.02 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	40 ℃
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	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	3.4 A
12. STARTING CURRENT AT RATED VOLTAGE	16.4 A
13. MINIMUM STARTING VOLTAGE	198 V
14. EFFICIENCY AT 100% RATED LOAD	64.0 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. STARTING TORQUE	0.80 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 ℃
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	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	2.0 A
12. STARTING CURRENT AT RATED VOLTAGE	9.5 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	64.0 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. STARTING TORQUE	0.80 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 ℃
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	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. STARTING CURRENT AT RATED VOLTAGE	8.2 A
13. MINIMUM STARTING VOLTAGE	396 V
14. EFFICIENCY AT 100% RATED LOAD	64.0 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. STARTING TORQUE	0.80 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 ℃
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	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. STARTING CURRENT AT RATED VOLTAGE	7.9 A
13. MINIMUM STARTING VOLTAGE	414 V
14. EFFICIENCY AT 100% RATED LOAD	64.0 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. STARTING TORQUE	0.80 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 ℃
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	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1 . 0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	7.5 A
13. MINIMUM STARTING VOLTAGE	432 V
14. EFFICIENCY AT 100% RATED LOAD	64.0 %
15. POWER FACTOR AT 100% RATED LOAD	59.5 %
16. STARTING TORQUE	0.80 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 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

D S R DSR WIRE CORP

ORIGINAL

SALES OFFICE : 7th floor, 145, Teheran-ro, Gangnam-gu, Seoul, Korea
TEL : 82-2-3420-3500, FAX : 82-2-3420-3600, E-mail : sales@dsrcorp.com, http://www.dsrcorp.com

MILL TEST CERTIFICATE / CERTIFICATE OF INSPECTION

Certificate No : 201802-Do636-1
Reel/Coil No : 1 - 2
Purchaser : -

Date : 2018. 01. 12
P.O No : -
L/C No. : -
Invoice No : Do636-125

1. TYPE / GRADE

Construction : 6XWS(36)+FC
Diameter : 12.5 MM
Length : 1,000 MTRS X 2 R/L
Specification : KS D 3514

Coating : BRIGHT
Grade : 1,770
Lay : RHRL
Lubrication : A-2

2. ROPE TEST RESULTS

Items	Norminal or Specified	Actual
Diameter	12.5 MM	12.8 MM
Breaking Strength	92.5 KN	94.9 KN
Lay Length	- MM	81 MM
Preforming	Good	Good

3. WIRE TEST RESULTS

Items	Norminal or Specified	Actual
Diameter	0.71 MM	0.72 MM
Tensile Strength	1,770 N/MM2	1,826 N/MM2
Break Force	700 N	743 N
Torsion	27	42
Weight of Coating	- G/M2	- G/M2

We hereby certify that the above results are true and correct in every detail.

CHEMICAL ANALYSIS OF WIRE ROD

Charge No	Chemical Composition (%)				
	C	Si	Mn	P	S
SF 92150	0.71	0.21	0.47	0.007	0.004

Approval or Inspection Possibility

WIRE ROPE
Suncheon Factory : 15, Sandan 1-gil, Seo-myeon, Suncheon-si, Jeonranam-do, Korea
Yulchon Factory : 80-21, Yulchonsangari 1-ro, Hanyang-myeon, Suncheon-si, Jeonranam-do, Korea

WIRE
Suncheon 2Factory : 38, Sandan 4-gil, Seo-myeon, Suncheon-si, Jeonranam-do, Korea

Quality Management Dept.

Chief Inspector

Manho Rope & Wire Ltd.

Registered by

KS D 3514 / API 9A / JIS G 3525
AMERICAN BUREAU OF SHIPPING
LLOYD'S REGISTER OF SHIPPING
KOREAN REGISTER OF SHIPPING
NIPPON KAIJI KYOKAI
DET NORSKE VERITAS
GERMANISCHER LLOYD
RINA.REGISTRO ITALIANO NAVALE
BUREAU VERITAS

Manufacture
71, Noksanhwajeon-ro, Gangseo-gu,
BUSAN,KOREA
TEL : 82-51-831-5611~6
FAX : 82-51-831-5617

Sheet No. 2018B-509-01

Date JUN.27.2018

MILL TEST CERTIFICATE

Customer : Messrs

Supplier : Messrs MANHO ROPE & WIRE LTD.

L/C No. Order No.

Commodity UNGALVANIZED STEEL WIRE ROPE

Construction 19X7 IWSC Grade 195 Kg/㎟

Specification KS D 3514 Lubrication C

Order Quantity 1,000.00 m Reel No. 1

Gross Weight Net Weight 664.00 Kgs

TEST RESULT

Rope Dia 12.50 (Actual) 12.550 mm Preforming GOOD

Kind of Lay R.H.R.L Length of Lay 85.60 mm

Specified Breaking Strength of Wire Rope 11,400.00 Kgs

Actual Breaking strength of Wire Rope 11,700.00 Kgs

Nominal Dia. of Wire 0.810 mm

Tensile Strength of Wires Min 202 Max 205 Kg / ㎟

Number of Torsion of Wires Min 31 Max 34 Times

Weight of Zinc Coating

CHEMICAL ANALYSIS OF WIRE ROD

%

Heat No.	C	Si	Mn	P	S
SA32765	0.6204	0.219	0.539	0.0138	0.0106

REMARKS SAMPLE

KUKDONG HOIST
SEO SANG YEON 서 상 연

KS ABS LLOYD'S KR NK DNV GL RINA BV JIS

General Manager C. S. Kim
Quality Control Dept

방송통신기자재등의 적합인증서

Certificate of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Applicant*	주식회사 케이지오토
기자재 명칭 *Equipment Name*	특정소출력 무선기기(데이터전송용 무선기기)
기본모델명 *Basic Model Number*	KG-R08CCC
파생모델명 *Series Model Number*	KG-R08AAA, KG-R08CAA, KG-R08CCA
인증번호 *Certification No.*	MSIP-CRM-KGO-KG-R08CCC
제조자/제조국가 *Manufacturer/ Country of Origin*	주식회사 케이지오토 / 한국
인증연월일 *Date of Certification*	2015-07-06
기타 *Others*	

위 기자재는「전파법」제58조의2 제2항에 따라 인증되었음을 증명합니다.

It is verified that foregoing equipment has been certificated under the Clause 2, Article 58-2 of Radio Waves Act.

2015년(Year) 07월(Month) 06일(Date)

국립전파연구원장

Director General of National Radio Research Agency

방송통신기자재등의 적합인증서

Certificate of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Applicant*	주식회사 케이지오토
기자재 명칭 *Equipment Name*	특정소출력 무선기기(데이터전송용 무선기기)
기본모델명 *Basic Model Number*	KG-R12MLHCCC
파생모델명 *Series Model Number*	KG-R12YLHCCA, KG-R12YLHCCC, KG-R12MLHAAA, KG-R12MLHCCA, KG-R12MLHCAA, KG-R12YLHCAA, KG-R12YLHAAA
인증번호 *Certification No.*	MSIP-CRM-KGO-KG-R12MLHCCC
제조자/제조국가 *Manufacturer/ Country of Origin*	주식회사 케이지오토 / 한국
인증연월일 *Date of Certification*	2015-06-24
기타 *Others*	

위 기자재는「전파법」제58조의2 제2항에 따라 인증되었음을 증명합니다.

It is verified that foregoing equipment has been certificated under the Clause 2, Article 58-2 of Radio Waves Act.

2015년(Year) 06월(Month) 24일(Date)

국립전파연구원장 국립전파연구원장인

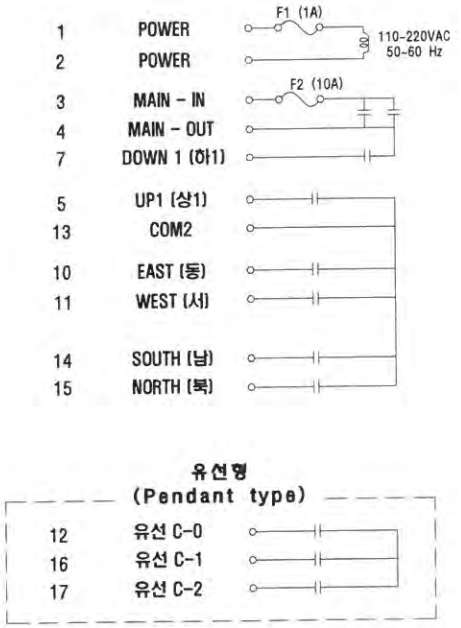
Director General of National Radio Research Agency

※ 인증 받은 방송통신기자재는 반드시 "적합성평가표시"를 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 인증이 취소될 수 있습니다.

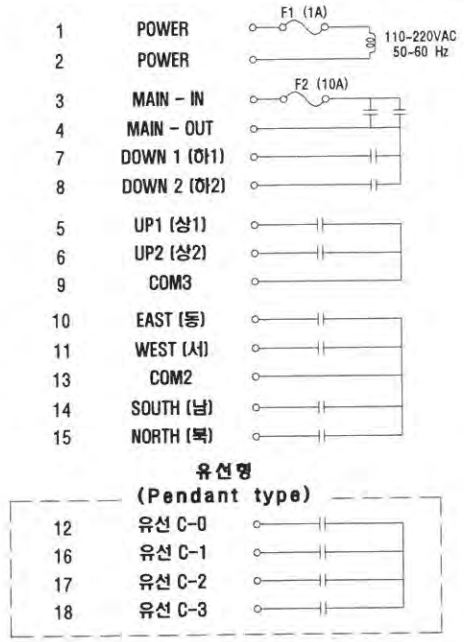
● 접속도 (Circuit diagram)

■ KG-R08 SERIES

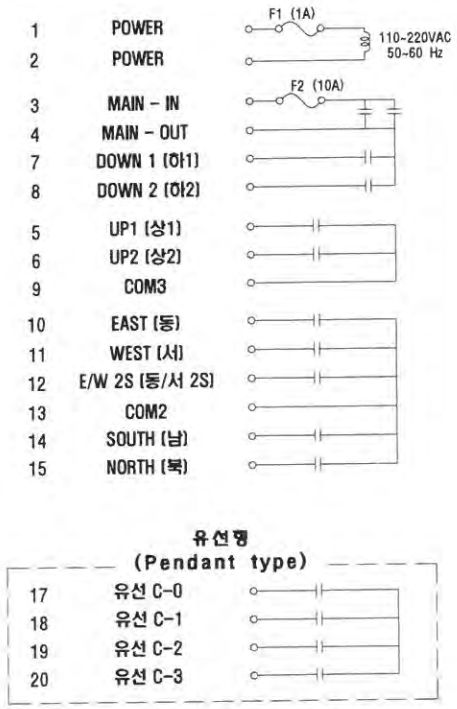
KG-R08AAA/KG-R08AAA(T)



KG-R08CAA/KG-R08CAA(T)



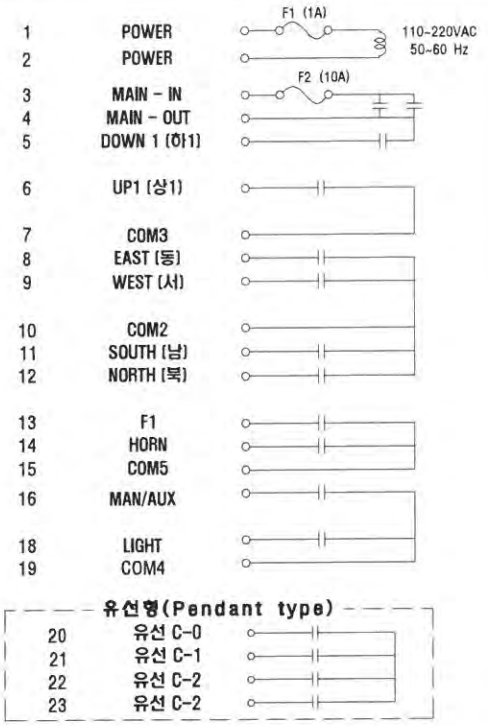
KG-R08CCA/KG-R08CCA(T)



KG-R08CCC/KG-R08CCC(T)

■ KG-R12 SERIES

KG-R12MLHAAA



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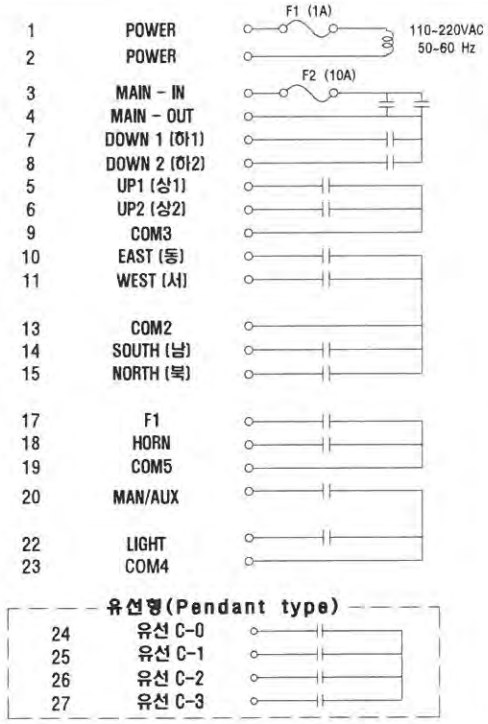

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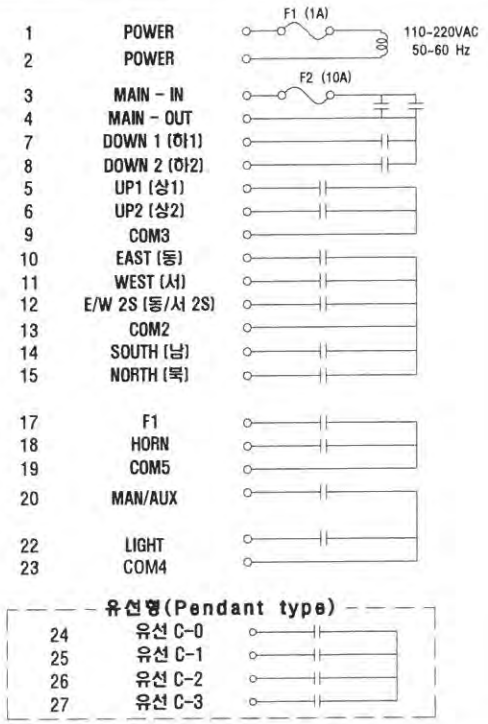
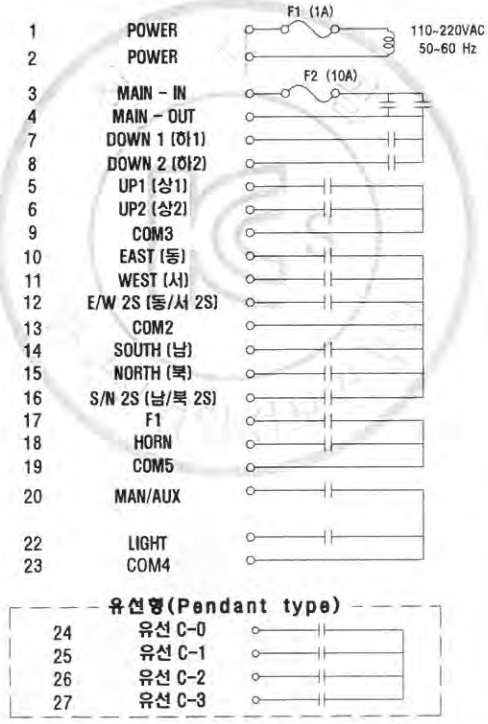
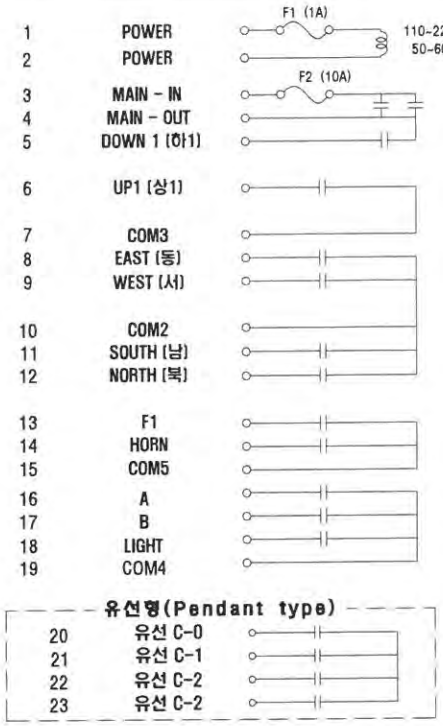


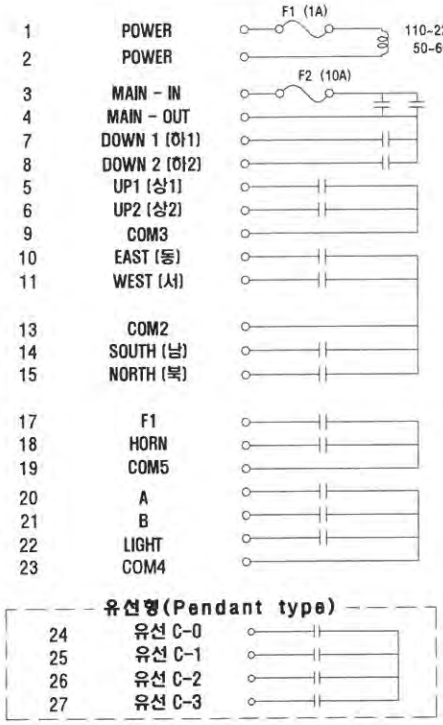
KG-R12MLHCCC



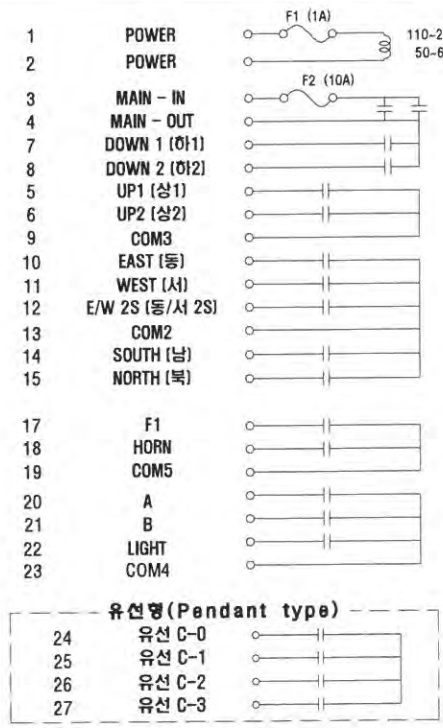
KG-R12YLHAAA



KG-R12YLHCAA



KG-R12YLHCCA

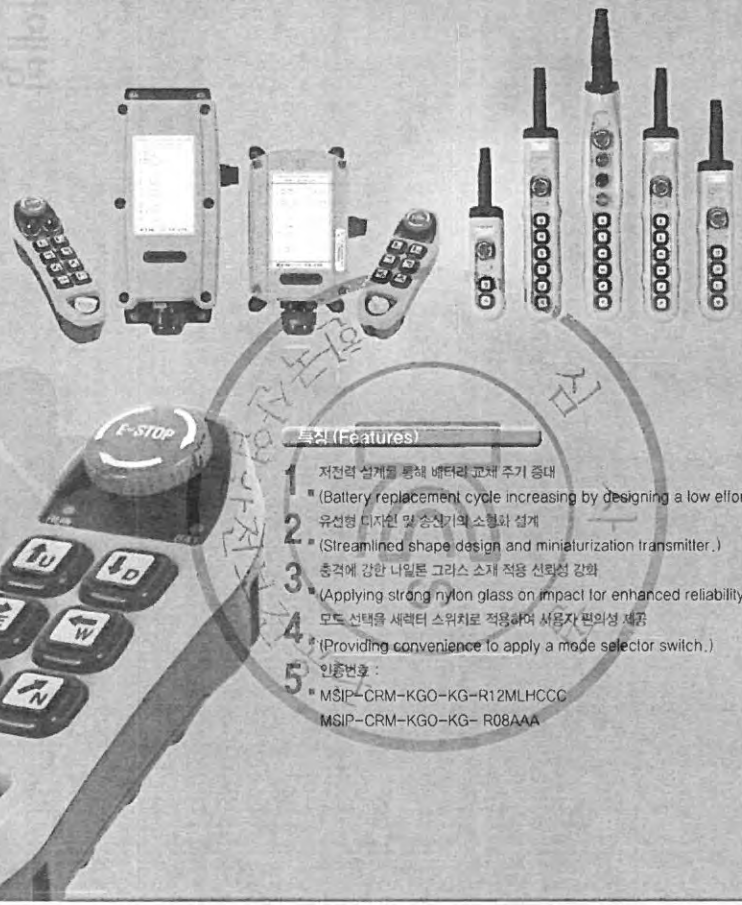


KG-R12YLHCCC

REMOTE Controller
Hoist Switch

리모트 콘트롤러 / 호이스트 시리즈
Remote Controller / Hoist Switch Series

100 무선 리모콘 8구 / 12구 (8 Button / 12 Button type)
104 호이스트 스위치 2~8구 (2 Button~8 Button type)
110 호이스트 스위치 10구 (10구 10 Button type)



특징 (Features)

1. 저전력 설계를 통해 배터리 교체 주기 증대
   (Battery replacement cycle increasing by designing a low effort.)
2. 유선형 디자인 및 송신기의 소형화 설계
   (Streamlined shape design and miniaturization transmitter.)
3. 충격에 강한 나일론 그라스 소재 적용 신뢰성 강화
   (Applying strong nylon glass on impact for enhanced reliability.)
4. 모드 선택을 세렉터 스위치로 적용하여 사용자 편의성 제공
   (Providing convenience to apply a mode selector switch.)
5. 인증번호 :
   MSIP-CRM-KGO-KG-R12MLHCCC
   MSIP-CRM-KGO-KG- R08AAA

성능 (Performance)

항 목 (List)	송신기 (Transmitter)	수신기 (Receiver)
주파수 영역 (Frequency range)	447.6000 ~ 447.9875 MHz	447.6000 ~ 447.9875 MHz
정격 전압 (Rated voltage)	08R : DC3V / 12R : DC6V	DC24V / 90V ~ 240V AC / 50 ~ 60 Hz
외형 크기 (Size)	08R : 160㎜ x 52㎜ x 41㎜ 12R : 230㎜ x 56㎜ x 49㎜	08R : 163㎜ x 96㎜ x 66㎜ 12R : 230㎜ x 104㎜ x 70㎜
공중선 전력 (Electric Power antenna)	10mW	10mW
발진 방식 (Oscillation method)	PLL	PLL
변조 방식 (Modulation system)	GFSK(F1D)	GFSK(F1D)
통신 방식 (Method of communications)	Simplex	Simplex
전송 속도 (Transmission speed)	2400bps	2400bps
주파수 안정도 (Frequency stability)	2ppm 이하	2ppm 이하
채널수 (Channel number)	32ch	32ch
채널 간격 (Channel separation)	12.5khz	12.5khz
대역폭 (Bandwidth)	8.5khz 이하	8.5khz 이하
사용온도 (Usual temperature)	-20℃ ~ +60℃이하	-20℃ ~ +60℃이하
케이블 (Cable)		K60227 IEC75 300/500V 0.75SQ 16C/23C (1.7M)
사용거리 (Transmitting Distance)	직선거리 130M (장애물이 없는 조건) (No obstacle 130M)	

REMOTE CONTROLLER		
제 품 (Model)	KG-R08 SERIES	KG-R12 SERIES
기 능 (Function)	●비상 리셋 스위치 (E-STOP) ●ON/OFF 세렉터 전원 스위치 (Selector ON/OFF switch) ●기본 명판 : 상 하 동 서 남 북 ●건전지 (Battery) : AA 1.5V 2ea	●비상 리셋 스위치 (E-STOP) ●ON/OFF 세렉터 전원 스위치 (Selector ON/OFF switch) ●기본 명판 : 상 하 동 서 남 북 ●모드 선택 기능 세렉터 스위치 (Mode selection function Selector switch) AUX-MAIN, LIGHT, A A+B B ●버튼 : F1(HORN), F2(스페아 버튼) ●건전지 (Battery) : AA 1.5V 4ea

Best of best ! KGAUTO의 감성스위치는 언제나 ON입니다.

92A7-CDA1-1F81-77C7

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Registrant*	엘에스산전(주)
기자재 명칭 *Equipment Name*	INVERTER
기본모델명 *Basic Model Number*	LSLV0008S100-2EONNS
파생모델명 *Series Model Number*	LSLV0008S100-2EONNM, LSLV0008S100-2EXNNS IP66, LSLV0008S100-2EXNNM IP66
등록번호 *Registration No.*	MSIP-REM-LSR-LSLV0008S100-2
제조자/제조(조립)국가 *Manufacturer/Country of Origin*	엘에스산전(주), 엘에스산전(주), 엘에스산전(주), 엘에스산전(주) / 한국, 한국, 한국, 한국
등록연월일 *Date of Registration*	2015-06-04
기타 *Others*	EN61800-3:2004에 의거하여 EMC 시험 적합 판정

위 기자재는「전파법」제58조의2 제3항에 따라 등록되었음을 증명합니다.

It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2015년(Year) 06월(Month) 04일(Date)

국립전파연구원장 국립전파연구원장인

Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시"를 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 등록이 취소될 수 있습니다.

625D-BBE5-FACB-3188

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Registrant*	엘에스산전(주)
기자재 명칭 *Equipment Name*	INVERTER
기본모델명 *Basic Model Number*	LSLV0008S100-4EONNS
파생모델명 *Series Model Number*	LSLV0008S100-4EONNM, LSLV0008S100-4NNNNN(IJ), LSLV0008S100-4EXFNM IP66, LSLV0008S100-4EXFNS IP66, LSLV0008S100-4EOFNM, LSLV0008S100-4EXNNM IP66, LSLV0008S100-4EXNNS IP66, LSLV0008S100-4EOFNS
등록번호 *Registration No.*	MSIP-REM-LSR-LSLV0008S100-4
제조자/제조(조립)국가 *Manufacturer/Country of Origin*	엘에스산전(주), 엘에스산전(주) / 한국, 한국
등록연월일 *Date of Registration*	2015-06-04
기타 *Others*	EN61800-3:2004에 의거하여 EMC 시험 적합 판정

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2015년(Year) 06월(Month) 04일(Date)

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B25F-BD2C-6764-76A9

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Registrant*	엘에스산전(주)
기자재 명칭 *Equipment Name*	INVERTER
기본모델명 *Basic Model Number*	LSLV0015S100-2EONNS
파생모델명 *Series Model Number*	LSLV0015S100-2EONNM, LSLV0015S100-2EXNNS IP66, LSLV0015S100-2EXNNM IP66
등록번호 *Registration No.*	MSIP-REM-LSR-LSLV0015S100-2
제조자/제조(조립)국가 *Manufacturer/Country of Origin*	엘에스산전(주), 엘에스산전(주), 엘에스산전(주), 엘에스산전(주) / 한국, 한국, 한국, 한국
등록연월일 *Date of Registration*	2015-06-04
기타 *Others*	EN61800-3:2004에 의거하여 EMC 시험 적합 판정

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2015년(Year) 06월(Month) 04일(Date)

국립전파연구원장 국립전파연구원장인

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위반시 과태료 처분 및 등록이 취소될 수 있습니다.

6B15-A5AD-37F7-E61D

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Registrant*	엘에스산전(주)
기자재 명칭 *Equipment Name*	INVERTER
기본모델명 *Basic Model Number*	LSLV0015S100-4EONNS
파생모델명 *Series Model Number*	LSLV0015S100-4EXNNS IP66, LSLV0015S100-4EXFNM IP66, LSLV0015S100-4EOFNM, LSLV0015S100-4EXNNM IP66, LSLV0015S100-4EONNM, LSLV0015S100-4NNNNN(IJ), LSLV0015S100-4EXFNS IP66, LSLV0015S100-4EOFNS
등록번호 *Registration No.*	MSIP-REM-LSR-LSLV0015S100-4
제조자/제조(조립)국가 *Manufacturer/Country of Origin*	엘에스산전(주), 엘에스산전(주) / 한국, 한국
등록연월일 *Date of Registration*	2015-06-04
기타 *Others*	EN61800-3:2004에 의거하여 EMC 시험 적합 판정

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2015년(Year) 06월(Month) 04일(Date)

국립전파연구원장

Director General of National Radio Research Agency

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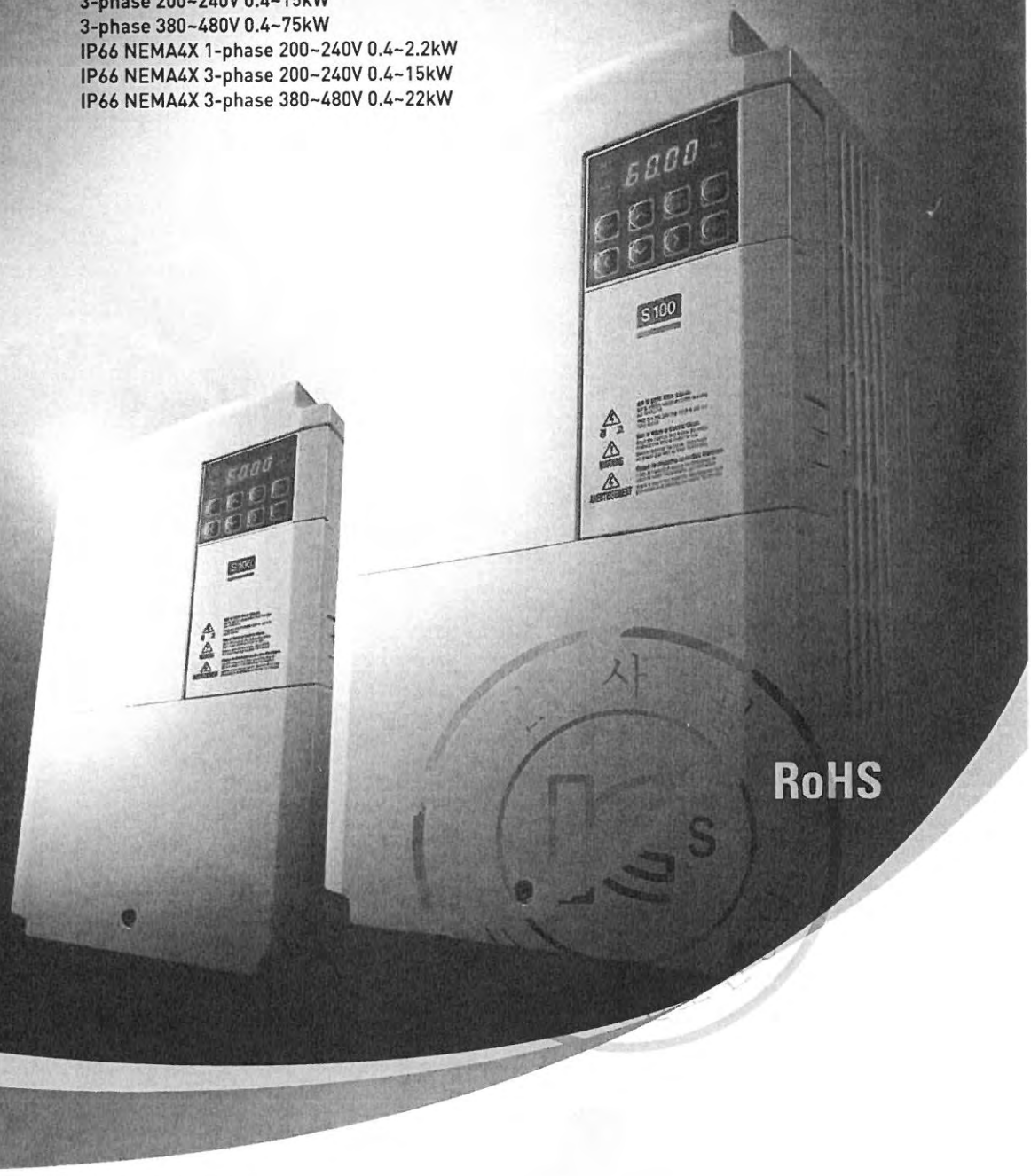
표준형 드라이브 S100

1-phase 200~240V 0.4~2.2kW
3-phase 200~240V 0.4~15kW
3-phase 380~480V 0.4~75kW
IP66 NEMA4X 1-phase 200~240V 0.4~2.2kW
IP66 NEMA4X 3-phase 200~240V 0.4~15kW
IP66 NEMA4X 3-phase 380~480V 0.4~22kW



RoHS

LS ELECTRIC

기본규격

1-Phase 200V 급(0.4~2.2kW)

LSLV □□□□ S100-1 □□□□□			0004	0008	0015	0022
적용전동기	중부하	HP	0.5	1.0	2.0	3.0
		kW	0.4	0.75	1.5	2.2
	경부하	HP	1.0	2.0	3.0	5.0
		kW	0.75	1.5	2.2	3.7
출력정격	정격용량 [KVA]	중부하	1.0	1.9	3.0	4.2
		경부하	1.2	2.3	3.8	4.6
	정격전류 [A]	중부하	2.5	5.0	8.0	11.0
		경부하	3.1	6.0	9.6	12.0
	출력주파수 [Hz]		0~400Hz (IM Sensorless: 0~120[Hz])			
	출력전압 [V]		3-phase 200~240V			
입력정격	사용전압 [V]		1-phase 200~240VAC (-15% ~ +10%)			
	입력주파수 [Hz]		50~60Hz(±5%)			
	정격전류[A]	중부하	4.4	9.3	15.6	21.7
		경부하	5.8	11.7	19.7	24.0
중량 [kg]	Non-EMC		0.9	1.3	1.5	2.0
	Built-in EMC		1.1	1.6	1.8	2.2

3-Phase 200V 급(0.4~15kW)

LSLV □□□□ S100-2 □□□□□			0004	0008	0015	0022	0037	0040	0055	0075	0110	0150
적용전동기	중부하	HP	0.5	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0
		kW	0.4	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0
	경부하	HP	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0
		kW	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5
출력정격	정격용량 [KVA]	중부하	1.0	1.9	3.0	4.2	6.1	6.5	9.1	12.2	17.5	22.9
		경부하	1.2	2.3	3.8	4.6	6.9	6.9	11.4	15.2	21.3	26.3
	정격전류 [A] [3상 입력] (A)	중부하	2.5	5.0	8.0	11.0	16.0	17.0	24.0	32.0	46.0	60.0
		경부하	3.1	6.0	9.6	12.0	18.0	18.0	30.0	40.0	56.0	69.0
	정격 전류 [A] [단상 입력] (A)	중부하	1.5	2.8	4.6	6.1	8.8	9.3	13.0	18.0	26.0	33.0
		경부하	1.8	3.3	5.7	6.6	9.9	9.9	16.0	22.0	31.0	38.0
	출력주파수 [Hz]		0~400Hz (IM Sensorless: 0~120[Hz])									
	출력전압 [V]		3-phase 200~240V									
입력정격	사용전압 [V]		3-phase 200~240VAC (-15% ~ +10%) / 단상 200~240VAC (-5%~+10%)									
	입력주파수 [Hz]		50~60Hz(±5%) (단상 입력 시에는, 입력 주파수 60Hz (±5%)만 가능									
	정격전류[A]	중부하	2.2	4.9	8.4	11.8	17.5	18.5	25.8	34.9	50.8	66.7
		경부하	3.0	6.3	10.8	13.1	19.4	19.4	32.7	44.2	62.3	77.2
중량 [kg]	Non-EMC		0.9	0.9	1.3	1.5	2.0	2.0	3.1	3.1	4.4	6.9
	Built-in EMC		-	-	-	-	-	-	-	-	-	-

* 모터 용량은 4극 표준 모터를 사용할 때 기준입니다.
* 200V급은 220V, 400V급은 440V 기준입니다.
* 정격 출력 전류는 캐리어 주파수(Cn.04) 설정에 따라 제한이 있습니다.
* 모터 개폐에 따른 드라이브 보호를 위하여 무부하 운전 시에는 출력 전압이 20~40% 정도 낮게 출력됩니다. (0.4~4.0kW의 경우에만 해당)
* Dual Rating은 IP66/NEMA 4X를 제외한 제품에 지원합니다.

3-Phase 400V 급(0.4~22kW)

LSLV □□□□ S100-4 □□□□□			0004	0008	0015	0022	0037	0040	0055	0075	0110	0150	0185	0220
적용전동기	중부하	HP	0.5	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0	30.0
		kW	0.4	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5	22.0
	경부하	HP	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0	30.0	40.0
		kW	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5	22.0	30.0
출력정격	정격용량 [KVA]	중부하	1.0	1.9	3.0	4.2	6.1	6.9	9.1	12.2	18.3	22.9	29.7	34.3
		경부하	1.5	2.4	3.9	5.3	7.6	7.6	12.2	17.5	22,9	29.0	33.5	44.2
	정격전류 [A] [3상 입력] (A)	중부하	1.3	2.5	4.0	5.5	8.0	9.0	12.0	16.0	24.0	30.0	39.0	45.0
		경부하	2.0	3.1	5.1	6.9	10.0	10.0	16.0	23.0	30.0	38.0	44.0	58.0
	정격전류 [A] [단상 입력] (A)	중부하	0.8	1.5	2.3	3.1	4.8	5.4	7.1	9.5	15.0	18.0	23.0	27.0
		경부하	1.3	1.9	3.0	3.9	5.9	5.9	9.5	14.0	18.0	23.0	27.0	35.0
	출력주파수 [Hz]		0~400Hz (IM Sensorless: 0~120[Hz])											
	출력전압 [V]		3-phase 380~480V											
입력정격	사용전압 [V]		3-phase 380~480VAC (-15% ~ +10%) / 단상 380~480VAC (-5%~+10%)											
	입력주파수 [Hz]		50~60Hz(±5%) (단상 입력 시에는, 입력 주파수 60Hz (±5%)만 가능											
	정격전류[A]	중부하	1.1	2.4	4.2	5.9	8.7	9.8	12.9	17.5	26.5	33.4	43.6	50.7
		경부하	2.0	3.3	5.5	7.5	10.8	10.8	17.5	25.4	33.4	42.5	49.5	65.7
중량 [kg]	Non-EMC		0.9	0.9	1.3	1.5	2.0	2.0	-	-	-	-	-	-
	Built-in EMC		1.18	1.18	1.77	1.80	2.23	2.23	3.3	3.4	4.6	4.8	7.5	7.5

3-Phase 400V 급(30~75kW)

LSLV □□□□ S100-4 □□□□□			0300	0370	0450	0550	0750
적용전동기	중부하	HP	40.0	50.0	60.0	75.0	100.0
		kW	30.0	37.0	45.0	55.0	75.0
	경부하	HP	50.0	60.0	75.0	100.0	120.0
		kW	37.0	45.0	55.0	75.0	90.0
출력정격	정격용량 [KVA]	중부하	46.0	57.0	69.0	84.0	116.0
		경부하	55.0	67.0	78.0	106.0	126.0
	정격전류 [A] [3상 입력] (A)	중부하	61.0	75.0	91.0	110.0	152.0
		경부하	75.0	91.0	107.0	142.0	169.0
	정격전류 [A] [단상 입력] (A)	중부하	32.0	39.0	47.0	57.0	78.0
		경부하	39.0	47.0	55.0	73.0	87.0
	출력주파수 [Hz]		0~400Hz (IM Sensorless: 0~120[Hz])				
	출력전압 [V]		3-phase 380~480V				
입력정격	사용전압 [V]		3-phase 380~480VAC (-15% ~ +10%) / 단상 380~480VAC (-5%~+10%)				
	입력주파수 [Hz]		50~60Hz(±5%) (단상 입력 시에는, 입력 주파수 60Hz (±5%)만 가능				
	정격전류[A]	중부하	56.0	69.0	85.0	103.0	143.0
		경부하	69.0	85.0	100.0	134.0	160.0
중량 [kg]	Non-EMC		25.0	34.0	34.0	43	43
	Built-in EMC		26.0	35.0	35.0		

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* 모터 개폐에 따른 드라이브 보호를 위하여 무부하 운전 시에는 출력 전압이 20~40% 정도 낮게 출력됩니다. (0.4~4.0kW의 경우에만 해당)
* Dual rating은 IP66/NEMA 4X를 제외한 제품에 지원합니다.

기본규격

제어

제어 방식	V/F 제어, 슬립 보상, 센서리스 벡터
주파수 설정 분해능	디지털 지령: 0.01Hz 아날로그 지령: 0.06Hz (최대 주파수: 60Hz)
주파수 정도	최대 출력 주파수의 1%
V/F 패턴	리니어, 2승 저감, 사용자 V/F
과부하 내량	중부하 정격 전류: 150% 1분, 경부하 정격 전류: 120% 1분
토크 부스트	수동 토크 부스트, 자동 토크 부스트

※ PM 센서리스 기능은 영업사원 문의 바람

운전

운전 방식		키패드 / 단자대 / 통신 운전 중 선택	
주파수 설정		아날로그 방식: -10~10[V], 0~10[V], 4~20 [mA] 디지털 방식: 키패드, 펄스 트레인 입력	
운전 기능		PID제어, 업-다운 운전, 3-와이어 운전, 직류 제동, 주파수 리미트, 주파수 점프, 제2기능, 슬립 보상, 정방향/역방향 회전금지, 자동 재기동, 상용전환, 오토튜닝, 속도검색, 에너지 버퍼링 운전, Power Braking, Flux Braking, 누설 저감 운전, Fire Mode	
입력	다기능 단자 Standard I/O (5점) Multiple I/O (7점)	NPN (Sink) / PNP (Source) 선택 가능	
		기능: 정방향 운전, 역방향 운전, 리셋, 외부 트립, 비상정지, 조그운전, 다단속 주파수-상, 중, 하, 다단 가/감속-상, 중, 하, 정지 중 직류 제동, 제 2 모터 선택, 주파수 증가, 주파수 감소, 3 와이어 운전, PID운전 중 일반운전으로 전환, 옵션 운전 중 본체 운전으로 전환, 아날로그 지령 주파수 고정, 가/감속 중지 등 중 선택가능	
	아날로그 입력	V1: -10~10V, V2: 0~10V / I2 4~20mA 선택가능	
	펄스 트레인	0~32kHz, Low Level: 0~2.5V, High Level: 3.5~12V	
출력	다기능 오픈 컬렉터 단자	고장 출력 및 드라이브 운전상태 출력	DC 24V, 50mA 이하
	다기능 릴레이 단자		(N.O., N.C.) AC250V 1A 이하, DC 30V 1A 이하
	아날로그 출력	0~12Vdc/0~24mA: 주파수, 출력전류, 출력전압, 직류단 전압 등 선택 가능	
	펄스 트레인	최대 32kHz, 10~12[V]	

보호기능

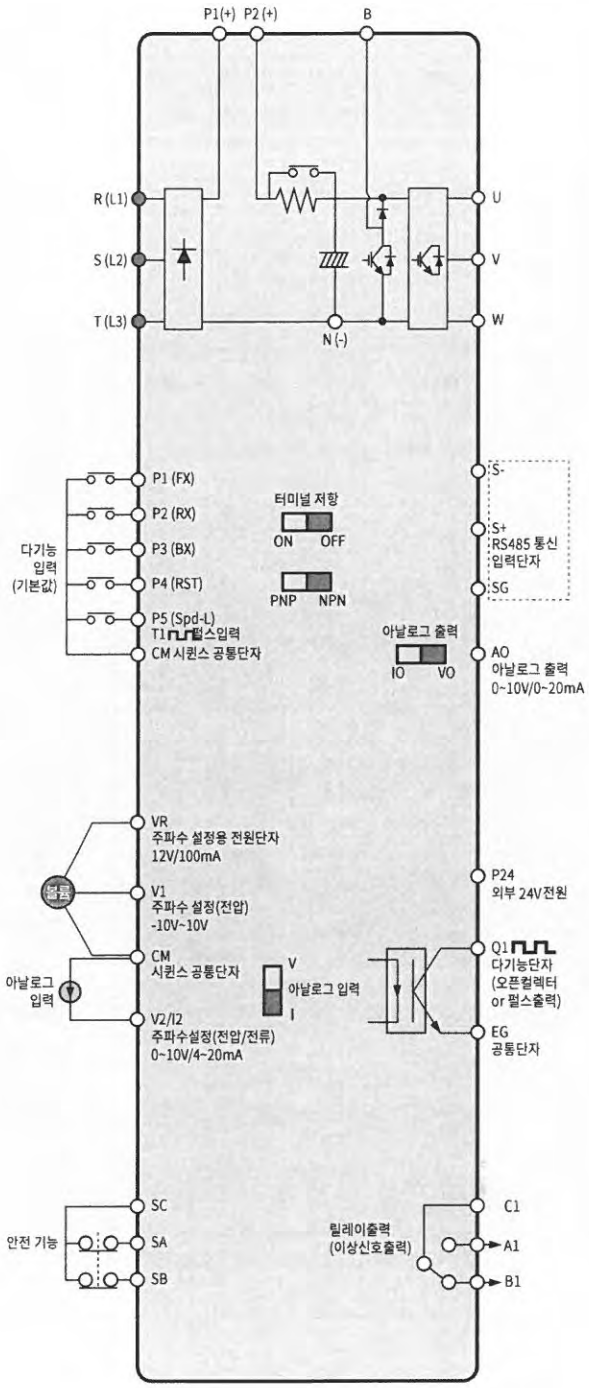
트립	과전류 트립, 과전압 트립, 외부 신호에 의한 트립, 온도센서 트립, 암(ARM) 단락 전류 트립, 인버터 과열, 과열 트립, 옵션 트립, 입력 결상 트립, 출력 결상 트립, 지락 트립, 인버터 과부하 트립, 모터 과열 트립, 팬 트립, IO 보드 연결 트립, Pre-PID 작동 실패, 모터 없음 트립, 외부 브레이크 트립, 파라미터 쓰기 트립, 운전 중 저전압 트립, 비상 정지 트립, 저전압 트립, 지령 상실 트립, 안전 A(B) 트립, 외부 메모리 에러, 아날로그 입력 에러, CPU와 치독 트립, 모터 과부하 트립, 모터 경부하 트립
경보	지령 상실 트립 경보, 과부하 경보, 경부하 경보, 인버터 과부하 경보, 팬 동작 경보, 제동 저항 제동률 경보, 회전자 시정 수 튜닝 에러
순시정전	중부하 급 15ms 이하 (경부하 급 8ms 이하): 운전 계속 (정격 입력 전압, 정격 출력 이내일 것) 중부하 급 15ms 이상 (경부하 급 8ms 이상): 자동 재기동 운전 가능

구조 및 사용환경

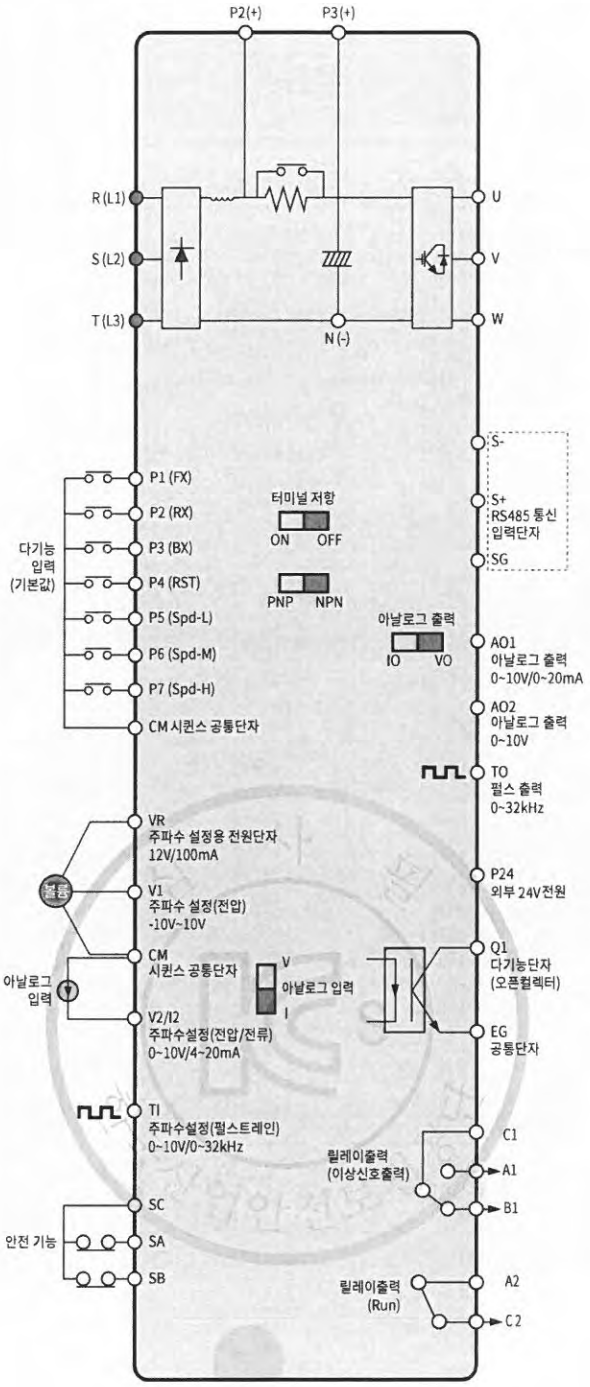
냉각 방식	강제 풍냉 구조 강냉식: 0.4~15 kW 200V급 / 0.4~75kW 400V급 (일부기종은 제외)
보호 구조	IP20/UL Open (Default), UL Enclosed Type 1 (Option), IP66/NEMA 4X (Option)
주위 온도	얼음이나 성에 등이 없는 조건에서 주위온도 *중부하 시 : - 10~50°C / *경부하 시: - 10~40°C [단, 경부하로 50°C 에서 사용할 때는 80% 이하 부하를 사용할 것을 권장함]
보관 온도	-20°C~65°C
주위 습도	상대 습도 95% RH 이하 (이슬 맺힘 현상 없을 것)
고도, 진동	1,000m (1,000m 이상부터 매 100m 상승 시 전압/출력전류 1% 씩 Derating 적용, 최대 4,000m) 이하, 9.8m/sec2 (1G) 이하
주위 환경	Environment Level: 3C3(IEC60721-3-3) classifications (for SO2, H2S, CL, NO2) 실내에 부식성 가스, 인화성 가스, 기름 찌꺼기, 먼지 등이 없을 것
주위 기압	70~106kPa

결선도 [Standard I/O]

0.4~22kW



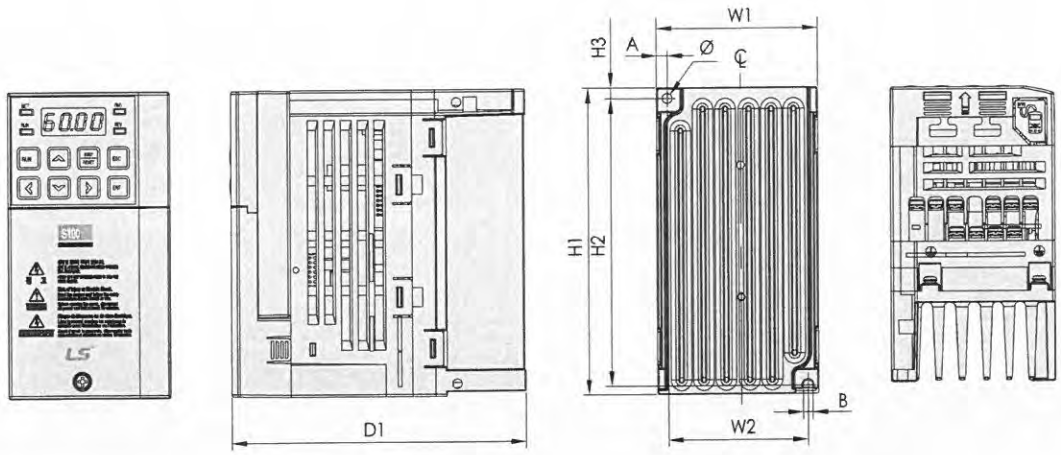
30~75kW



※ 기본값은 푸른색 표시

외형치수

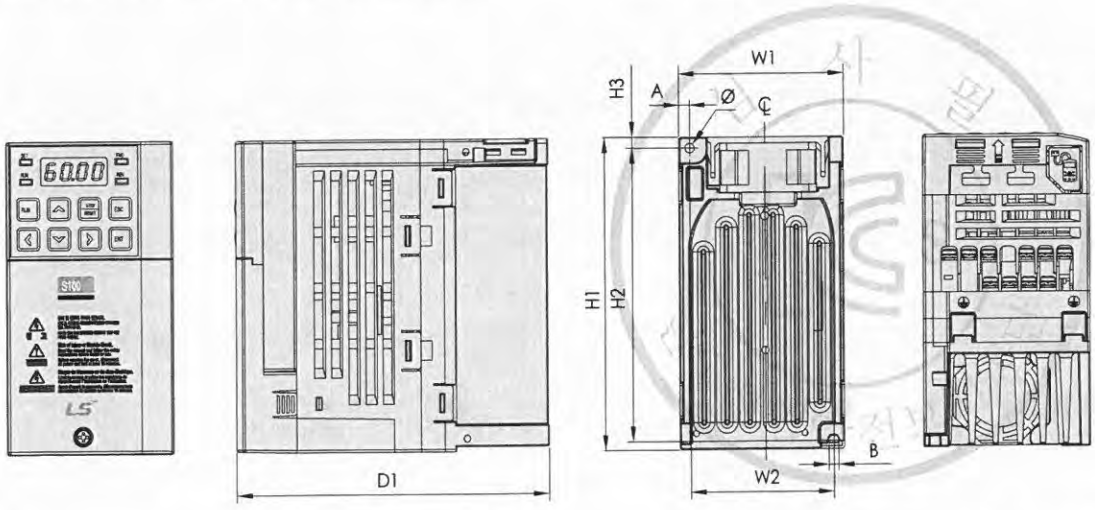
LSLV0004S100-2 / 0004S100-4



단위: mm(inches), kg

드라이브 용량	W1	W2	H1	H2	H3	D1	A	B	Ø	무게
LSLV0004S100-2	68 (2.68)	61.1 (2.41)	128 (5.04)	119 (4.69)	5 (0.20)	123 (4.84)	3.5 (0.14)	4 (0.16)	4.2 (0.17)	0.86
LSLV0004S100-4	68 (2.68)	61.1 (2.41)	128 (5.04)	119 (4.69)	5 (0.20)	123 (4.84)	3.5 (0.14)	4 (0.16)	4.2 (0.17)	0.86

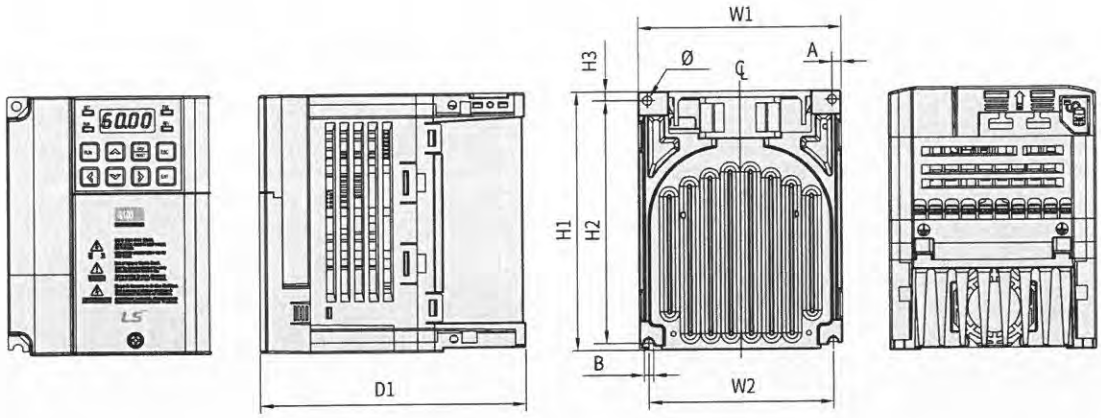
LSLV0004S100-1 / 0008S100-2 / 0008S100-4



단위: mm(inches), kg

드라이브 용량	W1	W2	H1	H2	H3	D1	A	B	Ø	무게
LSLV0004S100-1	68 (2.68)	61.1 (2.41)	128 (5.04)	119 (4.69)	5 (0.20)	128 (5.04)	3.5 (0.14)	4 (0.16)	4 (0.16)	0.88
LSLV0008S100-2	68 (2.68)	61.1 (2.41)	128 (5.04)	119 (4.69)	5 (0.20)	128 (5.04)	3.5 (0.14)	4 (0.16)	4 (0.16)	0.86
LSLV0008S100-4	68 (2.68)	61.1 (2.41)	128 (5.04)	119 (4.69)	5 (0.20)	128 (5.04)	3.5 (0.14)	4 (0.16)	4 (0.16)	0.88

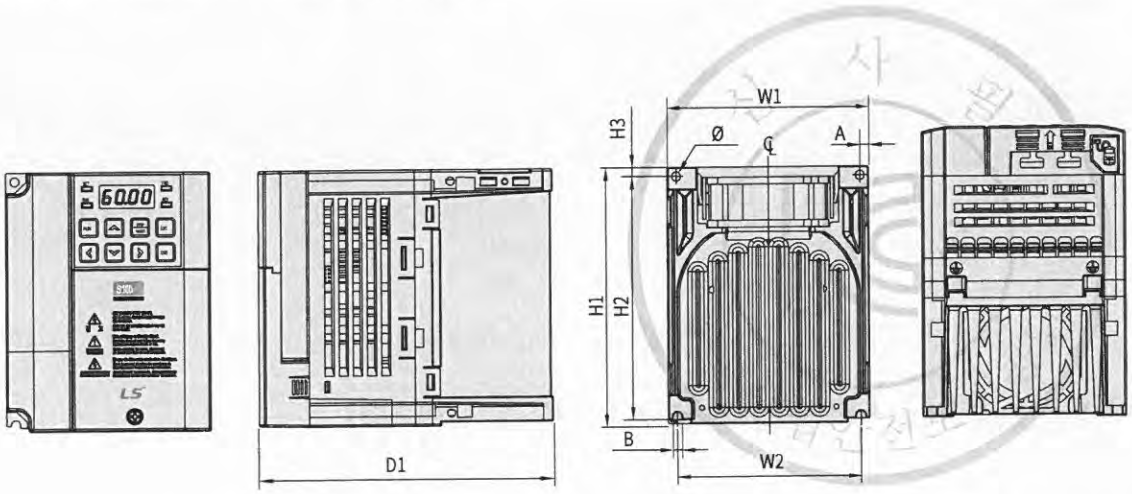
LSLV0008S100-1 / 0015S100-2 / 0015S100-4



단위: mm(inches), kg

드라이브 용량	W1	W2	H1	H2	H3	D1	A	B	Ø	무게
LSLV0008S100-1	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	130 (5.12)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.3
LSLV0015S100-2	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	130 (5.12)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.5
LSLV0015S100-4	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	130 (5.12)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.5

LSLV0015S100-1 / 0022S100-2 / 0022S100-4



단위: mm(inches), kg

드라이브 용량	W1	W2	H1	H2	H3	D1	A	B	Ø	무게
LSLV0015S100-1	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	145 (5.71)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.5
LSLV0022S100-2	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	145 (5.71)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.5
LSLV0022S100-4	100 (3.94)	91 (3.58)	128 (5.04)	120 (4.72)	4.5 (0.18)	145 (5.71)	4.5 (0.18)	4.5 (0.18)	4.5 (0.18)	1.5