



제 2011 - 69296 호

안 전 인 증 서

극동호이스트(주)

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

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

_____ 품 목 _____

호이스트

_____ 형식,모델(용량,등급)/인증번호 _____

KD20-D (20Ton) /11-AQ2AC-00240

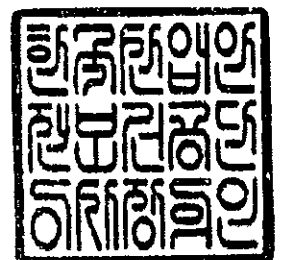
_____ 인 증 기 준 _____

노동부 고시 제2010 - 12호 (위험기계,기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2011 년 01 월 27 일

한국산업안전보건공단 이사장





심사결과통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호 (사업자등록번호)	134-81-013350 134-81-01335
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		
	대표자성명	최성찬		
안전인증대상 기계·기구명		호이스트		
형식(규격)		KD20-D	용량(등급)	20 Ton
인증심사원		조봉희 		

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한 제품심사(형식별) 결과가 적합함을 통지합니다.

2011 년 01 월 27 일

한국산업안전보건공단 경기서부지도원장





심 사 결 과 통 지 서

신청인	사업장명	국동호이스트(주)	사업장관리번호 (사업자등록번호)	134-81-013350 134-81-01335
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		
	대표자 성명	최성찬		
안전인증대상 기계·기구명		호이스트		
형식(규격)		KD20-D	용량(등급)	20 Ton
인증심사원		이영진 서명		

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한 서면심사
결과가 적합함을 통지합니다.

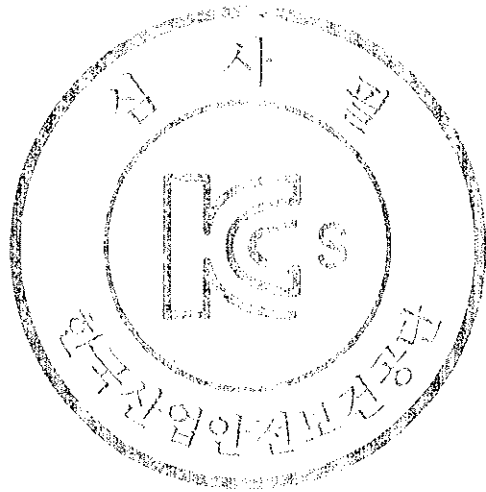
2011 년 01 월 19 일

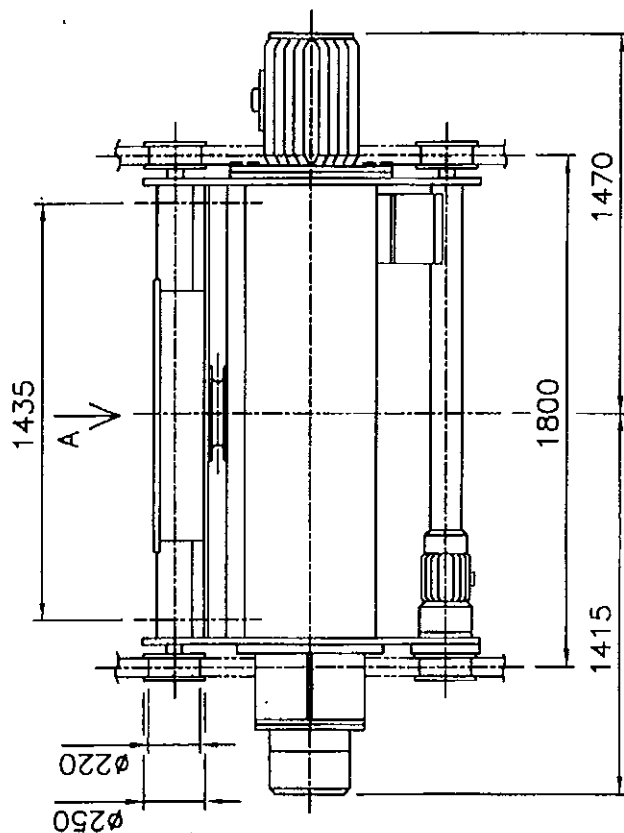
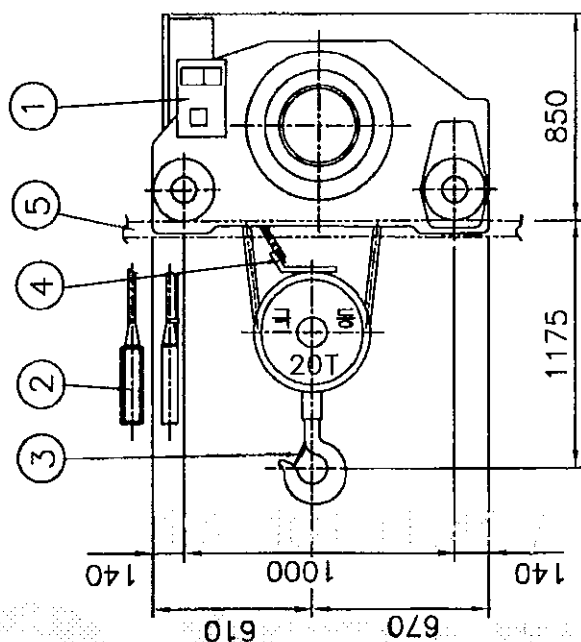
한국산업안전보건공단 서울지역본부장



동일 형식 일람표

사업장명		극동호이스트(주)		개정일자 및 번호		인정번호		비고
형식 및 모델		동일 형식 인정범위 및 내역						
형식	모델	권상속도(m/min)	회행속도(m/min)	양정(m)	회행방식			
KD20-D	KD20-L12-D	고속:4.2M/MIN	고속:15M/MIN	12	모터구동식			
	KD20-L18-D		저속:10M/MIN	18				
	KD20-L24-D	듀얼고속:15/7.5M/MIN 듀얼저속:10/5M/MIN	24					
	KD20-L30-D		30					
	-		-					



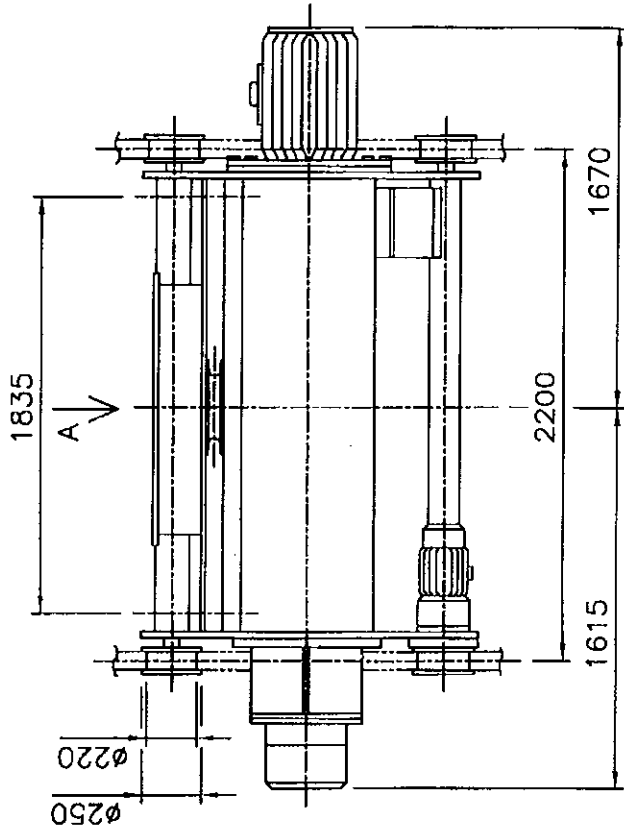
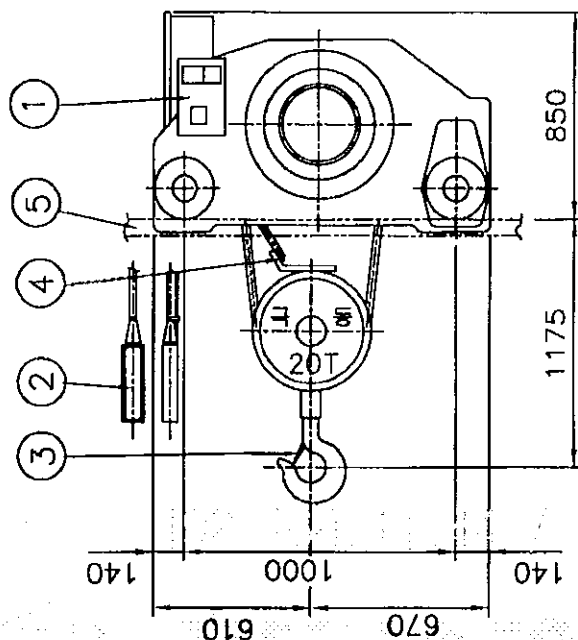


SPECIFICATION			
HOISTING LOAD	20	TON	
	25	TON	
TESTING LOAD	18	M	
HOISTING	SPEED	4.2	M/MIN
		17	KW X BP
	SPEED	2.8	M/MIN
		11.5	KW X 12P
	SPEED	15	M/MIN
		1.5	KW 4 P
	SPEED	10	M/MIN
		1.0	KW 6 P
	SPEED	15/7.5	M/MIN
		1.5/0.75	KW 4/8 P
SPEED	10/5	M/MIN	
	1.0/0.5	KW 6/12 P	
(6x37) Ø22.4 x 4 FALLS			
WIRE ROPE	AC3#220/380,440,460,480V60Hz		
POWER SOURCE	22 KG/M		
TRAVERSING RAIL	2410 KG		
GROSS WEIGHT			

구분
내용
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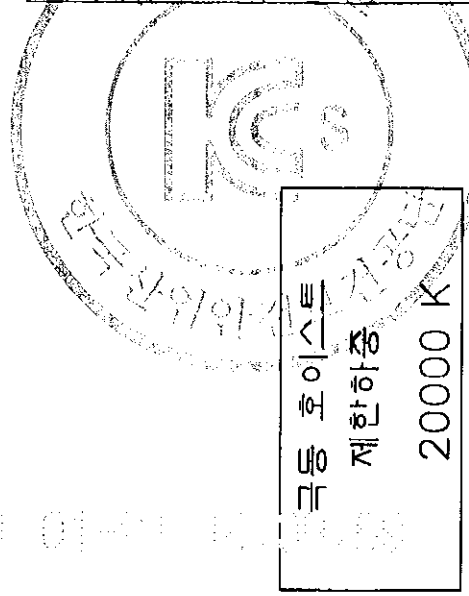
A VIEW

5	T/S RAIL	-	-	-	-	22KG/M
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SS400	1			
2	EMERGENCY S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(kg)	REMARKS.
PROJECT		DATE				
		97.10.23.				
TITLE		SCALE				
KD20 - L18 - D		A3/20				
ARRANGEMENT DRAWING FOR HOIST		3rd				
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING		
 KID KUK DONG HOIST CO., LTD.		SHEET No.		DWG No.		
		KD20D1800				



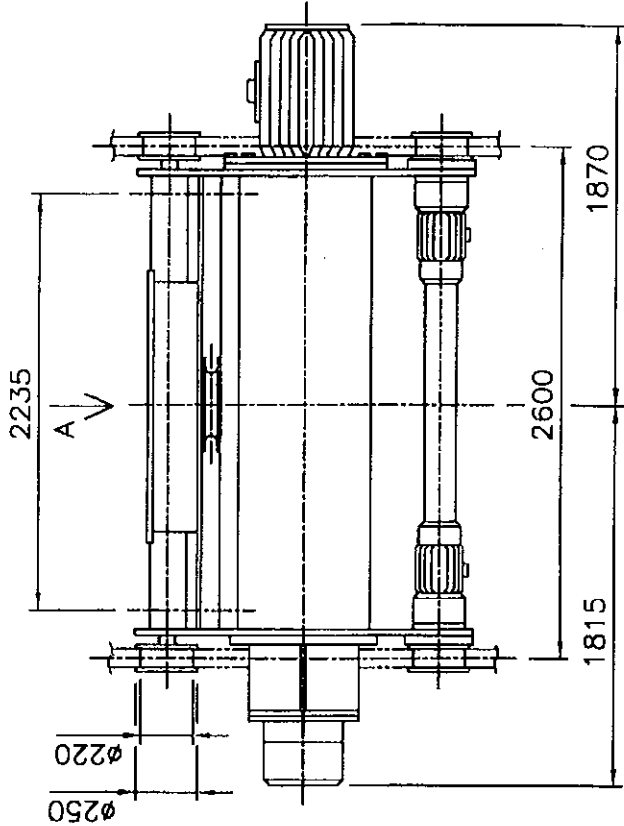
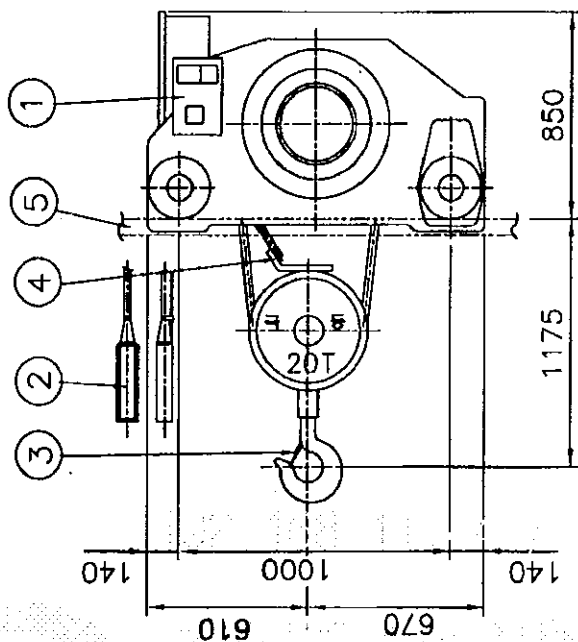
SPECIFICATION			
HOISTING LOAD	20	TON	
TESTING LOAD	25	TON	
LIFT	24	M	
SPEED	4.2	M/MIN	
MOTOR	17	KW X 8P	
SPEED	2.8	M/MIN	
MOTOR	11.5	KW X 12P	
SPEED	15	M/MIN	
MOTOR	1.5	KW 4 P	
SPEED	10	M/MIN	
MOTOR	1.0	KW 6 P	
DUAL SPEED	15/7.5	M/MIN	
HIGH MOTOR	1.5/0.75	KW 4/8 P	
DUAL SPEED	10/5	M/MIN	
LOW MOTOR	1.0/0.5	KW 6/12 P	
WIRE ROPE	(6x37) Ø22.4 x 4 FALLS		
POWER SOURCE	AC3Ø220(380,440,460,480)V60Hz		
TRAVERSING RAIL	22 KG/M		
GROSS WEIGHT	2530	KG	

5	T/S RAIL	-	-	-	22KG/M	
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SS400	1			
2	EMERGENCY S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	MT'L	SUB QTY	SUB TOTAL	TOTAL WEIGHT(Kg)	REMARKS.
PROJECT					DATE	DIM
					97.10.23.	mm
TITLE		KD20 - L24 - D			SCALE	PROJECTION
		ARRANGEMENT DRAWING FOR HOIST			A3/20	3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING		
		극동호이스트 주식회사 KUK DONG HOIST CO., LTD.			SHEET No.	DWG No.
					KD20D2400	



VIEW A





SPECIFICATION			
HOISTING LOAD	20 TON	25 TON	
TESTING LOAD	20 TON	25 TON	
LIFT	30 M	4.2 M/MIN	
HOISTING	HIGH	17 KW X 8P	
	LOW	2.8 M/MIN	
	HIGH	11.5 KW X 12P	
	LOW	15 M/MIN	
TRAVERSING	HIGH	1.5 KW 4 P (2UNIT)	
	LOW	10 M/MIN	
	DUAL	1.0 KW 6 P (2UNIT)	
	HIGH	15/7.5 M/MIN	
	LOW	1.5/0.75 KW 4/8 P(2UNIT)	
	DUAL	10/5 M/MIN	
	LOW	1.0/0.5 KW 6/12 P(2UNIT)	
WIRE ROPE	(6x37) #22.4 x 4 FALLS		
POWER SOURCE	AC3#220(380,440,460,480)V60Hz		
TRAVERSING RAIL	22 KG/M		
GROSS WEIGHT	2650 KG		

5	T/S RAIL	-	-	-	22KG/M	
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SPC	1			
2	EMERGENCY S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	MTL	SUB QTY	SUB TOTAL	TOTAL WEIGHT(Kg)	REMARKS.
PROJECT						
TITLE						
ARRANGEMENT DRAWING FOR HOIST						
DRAWN DESIGNED CHECKED APPROVED						
REF. DRAWING						
DATE						
97.10.23.						
SCALE						
A3/20						
PROJECTION						
3rd						
SHEET No. DWG No.						
KUK DONG HOIST CO., LTD.						
KD20D3000						



VIEW A

극동 호이스트
제한하중
20000 K

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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극동호이스트
제한하중
20000K

사용 전압 : 000V
조작 전압 : 000V

도어커버 개폐시 ON/OFF

④

①

②

③

⑤

⑥

NO	DESCRIPTION	MT'L	REMARKS
1	PANEL CASE	SPC	1.6t
2	PANEL COVER	SPC	1.6t
3	HINGE	PUR'	
4	CLAMP	PUR'	
5	SPONGE	PUR'	
6	MIRCO S/W	PUR'	도어커버 개폐시 ON/OFF

IN DOOR

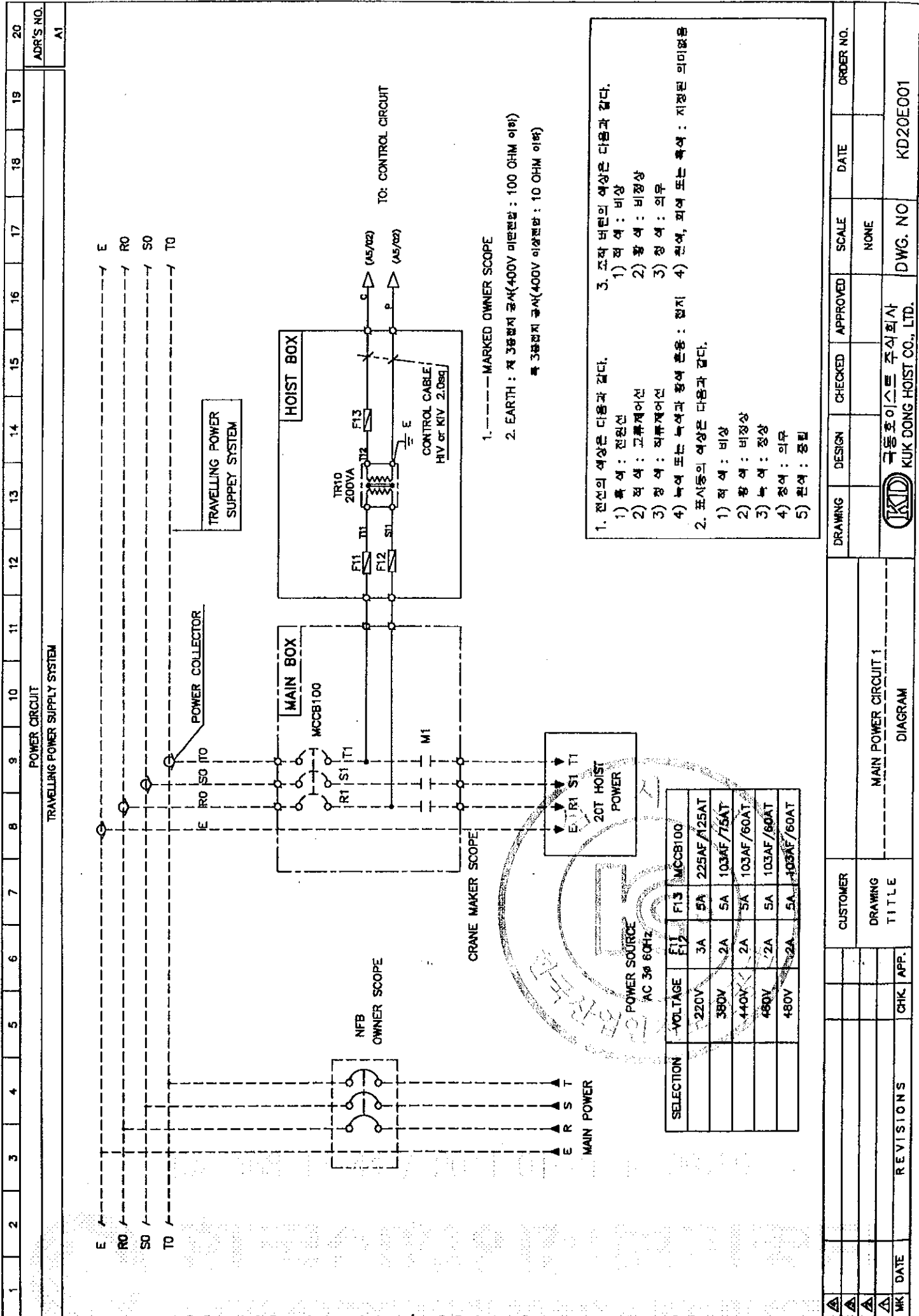
OUT DOOR

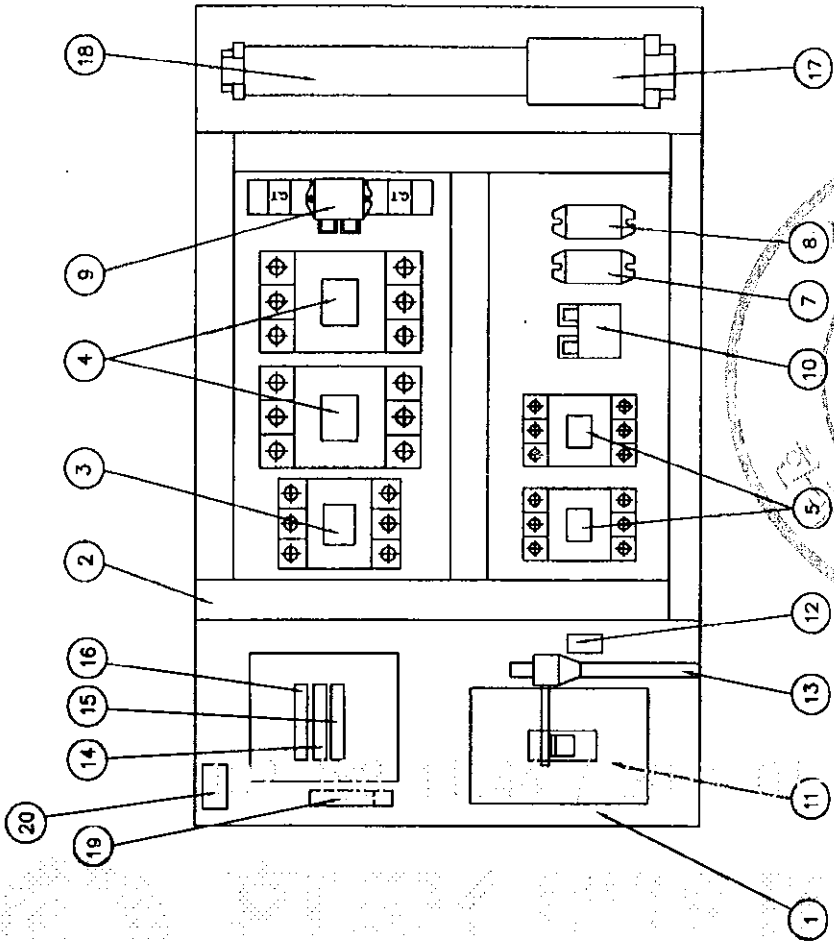
NOTE

- PROTECTION DEGREE :
 - A. INDOOR TYPE : DUST PROOF
 - B. OUT DOOR TYPE : SPLASH PROOF
- FINAL PAINTING COLOR (MANSELL NO.)
 - A. IN SIDE : 10B 3/5
 - B. OUT SIDE : 10B 3/5
- PAINTING THICKNESS : ABOVE 40 μ m
- APPLICATION VOLTAGE : 220V, 380V, 440V, 460V, 480V
- 제어용 전선 : 2.0sq KIV, H/V
- 외함 개방구조는 다음과 같다.
 - 1) 외함 개방시 충전부분이 차단되도록 한다.
 - 2) 외함 개방 후 충전되어있는 부분은 P2X 이상의 직접접속 방호가 되어있을것.

SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR			OUT DOOR			REMARK
			A	B	L	A	B	L	
[Symbol]	20 TON	NORMAL	650	220	850	660	220	860	
	20 TON	CREEP	650	220	850	660	220	860	

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A																																																	
DRAWING										DESIGN										CHECKED										APPROVED										SCALE										DATE										ORDER NO.									
KUD										극동호이스트 주식회사 KUK DONG HOIST CO., LTD.										DWG. NO										KD20EB00																																							





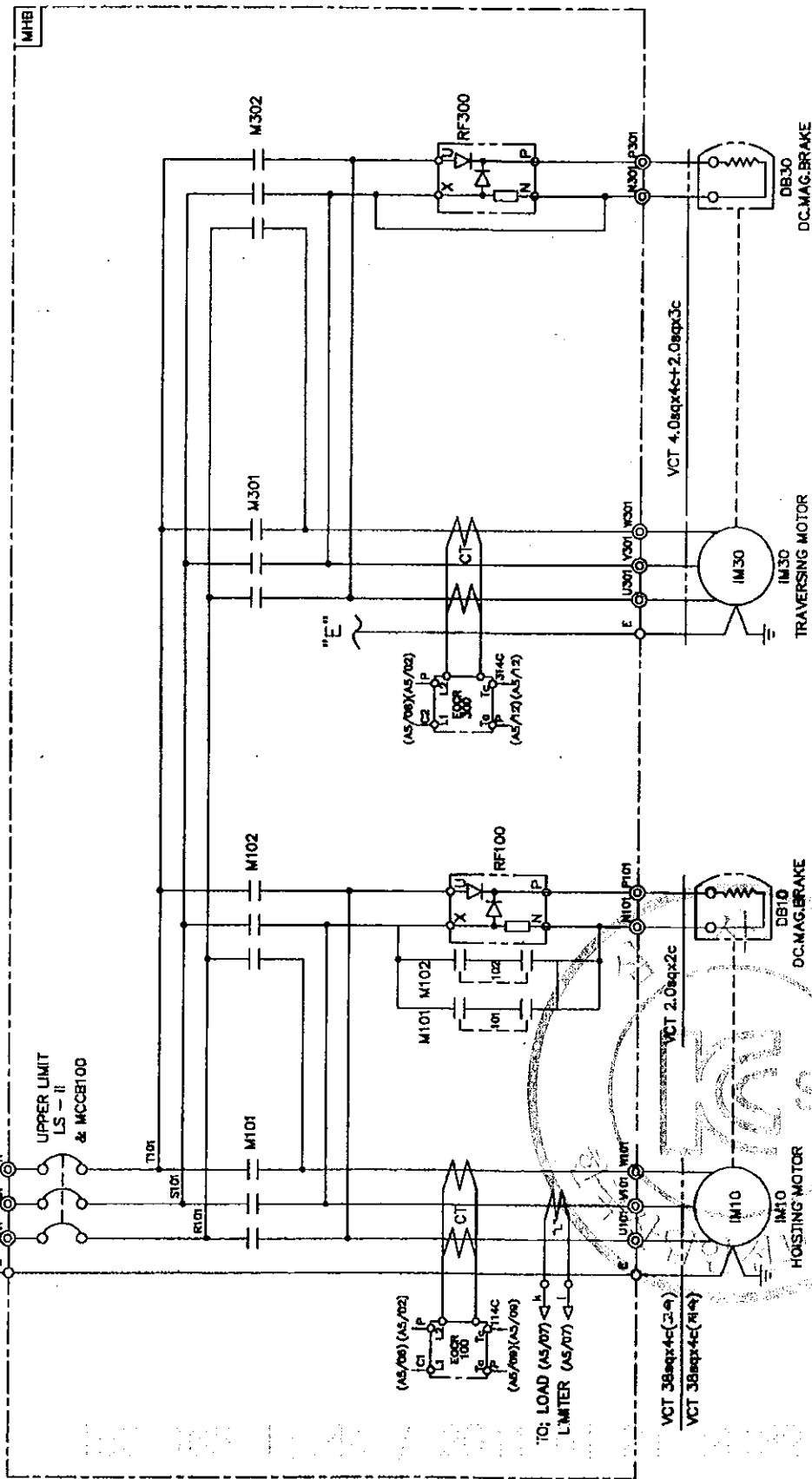
NOTE
 1. UPPER LIMIT LS-1의 점령 허용 전류 용량 : AC 600V, 3A
 2. UPPER LIMIT LS-2의 점령 허용 전류 용량 : NFB 225AF
 3. EARTH TERMINAL RESISTANCE : 0.018 Ω
 4. POWER SOURCE : AC 3φ 220V 60HZ

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아연 도금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	GMC-100P	1	M1, MAIN MAG.
4	MAGNET CONTACT	GMC-180P	2	HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-100	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	MCCB100	225AF/125AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-41	1	
14	FUSE (F11,F12)	3 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	220V/110,120V, 200VA	1	
17	TERMINAL BLOCK	100A, 25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5t25x50	1	
20	MICRO SWITCH	HY-R704B	1	

- NOTE 1. 전선의 색상은 다음과 같다.
 1) 흑색 : 공통 및 좌류 전원선으로
 2) 적색 : 공통 제어회로
 3) 주황색 : 외부 전원에서 공급되는 전동장치 제어회로
 4) 녹색 또는 노색과 황색 혼용 : 접지선
 2. CABLE MATERIAL : KIV OR EQUIVALENT
 MIN SIZE : 2.0sq
 3. 제어용 전선 : 2.0mm KIV/HIV
 4. 제폭시 다소 변경 될수있음.
 5. 외함 개방시 용전부분이 차단되도록 할것.
 1) 외함 개방후 용전부분이 차단되어있는 부분엔 IP2X 이상의 차폐 장치가 되어있을것.
 2) 외함 개방후 용전부분이 차단되어있는 부분엔 IP2X 이상의 차폐 장치가 되어있을것.

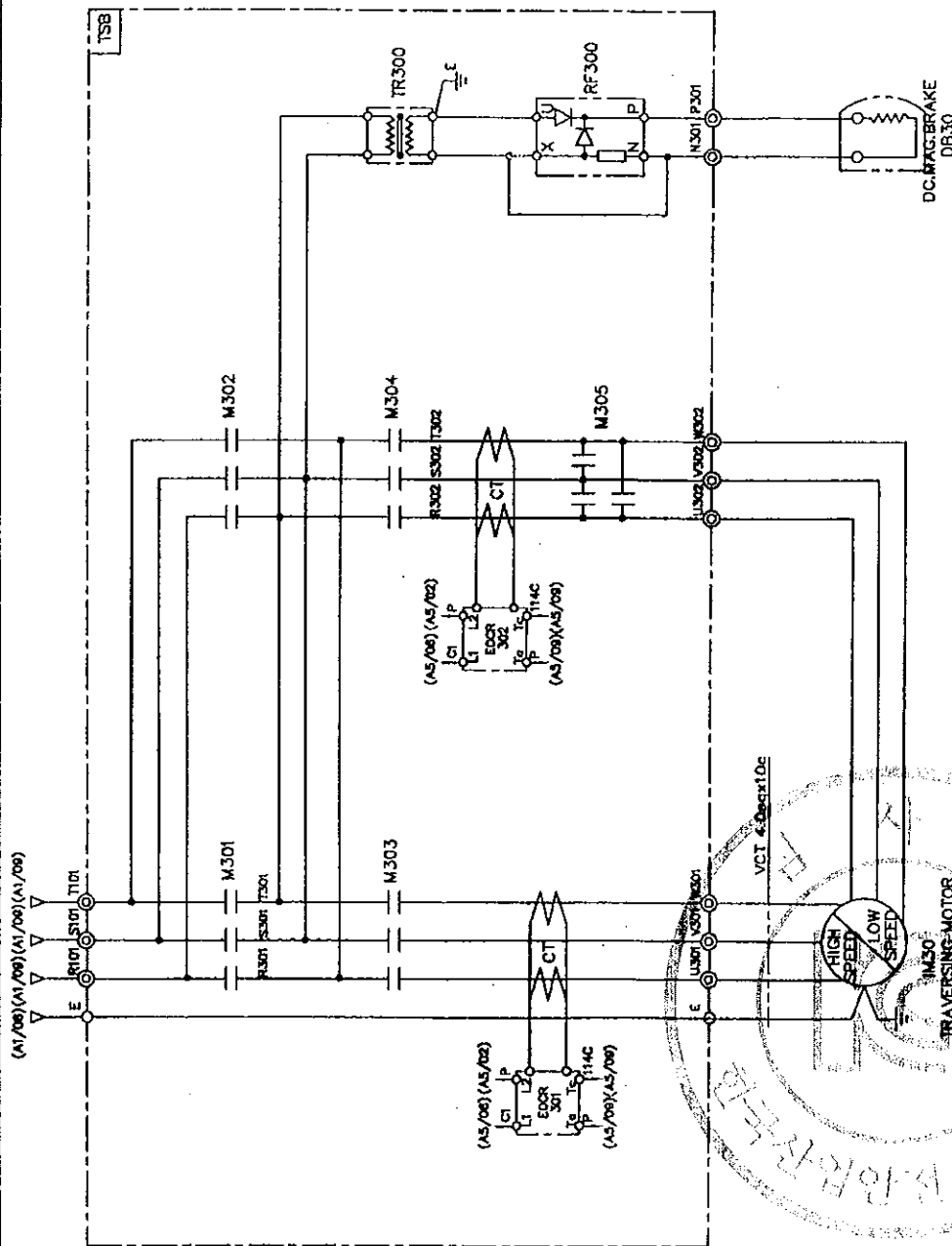
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				NONE		
KUD KUK DONG HOIST CO., LTD.						DWG. NO
KUD KUK DONG HOIST CO., LTD.						KD20BA21
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
DATE	REVISIONS	CHK	APP.			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HOISTING MOTION										POWER CIRCUIT									
HOISTING MOTION										TRAVERSING MOTION									
(A5/06)(A1/06)(A1/07)(A1/07)										81									
ADR'S NO										81									

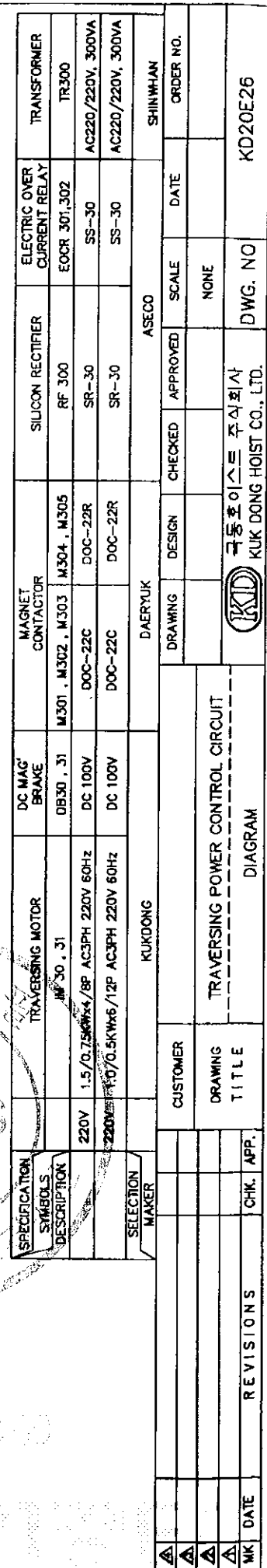


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	HOISTING TRAVERSING MOTOR	FUSE BREAKER	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE												
DESCRIPTION	20TON AC3PH 220V 60Hz	IM 10	IM 10	LS - II & MCCB100	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	JDL-100	C20-01												
SELECTION MAKER	20TON AC3PH 220V 60Hz	IM 10	IM 10	LS - II & MCCB100	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	JDL-100	C20-01												
DRAWING TITLE	HOISTING & T/S POWER CONTROL CIRCUIT	IM 10	IM 10	LS - II & MCCB100	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	JDL-100	C20-01												
REVISIONS	CHK. APP.	IM 10	IM 10	LS - II & MCCB100	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	JDL-100	C20-01												
DATE	2011.01.21	IM 10	IM 10	LS - II & MCCB100	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	JDL-100	C20-01												
KUKDONG																								
CUSTOMER																								
DRAWING TITLE																								
HOISTING & T/S POWER CONTROL CIRCUIT																								
DIAGRAM																								
KUKDONG																								
DAERYUK																								
KUKDONG																								
APPROVED																								
SCALE																								
DATE																								
NONE																								
DWG. NO																								
KUKDONG HOIST CO., LTD.																								
KD20E22																								

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



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

NOTE

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

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

3. EARTH TERMINAL RESISTANCE : 0.018 Ω

4. POWER SOURCE : AC, 3φ, 380V 60HZ

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아연 도금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	GMC-6SP	1	M1, MAIN MAG.
4	MAGNET CONTACT	GMC-12SP	2	HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	MCCB100	103AF/75AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-41	1	
14	FUSE (F11, F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	380V/110, 120V, 200VA	1	
17	TERMINAL BLOCK	60A, 25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5t x 25 x 50	1	
20	MICRO SWITCH	HY-R704B	1	

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선

2) 적색 : 교류 제어회로

3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로

4) 녹색 또는 노색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

3. 제어용 전선 : 2.0mm KIV, H1V

4. 제작시 다소 변경 될수있음.

5. 외관 기밀구조는 다음과 같음.

1) 외관 개방시 용접부분이 차단되도록 함.

2) 외관 개방후 중전되어있는 부품을 IP2X 이상의 차단 접속 방호가 되어있을것.

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		

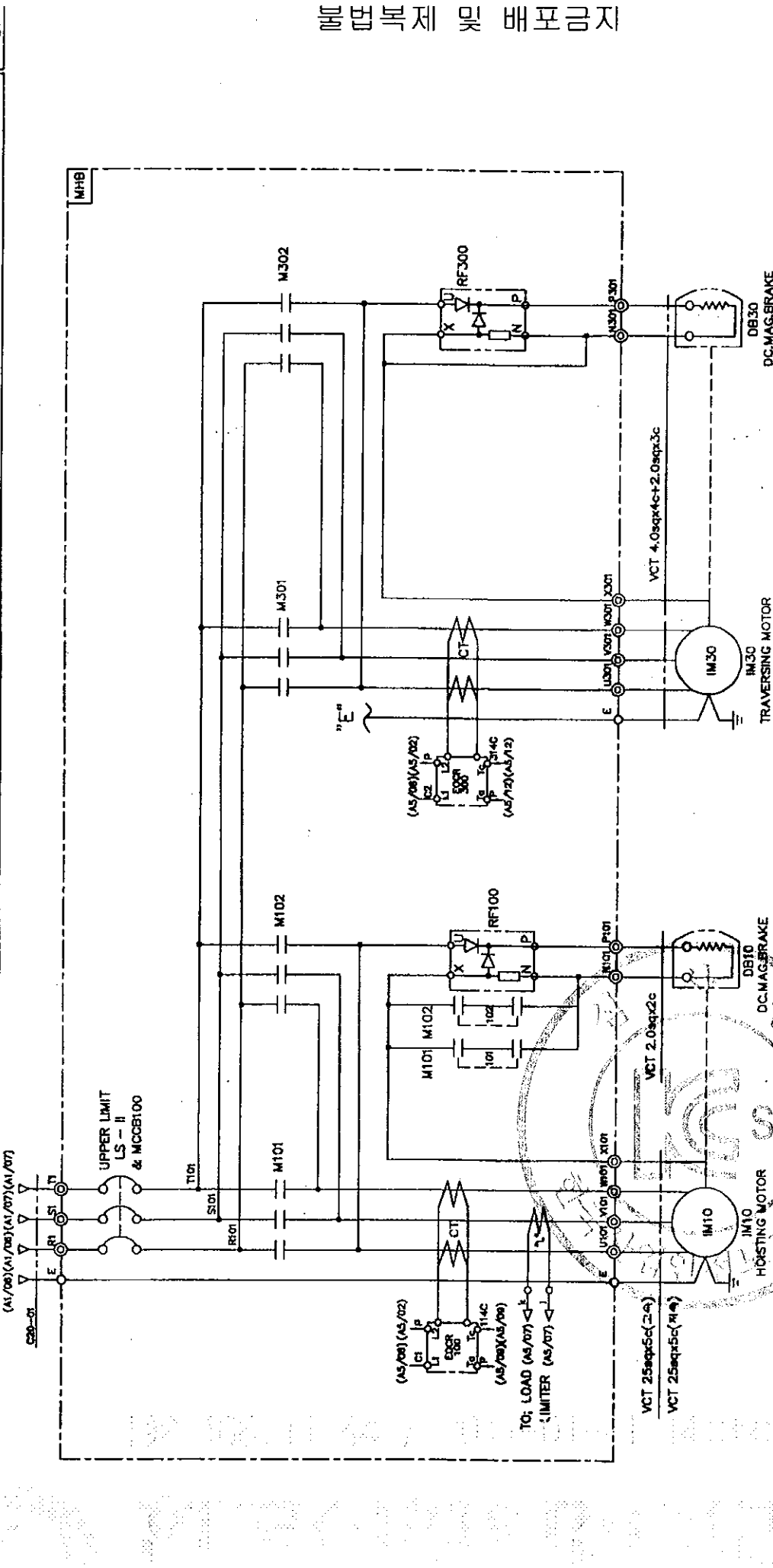
극동호이스톤 주식회사
KUK DONG HOIST CO., LTD.

HOISTING CONTROL BOX
ARRANGEMENT DRAWING

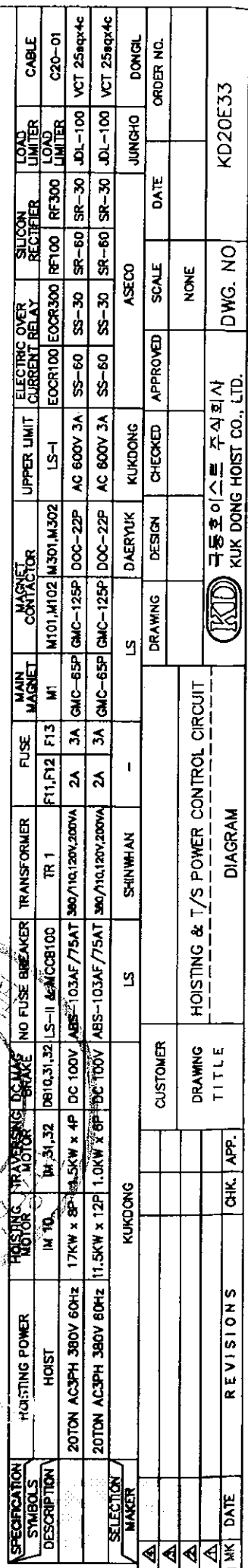
DWG. NO. KD20BA31

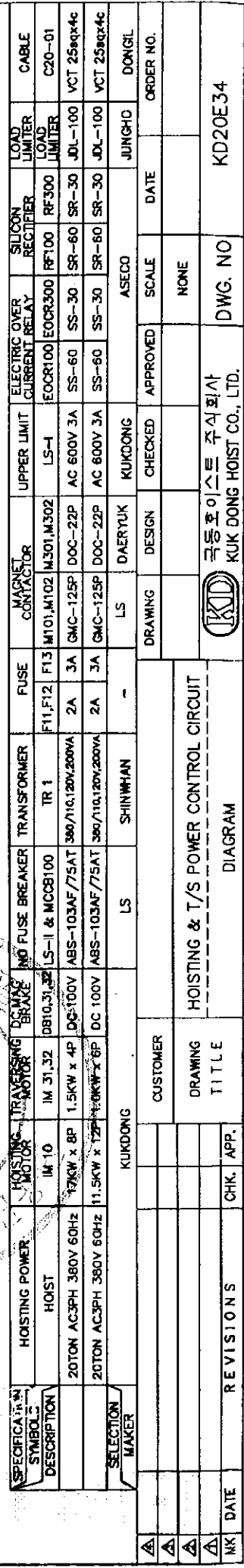
DATE	REVISIONS	CHK.	APP.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										TRAVERSING MOTION									
HOISTING MOTION										HOISTING MOTION									
C20-01										C20-01									
ADR'S NO										B1									

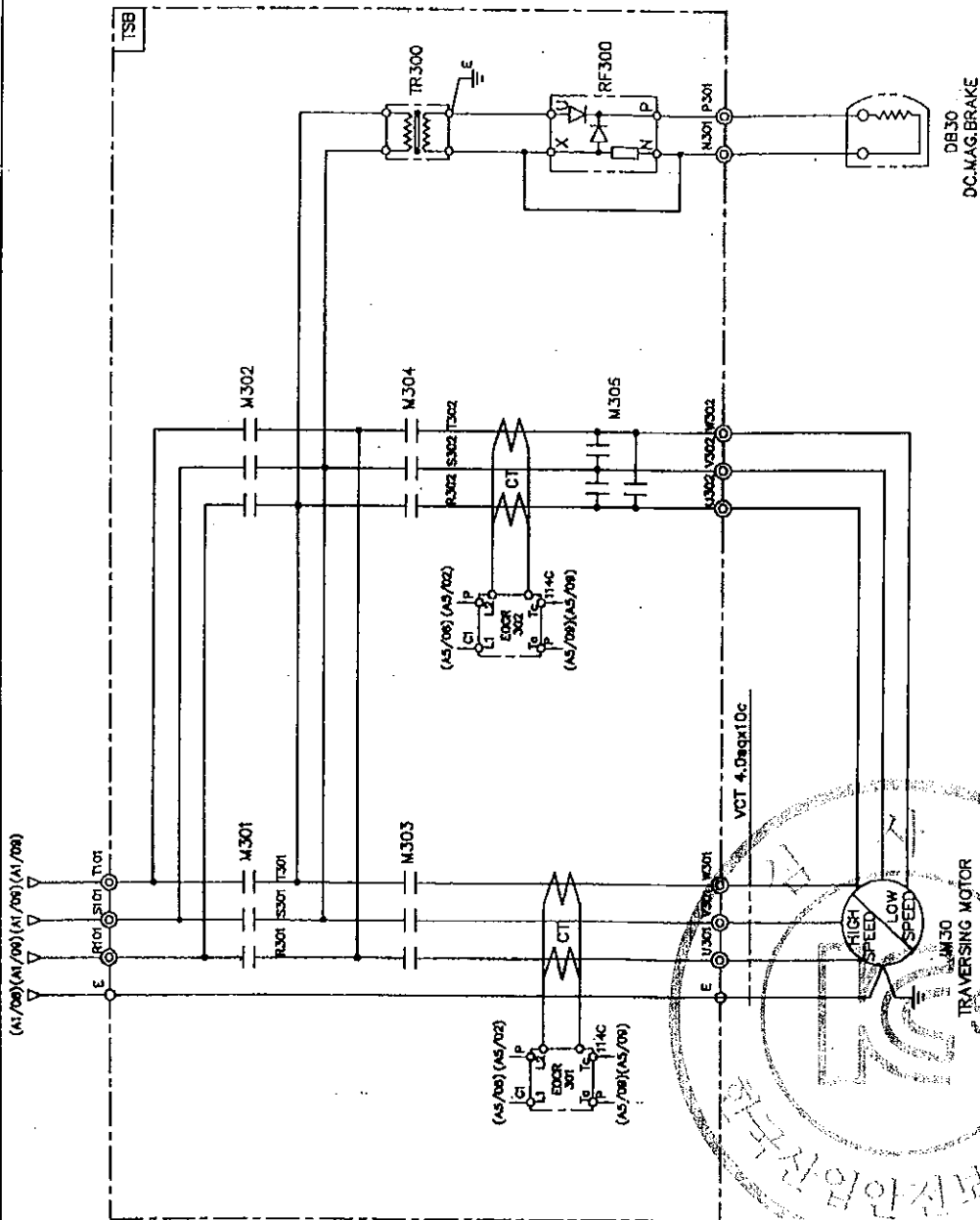


SPECIFICATION	SYMBOL	DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRAVERSING POWER	TRAVERSING MOTOR	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
20TON AC3PH 380V 60Hz	IM 10	17KW x 8P	IM 10	IM 10	IM 30	IM 30	TR 1	F1, F2	M101, M102	LS-1	EOCR100	RF100	RF300	C20-01
20TON AC3PH 380V 60Hz	IM 30	11.5KW x 12P	IM 30	IM 30	IM 30	IM 30	TR 1	2A	GMC-125P	DOC-22P	SS-60	SS-60	SS-60	VCT 25sqx4c
20TON AC3PH 380V 60Hz	IM 30	11.5KW x 12P	IM 30	IM 30	IM 30	IM 30	TR 1	2A	GMC-125P	DOC-22P	SS-60	SS-60	SS-60	VCT 25sqx4c
SELECTION MAKER														
KUKDONG														
CUSTOMER														
DRAWING TITLE														
HOISTING & T/S POWER CONTROL CIRCUIT														
DIAGRAM														
DRAWING														
DESIGN														
DAERYUK														
LS														
SHINWHAN														
KUKDONG														
JUNGHU														
DONGIL														
DATE														
SCALE														
NONE														
APPROVED														
KUKDONG HOIST CO., LTD.														
DWG. NO														
KD20E32														



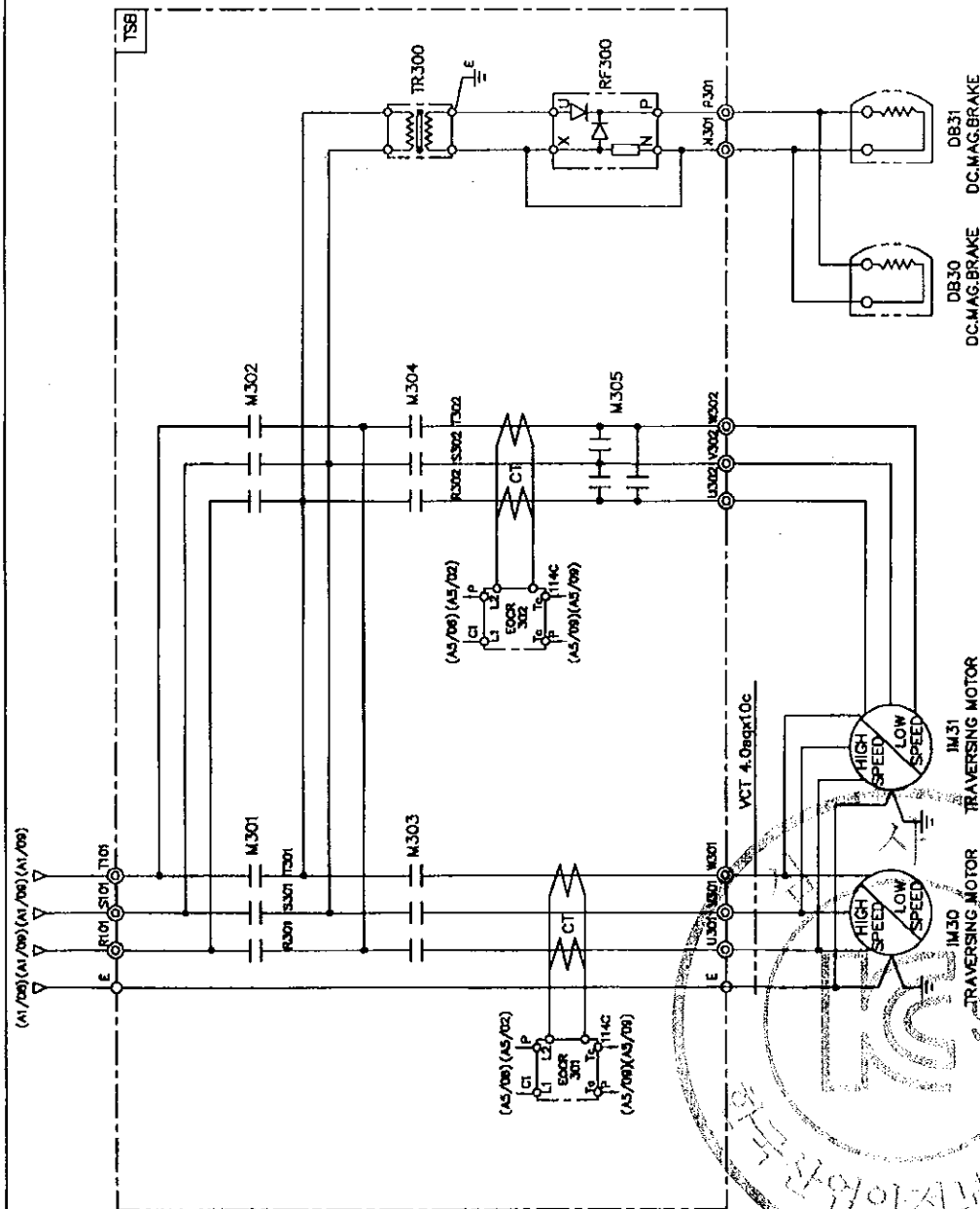


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



SPECIFICATION SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		M301, M302, M303, M304, M305		RF 300		EOCR 301, 302		TR 300	
380V		1.5/3.0SKWx4/8P AC3PH 380V 60Hz		DOC-22C		SR-30		SS-30		AC380/220V, 300VA	
380V		1.0/0.5KWx6/12P AC3PH 380V 60Hz		DOC-22C		SR-30		SS-30		AC380/220V, 300VA	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO		SHINWHAN			
CUSTOMER				DRAWING		DESIGN		CHECKED		APPROVED	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		SCALE		NONE		DATE		ORDER NO.	
CHK. APP.		DIAGRAM		DWG. NO		KUKDONG HOIST CO., LTD.		KD20E35			
REVISIONS											
DATE											

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



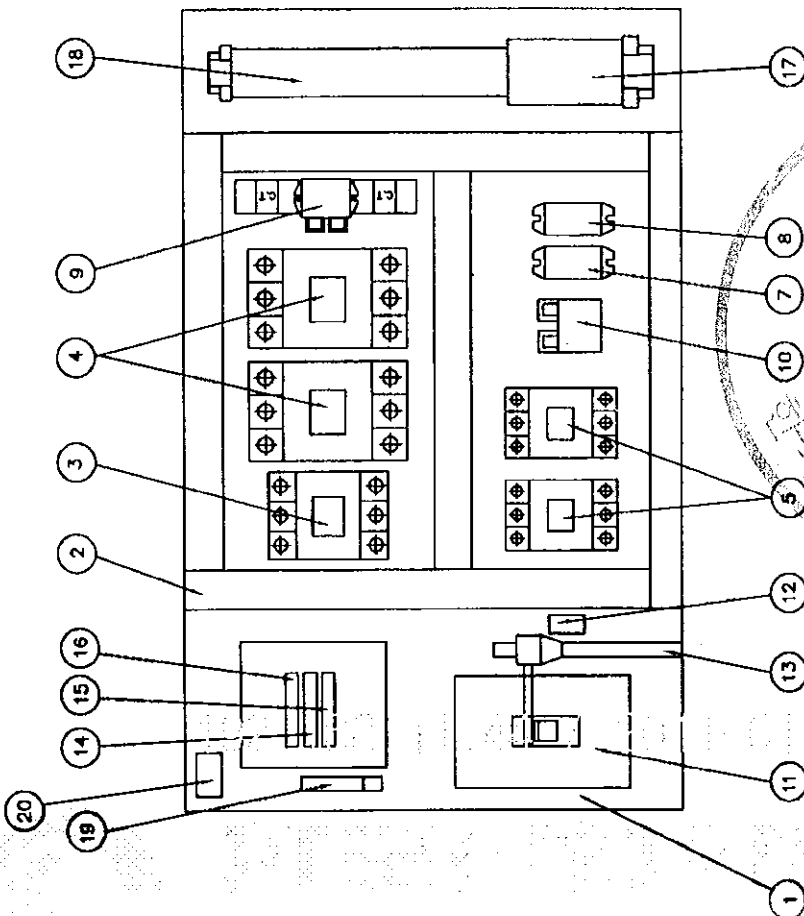
SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERING MOTOR		IM 30, 31		380V 1.5/0.75KWx4/8P AC3PH 380V 60Hz		DB30, 31		RF 300		EOCR 301,302		TR300	
TRAVERING MOTOR		IM 30, 31		380V 1.0/0.5KWx6/12P AC3PH 380V 60Hz		DB30, 31		SR-30		SS-30		AC380/220V, 300VA	
TRAVERING MOTOR		IM 30, 31		380V 1.0/0.5KWx6/12P AC3PH 380V 60Hz		DB30, 31		SR-30		SS-30		AC380/220V, 300VA	
SELECTION MAKER		KUKDONG				DAERYUK		ASECO				SHINWHAN	
CUSTOMER						DRAWING		DESIGN		CHECKED		APPROVED	
DRAWING TITLE		TRAVERING POWER CONTROL CIRCUIT											
REVISIONS													
DATE													
CHK.													
APP.													
DWG. NO.													
ORDER NO.													
DATE													
KUKDONG HOIST CO., LTD.													
KD20E36													

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

NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	GMC-6SP	1	M1, MAIN MAG.
4	MAGNET CONTACT	GMC-12SP	2	HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	MCCB100	103AF/60AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-41	1	
14	FUSE (F1,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	440V/110,120V, 200VA	1	
17	TERMINAL BLOCK	60A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5x25x50	1	
20	MICRO SWITCH	HY-R704B	1	

NOTE 1. 전선의 색상은 다음과 같다.

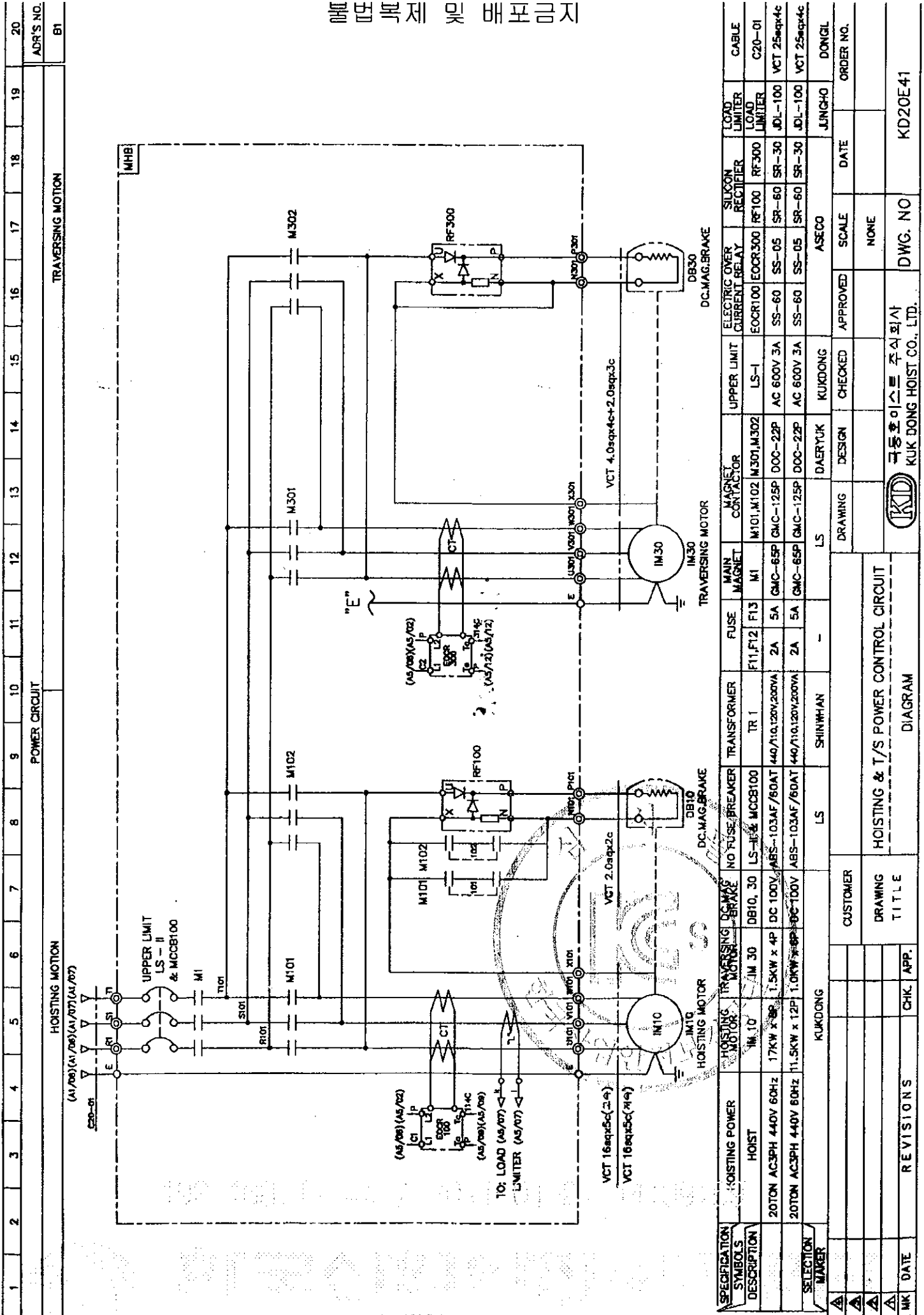
- 1) 흑색 : 고압 및 저압 전원선
 - 2) 적색 : 고압제어회선
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회선
 - 4) 녹색 또는 노색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
3. 제어용 전선 : 2.0mm KIV,HIV
4. 제라시 다스 변경 필수있음.
5. 외함 개방구조는 다음과 같음.
- 1) 외함 개방시 중립부분이 차단되도록 함.
 - 2) 외함 개방후 중립되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

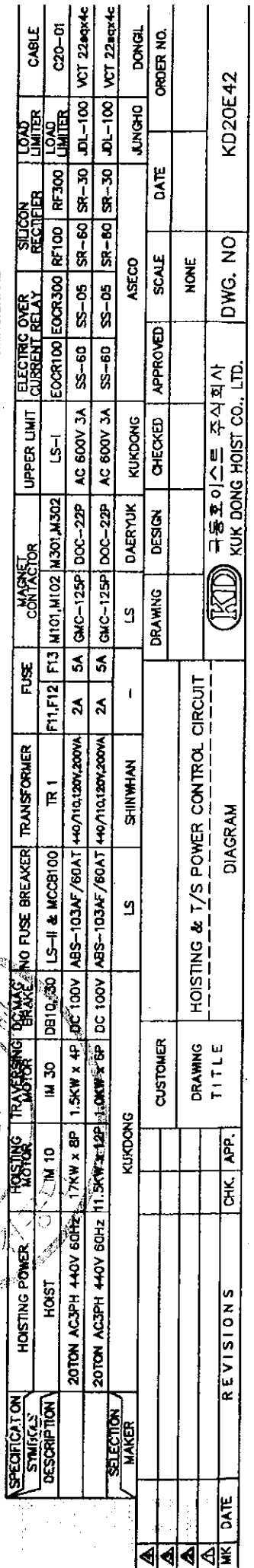


NOTE

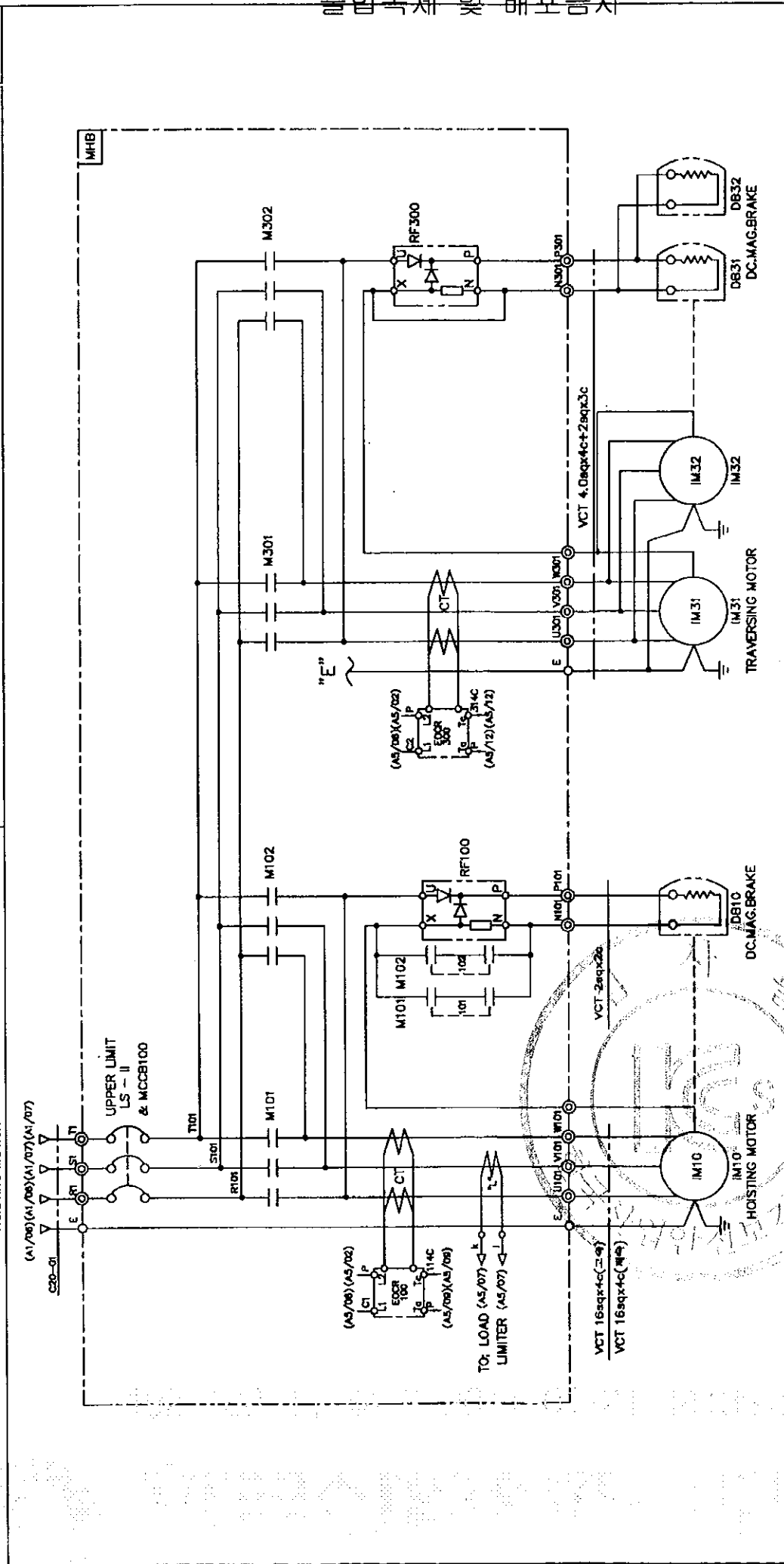
1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 440V 60HZ

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KD20BA41
극동호이스트 주식회사						DWG. NO
ARRANGEMENT DRAWING						
HOISTING CONTROL BOX						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE	CHK.	APP.				



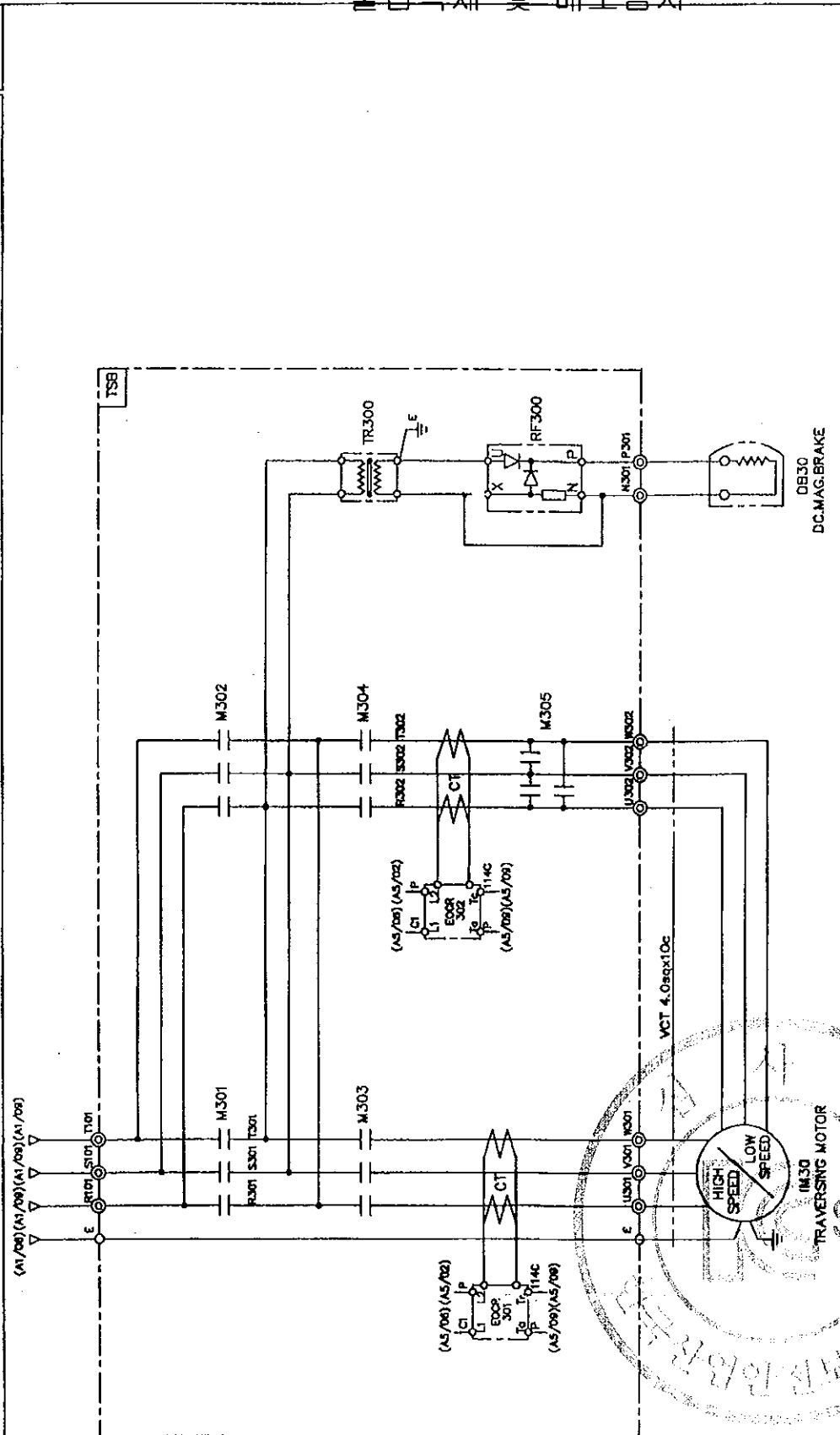


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										TRAVERSING MOTION									
HOISTING MOTION										B1									
HOISTING MOTION										B1									

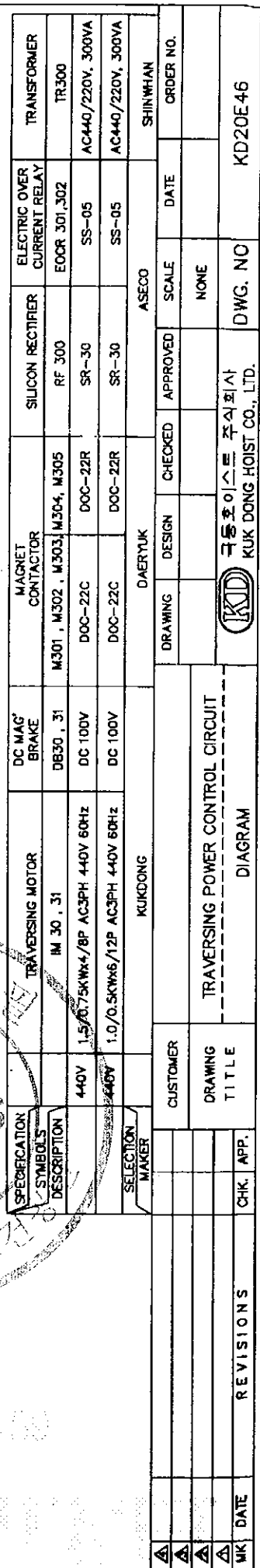


SPECIFIC in this SYMBOLS		HOISTING POWER	HOISTING MOTOR	TRAVERSING MOTOR	DC MAG. BRAKE	DC MAG. BRAKE	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE			
DESCRIPTION		HOIST	IM 10	IM 31,32	DB10,31,32	LS-II & MCCB100	TR 1	F11,F12	F13	M101,M102	M301,M302	LS-I	EOCR100	RF100	RF300	C20-01	
		20TON AC3PH 440V 60Hz	1.5KW x 8P	1.5KW x 4P	DC 100V	ABS-103AF /60AT	440/110,120V,200VA	2A	5A	CNC-125P	DGC-22P	AC 600V 3A	SS-60	SS-05	SR-60	JDL-100	VCT 25sqx4c
		20TON AC3PH 440V 60Hz	11.5KW x 12P	1.5KW x 6P	DC 100V	ABS-103AF /60AT	440/110,120V,200VA	2A	5A	CNC-125P	DGC-22P	AC 600V 3A	SS-60	SS-05	SR-60	JDL-100	VCT 18sqx4c
SELECTION MAKER		KUKDONG				LS	SHINWHAN	-		LS	DAERYUK	KUKDONG	APPROVED		SCALE	DATE	ORDER NO.
		CUSTOMER															
		DRAWING TITLE				HOISTING & T/S POWER CONTROL CIRCUIT											
		CHK. APP.				DIAGRAM											
REVISIONS						KUKDONG HOIST CO., LTD.											
DATE						DWG. NO											
						KD20E44											

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



SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERING MOTOR		IM 30		440V 1.5/0.75KW/4/8P AC3PH 440V 50Hz		M301, M302, M303, M304, M305		RF 300		EOCR 301, 302		TR300	
DC MAG. BRAKE		DB30		DC 100V		DOC-22C		SR-30		SS-05		AC440/220V, 300VA	
SELECTION		MAKER		KUKDONG		DOC-22C		SR-30		SS-05		AC440/220V, 300VA	
DAERYUK		DESIGN		CHECKED		APPROVED		SCALE		DATE		SHINW-AN	
CUSTOMER		DRAWING		TITLE		DWG. NO		ORDER NO.					
KUKDONG		TRAVERING POWER CONTROL CIRCUIT		DIAGRAM		KUKDONG HOIST CO., LTD.		KD20E45					
CHK.		REV.		DATE		DATE		DATE		DATE		DATE	
APP.		REV.		DATE		DATE		DATE		DATE		DATE	

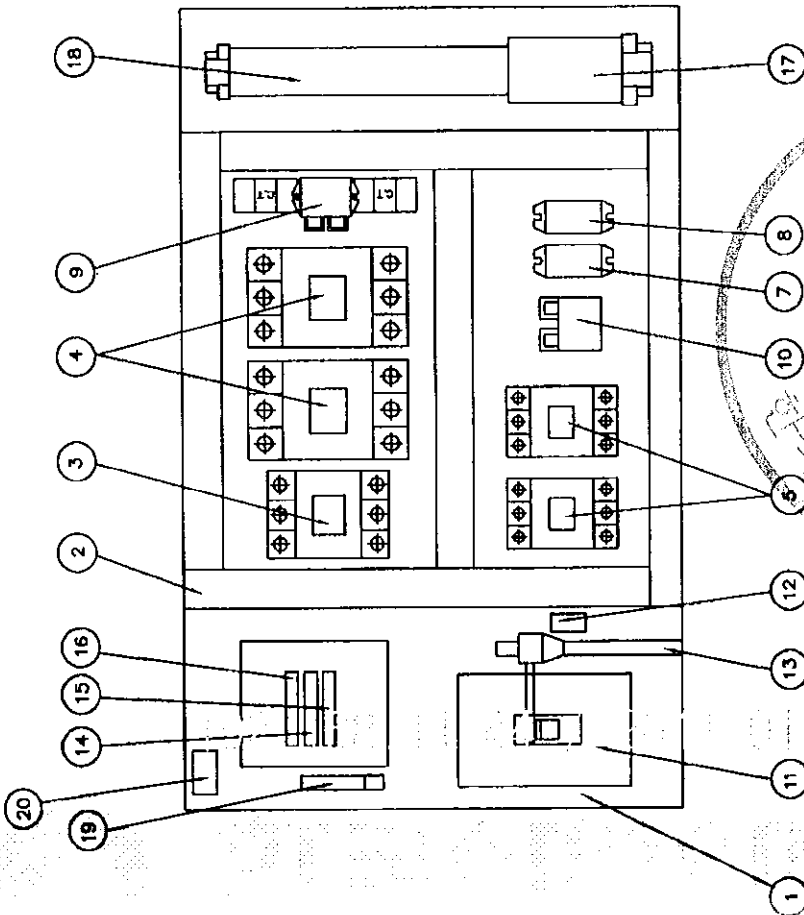


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
ADR'S NO.																			

NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	하연 도금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	GMC-6SP	1	M1, MAIN MAG.
4	MAGNET CONTACT	GMC-12SP	2	HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	MCB100	103AF/60AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-41	1	
14	FUSE (F11,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	460V/110,120V, 200VA	1	
17	TERMINAL BLOCK	60A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5x25x50	1	
20	MICRO SWITCH	HY-R704B	1	

NOTE 1. 전선의 역상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선로
 - 2) 적색 : 교류 제어회로
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
4. 제자리 다소 변경 될수있함.
5. 외함 기방구조는 다음과 같음것.
- 1) 외함 개방시 용전부분이 차단되도록 함것.
 - 2) 외함 개방후 용전되어있는 부분은 IP2X 이상의 적절 접촉 방호가 되어있음것.

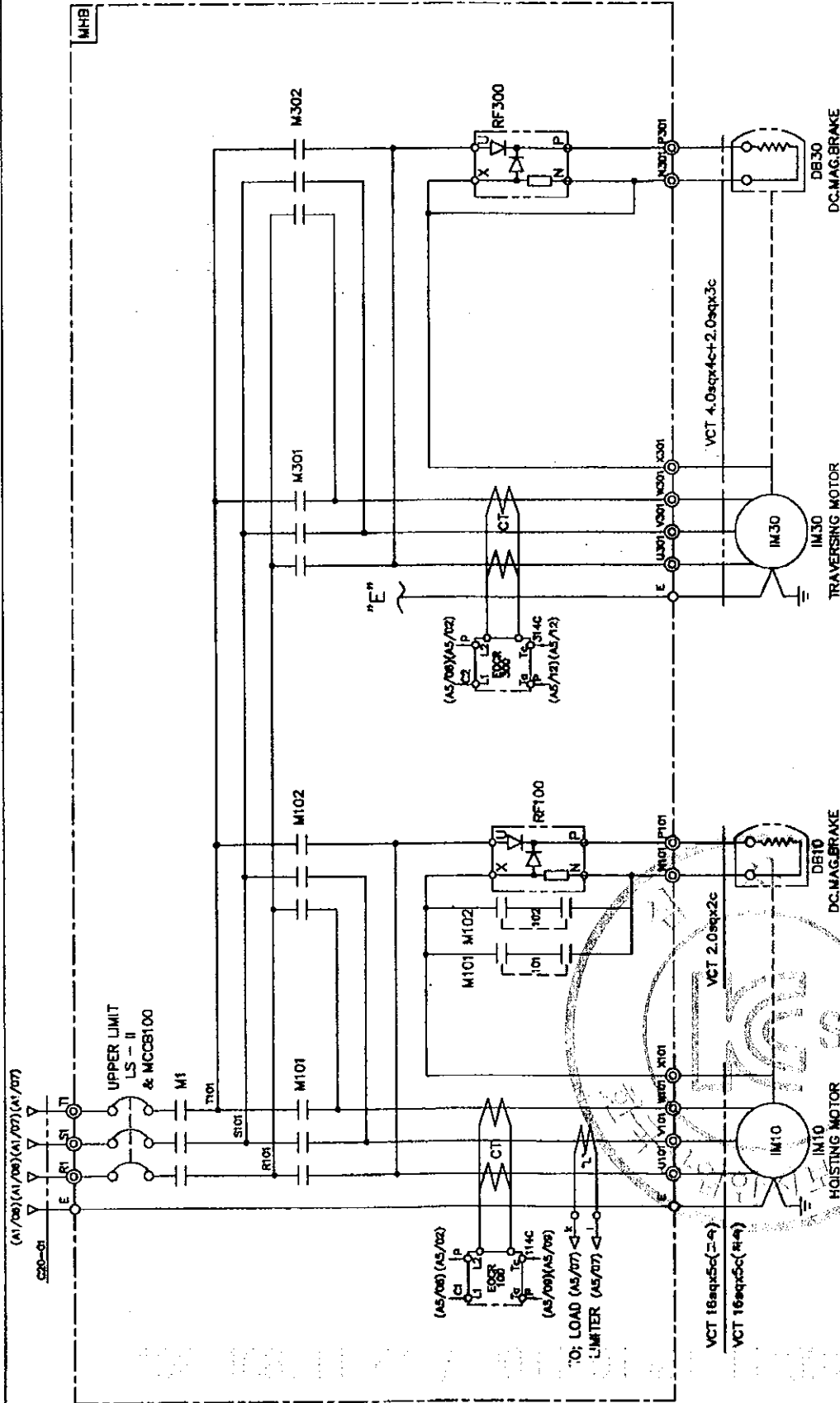


NOTE

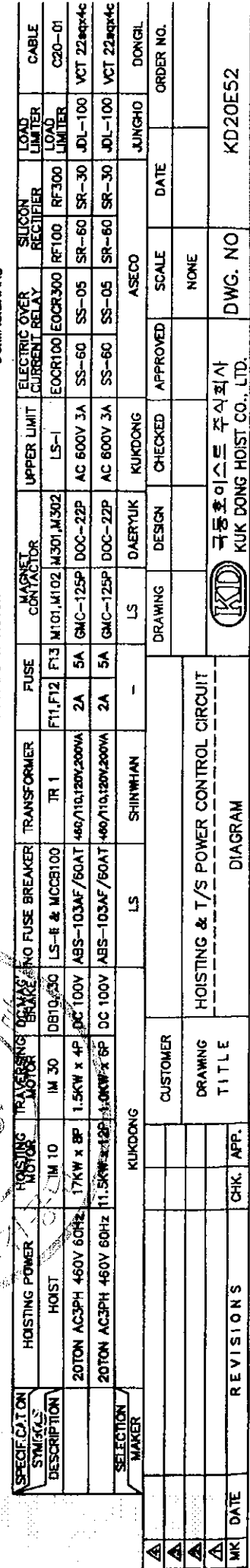
1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 460V 60HZ

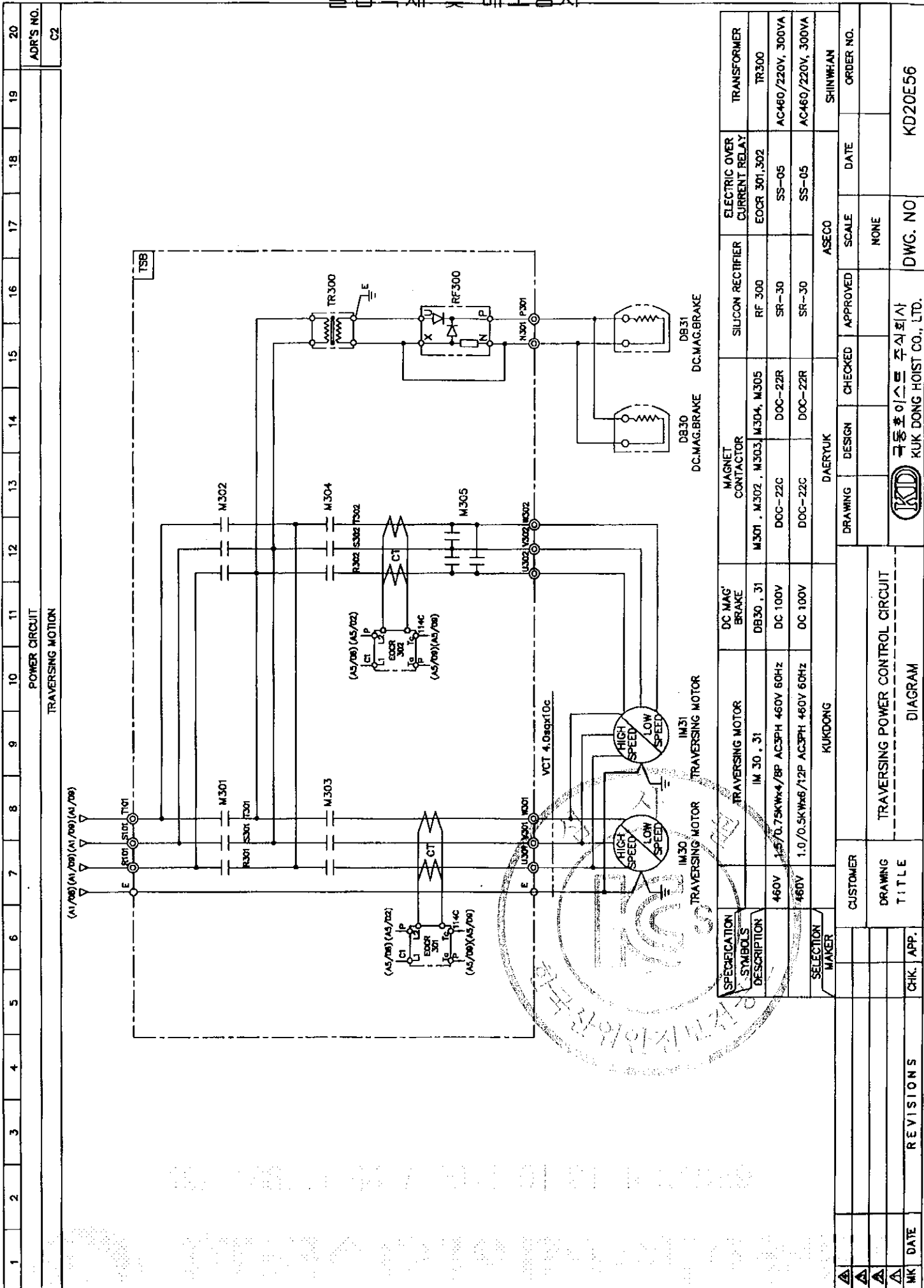
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										TRaversing Motion									
HOISTING MOTION										B1									
(A1/08)(A1/08)(A1/07)(A1/07)										ADR'S NO.									
C20-01										B1									



SPECIFICATION SYMBOLS	DESCRIPTION	HOISTING POWER	HOISTING MOTOR	TRaversing MOTOR	TRANSFORMER	FUSE	MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
20TON AC3PH 460V 60Hz	17KW x 2	1.5KW x 4P	DC 100V	480/110, 120V, 200VA	2A	5A	GMC-65P	GMC-125P	DOC-22P	SS-60	SS-60	SR-30	SR-30
20TON AC3PH 460V 60Hz	11.5KW x 12P	1.5KW x 12P	DC 100V	480/110, 120V, 200VA	2A	5A	GMC-65P	GMC-125P	DOC-22P	SS-60	SS-60	SR-30	SR-30
SELECTION MAKER													
KUKDONG													
CUSTOMER													
DRAWING & T/S POWER CONTROL CIRCUIT													
TITLE													
REVISIONS													
CHK. APP.													
DWG. NO													
KUK DONG HOIST CO., LTD.													
K20E51													
DATE													
JUNGHU													
DONGIL													
ORDER NO.													
NONE													
SCALE													
ASECO													
KUKDONG													
DAERYUK													
DESIGN													
CHECKED													
APPROVED													
DATE													
NONE													
C20-01													
VCT 25sqx4c													
VCT 25sqx4c													
VCT 25sqx4c													





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

ADR'S NO.

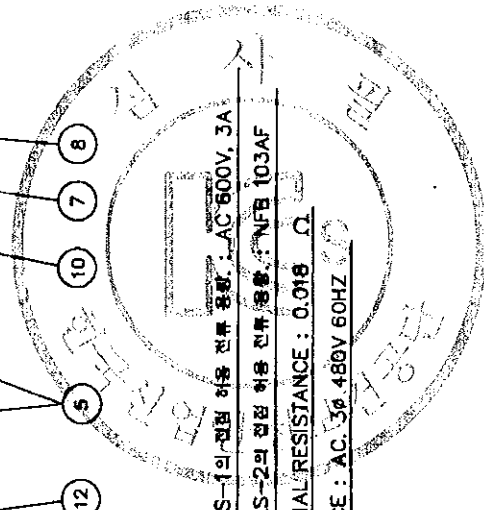
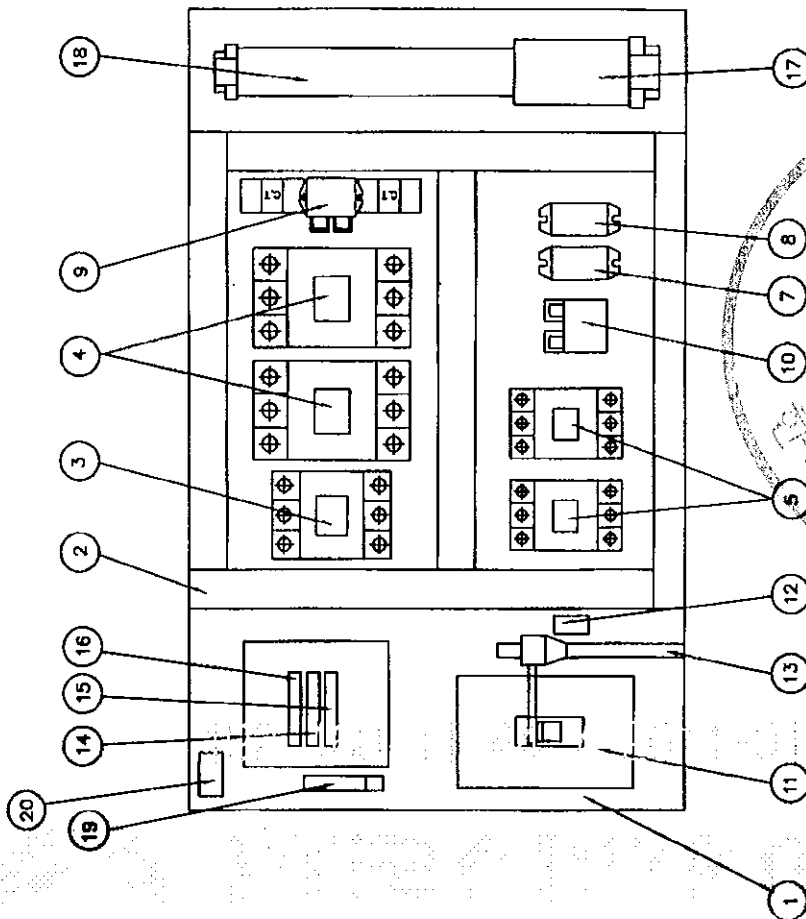
NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 플
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	GMC-65P	1	M1, MAIN MAG.
4	MAGNET CONTACT	GMC-125P	2	HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	TRAVERSING
11	MC8100	103AF/80AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-41	1	
14	FUSE (F11,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	480V/110,120V, 200VA	1	
17	TERMINAL BLOCK	60A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5x25x50	1	
20	MICRO SWITCH	HY-R704B	1	

NOTE 1. 전선의 역상은 다음과 같다.

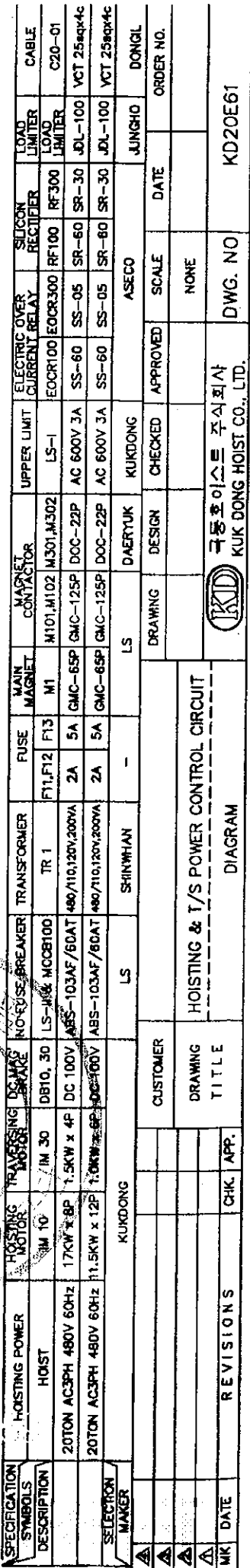
- 1) 흑색 : 교류 및 직류 전원선
 - 2) 적색 : 교류 제어회로
 - 3) 파랑색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
 4. 제어시 다스 변경 필수있음.
 5. 외함 기형구조는 다음과 같음.
- 1) 외함 기형시 승전부분이 차단되도록 함.
 - 2) 외함 기형후 승전되어있는 부분은 IP2X 이상의 외함 보호가 되어있을것.

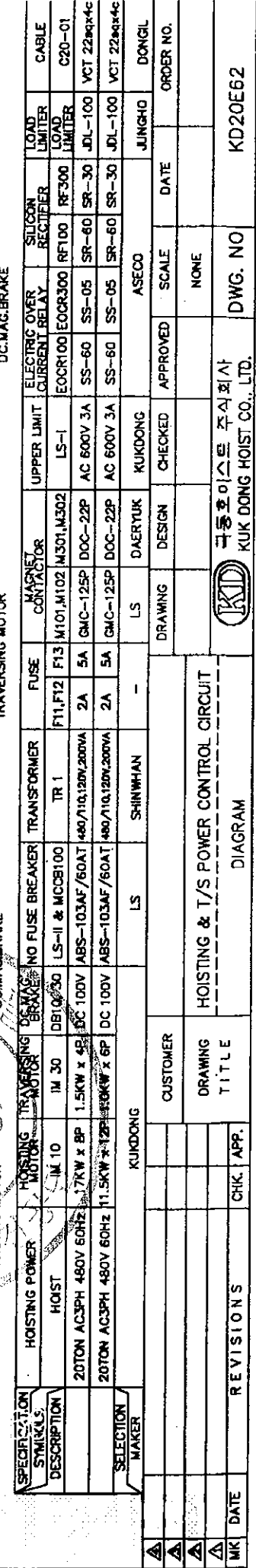
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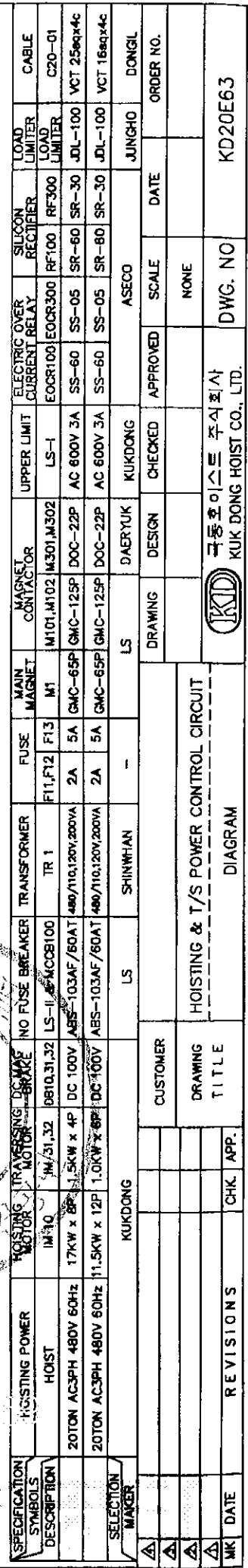
1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 480V 60HZ

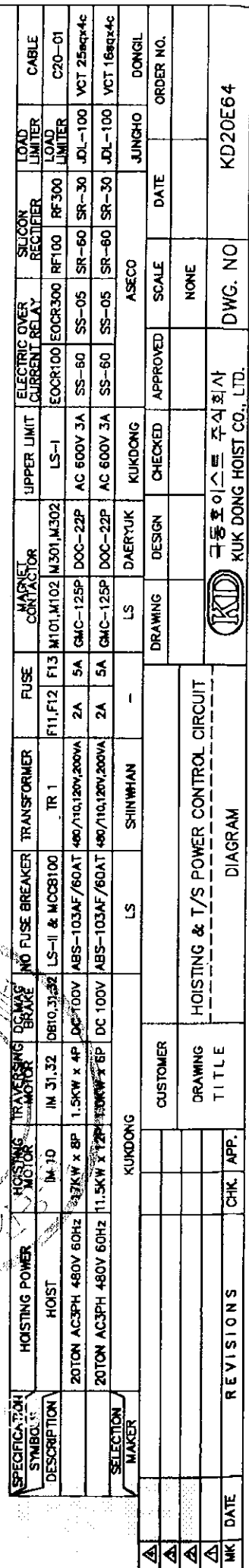


DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KD20BA61
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
CHK.						
APP.						
DATE						

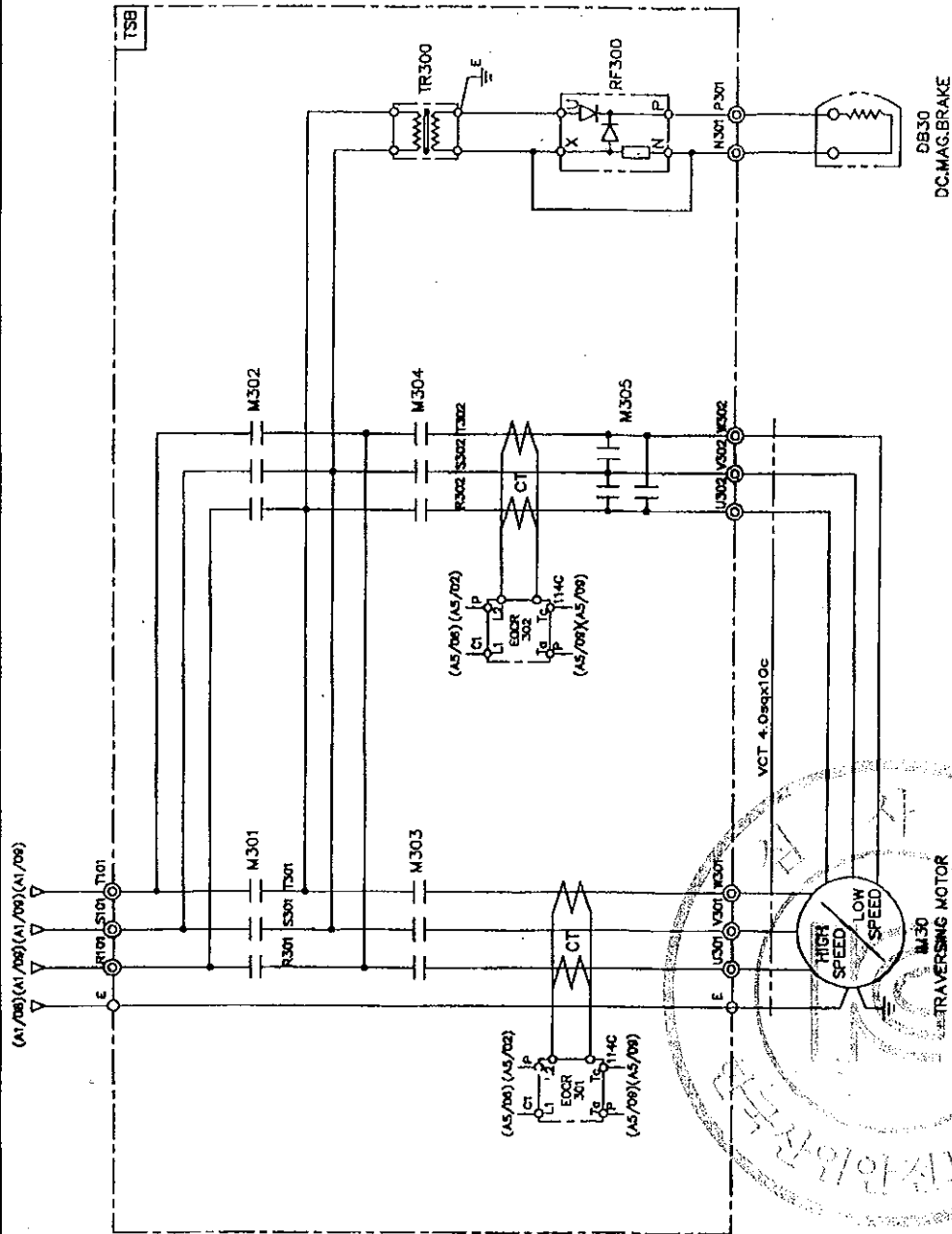




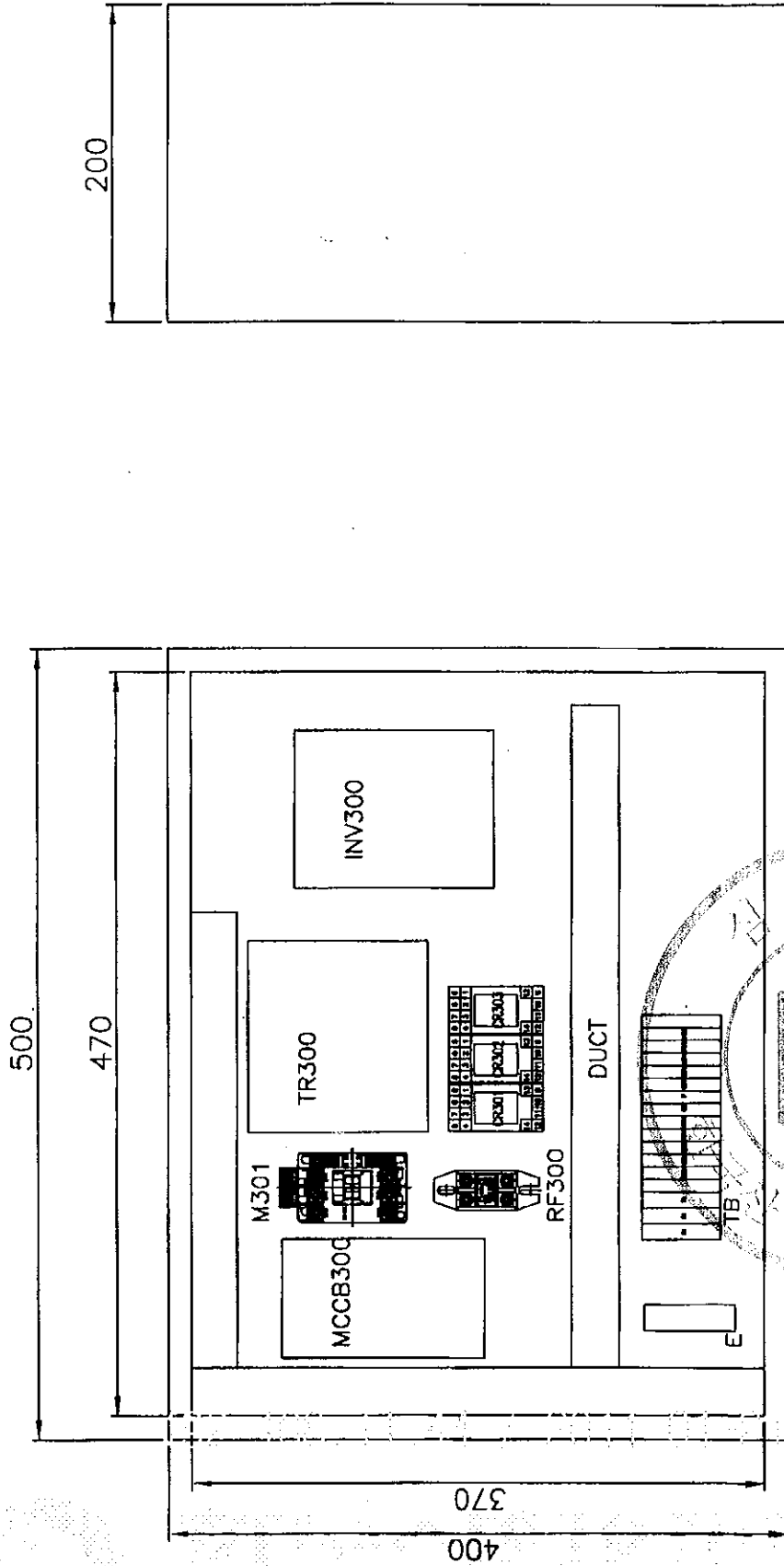




1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
																			ADR'S NO.
																			C2



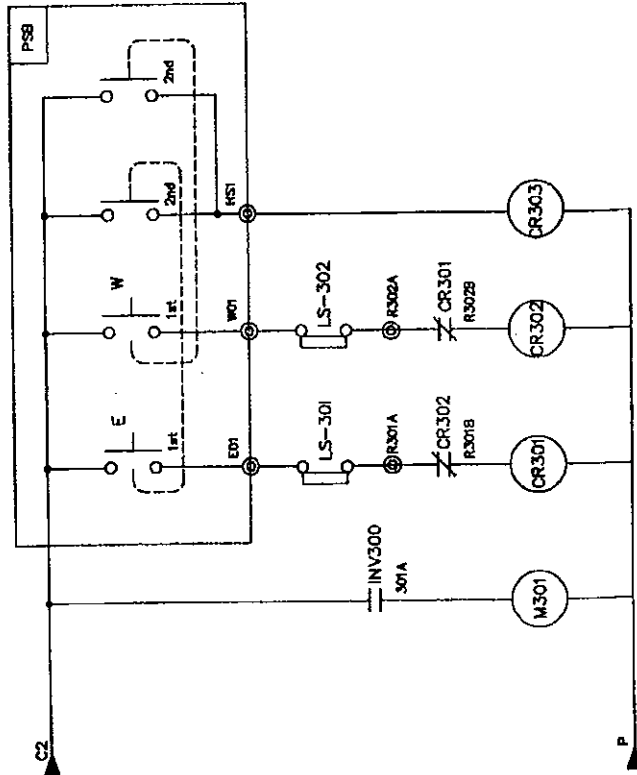
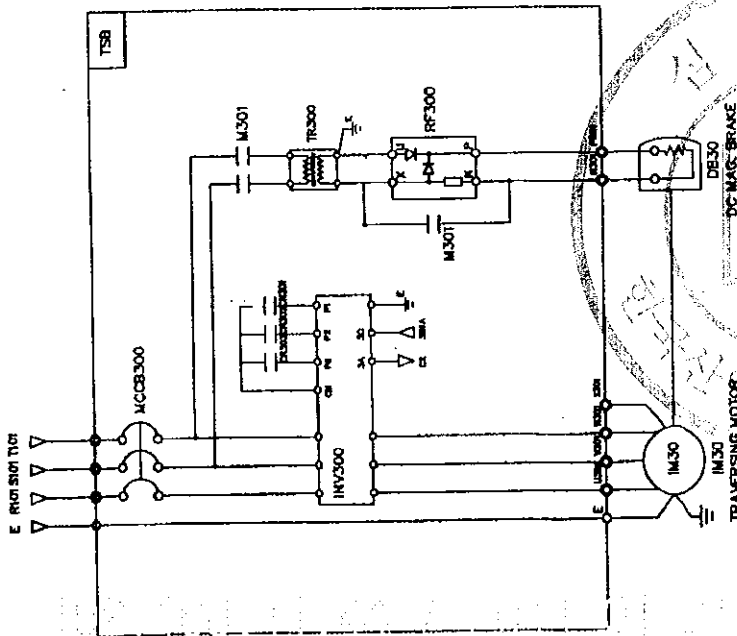
SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		480V 1.5/0.75KW/4/8P AC3PH 480V 60Hz		M301, M302, M303, M304, M305		RF 300		EOCR 301, 302		TR300	
DC MAG. BRAKE		DB30		DC 100V		DOC-22C		SR-30		SS-05		AC480/220V, 300VA	
SELECTION MAKER		KUKDONG		480V 1.0/0.5KW/6/12P AC3PH 480V 60Hz		DOC-22C		SR-30		SS-05		AC480/220V, 300VA	
CUSTOMER		DAERYUK		ASECO		DRAWING		DESIGN		APPROVED		SCALE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		NONE		DATE		ORDER NO.					
CHK.		REVISIONS		DWG. NO		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.	
APP.				KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.	
DATE				KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.	
MK				KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.	



2	속 판	SS400		1								
1	T/S BOX	PUR		1								
NO.	DESCRIPTION	M'T'L	SUB QTY	TOTAL	SUB WEIGHT(Kg)	TOTAL	REMARKS.					
PROJECT			DATE		DIM							
TITLE			SCALE		PROJECTION							
			A3/3		3rd							
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING								
 KUK DONG HOIST CO., LTD.			SHEET No.		DWG No.		20E1001					

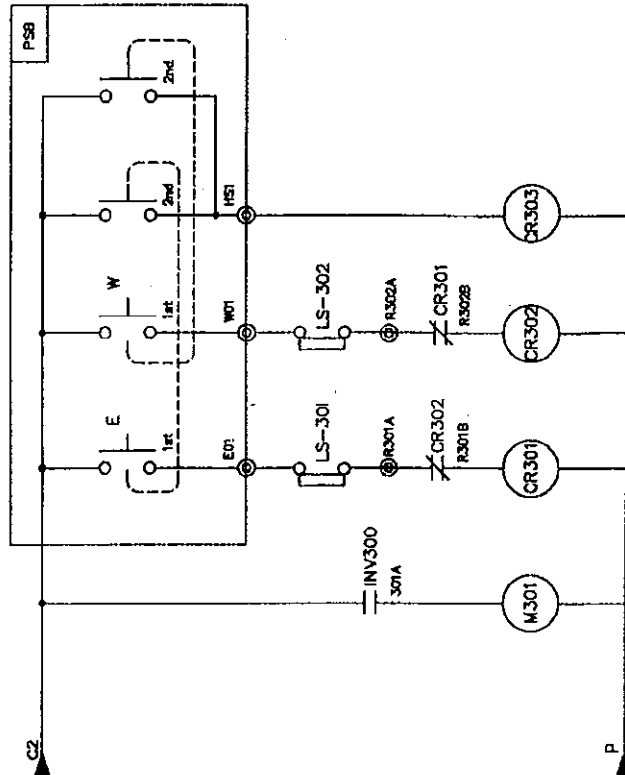
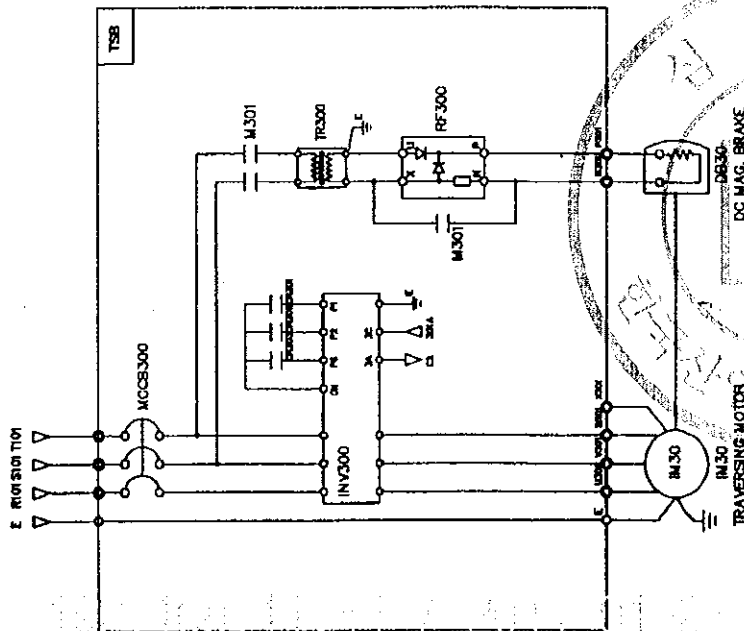
11	EARTH BUS BAR	PUR	1		
10	DUCT	PUR	1		
9	TERMINAL BLOCK	PUR	1		
8	INVERTER	PUR	1		
7	TR	PUR	1		
6	RELAY & SOCKET	PUR	1		
5	RF	PUR	1		
4	MC	PUR	1		
3	MCCB	PUR	1		

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

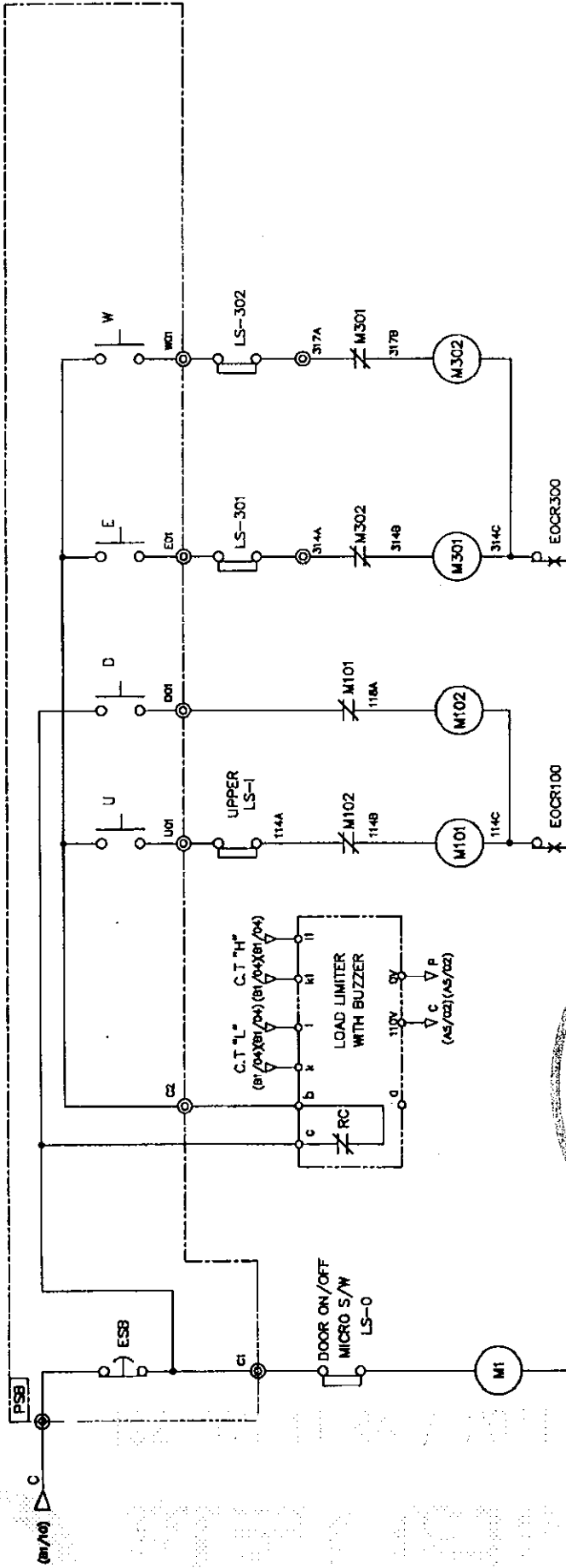


SPECIFICATION SYMBOLS		TRAVERSING POWER		TRAVERSING MOTOR		DC MAG. BRAKE		NO FUSE BREAKER		TRANSFORMER		BRAKE MAGNET		CONTROL RELAY		INVERTER		SILICON RECTIFIER	
DESCRIPTION		AC 3PH 220V 60Hz		IM 30		DB30		MCCB300		TR 300		M301		CR301, 302, 303		INV300		RF300	
SELECTION		AC 3PH 220V 60Hz		1.0KW x 6P		DC 100V		DBE-33AF/10AT		220/220V, 200VA		DM-22C		MINI 4x4S(Coil AC110V)		SV022IG5A-2		SR-30	
MAKER		AC 3PH 380V(440/480/480V) 60Hz		1.0KW x 6P		DC 100V		DBE-33AF/10AT		380(440, 480, 480)/220V, 200VA		DM-22C		MINI 4x4S(Coil AC110V)		SV022IG5A-4		SR-30	
KUK DONG HOIST																LS		ASECO	
CUSTOMER																			
DRAWING TITLE																			
REVISIONS																			
DATE																			
CHK.																			
APP.																			
DRAWING																			
KUK DONG HOIST CO., LTD.																			
DWG. NO																			
K2020E1002																			
ORDER NO.																			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT DIAGRAM										CONTROL CIRCUIT DIAGRAM									
TRaversing Motion										HIGH SPEED									
BRAKE										WEST									
E RPH RESOLUTION										ADR'S NO.									
TSB										P58									
SPECIFICATION SYMBOLS										SILICON RECTIFIER									
DESCRIPTION										INVERTER									
TRAVERSING POWER										CONTROL RELAY									
IM 30/31										CR301,302,303									
AC 3PH/220V 60HZ										DM-22C MINI 4x4x5(Coil ACT10V)									
AC 3PH 380(440,460,480)V 50HZ										DM-22C MINI 4x4x5(Coil ACT10V)									
SELECTION MAKER										LS									
KUK DONG HOIST										ASECO									
CUSTOMER										DATE									
DRAWING TITLE										DWG. NO									
TRAVERSING POWER & CONTROL CIRCUIT										K2020E1003									
REVISIONS										KUK DONG HOIST CO., LTD.									
DATE										KUK DONG HOIST CO., LTD.									
CHK.										KUK DONG HOIST CO., LTD.									
APP.										KUK DONG HOIST CO., LTD.									

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
EM, STOP				OVER LOAD BUZZER				UP		DOWN		EAST		WEST		CONTROL CIRCUIT			
																ADR'S NO.			
																AS			



M302
A B1/16
A B1/16
A B1/16
a
a
b A5/12
b

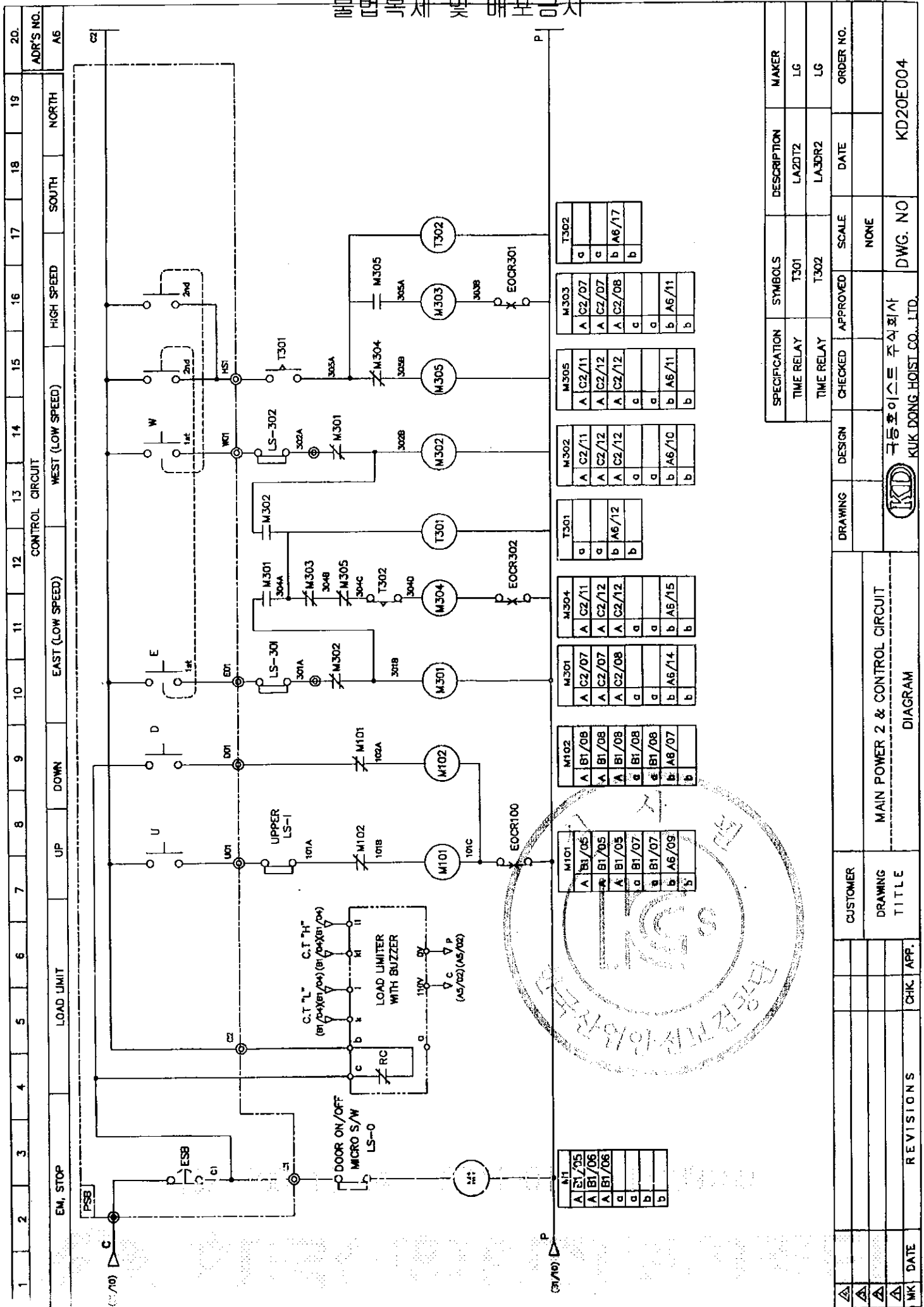
M301
A B1/12
A B1/12
A B1/12
a
a
b A5/15
b

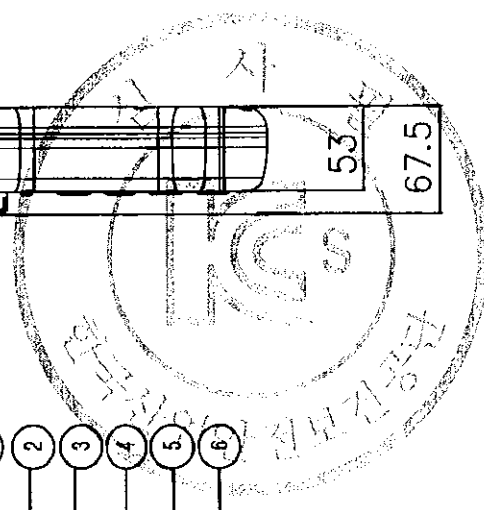
M102
A B1/08
A B1/08
A B1/08
a
a
b A5/09
b

M101
A B1/05
A B1/05
A B1/05
a
a
b A5/11
b

M1
A B1/05
A B1/05
A B1/05
a
a
b
b

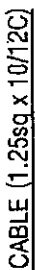
SPECIFICATION		SYMBOLS		DESCRIPTION		DOOR ON/OFF		UPPER LIMIT		PENDANT P.B.S/W		LOAD LIMITER		LIMIT SWITCH	
						LS-0		LS-1		E.S.B		JDL-100		LS-301,302	
						HY-R704B		AC 600V 3A		250V 3A		JDL-100		HY - W904	
						HY-R704B		AC 600V 3A		250V 3A		JDL-100		HY - W904	
MAKER		DESIGN		CHECKED		HAN YOUNG		KUNHUNG		KUNHUNG		JUNGHO		HANYOUNG	
DRAWING		DATE		SCALE		NONE		APPROVED		DATE		ORDER NO.			
CUSTOMER		DRAWING TITLE		REVISIONS		CHK		APP		DATE		DWG. NO		KD20E002	
MAIN POWER 2 & CONTROL CIRCUIT		DIAGRAM													
KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.													





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

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



보조와이어 로프 (Ø 2.0)

2

* MATERIAL : POLYCARBONATE(PLASTIC)

* BODY COLOR : YELLOW, BLACK

* |P : 55 01상

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

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	45.0 A	49.5 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	53.0 A	58.3 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	58.6 A	64.4 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	59.0 A	64.9 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 6P	110%	1 SEC	1 SEC	72.0 A	79.2 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	70.8 A	77.9 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	84.3 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	70.8 A	77.9 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	17KW x 8P	110%	1 SEC	1 SEC	76.6 A	84.3 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	93.2 A	100.4 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	126.6 A	134.2 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ	SHOCK TIME	100%	110%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	26.0 A	28.6 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	30.7 A	33.8 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	38.3 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	34.2 A	38.8 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 6P	110%	1 SEC	1 SEC	41.7 A	46.4 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	41.0 A	46.8 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	50.1 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	41.0 A	46.8 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	50.1 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	54.0 A	60.2 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

국동호이스트(주)

* POWER SOURCE : AC 3Φ 440V 60HZ

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	22.5 A	24.8 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	26.5 A	29.2 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	29.3 A	33.4 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	29.5 A	33.6 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	36.0 A	40.1 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	11.5KW x 12P	110%	1 SEC	1 SEC	35.4 A	39.7 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.1 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	11.5KW x 12P	110%	1 SEC	1 SEC	35.4 A	39.7 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.1 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	23KW x 6P	110%	1 SEC	1 SEC	46.6 A	50.3 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	63.6 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

극동하이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ	SHOCK TIME	100%	110%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	21.5 A	23.7 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	25.4 A	28.0 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	28.1 A	32.0 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	28.4 A	32.1 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	17KW x 6P	110%	1 SEC	1 SEC	34.5 A	38.2 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	37.7 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.5 A	CT-2	K-K1, L-L1	5 V.A	
	11.5KW x 12P	110%	1 SEC	1 SEC	33.9 A	37.7 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.5 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	44.5 A	48.3 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3Φ 480V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	20.6 A	22.7 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 6P	110%	1 SEC	1 SEC	25.4 A	28.0 A	CT-2	K-K1, L-L1	5 V.A	
15 TON	8.5KW x 12P	110%	1 SEC	1 SEC	26.9 A	31.1 A	CT-2	K-K1, L-L1	5 V.A	
	13KW x 8P	110%	1 SEC	1 SEC	27.2 A	31.4 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 6P	110%	1 SEC	1 SEC	33.1 A	37.5 A	CT-2	K-K1, L-L1	5 V.A	
20 TON	11.5KW x 12P	110%	1 SEC	1 SEC	32.5 A	36.9 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	39.6 A	CT-2	K-K1, L-L1	5 V.A	
30 TON	11.5KW x 12P	110%	1 SEC	1 SEC	32.5 A	36.9 A	CT-2	K-K1, L-L1	5 V.A	
	17KW x 8P	110%	1 SEC	1 SEC	35.2 A	39.6 A	CT-2	K-K1, L-L1	5 V.A	
	23KW x 6P	110%	1 SEC	1 SEC	42.6 A	46.9 A	CT-2	K-K1, L-L1	5 V.A	
35 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
40 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
50 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
60 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	
70 TON	33KW x 6P	110%	1 SEC	1 SEC	58.0 A	62.8 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

E.O.C.R 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	ERATION TI	CURRENT	
10 TON	9.0KW x 8P	45.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	45.0 A	
	13KW x 6P	53.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	53.0 A	
15 TON	8.5KW x 12P	58.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	58.6 A	
	13KW x 8P	59.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	59.0 A	
	17KW x 6P	72.0 A	1 DRAVE	SS-100	3 SEC	1 SEC	72.0 A	
20 TON	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
30 TON	11.5KW x 12P	70.8 A	1 DRAVE	SS-100	3 SEC	1 SEC	70.8 A	
	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	23KW x 6P	93.2 A	1 DRAVE	SS-100	3 SEC	1 SEC	93.2 A	
35 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
40 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
50 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
60 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
70 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	

NOTE

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

E.O.C.R 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	ERATION TI	CURRENT	
10 TON	9.0KW x 8P	26.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.0 A	
	13KW x 6P	30.7 A	1 DRAVE	SS-60	3 SEC	1 SEC	30.7 A	
15 TON	8.5KW x 12P	33.9 A	1 DRAVE	SS-60	3 SEC	1 SEC	33.9 A	
	13KW x 8P	34.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	34.2 A	
	17KW x 6P	41.2 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.2 A	
	11.5KW x 12P	41.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.0 A	
20 TON	17KW x 8P	44.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.3 A	
	11.5KW x 12P	41.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	41.0 A	
30 TON	17KW x 8P	43.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	43.3 A	
	23KW x 6P	54.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	54.0 A	
	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
40 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
50 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
60 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	
70 TON	33KW x 6P	77.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	77.3 A	

NOTE

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

E.O.C.R 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	ERATION TI	CURRENT	
10 TON	9.0KW x 8P	22.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.5 A	
	13KW x 6P	26.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.5 A	
15 TON	8.5KW x 12P	29.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	29.3 A	
	13KW x 8P	29.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	29.5 A	
	17KW x 6P	36.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	36.0 A	
20 TON	11.5KW x 12P	35.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.4 A	
	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
30 TON	11.5KW x 12P	35.4 A	1 DRAVE	SS-60	3 SEC	1 SEC	35.4 A	
	17KW x 8P	38.3 A	1 DRAVE	SS-60	3 SEC	1 SEC	38.3 A	
	23KW x 6P	44.6 A	1 DRAVE	SS-60	3 SEC	1 SEC	44.6 A	
35 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
40 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
50 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
60 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	
70 TON	33KW x 6P	63.3 A	1 DRAVE	SS-100	3 SEC	1 SEC	63.3 A	

NOTE

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

E.O.C.R 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3Φ 460V 60Hz

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

NOTE

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

E.O.C.R 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 480V 60Hz

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

NOTE

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

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE

HOISTING

2. MANUFACTURE

극동호이스트(주)

3. FRAME NUMBER

200 L

4. RATED POWER

17 KW x 8 P

5. RATED VOLTAGE AND FREQUENCY

220 V 60 Hz

6. MOTOR TYPE

SQUIRREL CAGE ROTOR TYPE

7. SERVICE FACTOR AND RATTING

1.0 , 30 MIN

8. LOCATION AND INSULATION CLASS

INDOOR, OUTDOOR, B CLASS

9. DESIGN TRMPERATURE RISE(BY RESISTANCE)

80 °C

10. FULL LOAD SPEED

855 RPM

11. FULL LOAD CURRENT

76.6 A

12. LOCKED ROTOR CURRENT

455.8 A

13. MINIMUM STARTING VOLTAGE

200 V

14. EFFICIENCY AT 100% RATED LOAD

82 %

15. POWER FACTOR AT 100% RATED LOAD

71.5 %

16. FULL LOAD TORQUE

39.72 K.G.M

17. SITE ALTTITUDE(UNDER)

1000 M

18. ENCLOSURE & COOLING METHOD

T E F C

19. TYPE OF BEARING

PL : 6312 zz , OPL : 6311 zz

20. MOUNTING

HORIZONTAL

21. MAXIMUM AMBIENT TEMPURE

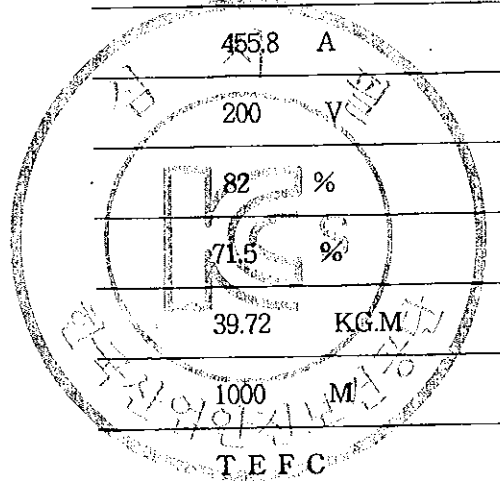
40 °C

22. BEARING LUBRICATION

GREASE

23. STARTING METHOD

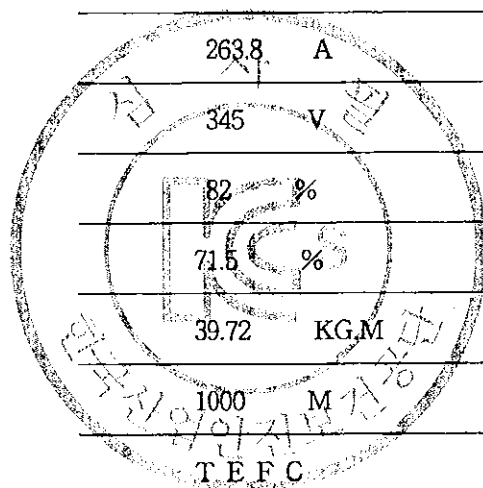
FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

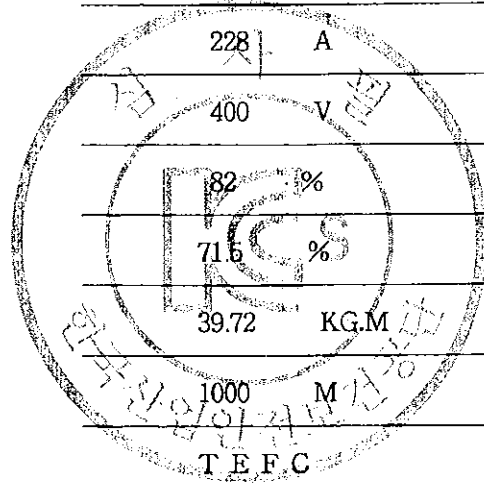
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	44.3 A
12. LOCKED ROTOR CURRENT	263.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	71.5 %
16. FULL LOAD TORQUE	39.72 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
19. TYPE OF BEARING	PL : 6312 zz , OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

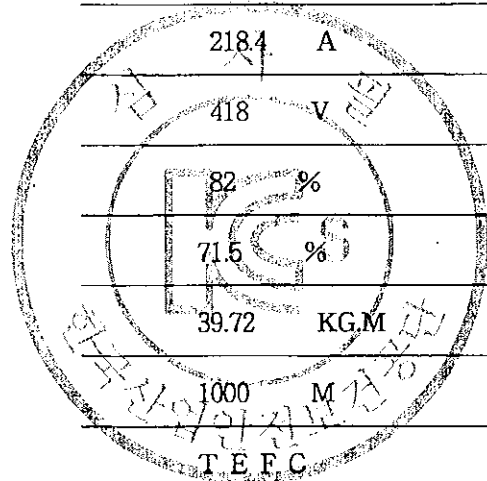
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	38.3 A
12. LOCKED ROTOR CURRENT	228 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	71.5 %
16. FULL LOAD TORQUE	39.72 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEFC
19. TYPE OF BEARING	PL : 6312 zz , OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

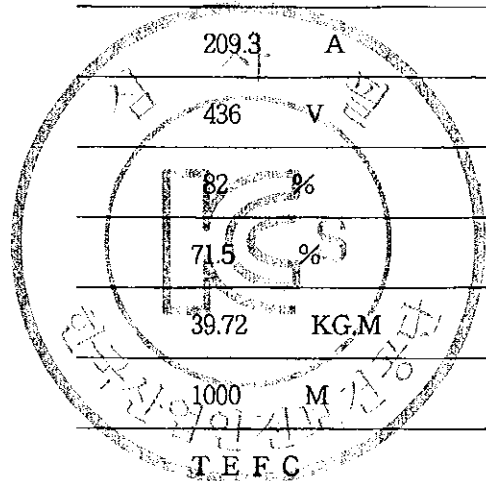
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	36.7 A
12. LOCKED ROTOR CURRENT	218.4 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	71.5 %
16. FULL LOAD TORQUE	39.72 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T.E.F.C
19. TYPE OF BEARING	PL : 6312 zz , OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

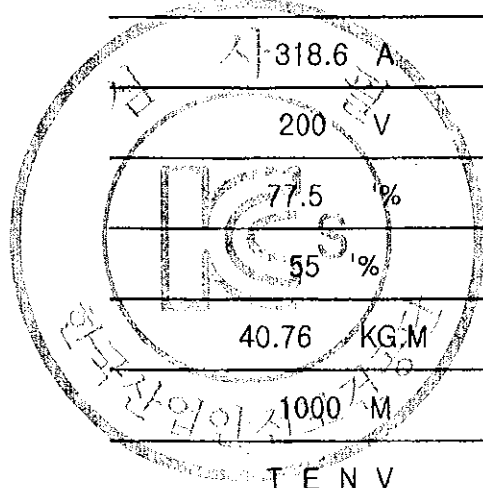
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	35.2 A
12. LOCKED ROTOR CURRENT	209.3 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	82 %
15. POWER FACTOR AT 100% RATED LOAD	71.5 %
16. FULL LOAD TORQUE	39.72 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEFC
19. TYPE OF BEARING	PL : 6312 zz , OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

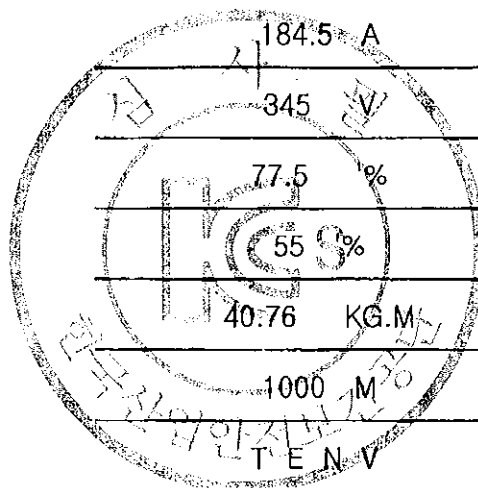
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트㈜
3. FRAME NUMBER	200 L
4. RATED POWER	11.5 KW x 12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR , OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	570 RPM
11. FULL LOAD CURRENT	70.8 A
12. LOCKED MOTOR CURRENT	318.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	55 %
16. FULL LOAD TORQUE	40.76 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6312 zz OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

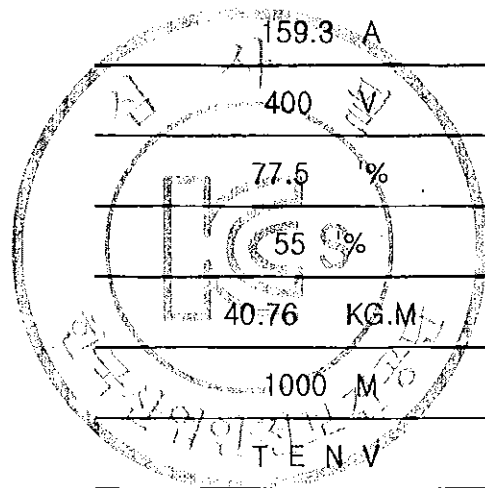
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트㈜
3. FRAME NUMBER	200 L
4. RATED POWER	11.5 KW x 12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	570 RPM
11. FULL LOAD CURRENT	41 A
12. LOCKED MOTOR CURRENT	184.5 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	55 %
16. FULL LOAD TORQUE	40.76 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6312 zz OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

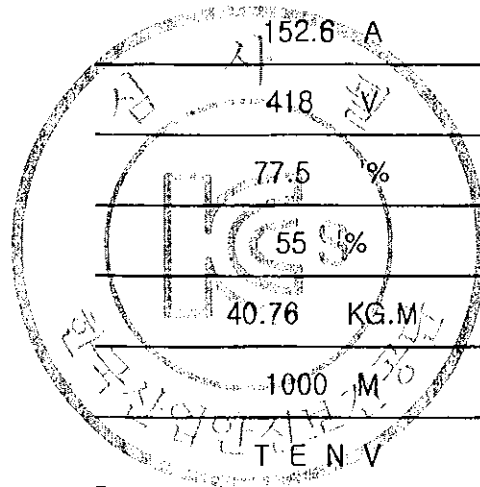
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트㈜
3. FRAME NUMBER	200 L
4. RATED POWER	11.5 KW x 12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	570 RPM
11. FULL LOAD CURRENT	35.4 A
12. LOCKED MOTOR CURRENT	159.3 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	55 %
16. FULL LOAD TORQUE	40.76 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6312 zz OPL : 6211 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

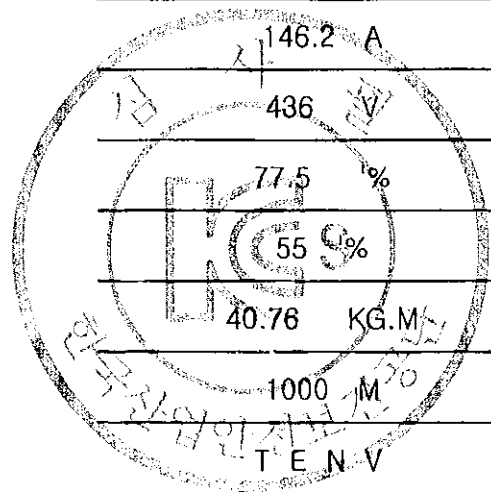
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트㈜
3. FRAME NUMBER	200 L
4. RATED POWER	11.5 KW x 12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	570 RPM
11. FULL LOAD CURRENT	33.9 A
12. LOCKED MOTOR CURRENT	152.6 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	55 %
16. FULL LOAD TORQUE	40.76 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6312 zz OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

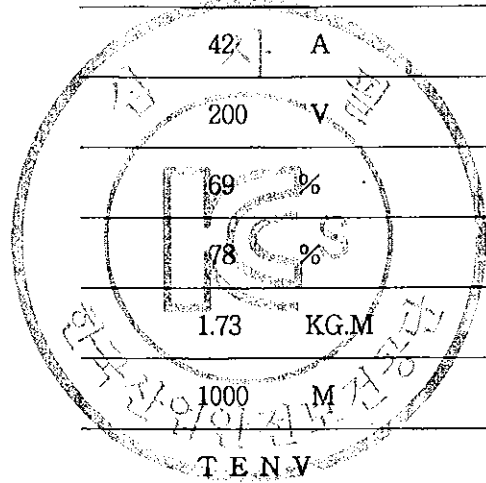
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트㈜
3. FRAME NUMBER	200 L
4. RATED POWER	11.5 KW x 12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	570 RPM
11. FULL LOAD CURRENT	32.5 A
12. LOCKED MOTOR CURRENT	146.2 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	77.5 %
15. POWER FACTOR AT 100% RATED LOAD	55 %
16. FULL LOAD TORQUE	40.76 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6312 zz OPL : 6311 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

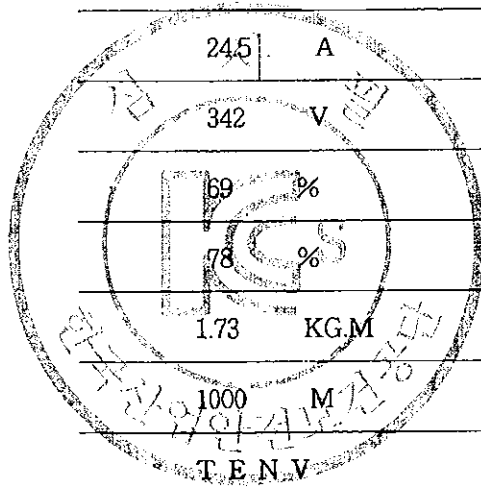
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	7.3 A
12. LOCKED ROTOR CURRENT	42 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	69 %
15. POWER FACTOR AT 100% RATED LOAD	78 %
16. FULL LOAD TORQUE	1.73 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

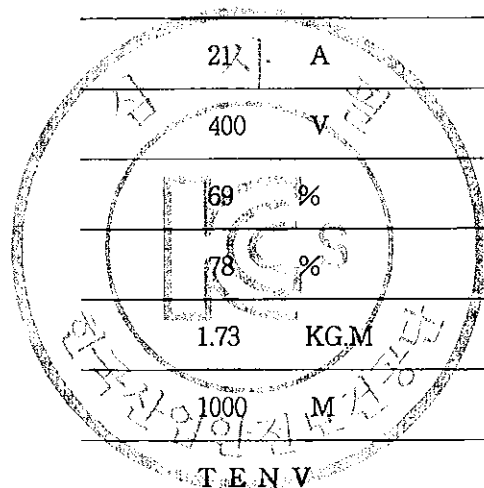
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	4.2 A
12. LOCKED ROTOR CURRENT	24.5 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	69 %
15. POWER FACTOR AT 100% RATED LOAD	78 %
16. FULL LOAD TORQUE	1.73 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

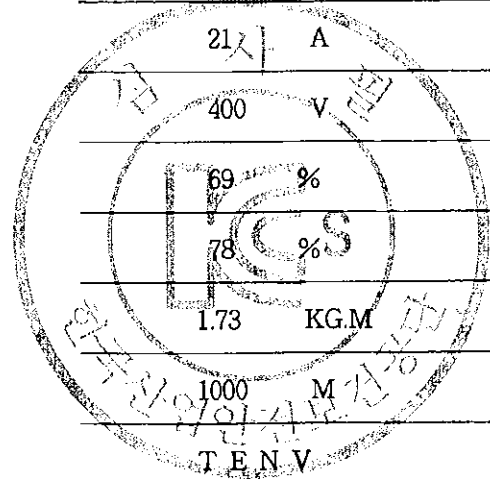
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.7 A
12. LOCKED ROTOR CURRENT	21.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	69 %
15. POWER FACTOR AT 100% RATED LOAD	78 %
16. FULL LOAD TORQUE	1.73 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

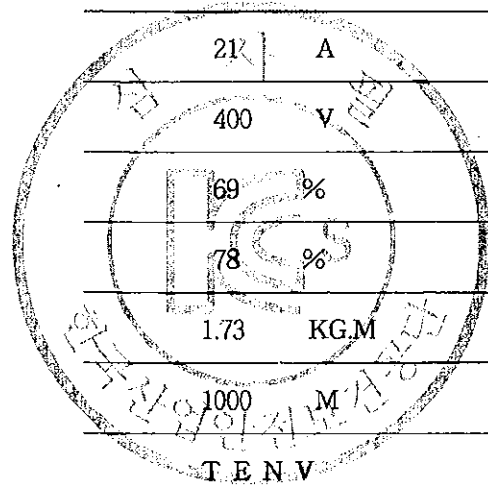
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.5 A
12. LOCKED ROTOR CURRENT	21 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	69 %
15. POWER FACTOR AT 100% RATED LOAD	78 %
16. FULL LOAD TORQUE	1.73 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

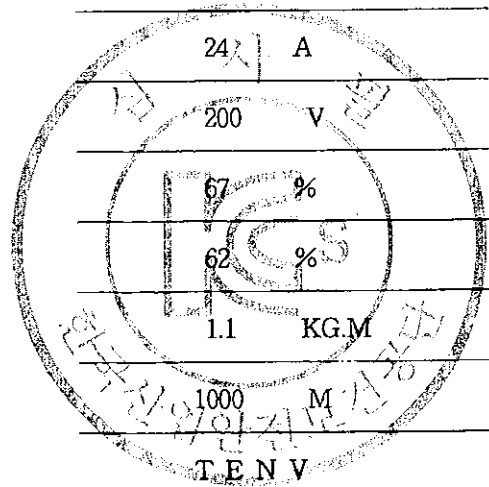
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.4 A
12. LOCKED ROTOR CURRENT	21 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	69 %
15. POWER FACTOR AT 100% RATED LOAD	78 %
16. FULL LOAD TORQUE	1.73 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

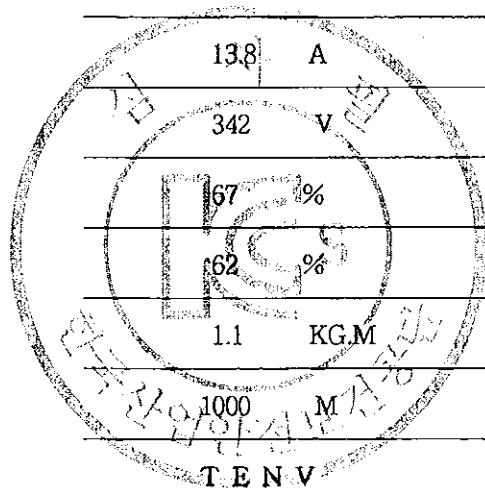
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	6.7 A
12. LOCKED ROTOR CURRENT	24 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.1 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

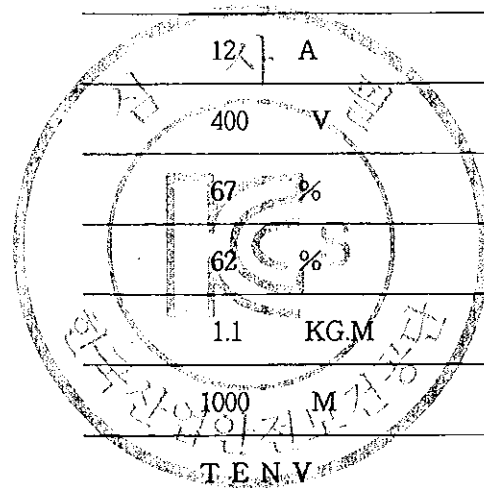
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	3.9 A
12. LOCKED ROTOR CURRENT	13.8 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.1 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

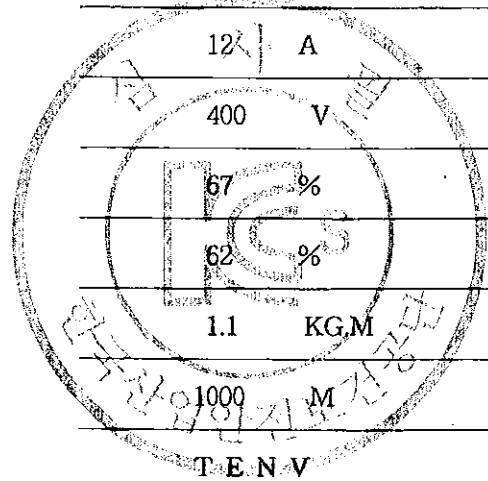
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	3.3 A
12. LOCKED ROTOR CURRENT	12 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.1 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T.E.N.V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

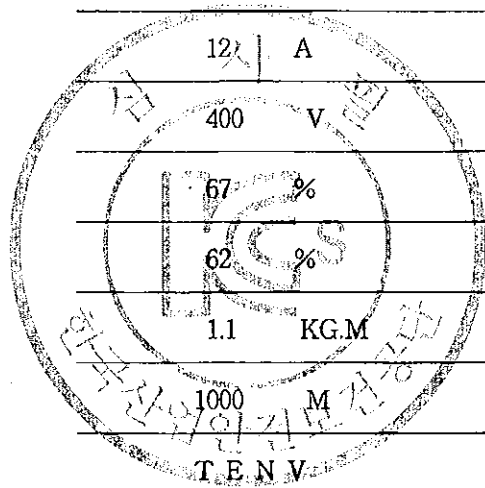
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	3.2 A
12. LOCKED ROTOR CURRENT	12 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.1 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N - V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	3.1 A
12. LOCKED ROTOR CURRENT	12 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.1 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T.E.N.V.
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	7.2/6.2 A
12. STARTING CURRENT AT RATED VOLTAGE	35/21.7 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	4.17/3.59 A
12. STARTING CURRENT AT RATED VOLTAGE	20.6/12.56 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

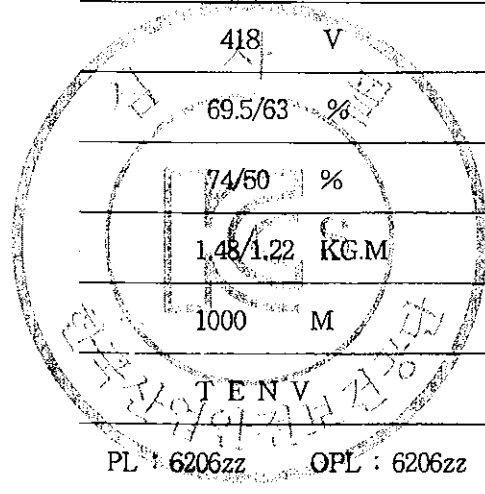
SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	3.6/3.1 A
12. STARTING CURRENT AT RATED VOLTAGE	17.8/10.85 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 KG.M
17. SITE ALTTITUDE(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 TEMPURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

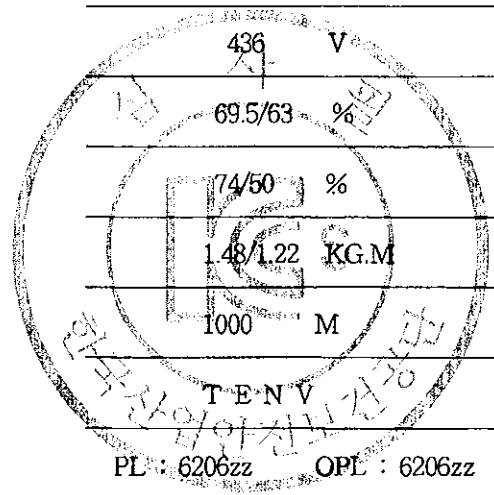
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	3.44/2.96 A
12. STARTING CURRENT AT RATED VOLTAGE	16.99/10.36 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1700/815 RPM
11. FULL LOAD CURRENT	3.0/2.96 A
12. STARTING CURRENT AT RATED VOLTAGE	14.82/10.36 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63 %
15. POWER FACTOR AT 100% RATED LOAD	74/50 %
16. STARTING TORQUE	1.48/1.22 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T-E-N-V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

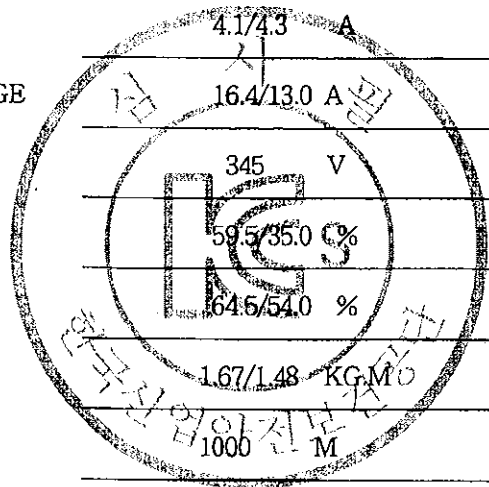
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	7.1/7.5 A
12. STARTING CURRENT AT RATED VOLTAGE	28.3/22.5 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

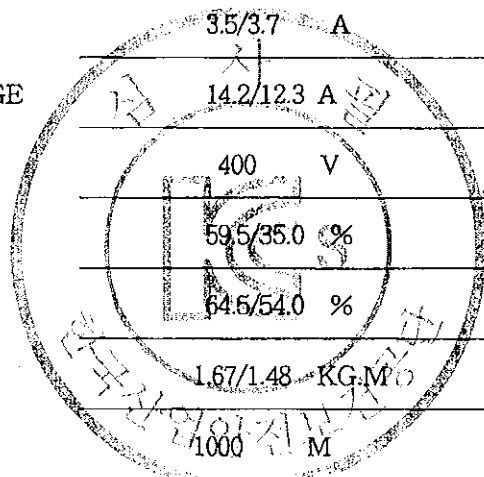
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	4.1/4.3 A
12. STARTING CURRENT AT RATED VOLTAGE	16.4/13.0 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

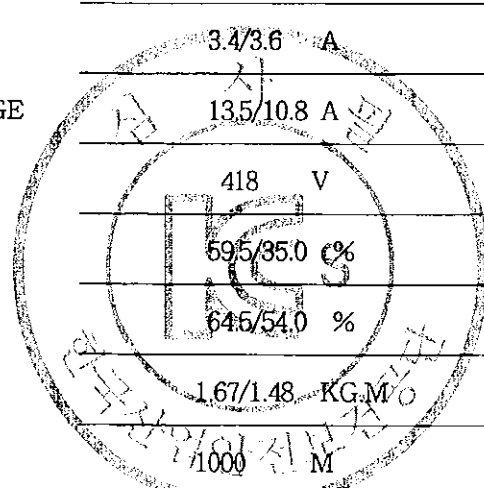
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.5/3.7 A
12. STARTING CURRENT AT RATED VOLTAGE	14.2/12.3 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.4/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	135/10.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.2/3.4 A
12. STARTING CURRENT AT RATED VOLTAGE	13.0/10.3 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	59.5/35.0 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/54.0 %
16. STARTING TORQUE	1.67/1.48 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E

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ORIGINAL

CERT NO. 200704WRS59100

DATE Jan. 22, 2010

MILL TEST CERTIFICATE

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

OF KSD 3514 - 2002 (B Grade)

TO MESSRS

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 X 37 + FC

1000 M X 5 REEL

EX NO.

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

DIAMETER OF ROPE 22.400 mm TYPE OF CORE Fiber Core

SPECIFIED BREAKING LOAD 284.00 kN SAMPLE BROKE AT 294.20 kN

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

ROPE LAY RHRL LAY LENGTH 144.1 mm

LUBRICATION A-2

CHEMICAL ANALYSIS OF WIRE ROD

CHARGE NO.	C X 100	Si X 100	Mn X 100	P X 1000	S X 1000
SA61155	71	21	69	11	4

DATE OF SAMPLE TEST Jan. 12, 2010

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



KS



JIS



API



ABS



KR



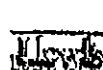
NK



G.Lloyd's



DNV



LR



BV