



제 2011 - 95458 호

안 전 인 증 서

(사업장명) 극동호이스트(주)

(소재지) 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 _____
KDC20-D (20Ton) /11-AQ2AC-03321

_____ 인 증 기 준 _____
노동부 고시 제2010 - 12호 (위험기계,기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2011년 10월 07일

한국산업안전보건공단이사장





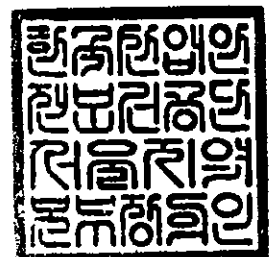
심사결과통지서

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)		KDC20-D	용량(등급)	20 Ton
인증심사원		이영진		

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

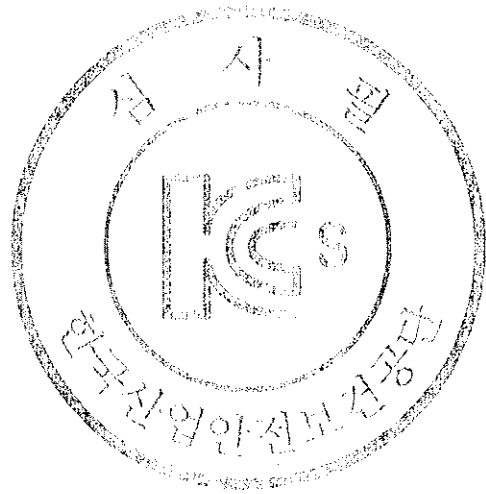
2011 년 01 월 19 일

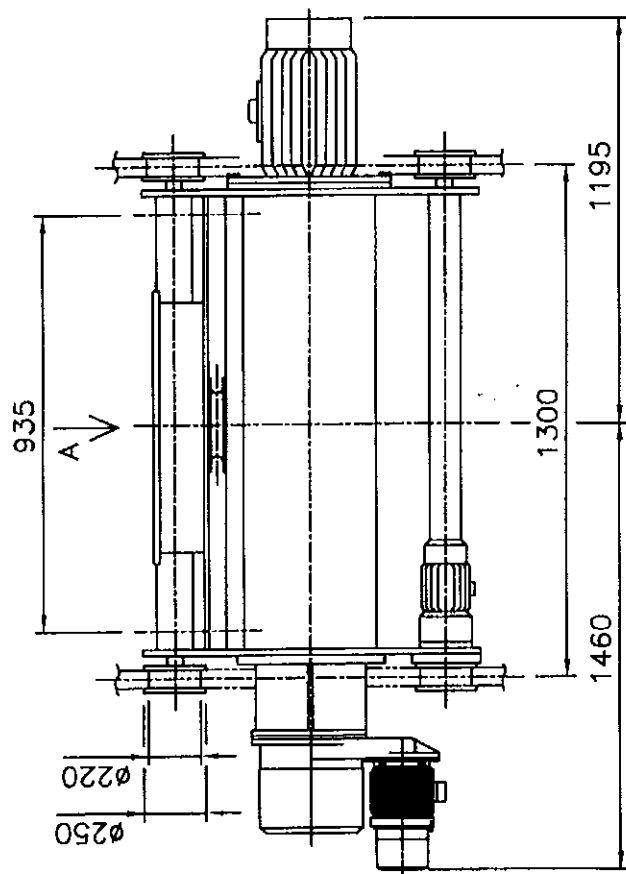
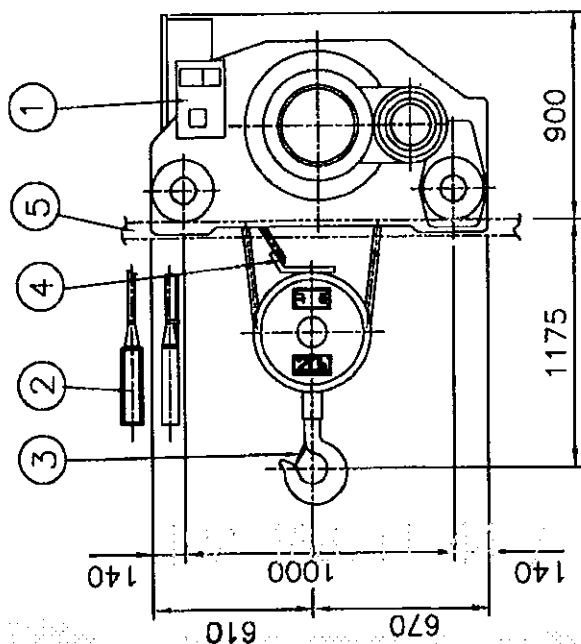
한국산업안전보건공단 서울지역본부장



동일형식일람표

사업장명		구동호이스트㈜		개정일자 및 번호		인증번호	비고
형식 및 모델		동일 형식 인정범위 및 내역					
형식	모델	권상속도(m/min)	회행속도(m/min)	양정(m)	회행방식		
KDC20-D	KDC20-L12-D	고속:4.2M/MIN	고속:15M/MIN	12	모터구동식		
	KDC20-L18-D		저속:10M/MIN	18			
	KDC20-L24-D	CREEP:0.42M/MIN	24				
	KDC20-L30-D		30				
			-				





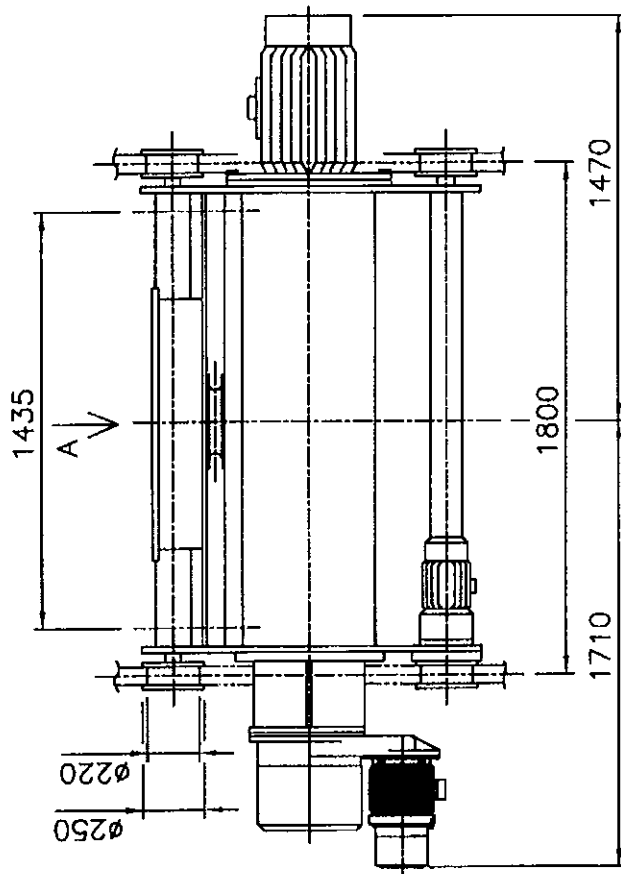
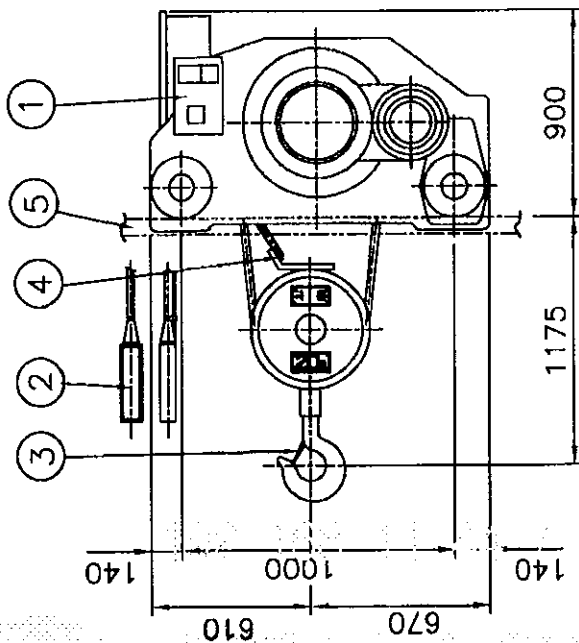
극동호이스트
제한하중
20000 K

VIEW A

SPECIFICATION		20 TON	25 TON
TESTING LOAD		12 M	
HOISTING	SPEED	4.2 / 0.42 M/MIN	
	MOTOR	17 / 1.8 KW x 8P	
HIGH	SPEED	15 M/MIN	
	MOTOR	1.5 KW x 4 P	
LOW	SPEED	10 M/MIN	
	MOTOR	1.0 KW x 6 P	
DUAL	SPEED	15/7.5 M/MIN	
	MOTOR	0.8/0.4 KW x 4/B P	
DUAL	SPEED	15/7.5 M/MIN	
	MOTOR	1.5/0.75 KW x 4/8 P	
WIRE ROPE		(6x37) 22.4 x 4 FALLS	
POWER SOURCE		AC3φ 220V(380,440,480) 60Hz	
TRAVERSING RAIL		22 KG/M	
GROSS WEIGHT		2385 KG	

5	T/S RAIL	-	-	-	22KG/M	REMARKS.	
4	UPPER LIMIT S/W	SS400	1				
3	SAFETY LATCH	SS400	1			PROJECT	
2	EMERGENCY S/W	-	1				
1	LOAD LIMITER	-	1			TITLE	
NO.	DESCRIPTION	MTL	SUB QTY	TOTAL WEIGHT(Kg)	DATE		
PROJECT					97.10.23.	DIM	
TITLE					SCALE	mm	
DRAWN					A3/20	PROJECTION	
DESIGNED					ARRANGEMENT DRAWING FOR HOIST	3rd	
CHECKED					REF. DRAWING		
APPROVED							
외 중 내							
외 중 내							
극동호이스트 주식회사						SHEET No. DWG No.	
KUK DONG HOIST CO., LTD.						KDC20D120	





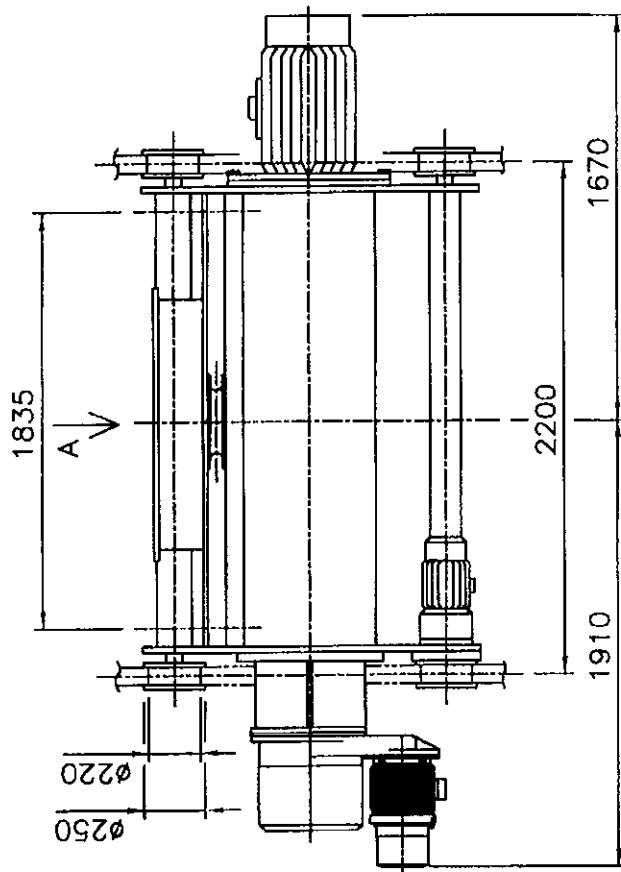
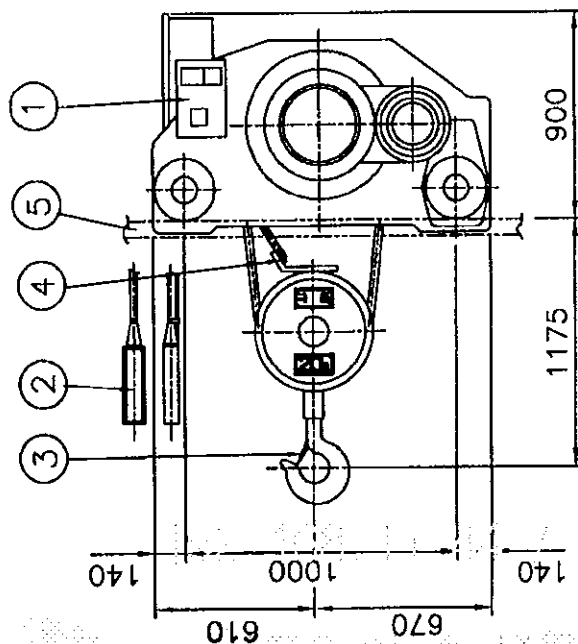
극동호이스트
제한하중
20000K

VIEW A

SPECIFICATION			
RATED LOAD	20 TON		
TESTING LOAD	25 TON		
LIFT			
HOISTING	SPEED	4.2 / 0.42 M/MIN	
	MOTOR	17 / 1.8 KW x 8P	
TRAVERSING	SPEED	15 M/MIN	
	MOTOR	1.5 KW x 4 P	
TRAVERSING	SPEED	10 M/MIN	
	MOTOR	1.0 KW x 6 P	
TRAVERSING	SPEED	15/7.5 M/MIN	
	MOTOR	0.8/0.4 KW x 4/8 P	
TRAVERSING	SPEED	15/7.5 M/MIN	
	MOTOR	1.5/0.75 KW x 4/8 P	
WIRE ROPE			
(6x37) 22.4 x 4 FALLS			
POWER SOURCE			
AC380 220V(380,440,460,480) 60Hz			
TRAVERSING RAIL			
22 KG/M			
GROSS WEIGHT			
2595 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	MTL	SUB	TOTAL	SUB WEIGHT(kg)	REMARKS.	
			QTY				
PROJECT						DATE	DIM
						97.10.23.	mm
TITLE	KDC20 - L18 - D					SCALE	PROJECTION
	ARRANGEMENT DRAWING FOR HOIST					A3/20	3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING			
	외 장 네			외 장 네			
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.				SHEET No.		DWG No.	
						KDC20D180	





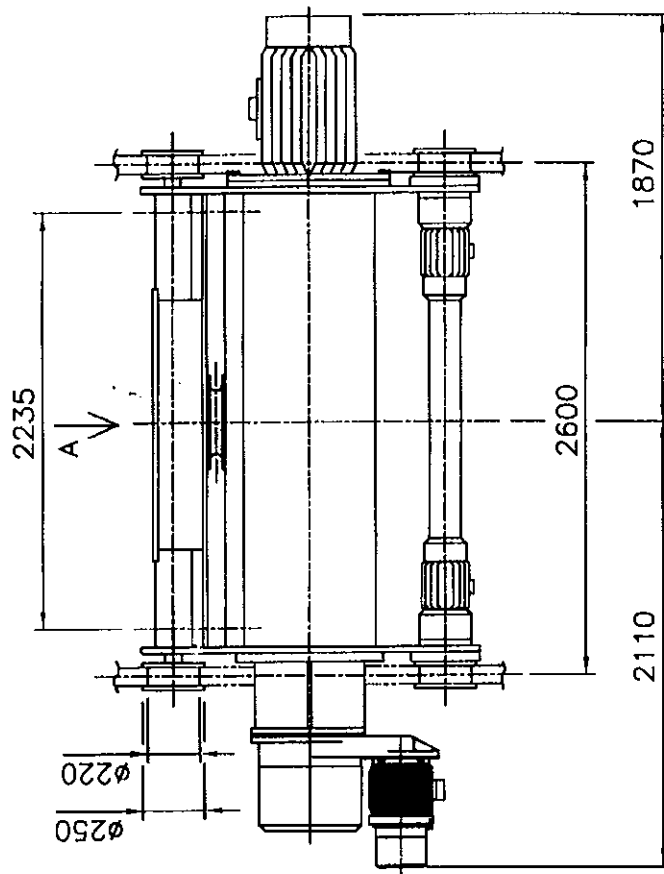
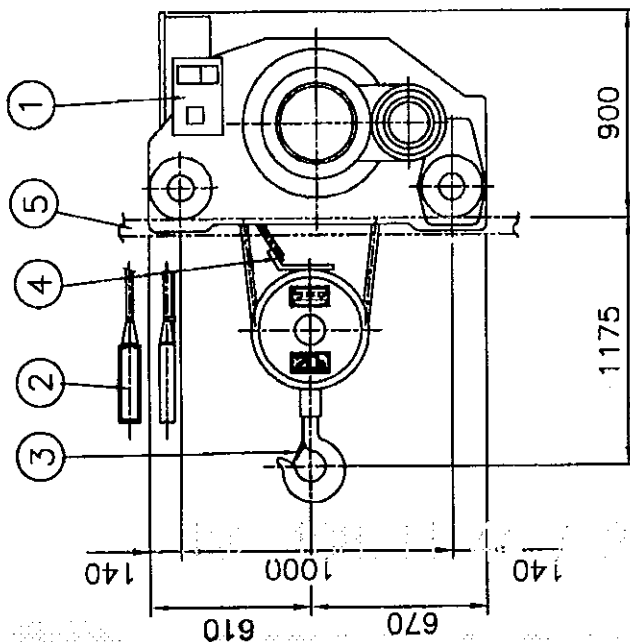
극동호이스트
제한하중
20000K

VIEW A

SPECIFICATION		20 TON	25 TON
RATED LOAD		20 TON	25 TON
TESTING LOAD		24 M	
HOISTING	SPEED	4.2 / 0.42 M/MIN	
	MOTOR	17 / 1.8 KW x 8P	
HIGH	SPEED	15 M/MIN	
	MOTOR	1.5 KW x 4 P	
LOW	SPEED	10 M/MIN	
	MOTOR	1.0 KW x 6 P	
DUAL	SPEED	15/7.5 M/MIN	
	MOTOR	0.8/0.4 KW x 4/8 P	
DUAL	SPEED	15/7.5 M/MIN	
	MOTOR	1.5/0.75 KW x 4/8 P	
WIRE ROPE		(6x37) 22.4 x 4 FALLS	
POWER SOURCE		AC3 220V(380,440,460,480) 60Hz	
TRAVERSING RAIL		22 KG/M	
GROSS WEIGHT		2785 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	M/T	SUB QTY	TOTAL SUB WEIGHT(Kg)	REMARKS.	
PROJECT				DATE	DIM	
				97.10.23.	mm	
TITLE	KDC20 - L24 - D			SCALE	PROJECTION	
ARRANGEMENT DRAWING FOR HOIST						
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING		
	외 중 네		외 중 네			
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.		SHEET No.		DWG No.		
				KDC20D240		





극동호이스트
제한하중
20000K

VIEW A

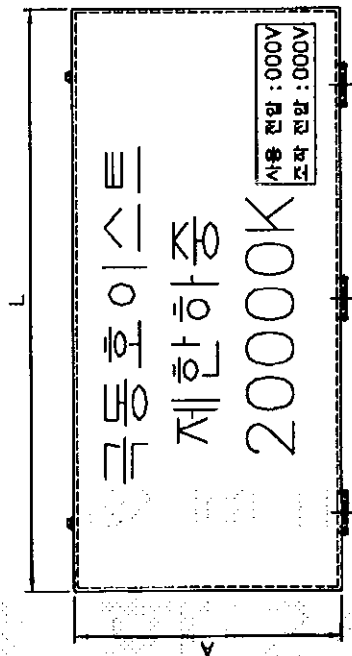
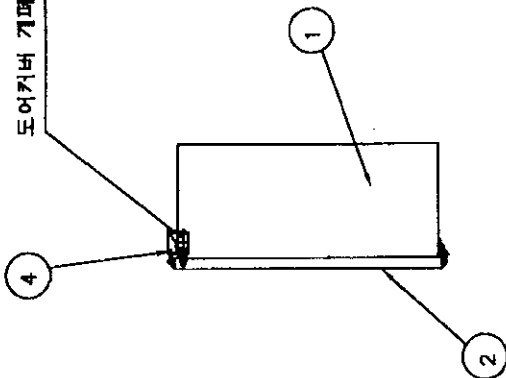
SPECIFICATION	
RATED LOAD	20 TON
TESTING LOAD	25 TON
LIFT	30 M
	4.2 / 0.42 M/MIN
HOISTING	MOTOR
	17 / 1.8 KW x 8P
HIGH	SPEED
	15 M/MIN
LOW	MOTOR
	1.5 KW x 4 P (2UNIT)
TRAVERSING	SPEED
	10 M/MIN
DUAL	MOTOR
	1.0 KW x 6 P (2UNIT)
HIGH	SPEED
	15/7.5 M/MIN
DUAL	MOTOR
	0.8/0.4 KW x 4/8 P (2UNIT)
LOW	SPEED
	15/7.5 M/MIN
WIRE ROPE	MOTOR
	1.5/0.75 KW x 4/8 P (2UNIT)
POWER SOURCE	(6x37) #22.4 x 4 FALLS
	AC3# 220V(380,440,460,480) 50Hz
TRAVERSING RAIL	
	22 KG/M
GROSS WEIGHT	
	3085 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	MTL	QTY		REMARKS.
			SUB	TOTAL	
PROJECT				DATE	DWG
				97.10.23.	mm
TITLE		KDC20 - L30 - D		SCALE	PROJECTION
		ARRANGEMENT DRAWING FOR HOIST		A3/20	3rd
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING	
			최 종 배		
		최 종 배			
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.		SHEET No.		DWG No.	
				KDC200300	

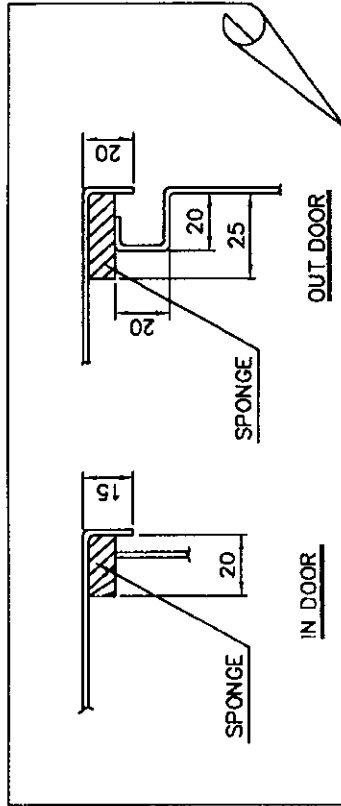


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																			ADR'S NO.

도어커버 기폐시 ON/OFF



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 기폐시 ON/OFF



NOTE

1. PROTECTION DEGREE :

A. INDOOR TYPE : DUST PROOF

B. OUT DOOR TYPE : SPLASH PROOF

2. FINAL PAINTING COLOR (MANSELL 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 : 2.0sq KIV, HIV

6. 외함 기방구조는 다음과 같다.

1) 외함 기방시 충전부분이 차단되도록 한다.

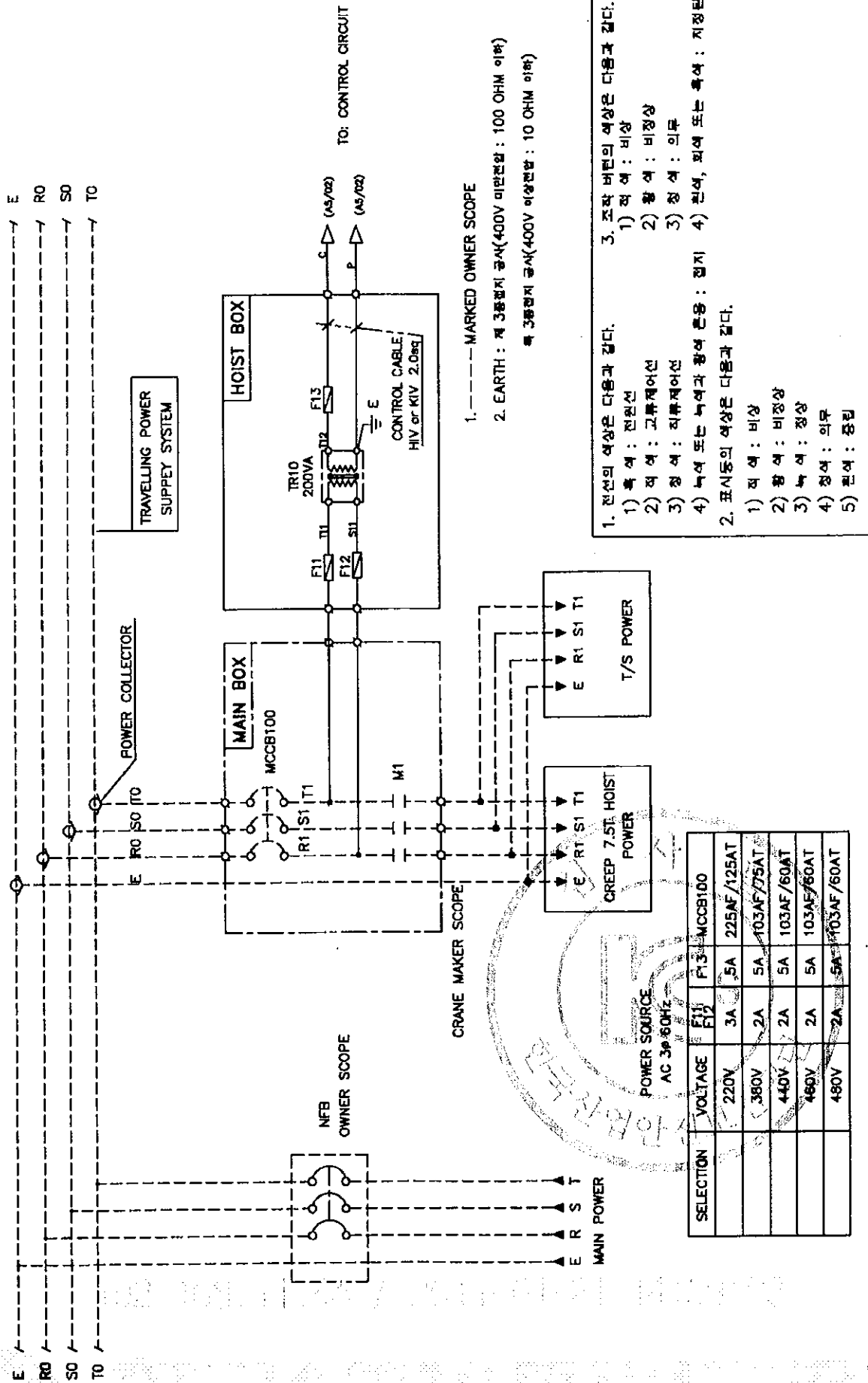
2) 외함 기방 후 충전되어있는 부분은 IP2X 이상의

직접접촉 방호가 되어있을것.

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

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC20EB00
HOISTING CONTROL BOX LAY-OUT						
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																			
TRAVELLING POWER SUPPLY SYSTEM																			
ADR'S NO.																			A1



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
MAIN POWER CIRCUIT 1					NONE		
DIAGRAM							
CUSTOMER		KDC20E001					
DRAWING TITLE		KUK DONG HOIST CO., LTD.					
REVISEMENTS		DWG. NO					
CHK. APP.		KDC20E001					
DATE							

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

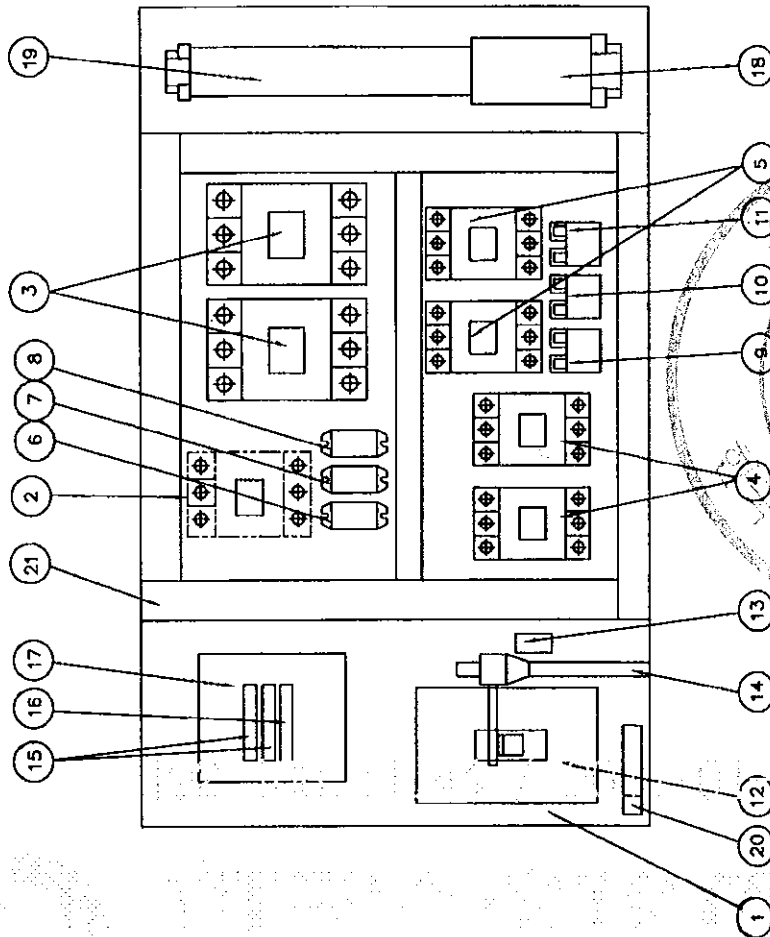
ADR'S NO.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	GMC-100P	1	MAIN MAG.
3	MAGNET CONTACT	GMC-180P	2	HOISTING
4	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-100	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-30	1	TRAVERSING
12	N.F.B	225AF/125AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F11,F12)	3 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	220V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	CABLE DUCT	-	1	

NOTE 1. 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
2. CABLE MATERIAL : [KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 기밀구조는 다음과 같을것.

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

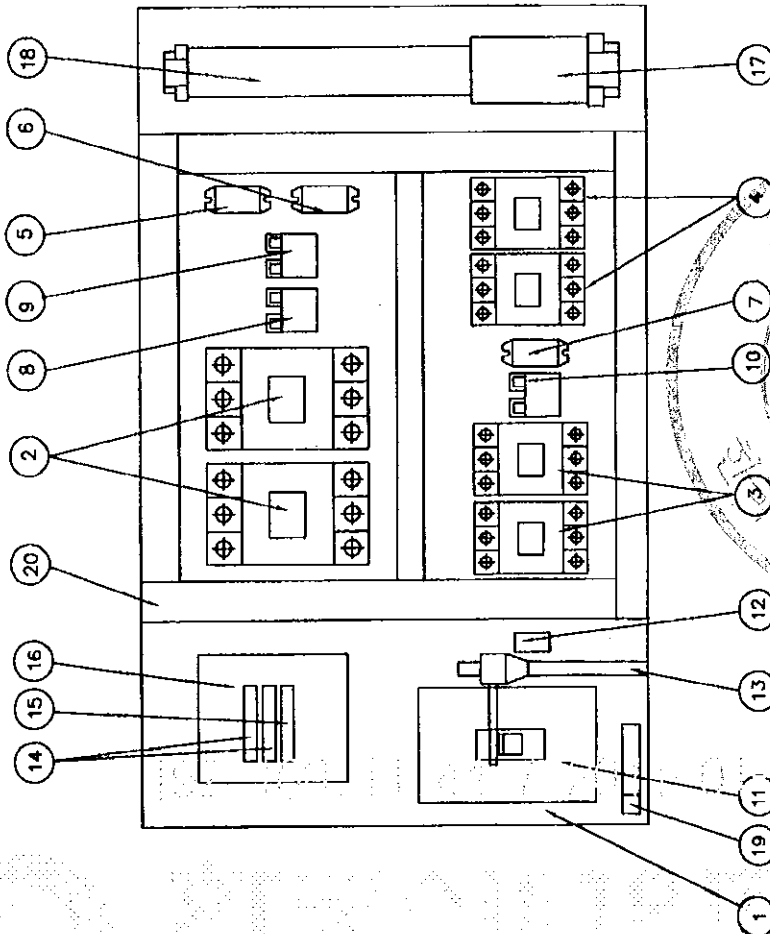


NOTE

1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 225AF
3. EARTH TERMINAL RESISTANCE : 0.01Ω
4. POWER SOURCE : AC 3φ 220V 60HZ
5. - - - : USER SCOPE (MONO RAILS)

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
 극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO
HOISTING CONTROL BOX						KDC20BA21
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
ADR'S NO.																			



NOTE

1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 225AF
3. EARTH TERMINAL RESISTANCE : 0.01Ω
4. POWER SOURCE : AC 3Φ 220V 60HZ

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선
- 2) 적색 : 교류제어회로
- 3) 주황색 : 외부 전원에서 공급되는 전동장치 제어회로
- 4) 녹색 또는 노란색 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

3. 제어용 전선 : 2.0mm KIV, H1V

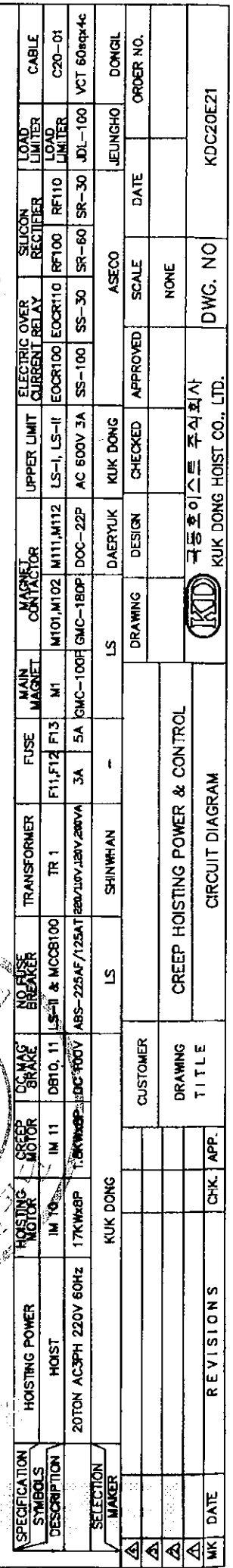
4. 제지시 다소 변경 될수있음

5. 외함 거법구조는 다음과 같을것.

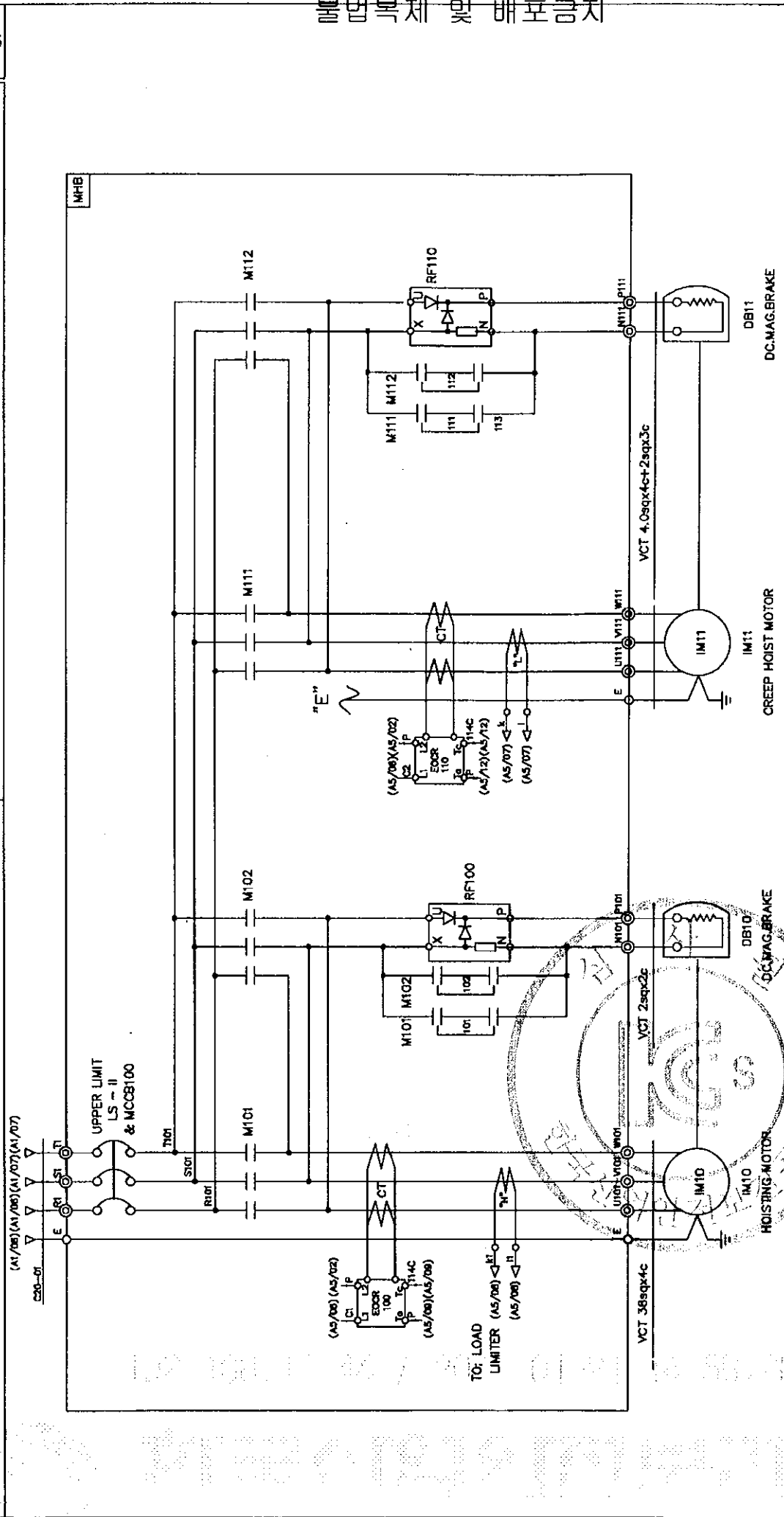
1) 외함 거법시 용전부분이 차단되도록 할것.

2) 외함 거법후 충전되어있는 부분은 IP2X 이상의 직렬 접촉 방호가 되어있을것.

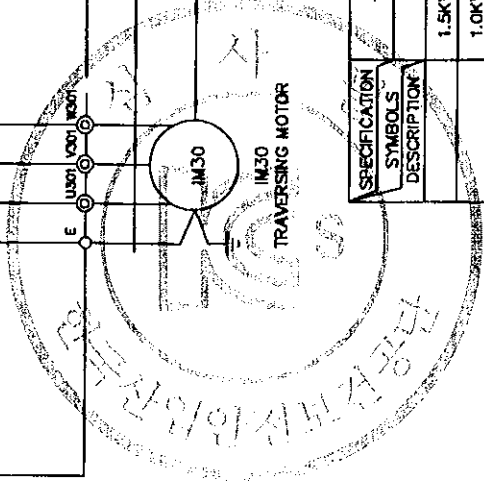
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC20BA22
ARRANGEMENT DRAWING						
HOISTING CONTROL BOX(CRANE)						
CUSTOMER						
DRAWING TITLE						
REVISIONS	CHK.	APP.				
DATE						

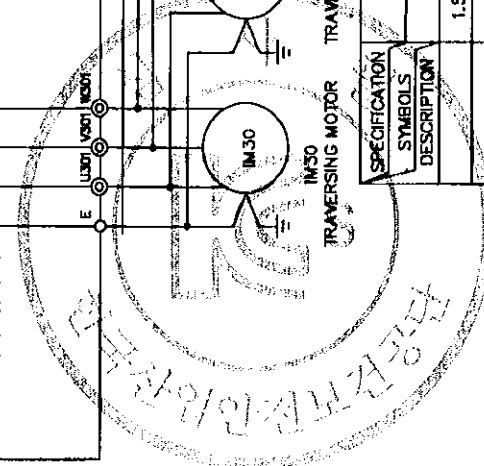


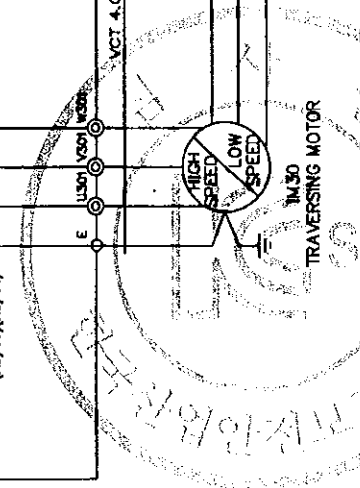
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POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										B1									
ADR'S NO.										B1									



SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 11	DB10, 11	LS-II & MCCB100	TR 1	F1, F12 F13	M101, M102	LS-I, LS-II	EOCR100	RF100	RF110	C20-01
	20TON AC3PH 220V 60Hz	17KW/200V	17KW/200V	DC 100V	ABS-225AF/125AT	220/100V/200V/200V	3A 5A	GMC-180P	AC 600V 3A	SS-100	SR-60	JDL-100	VCT 60sqx4c
SELECTION MAKER	KUKDONG												
			CUSTOMER										
			DRAWING TITLE		CREEP HOISTING POWER & CONTROL								
DATE	REVISIONS		CHK.	APP.	CIRCUIT DIAGRAM								
					KDC20E22								
					KDC20E22								

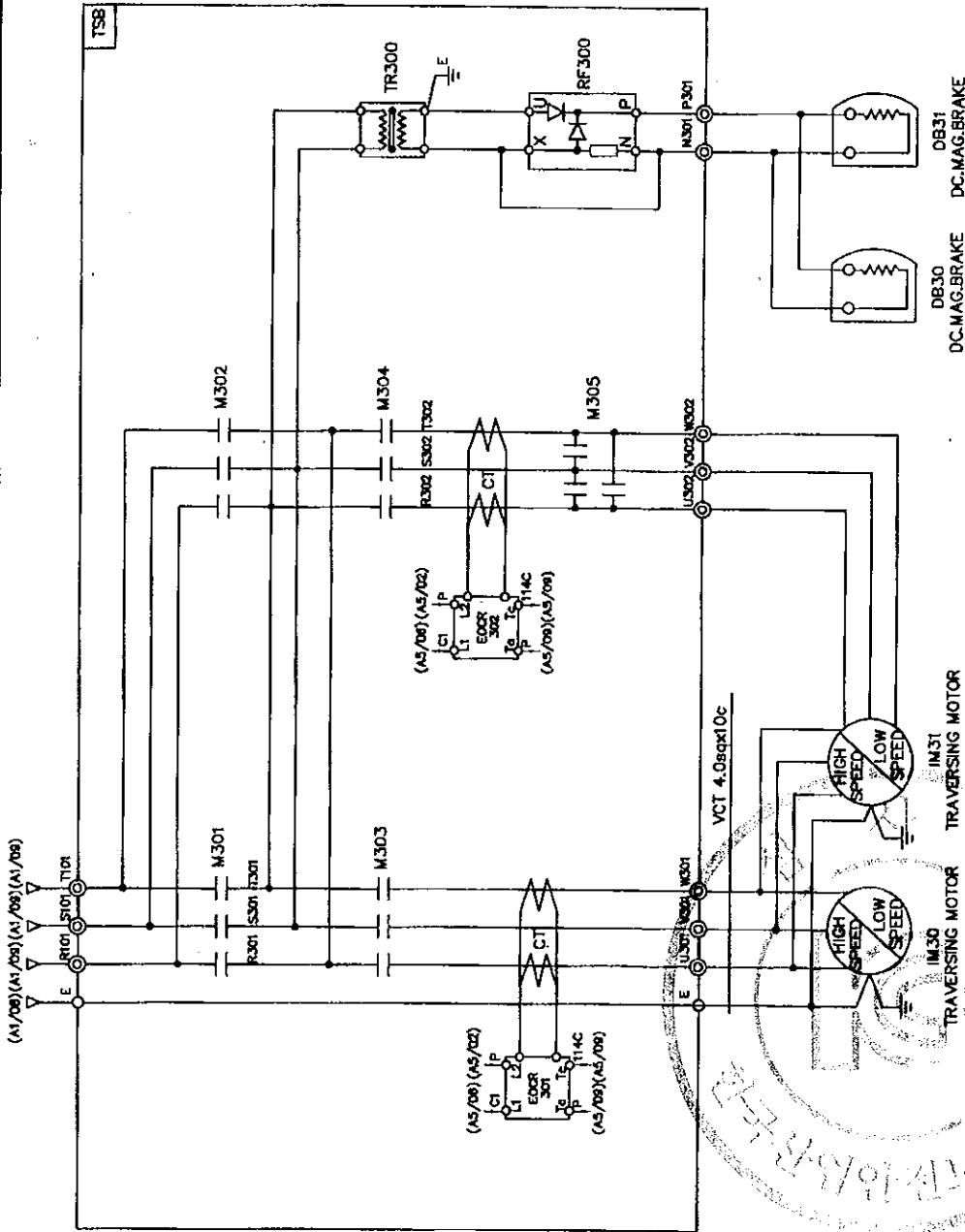


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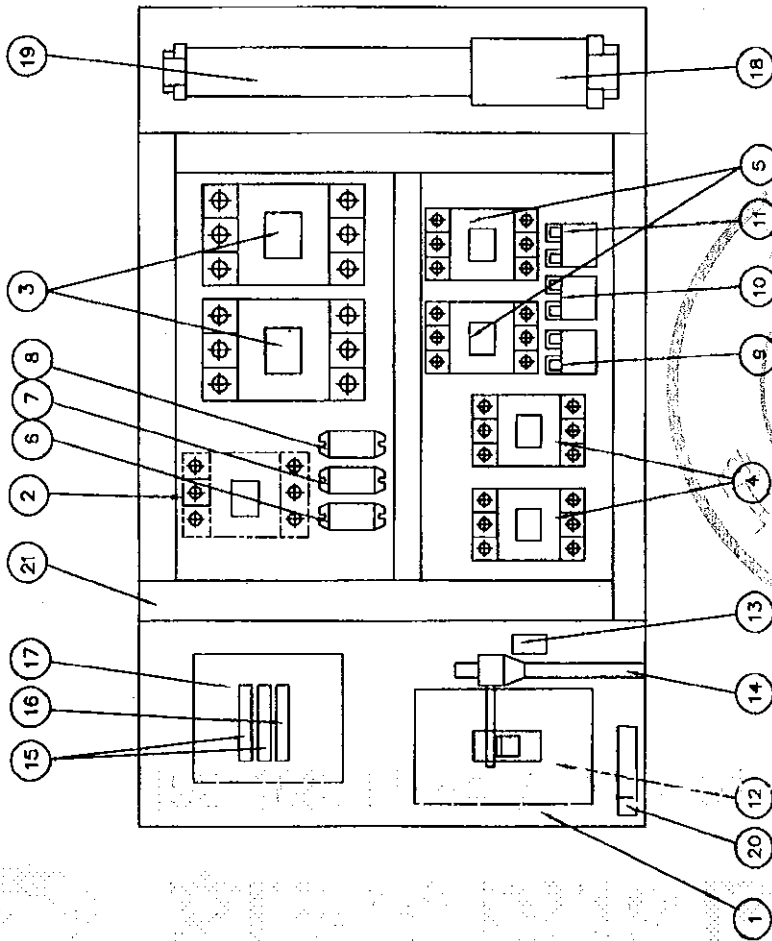


	SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR M 30	DC MAG' BRAKE DB30	MAGNET CONTACTOR M301 , M302 , M303	' SILICON RECTIFIER RF 300	ELECTRIC OVER CURRENT RELAY EOCR 301,302	TRANSFORMER TR-300			
		220V	1.5 / 0.75KWx6 / 12P AC3PH 220V 60Hz	DCC—22P	DCC—22R	SS—30	AC220 / 220V, 300VA			
		220V	1.0 / 0.5KWx4 / 8P AC3PH 220V 60Hz	DCC—22P	DCC—22R	SS—30	AC220 / 220V, 300VA			
	SELECTION MAKER	KUKDONG		DAERYUK	AESCO		SHINWHAN			
	CUSTOMER			DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
	DRAWING TITLE	TRAVERSING POWER CONTROL CIRCUIT						NONE		
	REVISIONS	CHK. APP.	DIAGRAM					DWG. NO	KDC20E25	
								국동호이스트 주식회사 KUK DONG HOIST CO., LTD.		

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



SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
220V	IM 30, IM31	DB30, DB31	M301, M302, M303	RF 300	EOCR 301.302	TR300
1.5/0.75KW/12P AC3PH 220V 60Hz		DC 100V	DOC-22P	SR-30	SS-30	AC220/220V, 300VA
220V	IM30	DC 100V	DOC-22P	SR-30	SS-30	AC220/220V, 300VA
SELECTION MAKER	CUSTOMER	DRAWING TITLE	DWG. NO	DATE	ORDER NO.	SHINWHAN
KUKDONG		TRAVERSING POWER CONTROL CIRCUIT	KDC20E26			
		REVISIONS				
		DATE				
		CHK. APP.				



NOTE

1. UPPER LIMIT LS-1의 전선 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전선 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 380V 60HZ
5. --- : USER SCOPE(MONO RAILS)

- NOTE 1. 전선의 색상은 다음과 같다.
- 1) 녹색 : 교류 및 직류 전원선
 - 2) 적색 : 교류 제어회로
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 황색 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
 4. 제작시 다소 변경 될수있음.
 5. 외함 개방구조는 다음과 같을것.
 - 1) 외함 개방시 충전부분이 차단되도록 함것.
 - 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 현 도 금
2	MAGNET CONTACT	DOC-65P	1	MAIN MAG.
3	MAGNET CONTACT	GMC-125P	2	HOISTING
4	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	NFB	103AF/75AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F11,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	380V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	CABLE DUCT	-	1	

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
DRAWING TITLE	CUSTOMER	DATE	REVISIONS	CHK	APP	
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
	극동호이스트 주식회사 KUK DONG HOIST CO., LTD.	DWG. NO				KDC20BA31



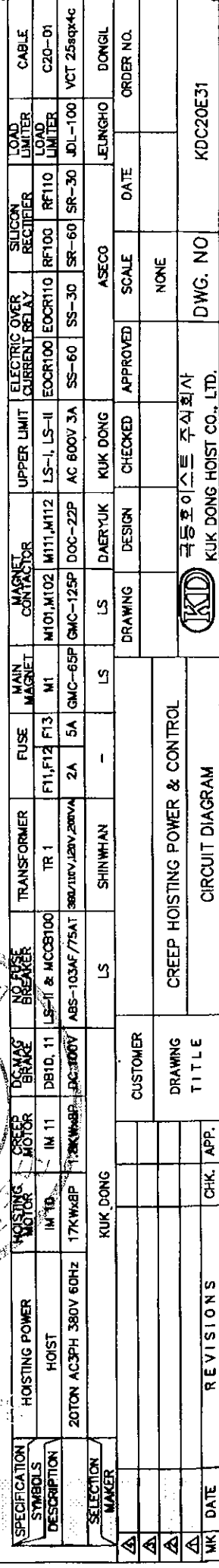
1. UPPER LIMIT LS-1의 전압 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 전압 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC-3Φ 380V 60HZ

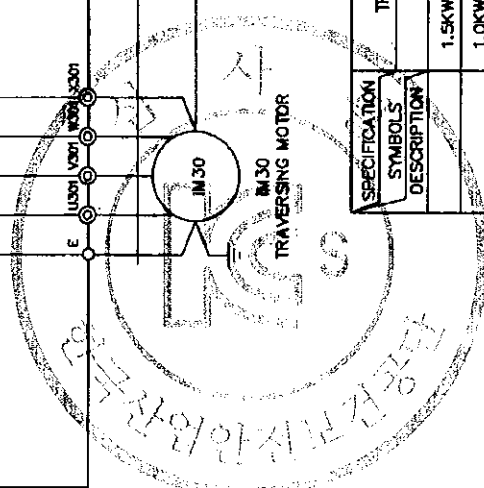
NOTE 1. 전선의 색상은 다음과 같다.

- 1) 복색 : 고무 및 자투 전원선로
2) 적색 : 고무제어피로
3) 주황색 : 외부 전원에서 공급되는 운동장치 제어피로
4) 녹색 또는 녹색과 황색 혼용 : 접지선
- CABLE MATERIAL : [KIV OR EQUIVALENT
MIN SIZE : 2.0sq
제어용 전선 : 2.0mm KIV,Hiv
제작성 다소 변경 될수있음.
외함 기밀구조는 다음과 같음.

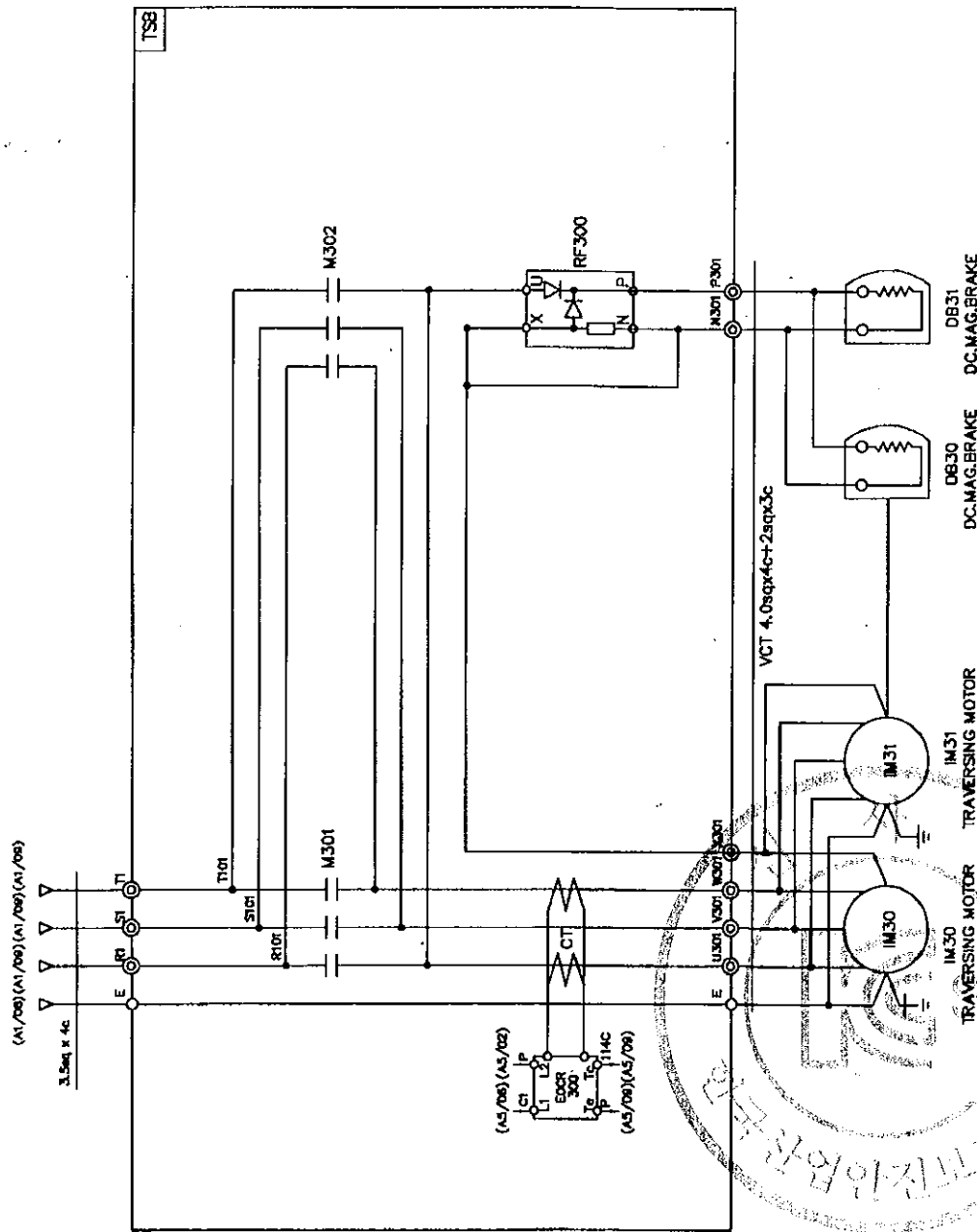
- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X o

[illegible]



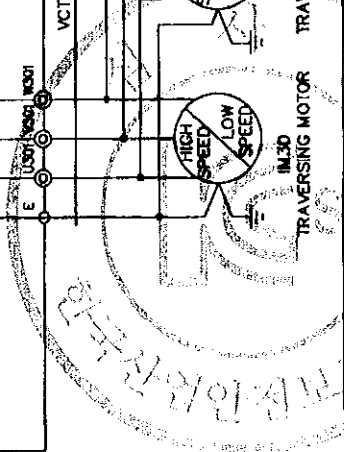
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
C2																			ADR'S NO.



SPECIFICATION		SYMBOLS DESCRIPTION		TRAVERSING MOTOR		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
IM 30, 1M31		1.5KW x 4P AC 3PH 380V 60Hz		M301, M302		RF 300		EOCR 300		LS-301, LS-302		HY - W904	
IM 30, 1M31		1.0KW x 6P AC 3PH 380V 60Hz		DOC-22P AC 110V		SR-30		SS-30		SS-30		HY - W904	
KUK DONG		DAERYUK		ASECO		NONE		NONE		NONE		NONE	
CUSTOMER		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		DIAGRAM		KUK DONG HOIST CO., LTD.		DWG. NO		KDC20E34		ORDER NO.	
DATE		REVISIONS		CHK. APP.									

[illegible]

[illegible]

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

ADR'S NO.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	하 연 도 금
2	MAGNET CONTACT	GMC-65P	1	MAIN MAG.
3	MAGNET CONTACT	GMC-125P	2	HOISTING
4	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	N.F.B	103AF/60AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F1,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	440V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	CABLE DUCT	-	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선으로
- 2) 적색 : 교류 제어회로
- 3) 주황색 : 외부 전원에서 공급되는 운동장치 제어회로
- 4) 녹색 또는 노색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.0sq

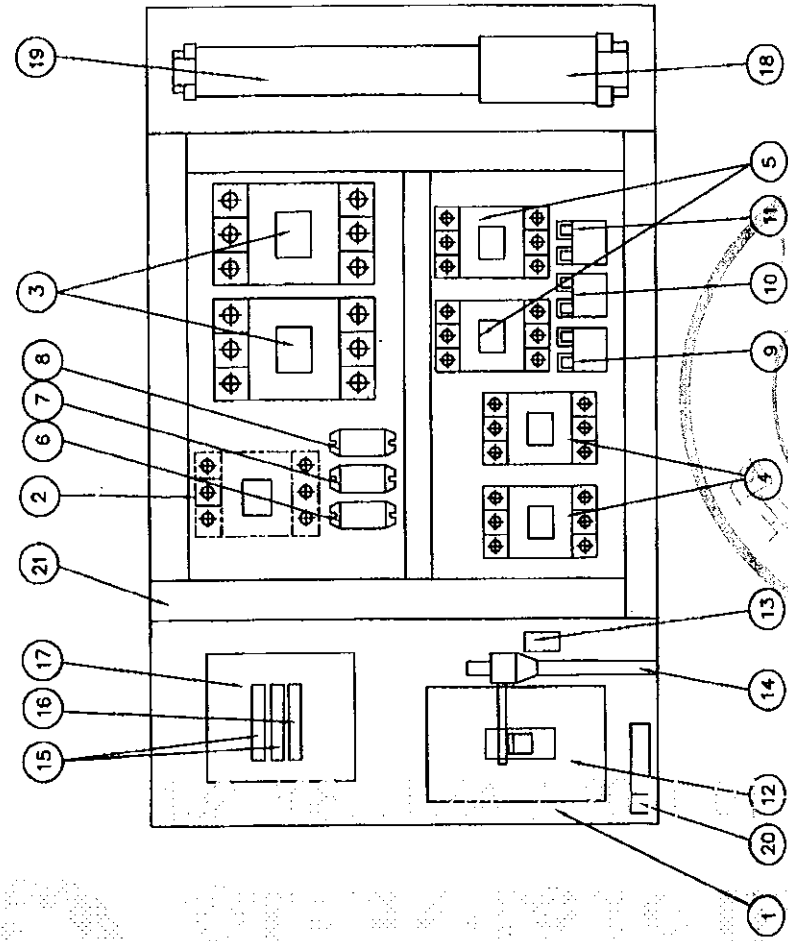
3. 제어용 전선 : 2.0mm KIV,HIV

4. 제하시 다소 변경 될수있음.

5. 외함 개방구조는 다음과 같음.

1) 외함 개방시 충전부분이 차단되도록 함.

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



NOTE

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

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

3. EARTH TERMINAL RESISTANCE : 0.018. Ω

4. POWER SOURCE : AC-3φ 440V 60HZ

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

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC20BA41
KUK DONG HOIST CO., LTD.						
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
MK	DATE	REVISIONS	CHK.	APP.		



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-3 ϕ 440V 60HZ

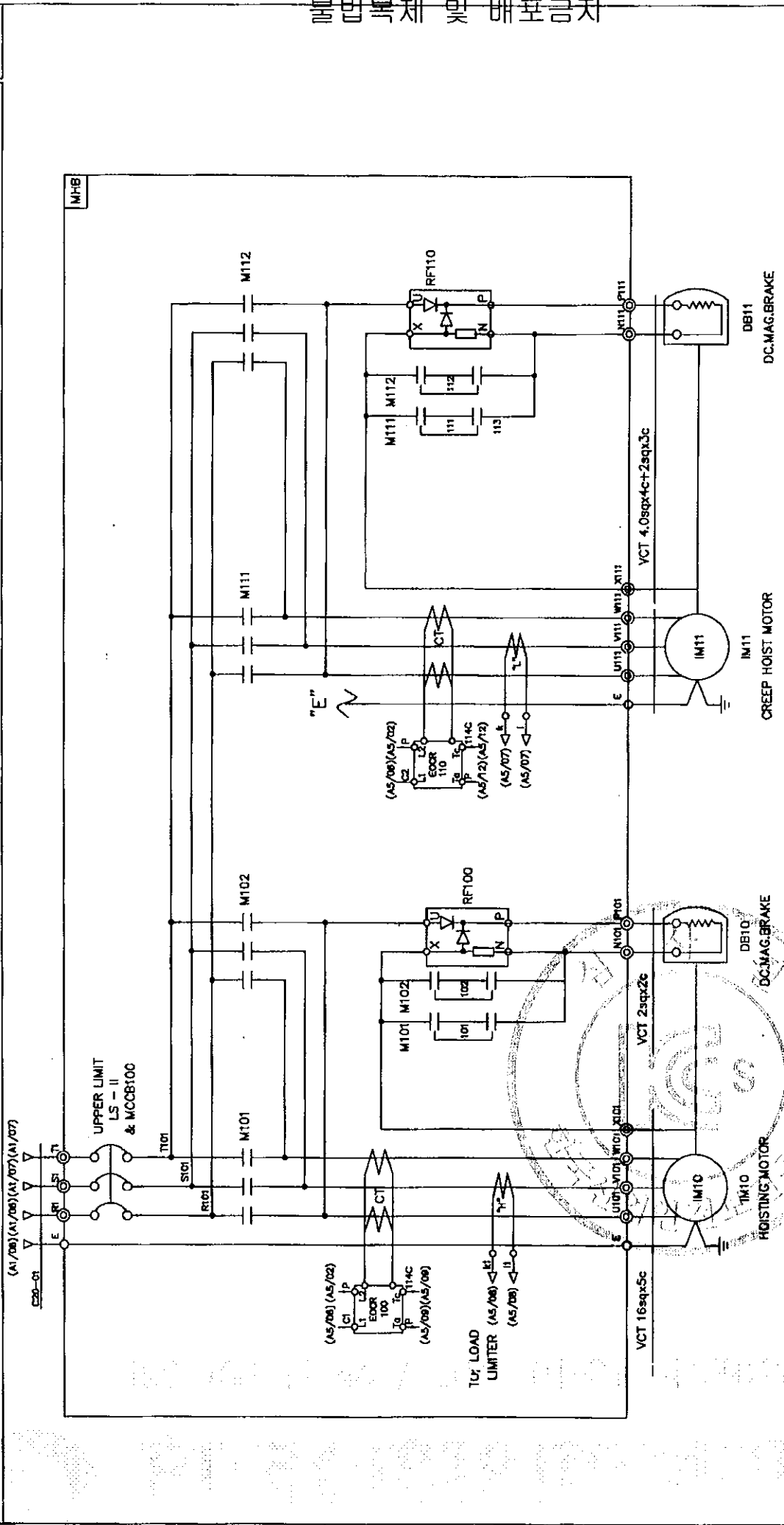
1) 흑색 : 그루 및 직류 전원선로
2) 적색 : 그루제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 녹색과 황색 혼용 : 접지선

CABLE MATERIAL : { KIV OR EQUIVALENT
MIN SIZE : 2.0sq
제어용 전선 : 2.0mm KIV,HIV
제작시 다소 변경 될수있음.
의함 기법구조는 다음과 같음.

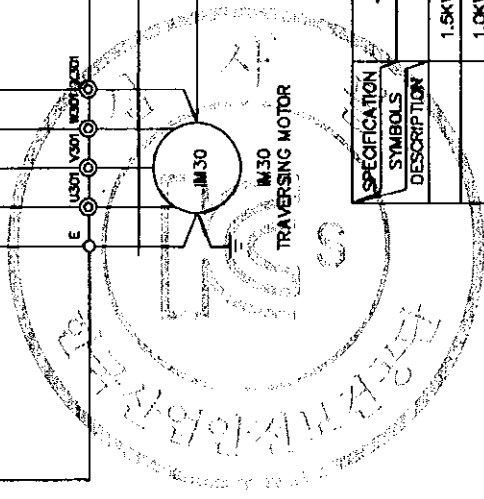
NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 플
2	MAGNET CONTACT	GMC-125P	2	HOISTING
3	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
4	MAGNET CONTACT	DOC-22P	2	TRAVERSING
5	SILICON RECTIFIER	SR-60	1	HOISTING
6	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
7	SILICON RECTIFIER	SR-30	1	TRAVERSING
8	E.O.C.R	SS-60	1	HOISTING
9	E.O.C.R	SS-30	1	CREEP HOISTING
10	E.O.C.R	SS-05	1	TRAVERSING
11	N.F.B	103AF/80AT	1	LS-2
12	UPPER LIMIT	AC 600V/3A	1	LS-1
13	LIMIT LEVER	SS-400	1	
14	FUSE (F11,F12)	2 A	2	
15	FUSE (F13)	5 A	1	
16	TRANSFORMER	440V/110,120V, 200VA	1	
17	TERMINAL BLOCK	100A,25A		
18	TERMINAL BLOCK	15A		
19	EARTH TERMINAL	5t×25x50	1	
20	CABLE DUCT	-	1	

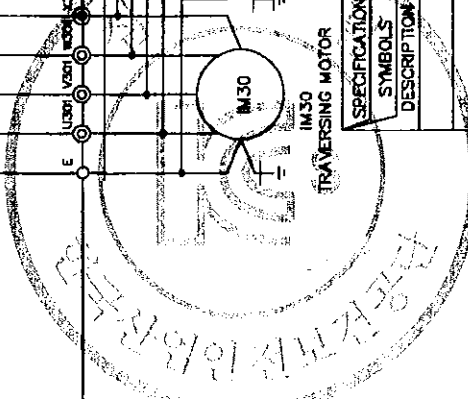
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										BT									
ADP'S NO.										BT									

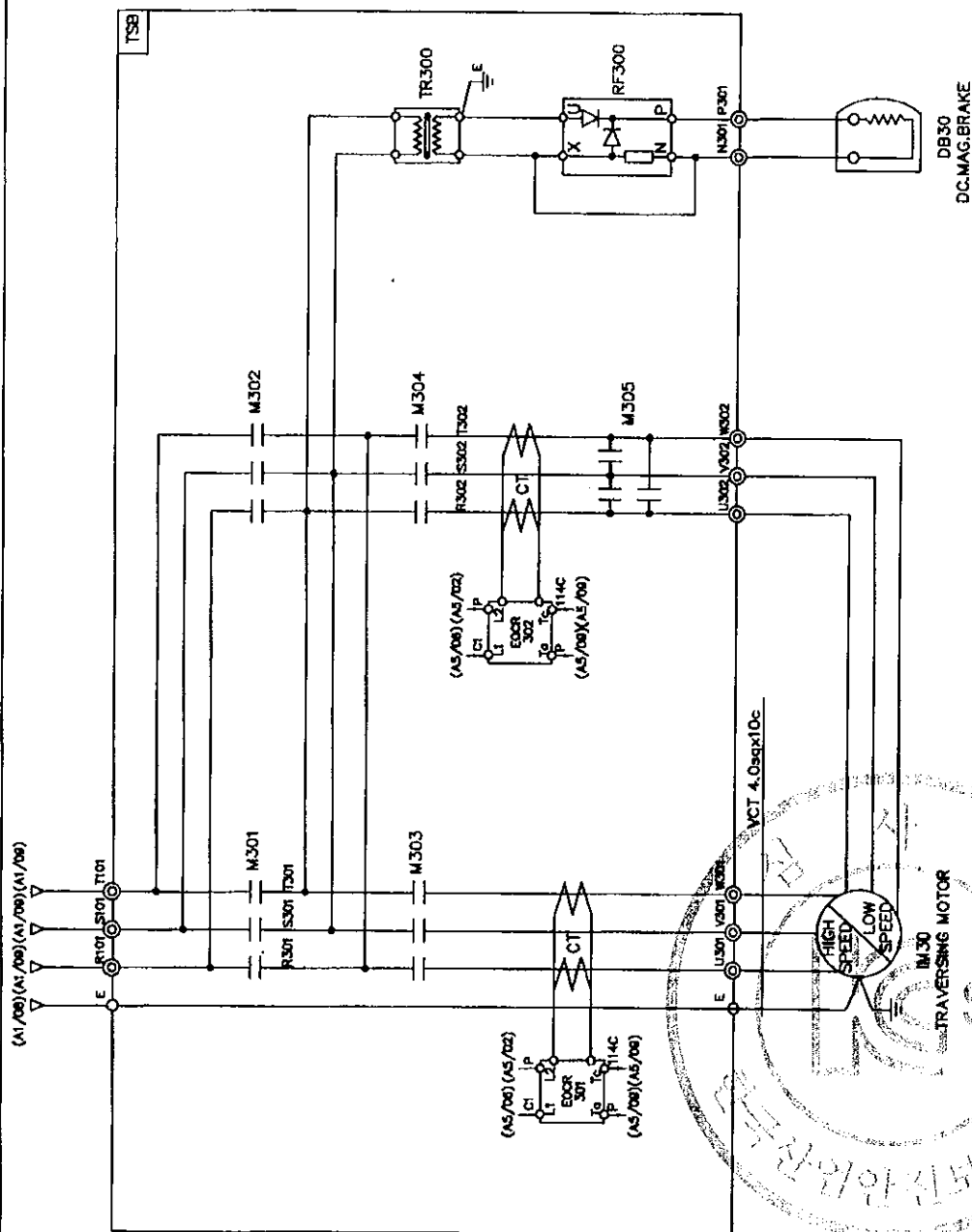


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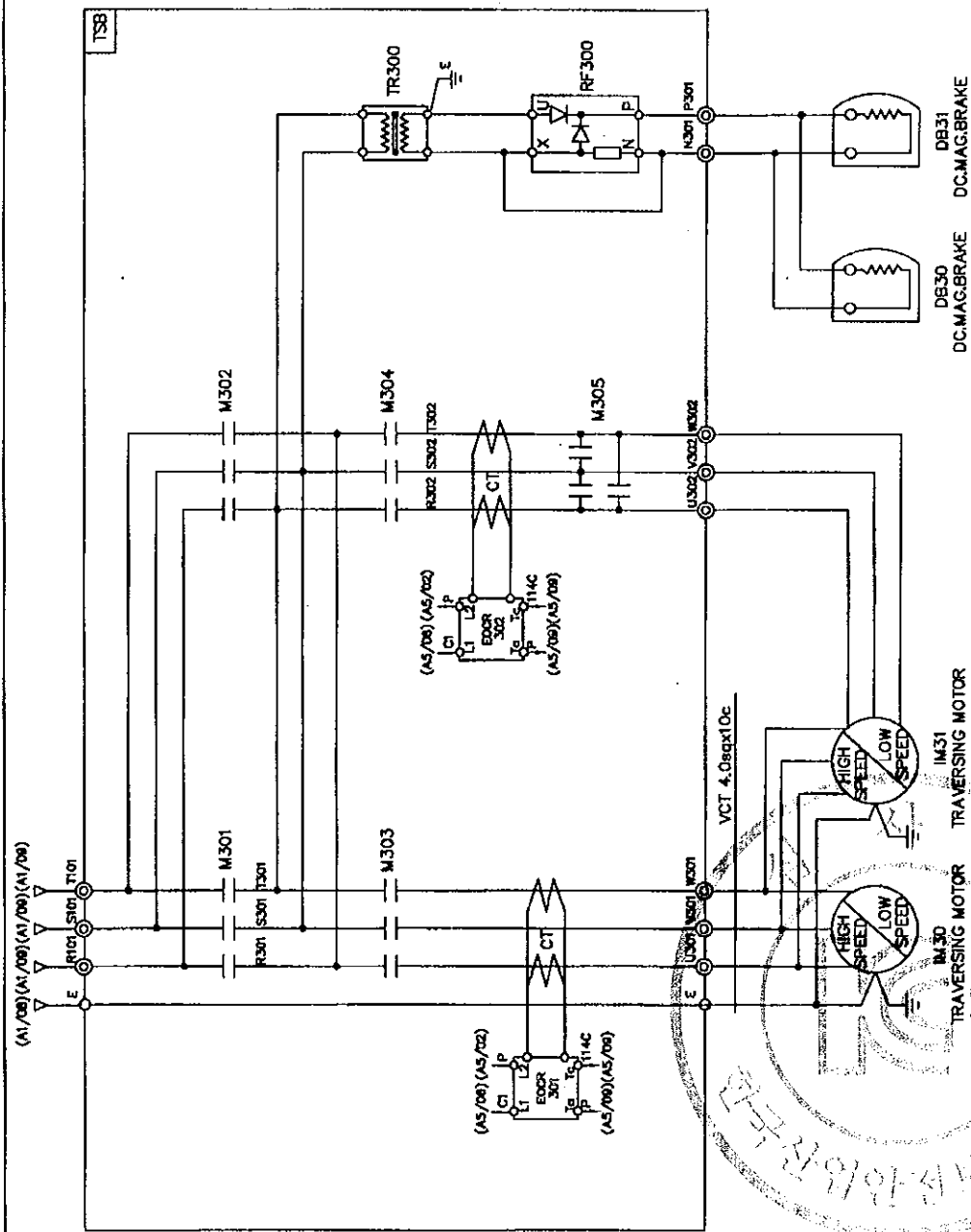
[illegible]

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



SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		1.5/0.75KW 440V 60Hz		M301, M302, M303		RF 300		EOCR 301, 302		TR300	
440V				AC3PH 440V 60Hz		DOC-22P		SR-30		SS-05		AC440/220V, 300VA	
440V				AC3PH 440V 60Hz		DOC-22R		SR-30		SS-05		AC440/220V, 300VA	
SELECTION		MAKER		KUKDONG		DAERYLIK		ASECO		SHINWHAN			
CUSTOMER						DRAWING		DESIGN		CHECKED		APPROVED	
DRAWING		TITLE		TRAVERSING POWER CONTROL CIRCUIT		DATE		SCALE		NONE			
REVISIONS		CHK.		APP.		DWG. NO		KDC20E45					
DATE													

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



SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
DESCRIPTION		IM 30, IM31		DB30, DB31		M301, M302, M303		RF 300		EOCR 301,302		TR300	
440V		1.5/0.75KW/60/12P AC3PH 440V 60Hz		DC 100V		DOC-22P		SR-30		SS-30		AC440/220V, 300VA	
440V		1.5/0.75KW/60/12P AC3PH 440V 60Hz		DC 100V		DOC-22P		SR-30		SS-30		AC440/220V, 300VA	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO		SHINWHAN					
CUSTOMER				DRAWING		DESIGN		CHECKED		APPROVED		SCALE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT											
REVISIONS													
DATE													
CHK. APP.													
DWG. NO		KDC20E46											
DATE													

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

ADR'S NO.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	하 판 도 금
2	MAGNET CONTACT	GMC-65P	1	MAIN MAG.
3	MAGNET CONTACT	GMC-125P	2	HOISTING
4	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	N.F.B	103AF/60AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	LIMIT LEVER	SS-400	1	
15	FUSE (F1,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	460V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A, 25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5x25x50	1	
21	CABLE DUCT	-	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류 전원선
- 2) 적색 : 교류 제어회로
- 3) 파랑색 : 외부 전원에서 공급되는 연동장치 제어회로
- 4) 녹색 또는 노색과 황색 혼용 : 접지선

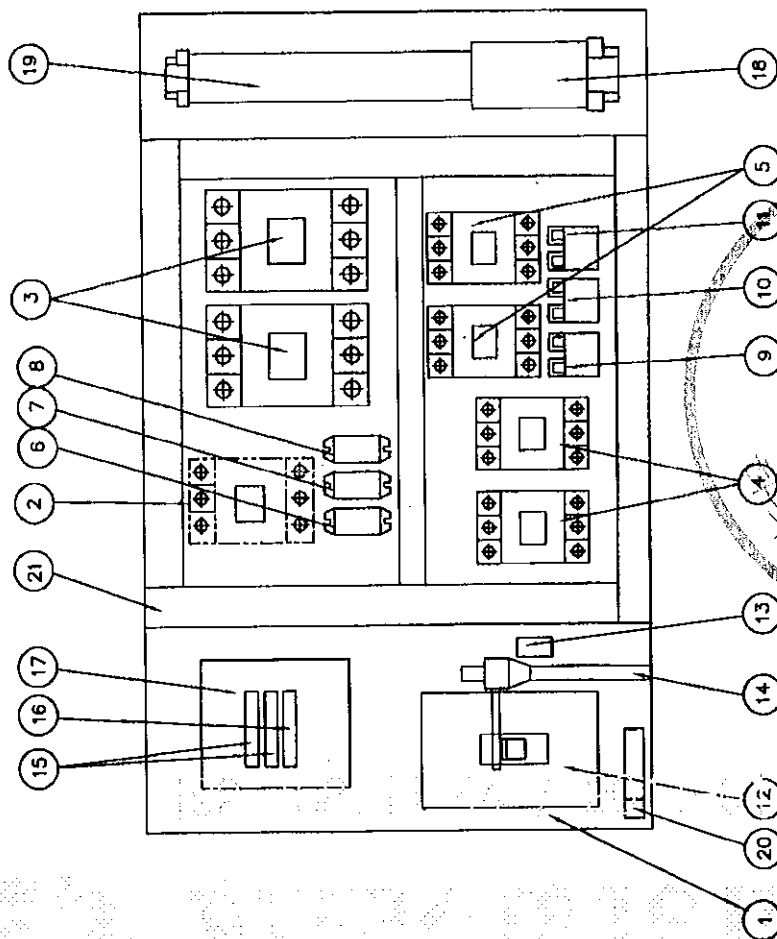
2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.0sq

3. 제어용 전선 : 2.0mm KIV,HIV
4. 제어시 디스플레이 될수있음.
5. 외함 개방구조는 다음과 같음.

1) 외함 개방시 중전부분이 차단되도록 함.

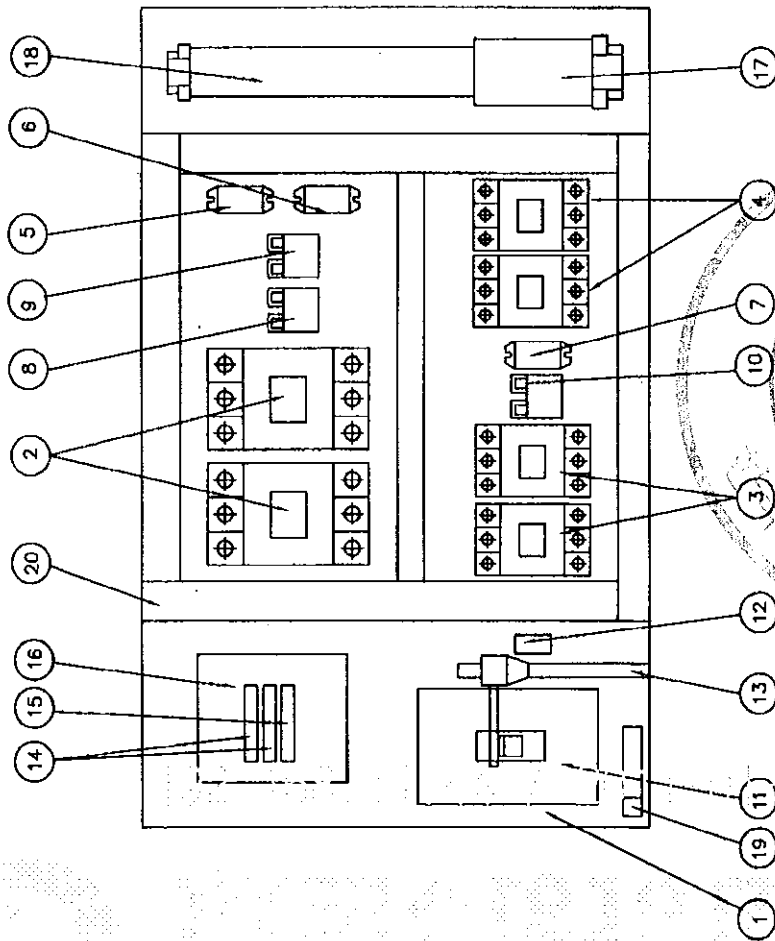
2) 외함 개방후 중전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있음.



1. UPPER LIMIT LS-1와 연결 허용 전류 용량 : AC 600V/3A
2. UPPER LIMIT LS-2와 연결 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC 3φ 460V 60HZ
5. --- : USER SCOPE(MONO RAILS)

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC20BA51
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE						
CHK.						
APP.						

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ADP'S NO.																			



NOTE

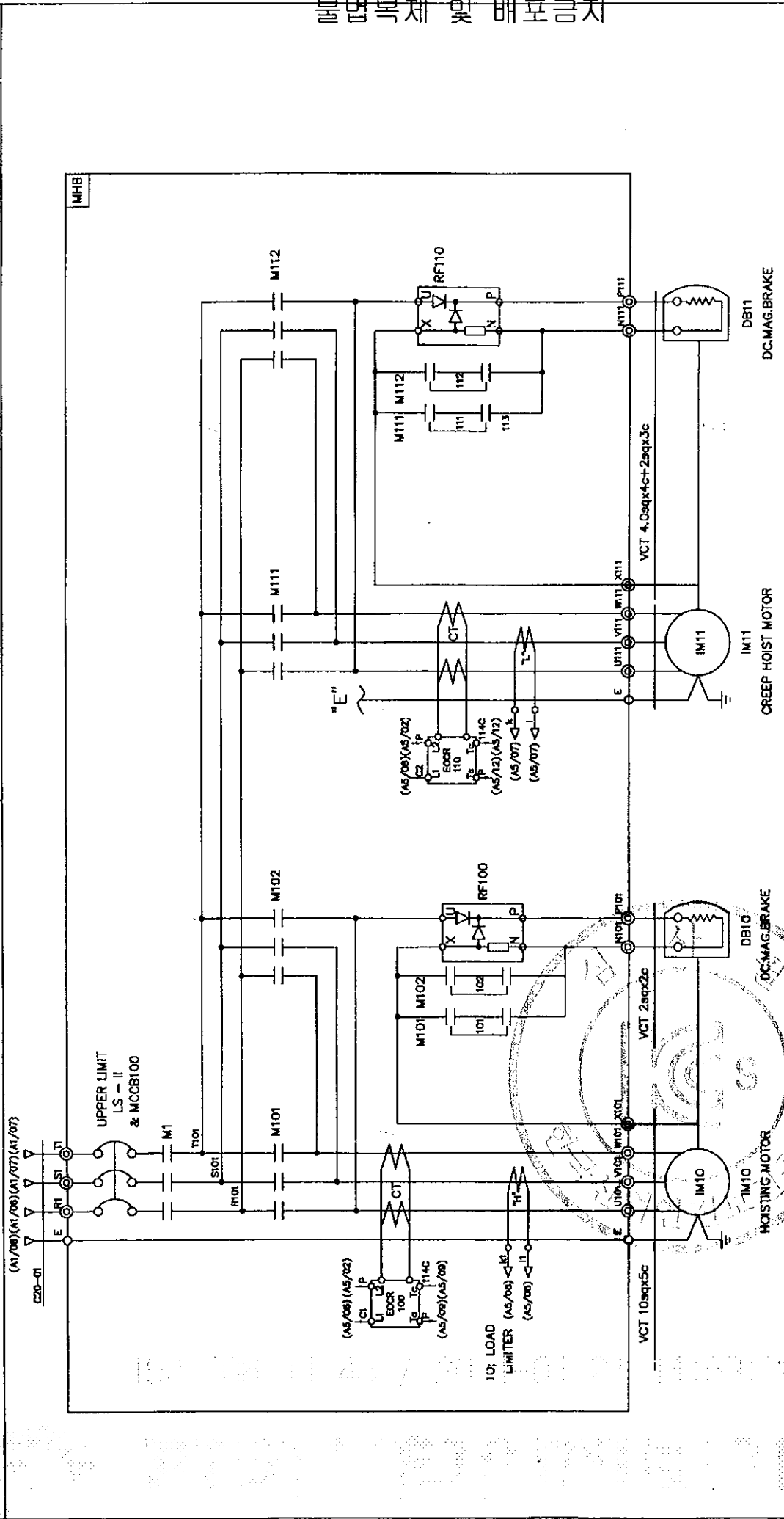
1. UPPER LIMIT LS-1의 점접 허용 전류 용량 : AC 600V, 3A
2. UPPER LIMIT LS-2의 점접 허용 전류 용량 : NFB 103AF
3. EARTH TERMINAL RESISTANCE : 0.018 Ω
4. POWER SOURCE : AC-3φ 460V 60HZ

NOTE

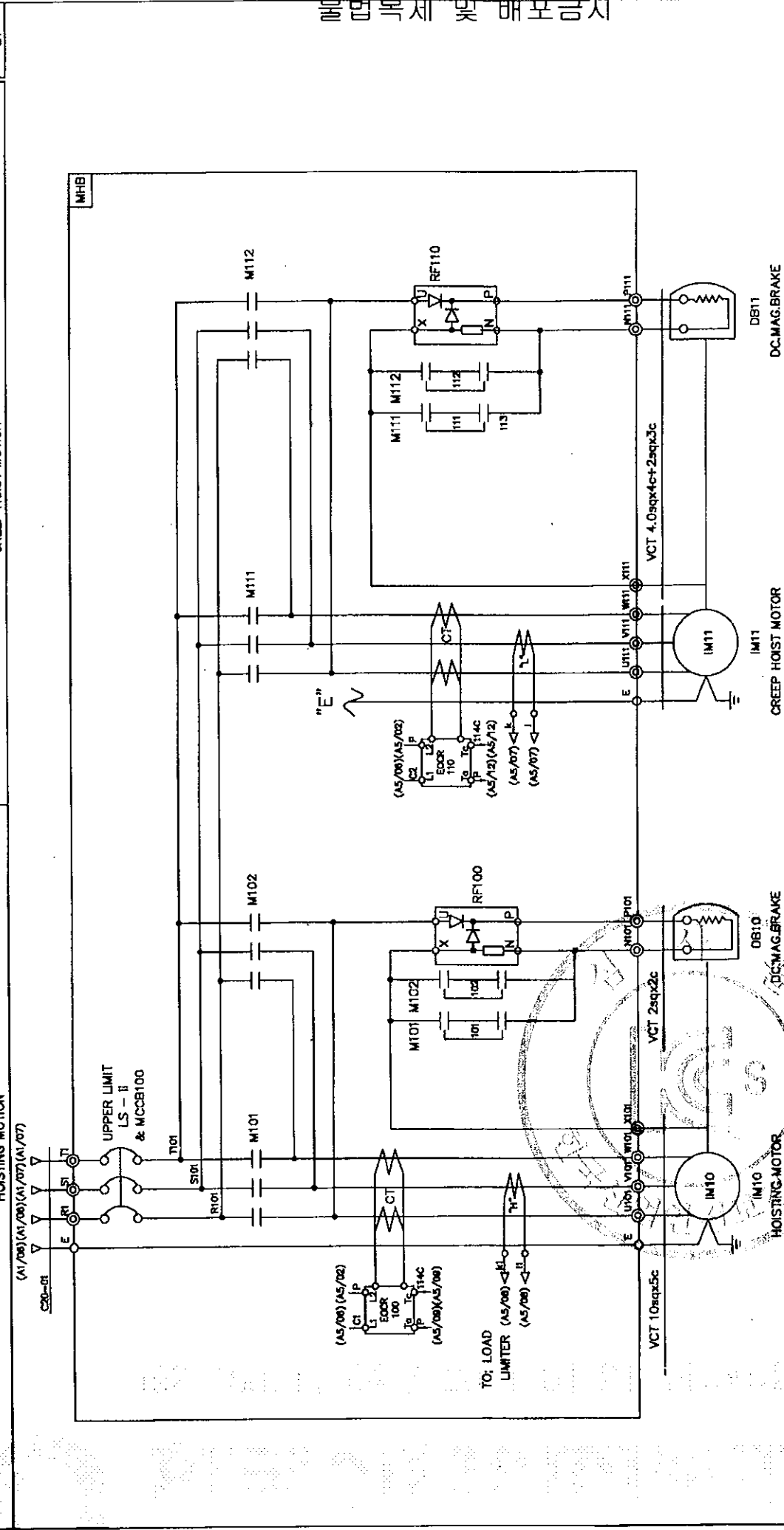
1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류 전원선
2) 적색 : 교류 제어회로
3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
4) 녹색 또는 노란색 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
4. 제작시 다소 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC15BA52
ARRANGEMENT DRAWING						
HOISTING CONTROL BOX(CRANE)						
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
HOISTING MOTION										POWER CIRCUIT									
HOISTING MOTION										CREEP HOIST MOTION									
										B1									
										ADR'S NO.									

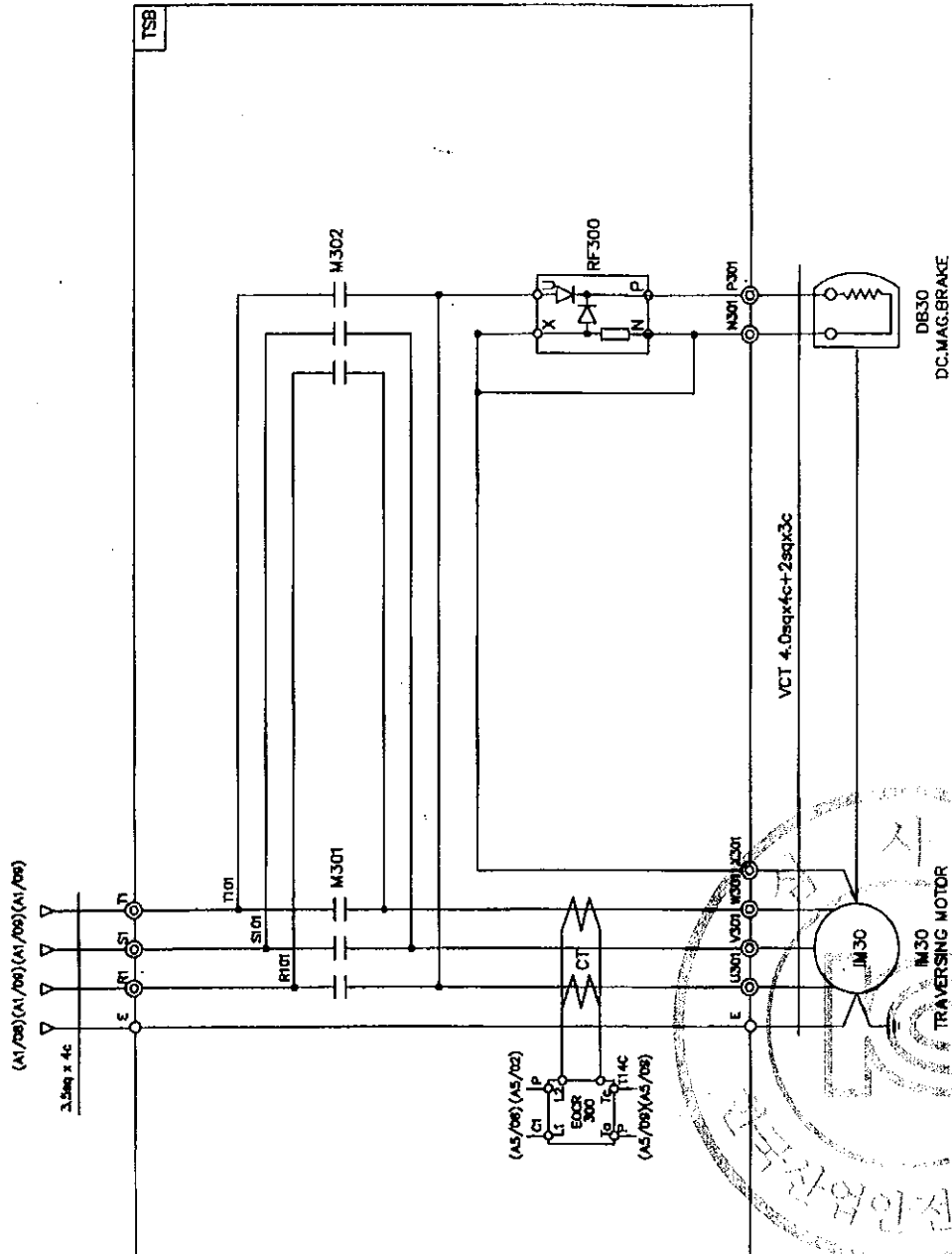


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO. FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
							F1,F12	F13							
DESCRIPTION	HOIST	IM 10	IM 11	DB10, 11	LS-II & MCCB100	TR 1	2A	5A	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
	20TON AC3PH 460V 60Hz	17KWx8P	17KWx8P	DC 100V	ABS-103AF/80AT	460/210V,120V,200VA			GMC-6SP	GMC-12SP	AC 600V 3A	SS-60	SR-60	DL-100	VCT 25sq44c
SELECTION MAKER															
			KUK DONG			LS		SHINWHA		-		LS			
			CUSTOMER												
			DRAWING TITLE			CREEP HOISTING POWER & CONTROL									
			REVISIONS			CIRCUIT DIAGRAM									
			CHK. APP.			극동호이스트 주식회사 KUK DONG HOIST CO., LTD.									
			DATE			DWG. NO									
						KDC20E51									
						ORDER NO.									



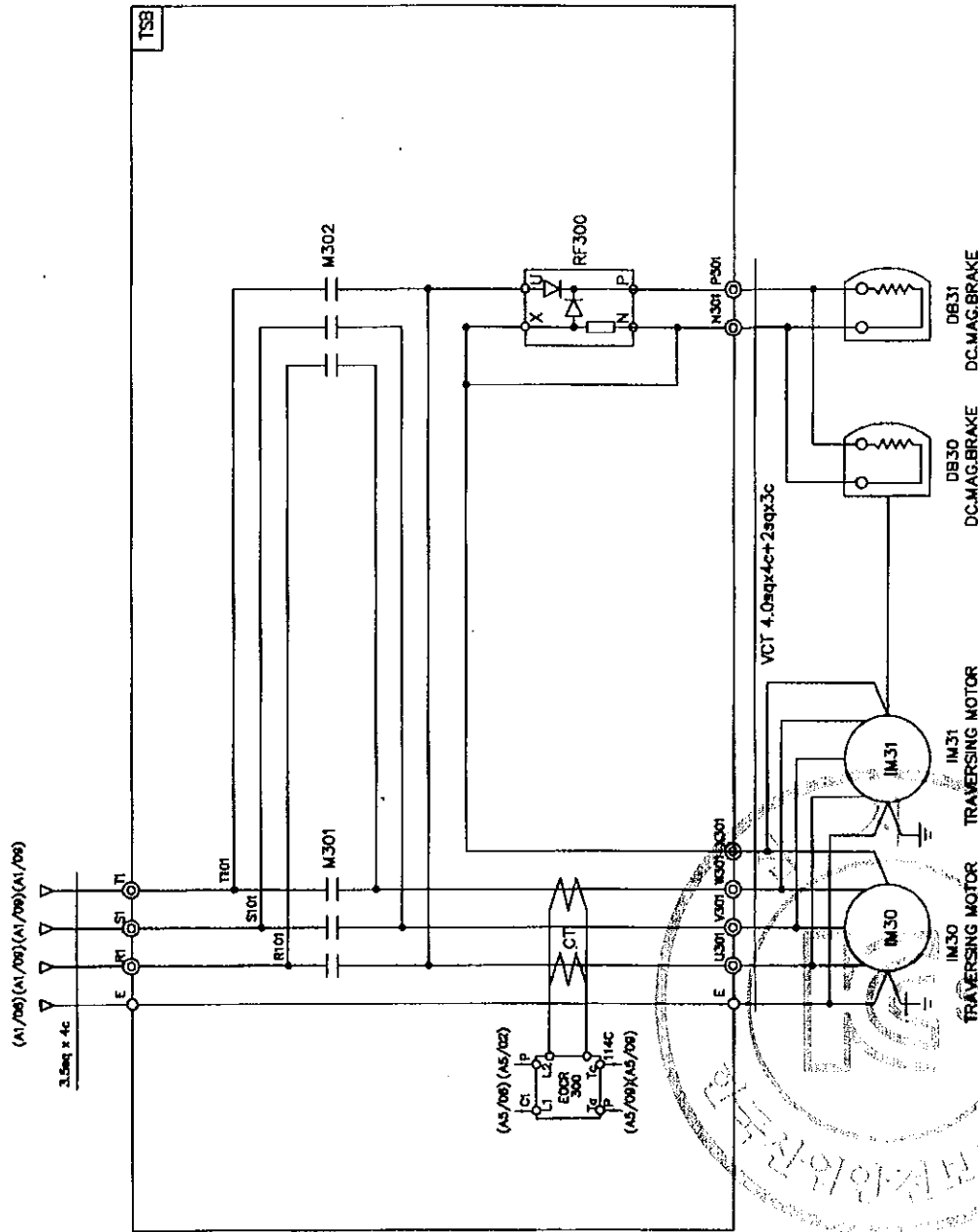
SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
	HOIST	IM 10	IM 11	DS10, 11	LS-II & MCCB100	TR 1	F11, F12	F13	M101, M102 M111, M112	LS-I, LS-II	EOCR100	RF100	RF110	C20-01
DESCRIPTION	20TON AC3PH 460V 60Hz	17KWMBP	1.9KWMBP	DC 100V	ABS-103AF/60AT	460/230V, 280V, 200V	2A	5A	GWC-125P DOC-22P	AC 600V 3A	SS-60	SR-60	JDL-100	VCT 25sq4x4c
	SELECTION MAKER	KUKOONG			LS	SHINWHA	--		LS	KUK DONG	ASECO		JEUNGHO	DONGIL
	REVISIONS	CHK. APP.	CUSTOMER		CREEP HOISTING POWER & CONTROL									
			DRAWING TITLE											
DATE					극동호이스트 주식회사 KUK DONG HOIST CO., LTD.									
WK					DWG. NO									
					KDC20E52									

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.																			C1



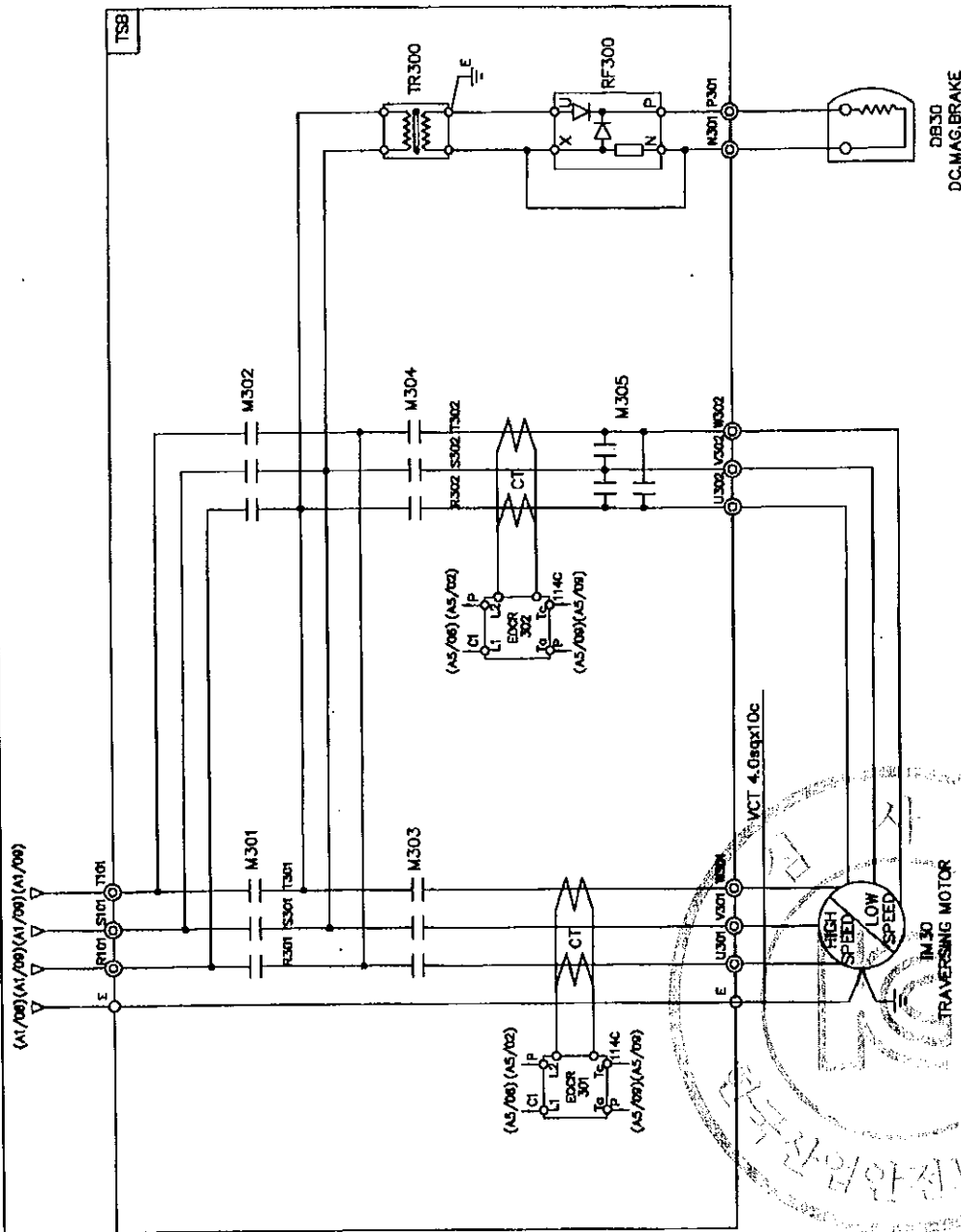
SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
DESCRIPTION		IM 30		DB 30		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
1.5KW x 4P AC 3PH 460V 60Hz				DC 100V		DC-22P AC 110V		SR-30		SS-05		HY - W904	
1.0KW x 6P AC 3PH 460V 60Hz				DC 100V		DC-22P AC 110V		SR-30		SS-05		HY - W904	
SELECTION		KUKDONG		DAERYUK		ASECO							
MAKER													
CUSTOMER													
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT											
REVISIONS													
DATE													
CHK. APP.													
DWG. NO.													
ORDER NO.													
KUKDONG													
KUK DONG HOIST CO., LTD.													
KDC20E53													

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

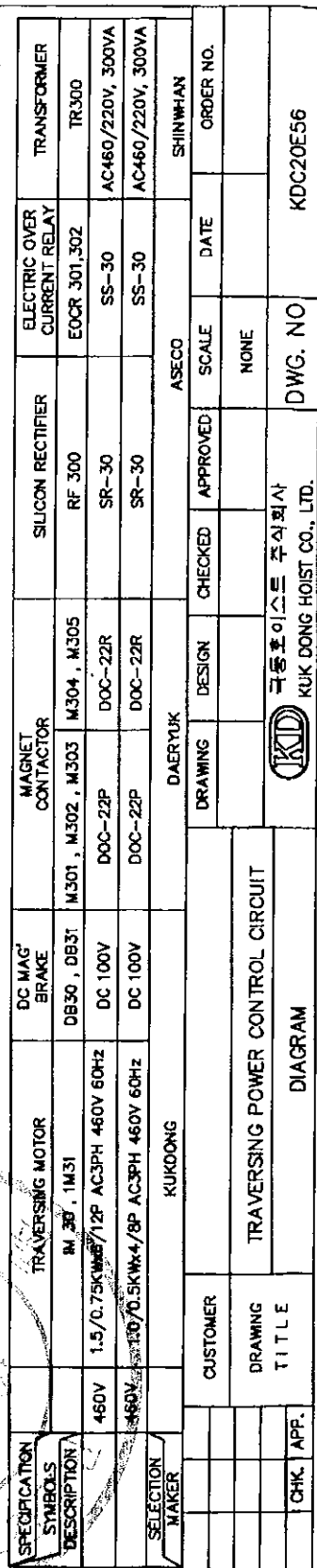


SPECIFICATION SYMBOLS DESCRIPTION		TRAVERSING MOTOR	IM 30 , 1M31	1.5KW x 4P AC 3PH 460V 60Hz	1.0KW x 6P AC 3PH 460V 60Hz	TRAVERSING MOTOR	IM30	IM31	TRAVERSING MOTOR	IM30	IM31	TRAVERSING MOTOR	IM30	IM31	TRAVERSING MOTOR	IM30	IM31	TRAVERSING MOTOR	IM30	IM31
SELECTION MAKER		KUK DONG																		
CUSTOMER		DAERYUK																		
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT																		
REVISIONS		DIAGRAM																		
DATE		KUK DONG HOIST CO., LTD.																		
CHK APP.		KDC20E54																		
LIMIT SWITCH		LS-301 , LS-302																		
ELECTRIC OVER CURRENT RELAY		EOCR 300																		
SILICON RECTIFIER		RF 300																		
MAGNET CONTACTOR		M301 , M302																		
DC-MAG.BRAKE		DB 30																		
DC-MAG.BRAKE		DC 100V																		
DC-MAG.BRAKE		DC 100V																		
DAERYUK		DAERYUK																		
KUK DONG		KUK DONG																		
DRAWING		DRAWING																		
DESIGN		DESIGN																		
CHECKED		CHECKED																		
APPROVED		APPROVED																		
SCALE		SCALE																		
DATE		DATE																		
ORDER NO.		ORDER NO.																		
DWG. NO		DWG. NO																		
KDC20E54		KDC20E54																		

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		TRAVERING MOTOR		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
DESCRIPTION		IM 30		M301, M302, M303, M304, M305		RF 300		EOCR 301,302		TR300	
460V		1.5/0.75KW/60/12P AC3PH 460V 60Hz		DC 100V		DC 100V		SS-05		AC460/220V, 300VA	
460V		1.5/0.75KW/60/12P AC3PH 460V 60Hz		DC 100V		DC 100V		SS-05		AC460/220V, 300VA	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO		SHINWHAN		ORDER NO.	
CUSTOMER		KUKDONG		DAERYUK		ASECO		SHINWHAN		DATE	
DRAWING TITLE		TRAVERING POWER CONTROL CIRCUIT		DAERYUK		ASECO		SHINWHAN		SCALE	
REVISIONS		NONE		NONE		NONE		NONE		DWG. NO	
CHK. APP.		KUKDONG		DAERYUK		ASECO		SHINWHAN		KOC20E55	
DATE		2011-01-21		2011-01-21		2011-01-21		2011-01-21		KOC20E55	

[illegible]

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

NO	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	MAGNET CONTACT	GMC-65P	1	MAIN MAG.
3	MAGNET CONTACT	GMC-125P	2	HOISTING
4	MAGNET CONTACT	DOC-22P	2	CREEP HOISTING
5	MAGNET CONTACT	DOC-22P	2	TRAVERSING
6	SILICON RECTIFIER	SR-60	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOISTING
8	SILICON RECTIFIER	SR-30	1	TRAVERSING
9	E.O.C.R	SS-60	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOISTING
11	E.O.C.R	SS-05	1	TRAVERSING
12	N.F.B	103AF/60AT	1	LS-2
13	UPPER LIMIT	AC 600V/3A	1	LS-1
14	UNIT LEVER	SS-400	1	
15	FUSE (F1,F12)	2 A	2	
16	FUSE (F13)	5 A	1	
17	TRANSFORMER	480V/110,120V, 200VA	1	
18	TERMINAL BLOCK	100A,25A		
19	TERMINAL BLOCK	15A		
20	EARTH TERMINAL	5tx25x50	1	
21	CABLE DUCT	-	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 녹색 : 교류 및 직류 전원선로
- 2) 적색 : 교류제어회로
- 3) 파랑색 : 외부 전원에서 공급되는 전동장치 제어회로
- 4) 녹색 또는 녹색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

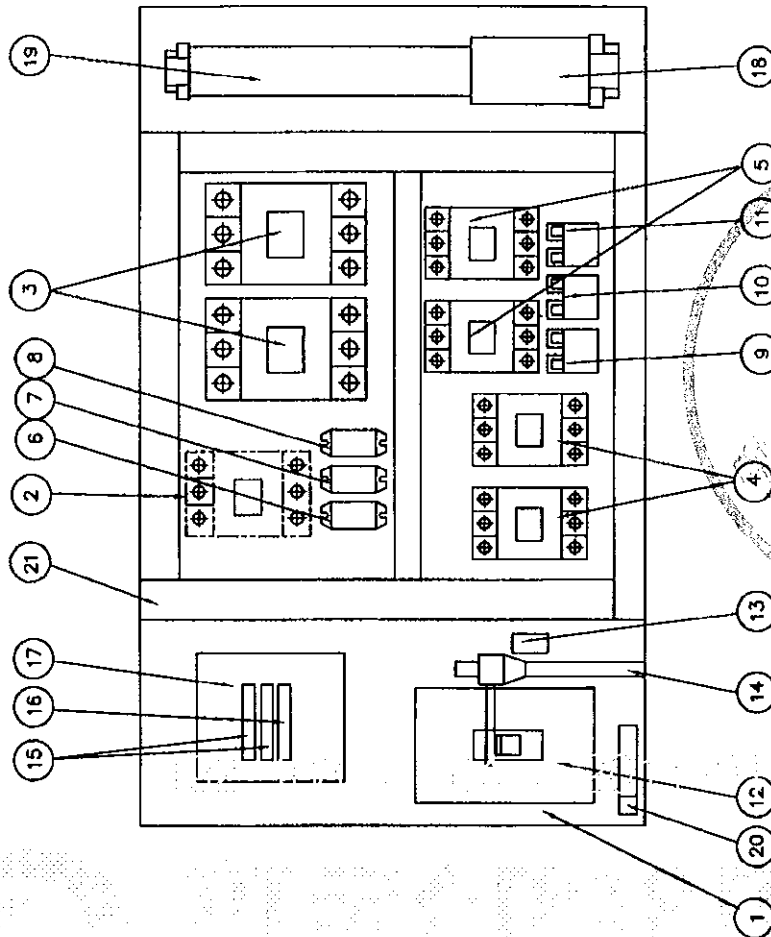
3. 제어용 전선 : 2.0mm KIV,HIV

4. 제어시 다스 변경 필수있음.

5. 외함 개방구조는 다음과 같음것.

1) 외함 개방시 중전부분이 차단되도록 함것.

2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 외전 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 480V 60HZ
5. ----- : USER SCOPE(MONO RATED)

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC20BA61
KUK DONG HOIST CO., LTD.						
HOISTING CONTROL BOX						
ARRANGEMENT DRAWING						
DATE	REVISIONS	CHK.	APP.			



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

NOTE 1. 전선의 액상은 다음과 같다.

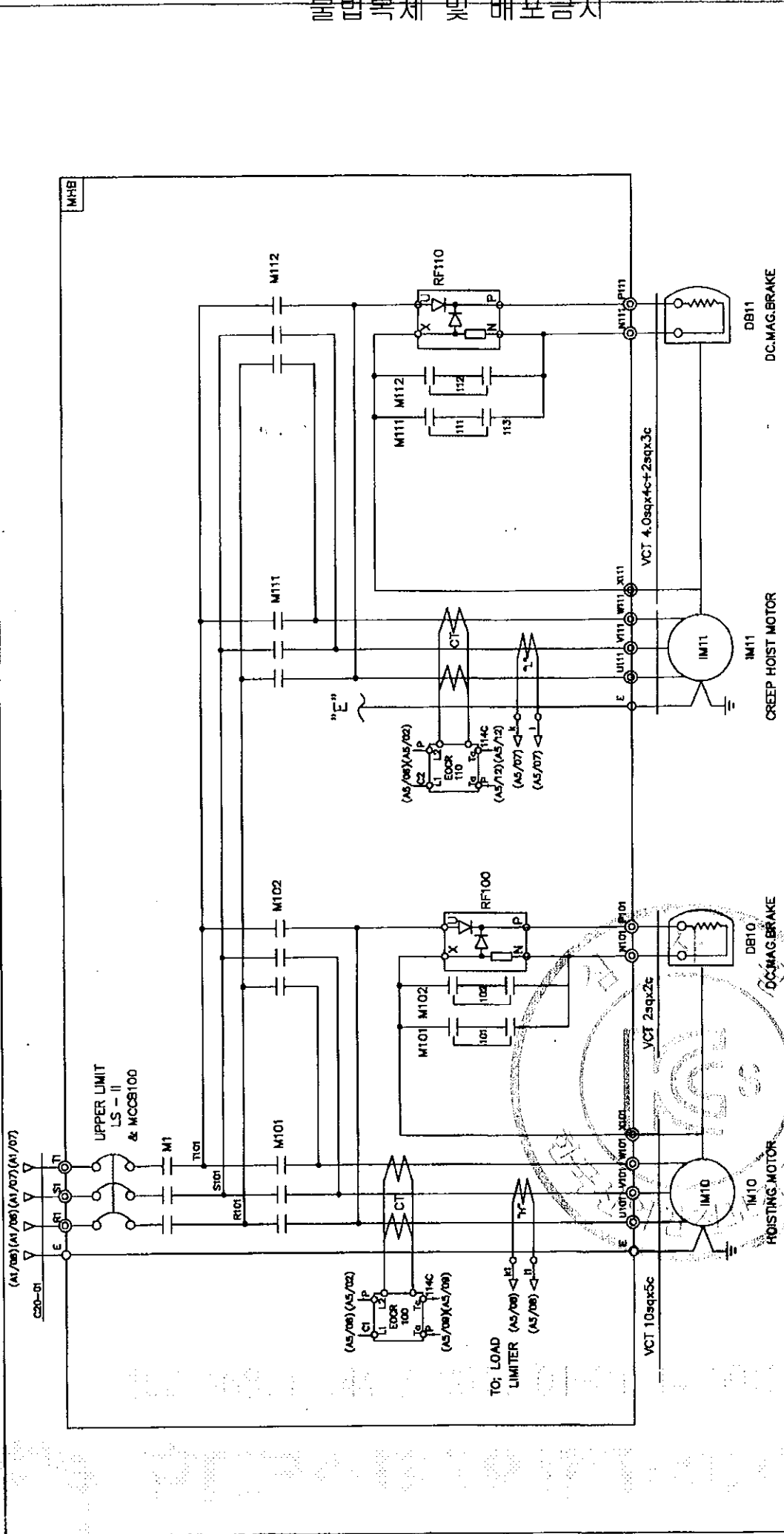
- 1) 용어 : 고무 및 비후 천연신토
 - 2) 직경 : 고무제어외로
 - 3) 주합어 : 외부 전원에서 공급되는 전동장치 제어외로
 - 4) 녹여 또는 녹여과 황화 반응 : 전지선
2. CABLE MATERIAL : 「 KIV OR EQUIVALENT
MIN SIZE : 2.0sq
3. 제어용 전선 : 2.0mm KIV,HIV
 4. 제작성 다소 변경 될수있음.
 5. 외함 기법구조는 다음과 같음것.

1) 외함 기방시 충전부분이 차단되도록 함.

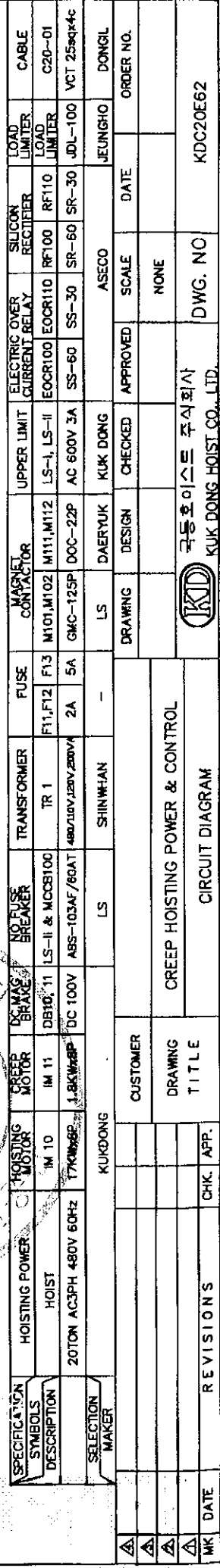
- 2) 외함 기항후 용진되어있는 부분은 P2X 이상의 외접 접착 부분이 되어있을 수.

[illegible]

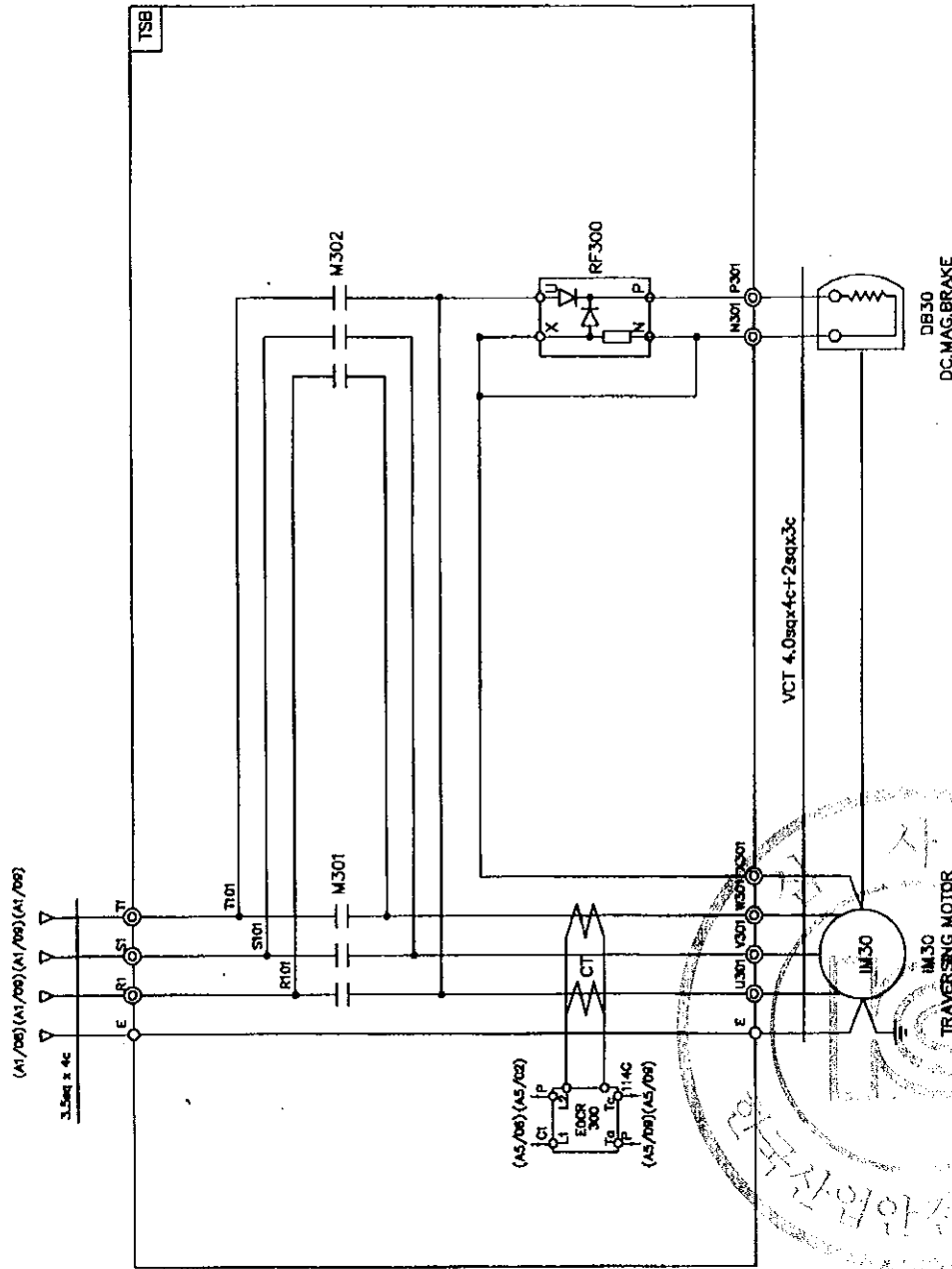
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POWER CIRCUIT																			
HOISTING MOTION																			
CREEP HOIST MOTION																			
B1																			
ADR'S NO.																			



SPECIFICATION SYMBOLS DESCRIPTION	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE		MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE	
							F1,F12	F13								
20TON AC3PH 480V 60Hz	HOIST	IM 10	IM 11	DB10, 11	LS-I & MCCB100	TR 1	2A	5A	M1	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01	
							ABS-103AF/60AT	480V/110V/120V/200V								
		17KWx8P	1.8KWx8P	DC-100V		SHINWHAN	-		LS	LS	KUK DONG	ASECO		JL-100	VCT 25sqx4c	
SELECTION MAKER																
△				CUSTOMER					DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.	
△																
△									CREEP HOISTING POWER & CONTROL							
△				DRAWING TITLE												
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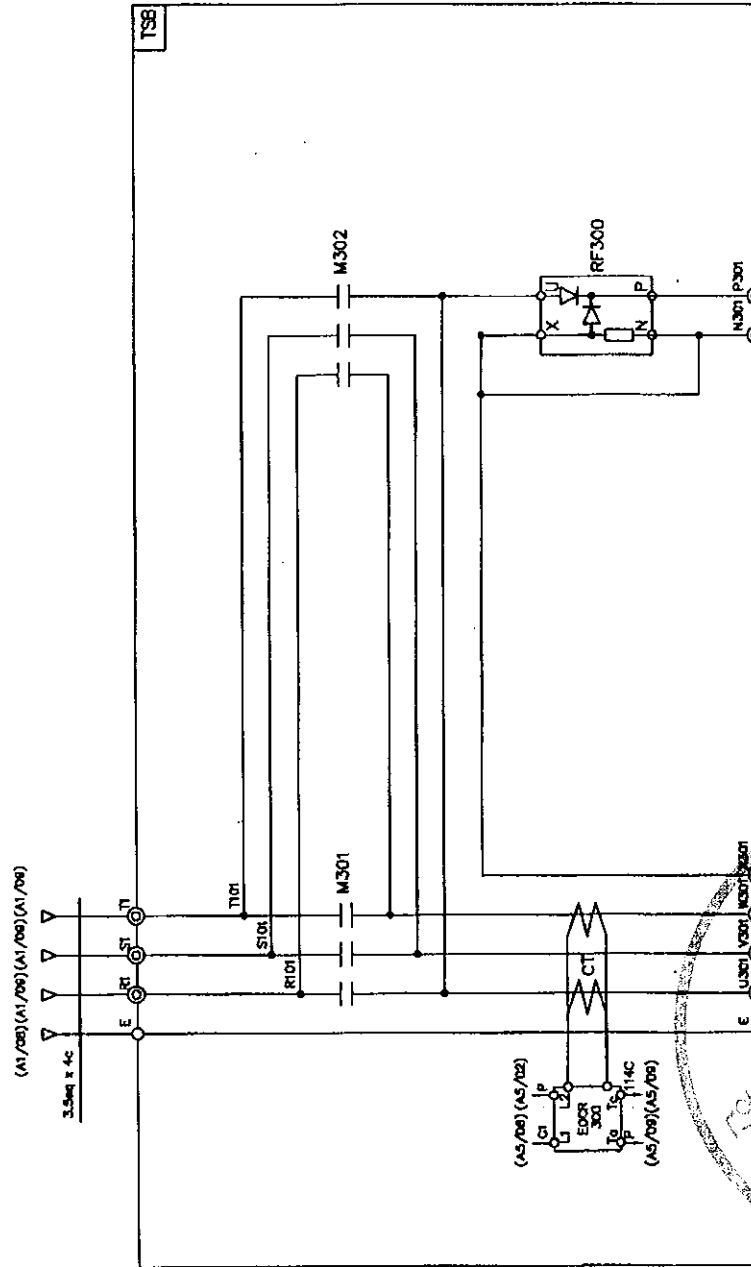


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
C1																			

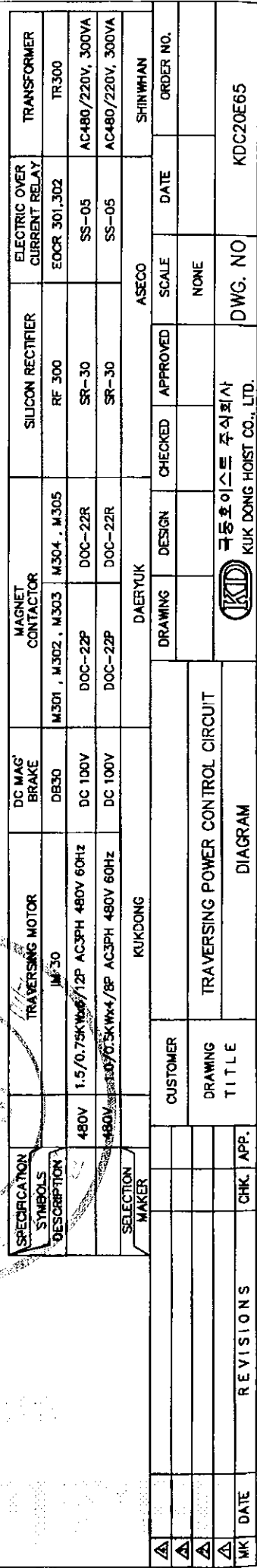


SPECIFICATION SYMBOLS DESCRIPTION		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
IM 30		DB 30		M301, M302		RF 300		SR-30		EOCR 300		LS-301, LS-302	
1.5KW x 4P AC 3PH 480V 60Hz		DC 100V		DOC-22P AC 110V		DOC-22P AC 110V		SR-30		SS-05		HY - W904	
1.0KW x 6P AC 3PH 480V 60Hz		DC 100V		DOC-22P AC 110V		DOC-22P AC 110V		SR-30		SS-05		HY - W904	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO							
CUSTOMER				DRAWING		DESIGN		CHECKED		APPROVED		SCALE	
DRAWING TITLE													
TRAVERSING POWER CONTROL CIRCUIT													
DIAGRAM													
DATE		REVISIONS		CHK.		APP.							
KUKDONG HOIST CO., LTD.													
KDC20E63													

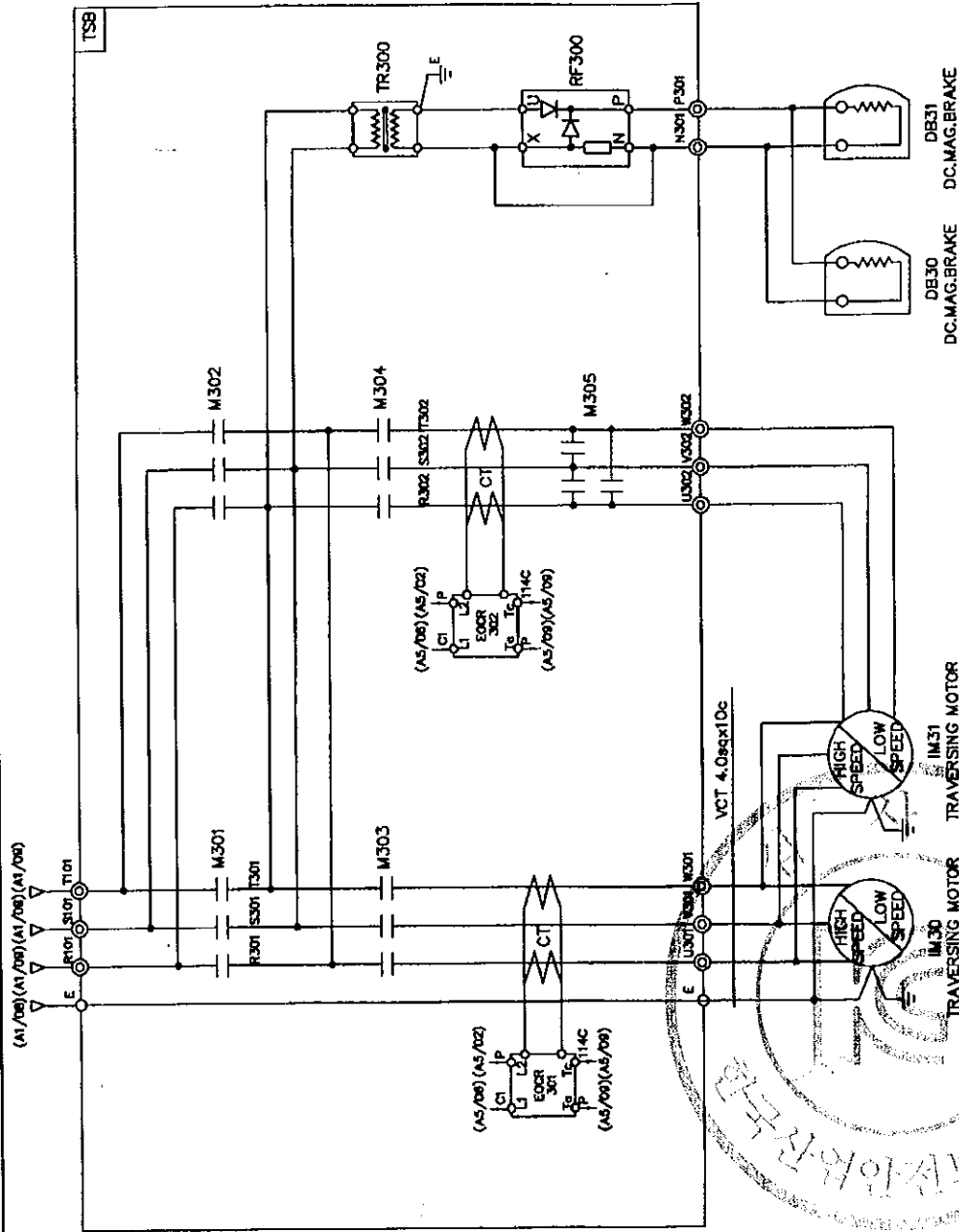
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



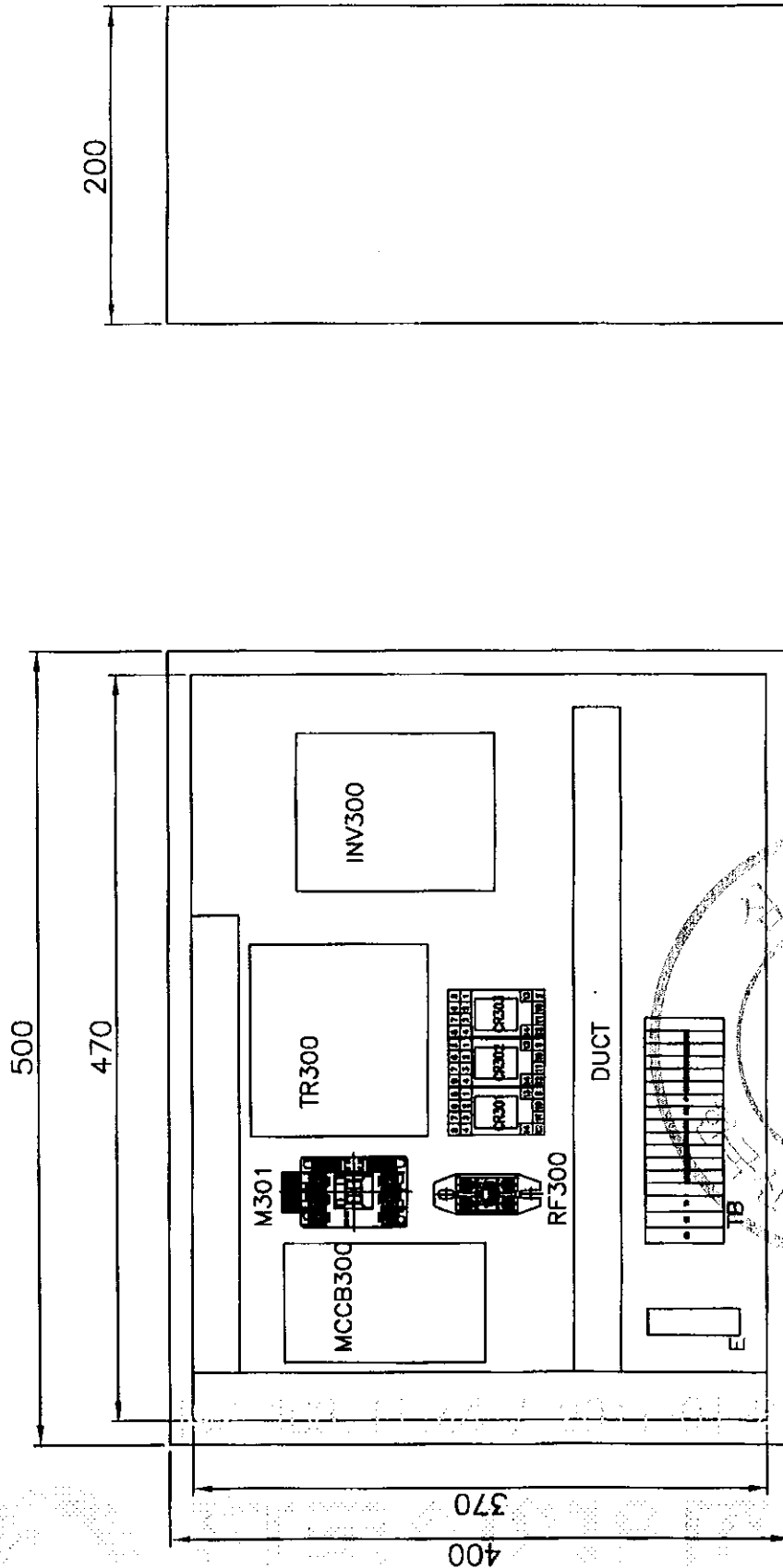
SPECIFICATION SYMBOLS		DESCRIPTION		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
IM 30		1M 30 x 4P AC 3PH 480V 60Hz		DB 30		DC 100V		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
IM 31		1.5KW x 4P AC 3PH 480V 60Hz		DB 31		DC 100V		M301, M302		SR-30		SS-30		HY - W904	
IM 30		1.0KW x 6P AC 3PH 480V 60Hz		DB 31		DC 100V		M301, M302		SR-30		SS-30		HY - W904	
SELECTION MAKER		KUK DONG		DAERYUK		ASECO		APPROVED		SCALE		DATE		ORDER NO.	
CUSTOMER															
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT													
REVISIONS															
DATE															
CHK.															
APP.															
DWG. NO.		KDC20E64													
KUK DONG HOIST CO., LTD.															



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

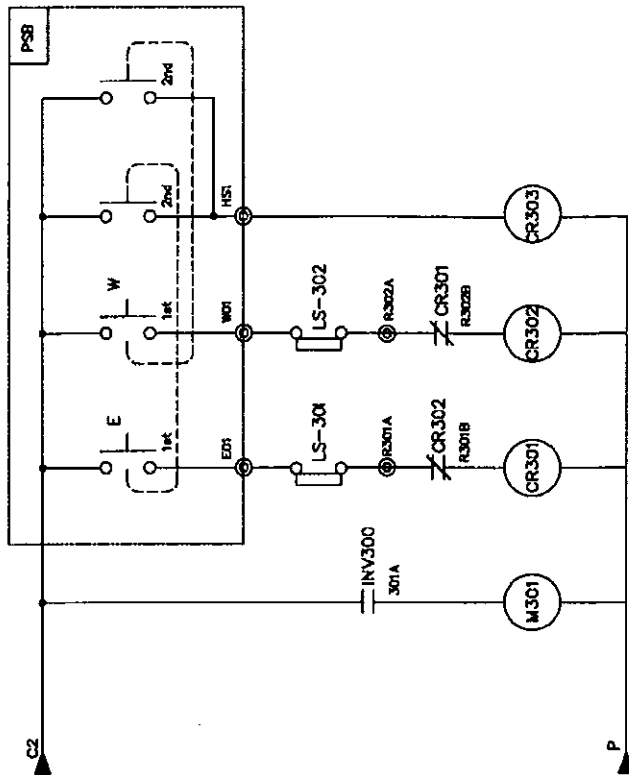


SPECIFICATION		SYMBOLS		DESCRIPTION		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30, IM31		480V 1.5/0.75KW/60/12P AC3PH 480V 60Hz		DB30, DB31		M301, M302, M303		RF 300		EOCR 301,302		TR300	
TRAVERSING MOTOR		IM 30, IM31		480V 1.5/0.75KW/60/12P AC3PH 480V 60Hz		DC 100V		DOC-22P		SR-30		SS-30		AC480/220V, 300VA	
TRAVERSING MOTOR		IM 30, IM31		480V 1.5/0.75KW/60/12P AC3PH 480V 60Hz		DC 100V		DOC-22P		SR-30		SS-30		AC480/220V, 300VA	
SELECTION MAKER		KUKDONG						DAERYUK		ASECO		SHINWHAN			
CUSTOMER															
DRAWING TITLE															
REVISIONS															
DATE															
CHK. APP.															
DWG. NO.															
KDC20E66															



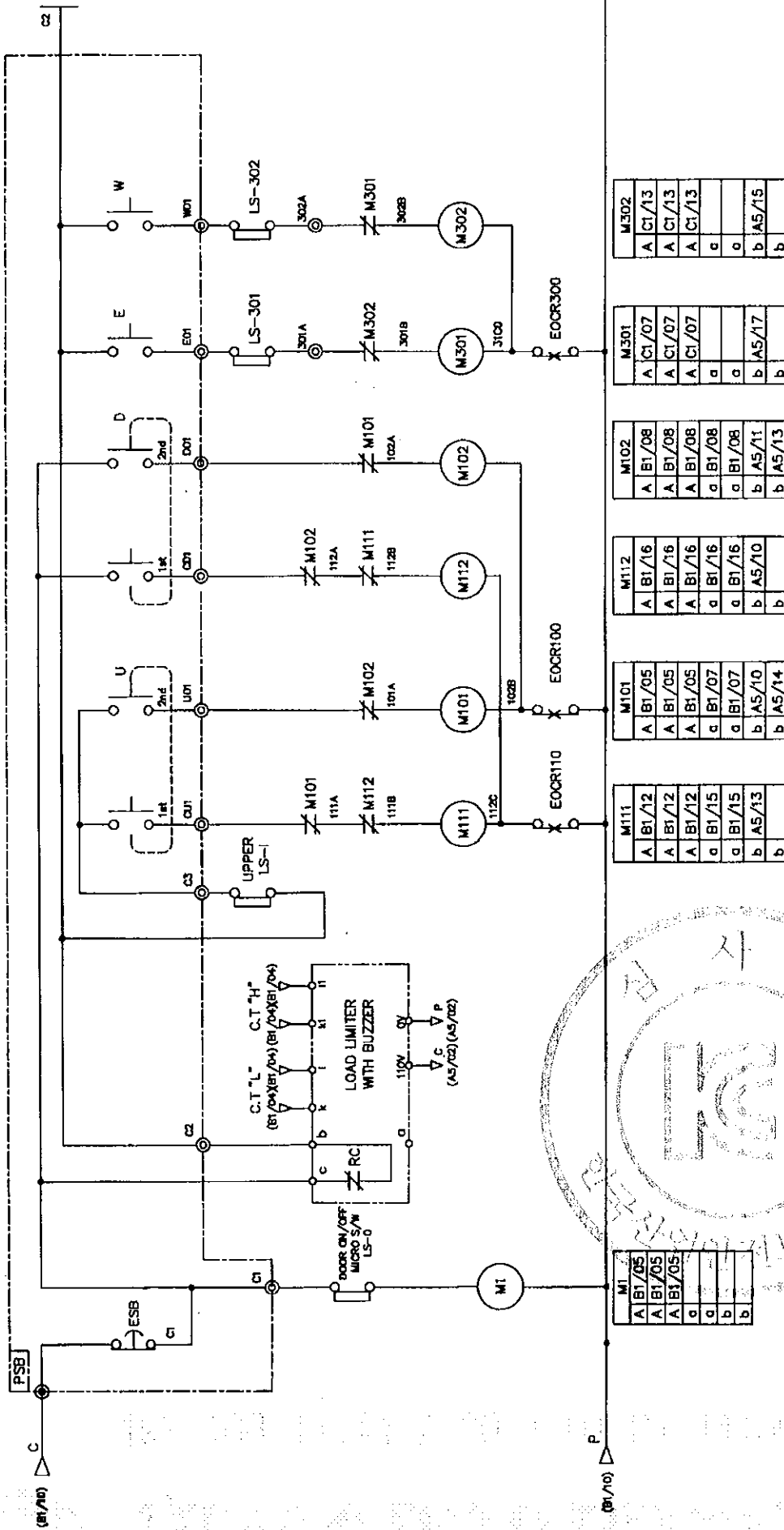
2	속 환	SS400	1										
1	T/S BOX	PUR	1										
NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)							REMARKS.
PROJECT							DATE		DIM				
									mm				
TITLE		T/S CONTROL PANEL (INVERTER)					SCALE		PROJECTION				
							A3/3		3rd				
DRAWN	DESIGNED	CHECKED	APPROVED				REF. DRAWING						
 KUK DONG HOIST CO., LTD.		SHEET No.		DWG No.		KDC20E1001							

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	MOCB	PUR	1		

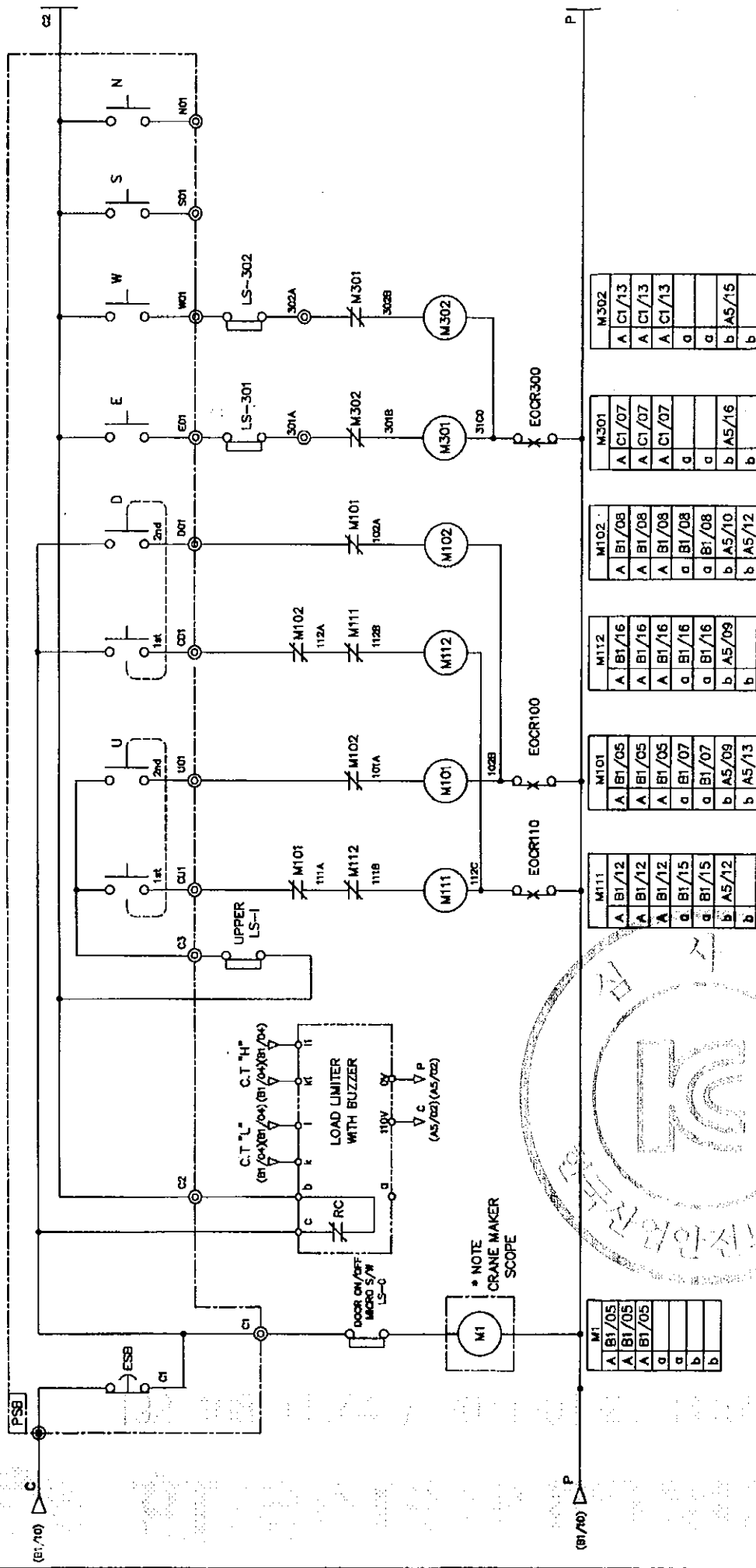


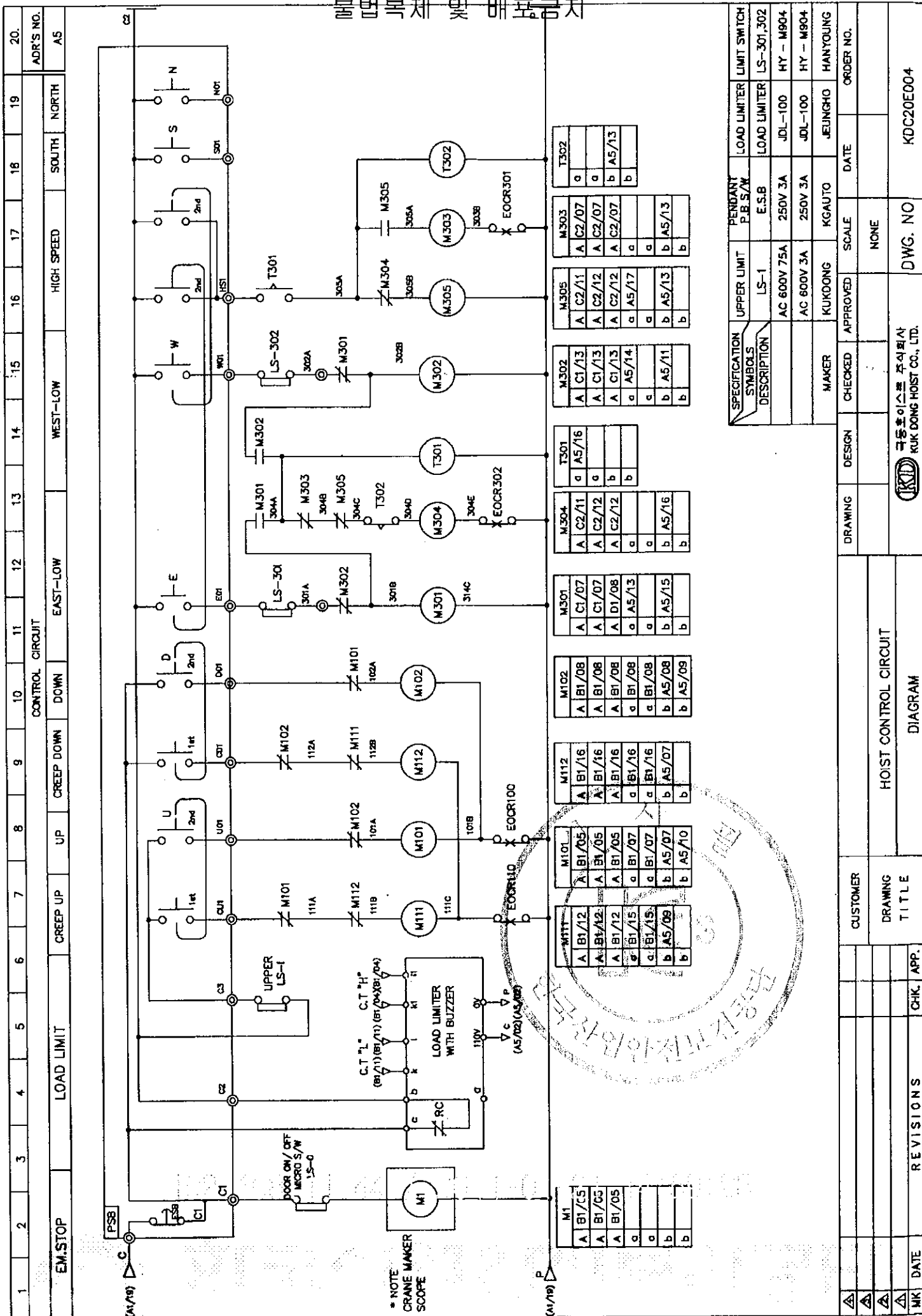
SPECIFICATION SYMBOLS	TRAVERSING POWER		TRAVERSING MOTOR		DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER
	DESCRIPTION		IM 30, 31	DB30, 31	MCB300		TR 300	M301	CR301, 302, 303	INV300	RF300
	AC 3PH 220V-60Hz	1.0KW x 6P	DC 100V	DBE-33AF/1SAT			220/220V, 300VA	DM-22C	MINI 4a4b(Coil AC110V)	SV037G5A-2	SR-30
	AC 3PH 380(440, 460, 480)V-60Hz	1.0KW x 6P	DC 100V	DBE-33AF/1SAT			380(440, 460, 480)/220V, 300VA	DM-22C	MINI 4a4b(Coil AC110V)	SV037G5A-4	SR-30
SELECTION MAKER	KUK DONG HOIST										
CUSTOMER			INVERTER CONTROL								
DRAWING TITLE			TRAVERSING POWER & CONTROL CIRCUIT								
REVISIONS			DIAGRAM								
CHK.	APP.	 국동하이스트 주식회사 KUK DONG HOIST CO., LTD.									
DATE		DWG. NO. KDC20E1003									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EM, STOP										CONTROL CIRCUIT									
LOAD LIMIT										UPPER LIMIT									
WEST										EAST									
DOWN										UP									
CREEP DOWN										CREEP UP									
ADP'S NO.										A5									



SPECIFICATION		UPPER LIMIT		PENDANT		LOAD LIMITER		LIMIT SWITCH	
SYMBOLS		LS-1		E.S.B		LS-301,302		LS-301,302	
DESCRIPTION		AC 600V 75A		250V 3A		JDL-70		HY - W304	
		AC 600V 3A		250V 3A		JDL-70		HY - W304	
MAKER		KUKDONG		KCAUTO		JEUNGHO		HANYOUNG	
DRAWING		DESIGN		CHECKED		APPROVED		DATE	
CUSTOMER		MAIN POWER 2 & CONTROL CIRCUIT		DRAWING		TITLE		REV. NO.	
DATE		REVISIONS		CHK.		APP.		DWG. NO	
KUKDONG HOIST CO., LTD.		KDC20E001		NONE		KDC20E001		KDC20E001	

[illegible]



SPECIFICATION SYMBOLS		UPPER LIMIT	PENKANY P.B S/W	LOAD LIMITER	LIMIT SWITCH
DESCRIPTION		LS-1	E.S.B	LOAD LIMITER	LS-301,302
		AC 600V 75A	250V 3A	JDL-100	HY - M904
		AC 600V 3A	250V 3A	JDL-100	HY - M904
MAKER		KUKOONG	KGAUTO	JEUNGCHO	HANYOUNG
CHECKED	APPROVED	SCALE	DATE	ORDER NO.	
		NONE			
호이스트 주식회사 KONG HOIST CO., LTD.				DWG. NO	KDC20E004

DRAWING	DESIGN	 株式会社 KDK

[illegible]

CUSTOMER
DRAWING
TITLE

[illegible]

				8

DISPOSITIONS

[illegible]

DATE					
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28	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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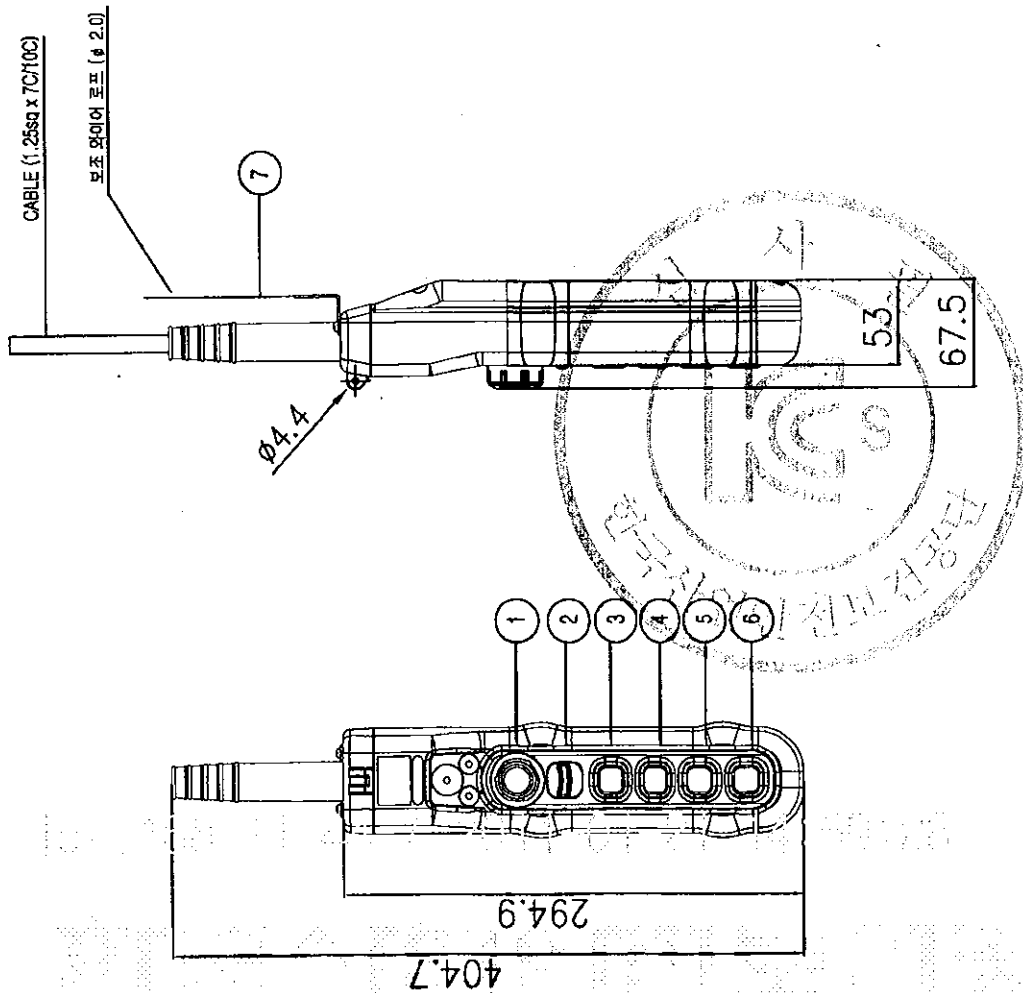
색상	구분	조작버튼	표시등
적색		비상	비상
황색		비정상	비정상
녹색		정상	정상
청색		의무	의무
흰색, 회색 - 흑색		지정된의미없음	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)

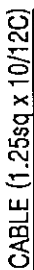
* BODY COLOR : YELLOW, BLACK

* IP : 55 이상

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



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



보조와이어 로프 (ø 2.0)

* MATERIAL : POLYCARBOBATE(PLASTIC)

* BODY COLOR : YELLOW, BLACK

* P : 55 0128

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

	A				CUSTOMER	DRAWING TITLE	PENDANT PUSH BUTTON SWITCH LAY OUT	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
	A												
	A												
MK	DATE	REVISIONS	CHK.	APP.				KD KUK DONG HOIST CO., LTD.					

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

코포모테크(주)

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

NOTE

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

LOAD LIMITER 권고 SETTING치

코포모테크(주)

* POWER SOURCE : AC 3 Ø 380V 60Hz

HOIS:	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	35.0 A	37.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	48.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	44.3 A	48.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.9 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	77.3 A	82.8 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

코포모테크(주)

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	29.5 A	32.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	38.3 A	42.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	63.3 A	68.6 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3 Ø 460V 60Hz

코포모테크(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C15 TON	13KW x 8P	110%	1 SEC	1 SEC	28.4 A	31.3 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C20 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.4 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C30 TON	17KW x 8P	110%	1 SEC	1 SEC	36.7 A	40.4 A	CT-2	K-K1, L-L1	5 V.A	
	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	7.0 A	CT-2	K-K1, L-L1	5 V.A	
C35 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C40 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C50 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C60 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C70 TON	33KW x 6P	110%	1 SEC	1 SEC	60.5 A	65.5 A	CT-2	K-K1, L-L1	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60Hz

코포모테크(주)

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

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

코포모테크(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C15 TON	13KW x 8P	59.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	59.0 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C20 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C30 TON	17KW x 8P	76.6 A	1 DRAVE	SS-100	3 SEC	1 SEC	76.6 A	
	1.8KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
C35 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C40 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C50 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C60 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
C70 TON	33KW x 6P	126.6 A	1 DRAVE	SS-130	3 SEC	1 SEC	126.6 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	

NOTE

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

E.O.C.R 권고 SETTING치

★ POWER SOURCE : AC 3Φ 380V 60HZ

코포모테크(주)

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

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

코포모테크(주)

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

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

코포모테크(주)

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

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60Hz

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

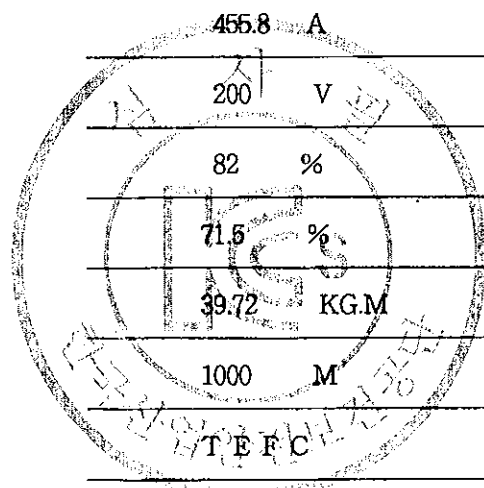
NOTE

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

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

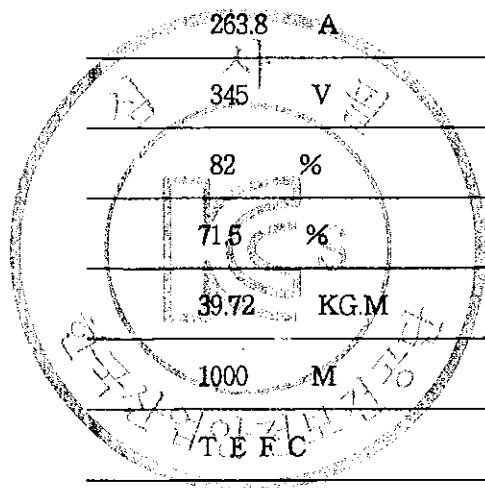
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
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 KGM
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 TEMFURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

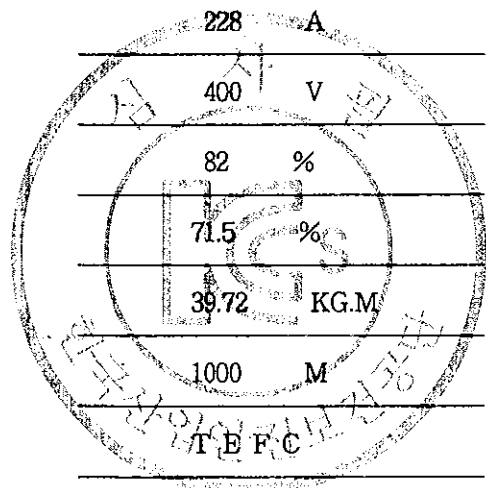
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	200 L
4. RATED POWER	17 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
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 ℃
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 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 TEMPEURE	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 ℃
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 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 TEMPFURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

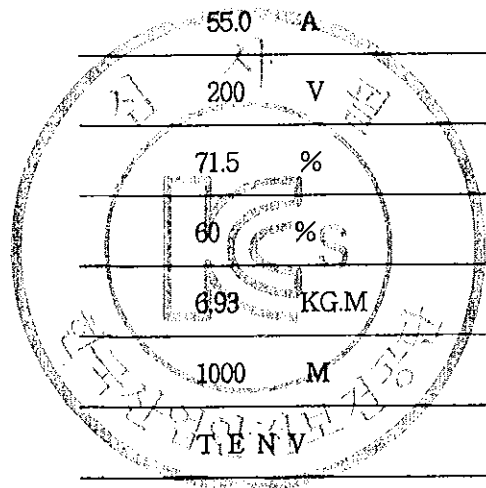
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	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 °C
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 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 TEMPERATURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	850 RPM
11. FULL LOAD CURRENT	11.0 A
12. LOCKED ROTOR CURRENT	55.0 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	6.93 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6206 zz , OPL : 6206 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

CREEP HOISTING

2. MANUFACTURE

극동호이스트(주)

3. FRAME NUMBER

112 M

4. RATED POWER

1.8 KW x 8 P

5. RATED VOLTAGE AND FREQUENCY

380 V 60 Hz

6. MOTOR TYPE

SQUIRREL CAGE ROTOR TYPE

7. SERVICE FACTOR AND RATting

1.0 , 30 MIN

8. LOCATION AND INSULATION CLASS

INDOOR, OUTDOOR, B CLASS

9. DESIGN TRMPERATURE RISE(BY RESISTANCE)

80 °C

10. FULL LOAD SPEED

855 RPM

11. FULL LOAD CURRENT

6.4 A

12. LOCKED ROTOR CURRENT

31.9 A

13. MINIMUM STARTING VOLTAGE

345 V

14. EFFICIENCY AT 100% RATED LOAD

71.5 %

15. POWER FACTOR AT 100% RATED LOAD

60 %

16. FULL LOAD TORQUE

6.93 KG.M

17. SITE ALTITUDE(UNDER)

1000 M

18. ENCLOSURE & COOLING METHOD

PL : 6206 zz , OPL : 6206zz

19. TYPE OF BEARING

HORIZONTAL

20. MOUNTING

21. MAXIMUM AMBIENT TEMPERATURE

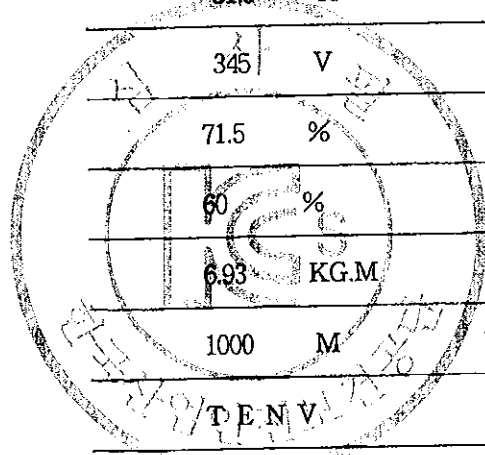
40 °C

22. BEARING LUBRICATION

GREASE

23. STARTING METHOD

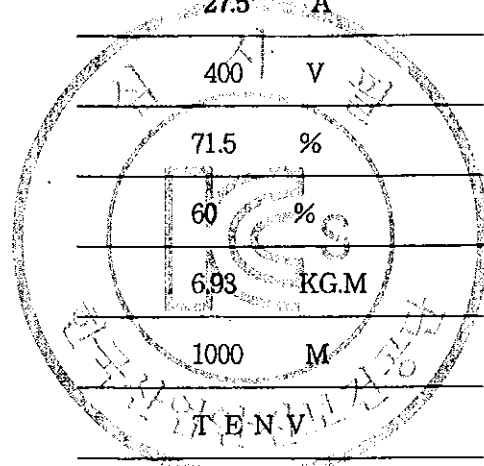
FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

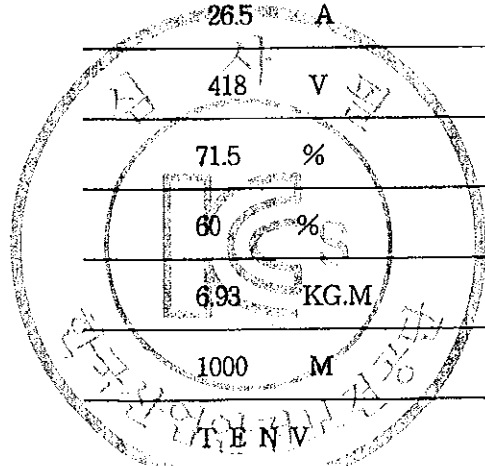
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	5.5 A
12. LOCKED ROTOR CURRENT	27.5 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	6.93 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206 zz , OPL : 6206 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMEENT TEMPTURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

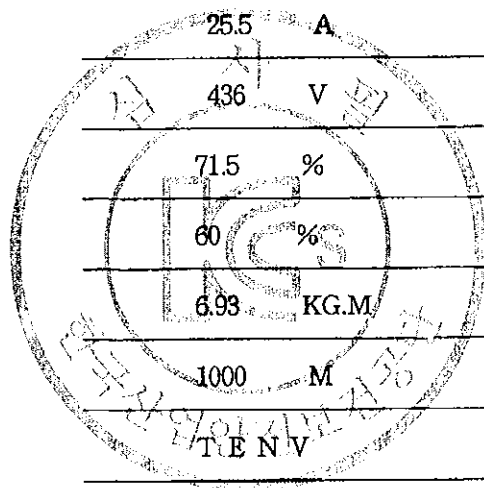
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	5.3 A
12. LOCKED ROTOR CURRENT	26.5 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	6.93 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6206 zz , OPL : 6206 zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMEIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

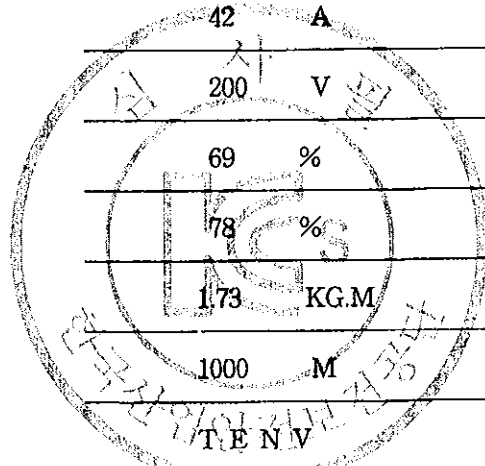
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 M
4. RATED POWER	1.8 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	855 RPM
11. FULL LOAD CURRENT	5.1 A
12. LOCKED ROTOR CURRENT	25.5 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	71.5 %
15. POWER FACTOR AT 100% RATED LOAD	60 %
16. FULL LOAD TORQUE	6.93 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6206 zz , OPL : 6206 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

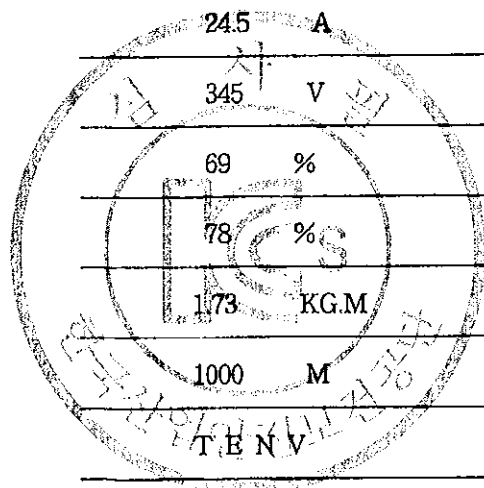
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
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 ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

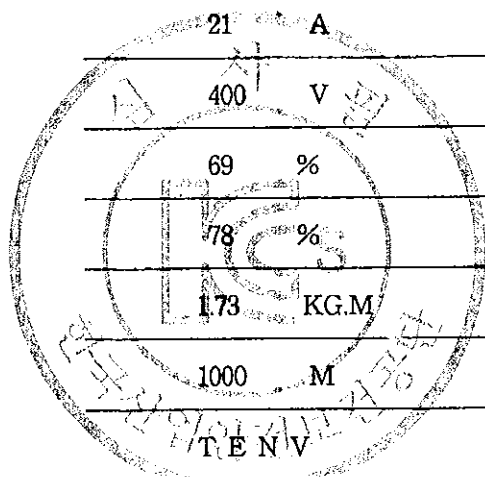
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE 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	345 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	TEN V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMEDENT TEMFURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

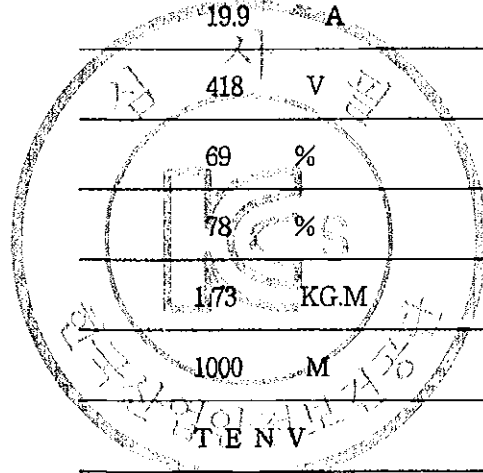
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.7 A
12. LOCKED ROTOR CURRENT	21 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 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN 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

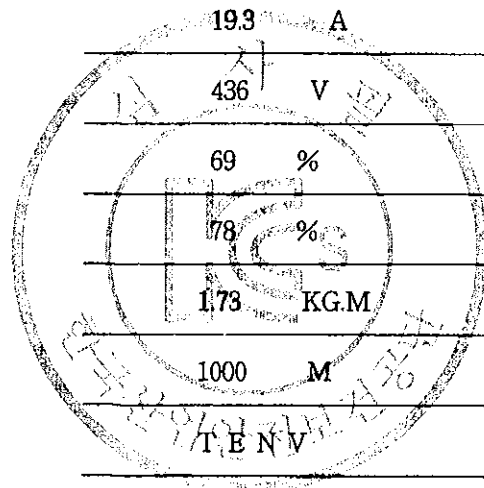
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.5 A
12. LOCKED ROTOR CURRENT	19.9 A
13. MINIMUM STARTING VOLTAGE	418 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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	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 DATE SHEET

SCHEDULE OF TECHNICAL DATA

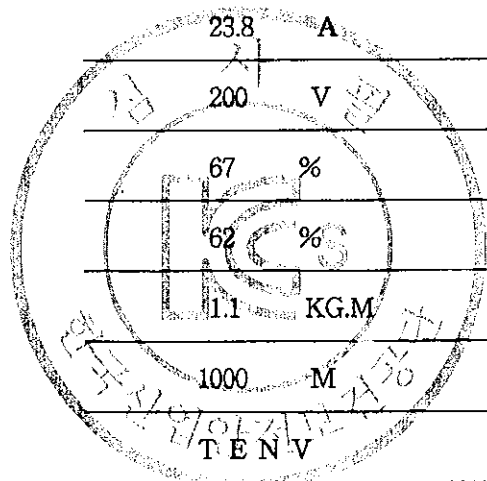
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	3.4 A
12. LOCKED ROTOR CURRENT	19.3 A
13. MINIMUM STARTING VOLTAGE	436 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 AMEIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

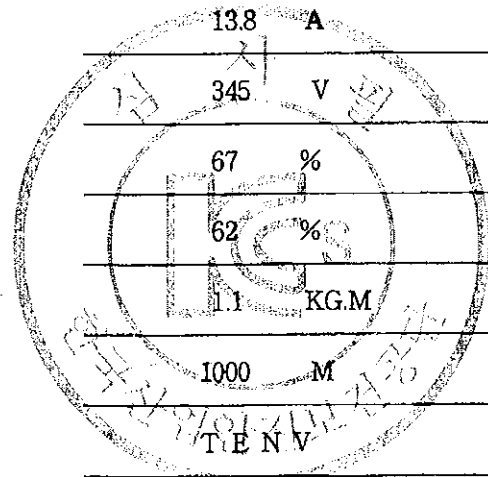
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	6.7 A
12. LOCKED ROTOR CURRENT	23.8 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 ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN 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

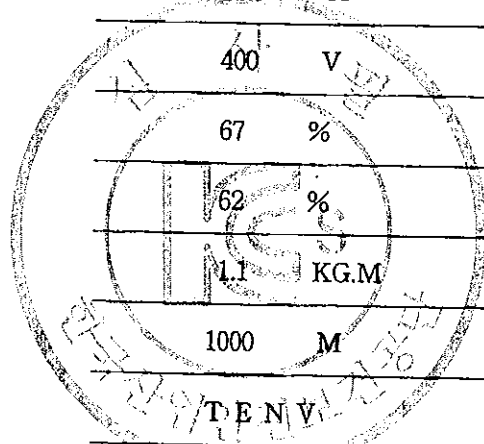
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE 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	345 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	TEN V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPFURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

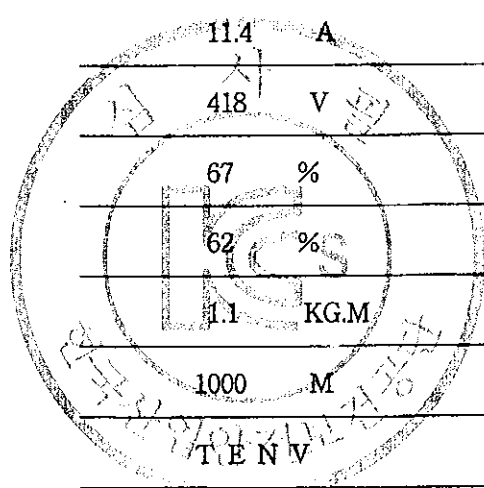
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1128 RPM
11. FULL LOAD CURRENT	3.3 A
12. LOCKED ROTOR CURRENT	11.9 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 K.G.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	
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	11.4 A
13. MINIMUM STARTING VOLTAGE	418 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	TEN V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMEDENT 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	10.9 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	67 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	11.1 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

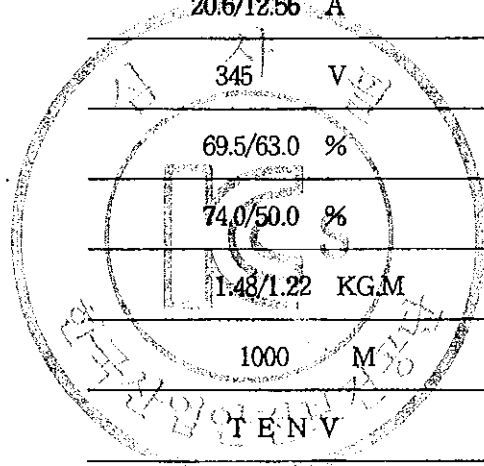
SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.5/0.75 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	7.2/6.2 A
12. LOCKED ROTOR CURRENT	35.6/21.7 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63.0 %
15. POWER FACTOR AT 100% RATED LOAD	74.0/50.0 %
16. FULL LOAD 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 TEMPTRE	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	1.5/0.75 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 °C
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	4.17/3.59 A
12. LOCKED ROTOR CURRENT	20.6/12.56 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63.0 %
15. POWER FACTOR AT 100% RATED LOAD	74.0/50.0 %
16. FULL LOAD 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 °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	1.5/0.75 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 ℃
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	3.6/3.1 A
12. LOCKED ROTOR CURRENT	17.8/10.85 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63.0 %
15. POWER FACTOR AT 100% RATED LOAD	74.0/60.0 %
16. FULL LOAD TORQUE	1.48/1.22 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN-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	1.5/0.75 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 ℃
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	3.59/3.1 A
12. LOCKED ROTOR CURRENT	17.7/10.84 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63.0 %
15. POWER FACTOR AT 100% RATED LOAD	74.0/50.0 %
16. FULL LOAD TORQUE	1.48/1.22 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPFURE	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	1.5/0.75 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 ℃
10. FULL LOAD SPEED	1670/815 RPM
11. FULL LOAD CURRENT	3.5/3.0 A
12. LOCKED ROTOR CURRENT	17.5/10.76 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/63.0 %
15. POWER FACTOR AT 100% RATED LOAD	74.0/50.0 %
16. FULL LOAD TORQUE	1.48/1.22 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMEDENT CFMFURE	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	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 KGM
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	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 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

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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	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	35/3.7 A
12. STARTING CURRENT AT RATED VOLTAGE	142/12.3 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 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

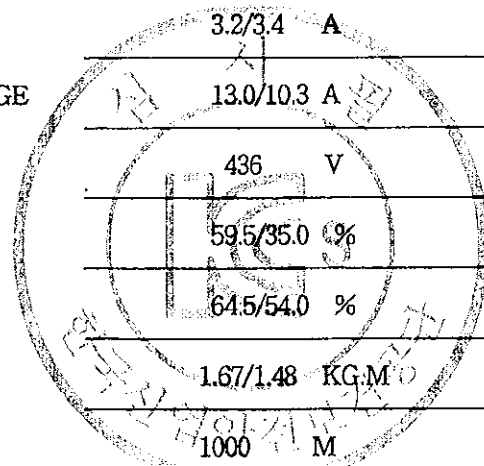
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	1.0/0.5 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE 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	13.5/10.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	69.5/85.0 %
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	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
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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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 ℃
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 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 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E





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

1000M 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