



제 2013 - 57242 호

안 전 인 증 서

(사업장명)

극동호이스트(주)

(소 재 지) (425-833) 경기도 안산시 성곡동 630-2 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 _____
KDC2-DL (2.0Ton) / 13-AQ2AC-02475

_____ 인 증 기 준 _____
고용노동부 고시 제2012 - 33호 (위험기계, 기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2013년 05월 22일



한국산업안전보건공단이사장



심사결과통지서

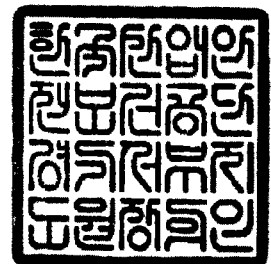
신청인	사업장명	극동호이스트(주)	사업장관리번호 (사업자등록번호)	134-81-013350 134-81-01335
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		
	대표자성명	최성찬		
안전인증대상 기계·기구명		호이스트		
형식(규격)		KDC2-DL	용량(등급)	2.0 Ton
인증심사원		강성두		

서명

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

2011 년 07 월 07 일

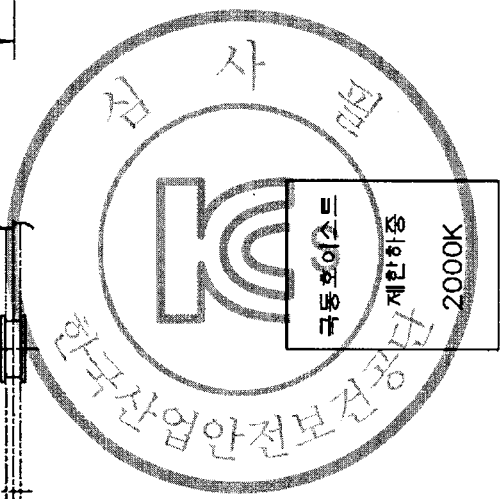
한국산업안전보건공단 경기서부지도원장

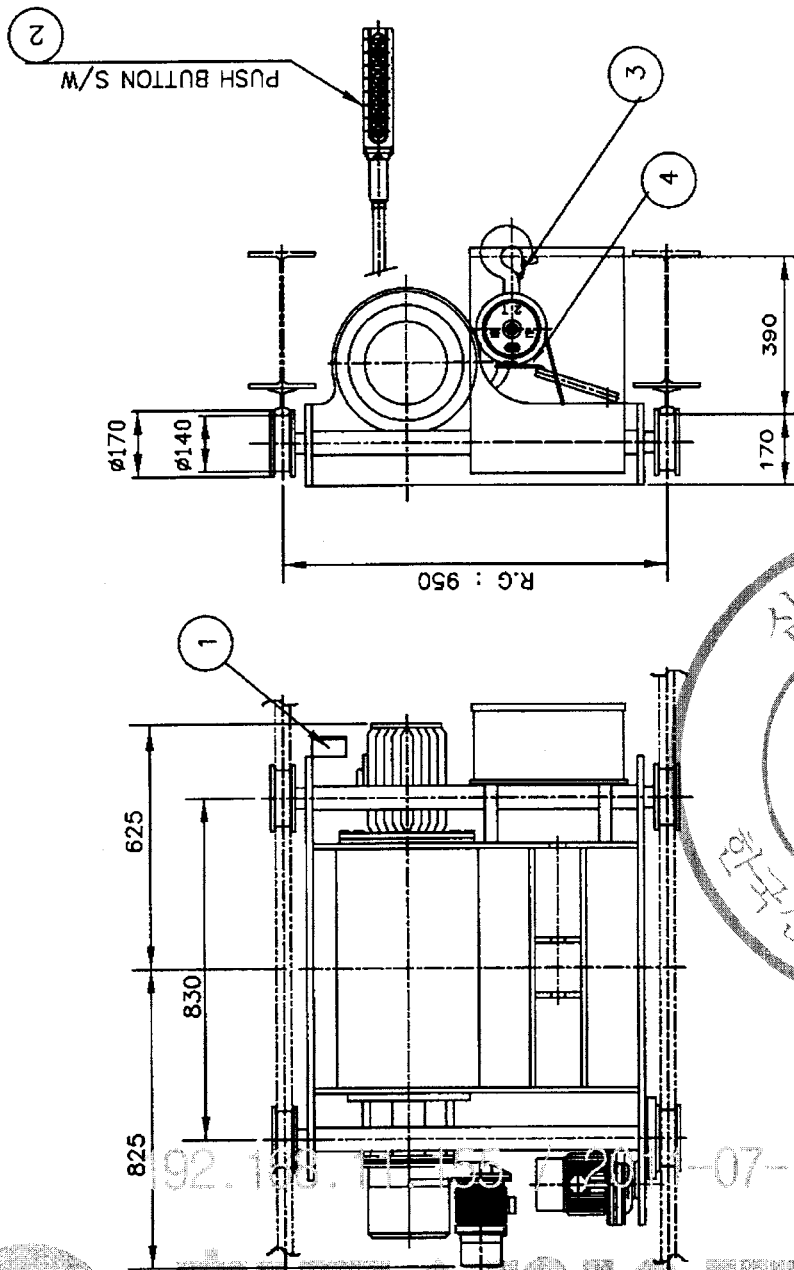


동일 형식 일람 표

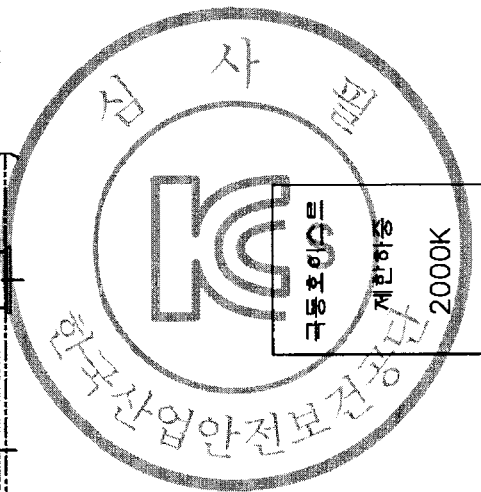
사업장명	구동호이스트(株)	개정일자 및 번호	인증번호	비고
형식	모 델	동일 형식 인정범위 및 내역		
		권상속도(m/min)	회행속도(m/min)	양정(m)
KDC2-DL	KDC2-L6-DL	고속:10M/MIN	고속:24M/MIN 저속:16M/MIN	6
	KDC2-L9-DL			9
	KDC2-L12-DL			12
		CREEP:1.0M/MIN	듀얼고속:24/12M/MIN 듀얼저속:16/8M/MIN	

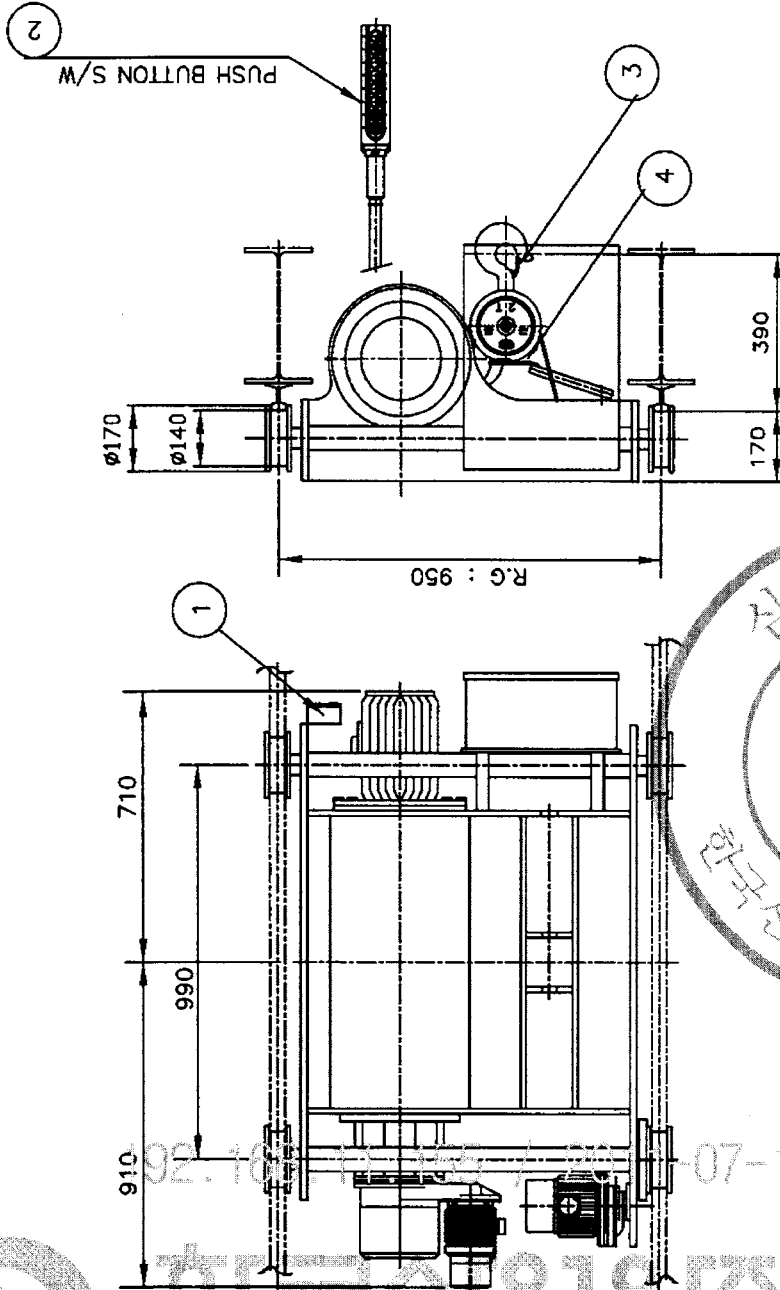


[illegible]



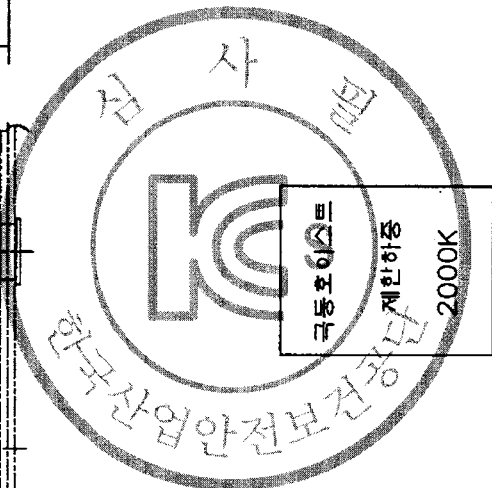
SPECIFICATION			
HOISTING LOAD		2000	KG
TESTING LOAD		2500	KG
LIFT		9	M
RATING		30	MIN
HOISTING	HIGH	SPEED	10 / 1.0 M/MIN
		MOTOR	3.7 / 0.4 KW x 4 P
		SPEED	24 M/MIN
		MOTOR	0.75 KW x 4 P
TRAVERSING	LOW	SPEED	16 M/MIN
		MOTOR	0.5 KW x 6 P
		SPEED	24/12 M/MIN
		MOTOR	0.8/0.4 KW x 4/8 P
WIRE ROPE	DUAL LOW	SPEED	16/8 M/MIN
		MOTOR	0.5/0.25 KW x 6/12 P
		(6x19) Ø 8 x 4 FALLS	
		AC3Ø 220(380,440,460,480)V 60Hz	
POWER SOURCE			
COLOR		10 B 3/5	
WEIGHT		490	KG

[illegible]



SPECIFICATION	
HOISTING LOAD	2000 KG
TESTING LOAD	2500 KG
LIFT	12 M
RATING	30 MIN
HOISTING	SPEED 10 / 1.0 M/MIN
	MOTOR 3.7 / 0.4 KW x 4 P
	SPEED 24 M/MIN
TRAVERSING	MOTOR 0.75 KW x 4 P
	SPEED 16 M/MIN
	MOTOR 0.5 KW x 6 P
WIRE ROPE	SPEED 24/12 M/MIN
	MOTOR 0.8/0.4 KW x 4/8 P
	SPEED 16/8 M/MIN
POWER SOURCE	MOTOR 0.5/0.25 KW x 6/12 P
	(6x19) Ø8 x 4 FALLS
	AC3Ø 220(380,440,480)V 60Hz
COLOR	10 B 3/5
WEIGHT	520 KG

NO.	DESCRIPTION	MTL	SUB	TOTAL	QTY	WEIGHT(KG)	REMARKS.	
							DATE	DM
4	UPPER LIMIT S/W	SS400	1					mm
3	SAFETY LATCH	SS400	1					PROJECTION
2	EMERGENCY S/W	—	1					3rd
1	LOAD LIMITER	—	1					REF. DRAWING
PROJECT								
TITLE								
KDC 2 DL (12M)								
ARRANGEMENT DRAWING FOR HOIST								
DRAWN								
DESIGNED								
CHECKED								
APPROVED								
SHEET No.								
KDC2DL - 1200								



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DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	SYMBOLS		DESCRIPTION	SYMBOLS		DESCRIPTION	SYMBOLS	
				MAKE	BREAK		MAKE	BREAK			
3 PHASE SQUIRREL CAGE ROTOR INDUCTION MOTOR		NO FUSE BREAKER 2 PHASE			MAGNETIC & RELAY CONTACTOR			PUSHBUTTON SWITCH 1BUTTON 2STEP TYPE			
3 PHASE WOUND ROTOR INDUCTION MOTOR		NO FUSE BREAKER 3 PHASE			ON DELAY TIME CONTACTOR			TOGGLE SWITCH OR SELECTOR SWITCH			
DC MAG. BRAKE DISK TYPE		EARTH LEAKAGE BREAKER 2 PHASE			OFF DELAY TIME CONTACTOR						
THRUSTOR BRAKE		EARTH LEAKAGE BREAKER 3 PHASE			EOCR OR THERMAL RELAY CONTACTOR						
AC-DC MAG. BRAKE		TRANSFORMER			THERMOSTAT						
SC BRAKE		CURRENT TRANSFORMER			LIMIT SWITCH						
EC BRAKE		POTENTIAL TRANSFORMER			PUSHBUTTON SWITCH						
RECTIFIER		FUSE			EMERGENCY PUSHBUTTON SWITCH						
LOAD LIMITER ELECTRICAL TYPE		FUSE WITH CONTACTOR			KEY SWITCH						
ELECTRONIC OVER CURRENT RELAY		THYRISTOR UNIT			FOOT SWITCH						

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
																			ADR'S NO.
ELECTRICAL SYMBOL LIST																			
DESCRIPTION		SYMBOLS		DESCRIPTION		SYMBOLS		DESCRIPTION		SYMBOLS		DESCRIPTION		SYMBOLS		DESCRIPTION		SYMBOLS	
WIRE INTERNAL TO ENCLOSURE		—		CONTROLLER OR REMOTE CONTROLLER CONTACTOR				SOLENOID COIL				FLOOD LIGHTING							
WIRE EXTERNAL TO ENCLOSURE		---		UPPER LIMIT SWITCH (LS-II)				RESISTOR				RECEPTACLE							
WIRE NOT CONNECTED		+		THERMAL RELAY				VARIABLE RESISTOR											
WIRE CONNECTED				PILOT(SIGNAL) LAMP				SLIP RING											
TERMINAL				ROTARY LAMP				CABLE REEL											
GROUND (EARTH)				WARNING SIREN				SPACE HEATER											
PLUG & RECEPTACLE				BUZZER				SURGE ABSORBER											
MAGNETIC CONTACTOR COIL				ANMETER				LOAD CELL											
AUX. RELAY COIL				VOLT METER				BALLAST WITH RECEPTACLE											
TIMER COIL				FLUORESCENCE LAMP				FAN											

DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.	
								NONE					
KID		국동호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO				KDSM0002	

CUSTOMER		DRAWING TITLE	
		SYMBOL LIST 2/2	
REVISIONS		CHK. APP.	
DATE			

KDSM0002

ELECTRICAL SPECIFICATION

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

CONTROL SOURCE : AC 1 Φ 110V(120V) 60Hz

OBJECT	MOTOR OUTPUT	220V		380V		440V	460V	480V	440, 460, 480V	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE	
MAIN HOIST	3.7KW x 4P 30 MIN	16.00 A	4.0 sq	9.30 A	4.0 sq	8.0 A	7.7 A	7.3 A	4.0 sq	DC MAG. BRAKE
CREEP HOIST	0.4KW x 4P 30 MIN	2.70 A	4.0 sq	1.60 A	4.0 sq	1.4 A	1.3 A	1.2 A	4.0 sq	DC MAG. BRAKE
TRAVERSING	HIGH	4.10 A	4.0 sq	2.40 A	4.0 sq	2.00 A	2.00 A	1.90 A	4.0 sq	DC MAG. BRAKE
	LOW	3.40 A	4.0 sq	2.00 A	4.0 sq	1.70 A	1.70 A	1.60 A	4.0 sq	DC MAG. BRAKE
CONTROL CIRCUIT		2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq	
LIGHTING & ACC'Y CIRCUIT										
SUB TOTAL (PEAK LOAD)	HIGH	22.10 A	6.0 sq	13.70 A	4.0 sq	12.00 A	11.70 A	11.20 A	4.0 sq	I(A)=M/H + T/S + ASS'Y
	LOW	21.40 A	6.0 sq	13.30 A	4.0 sq	11.70 A	11.40 A	10.90 A	4.0 sq	I(A)=M/H + T/S + ASS'Y

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

위 계산은 LIFT 6M, 9M, 12M에 적용

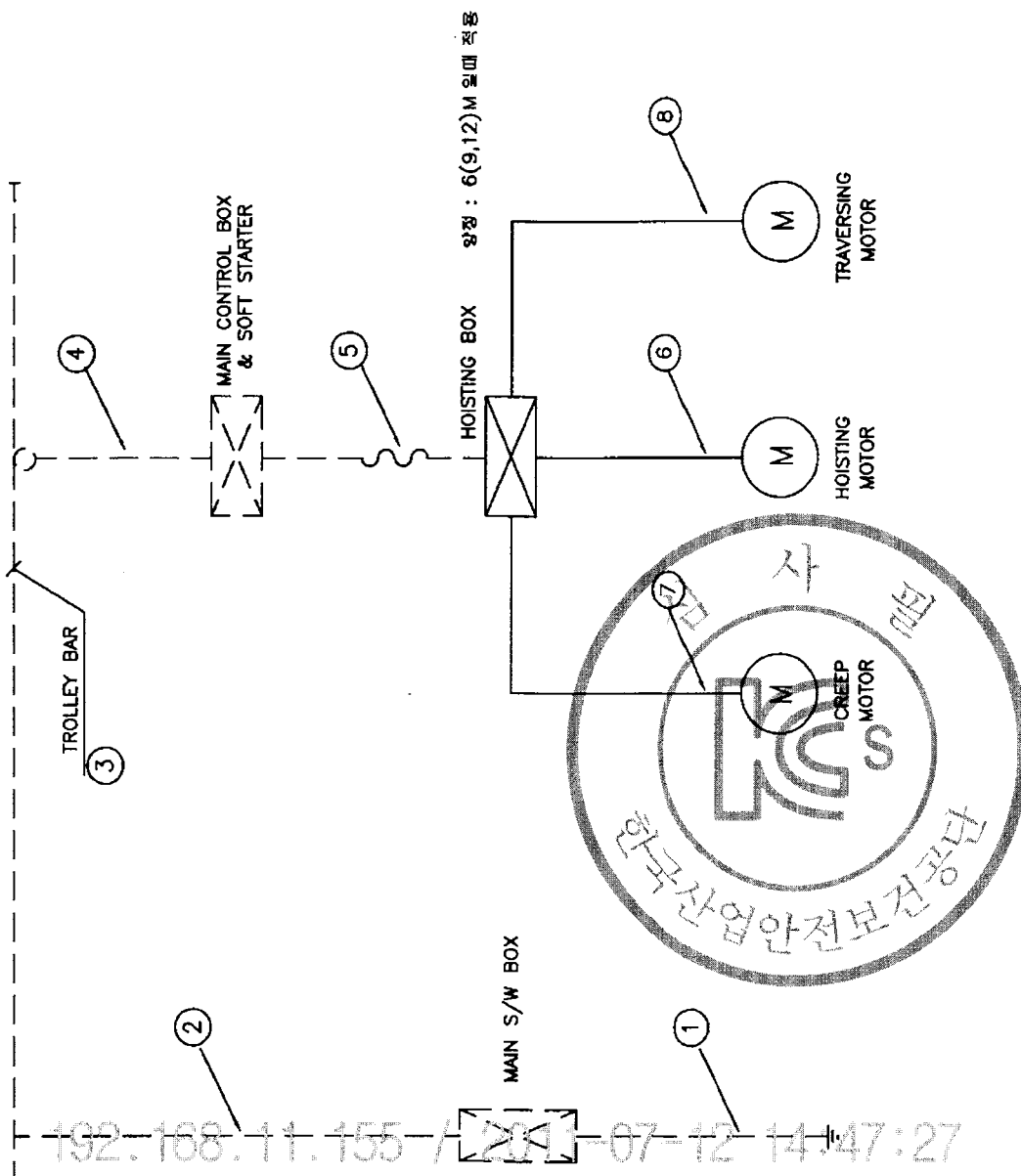
NO	DESCRIPTION	CABLE SIZE
1	MAIN EARTH LINE	USER SCOPE
2	POWER SOURCE	USER SCOPE
3	TROLLEY BAR	USER SCOPE
4	POWER SOURCE WITH EARTH	USER SCOPE
5	HOST POWER SOURCE WITH EARTH	VCT 6.0SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 4.0SQ x 1C
7	CREEP MOTOR WITH EARTH	VCT 4.0SQ x 1C
8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C

* CV CABLE 4C중 1C는 EARTH로 사용함.

NOTE -

- 전동기 외함, 제어반의 프레임 등은 접지하여 그 접지 저항은
400V 미만 : 100옴 이하일것.(3중 접지)
400V 이상 : 10옴 이하일것.(특 3중접지)
- MAIN S/W BOX는 3중 접지 요.

-----	USER SCOPE
-----	KUKDONG SCOPE



DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE	2003.07.01	
KUKDONG HOIST CO., LTD.						KDC2-EC001
KUKDONG HOIST CO., LTD.						
EARTH DETAILS DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE						
CHK. APP.						

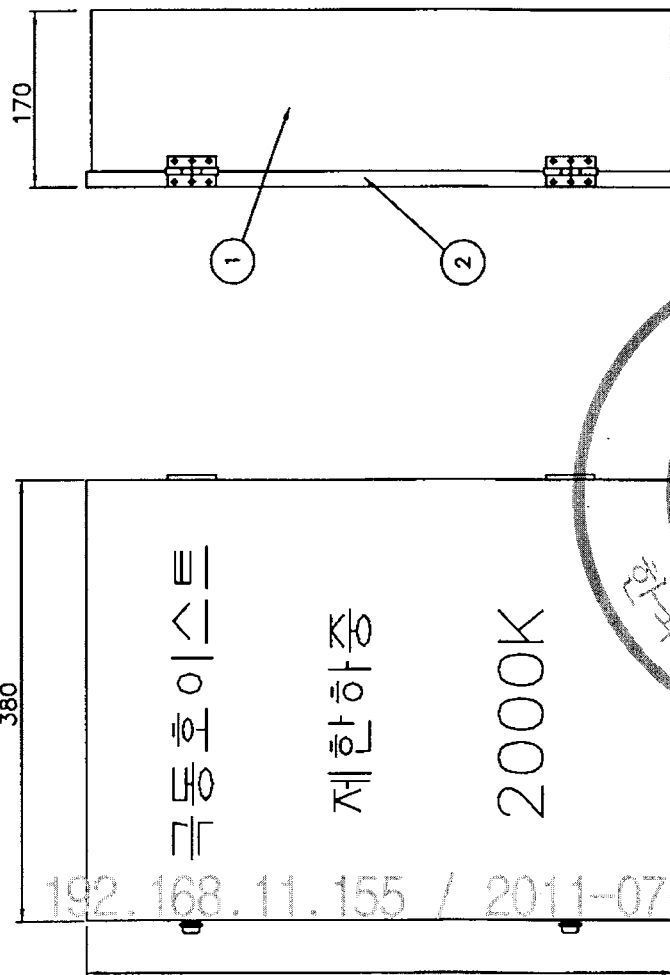
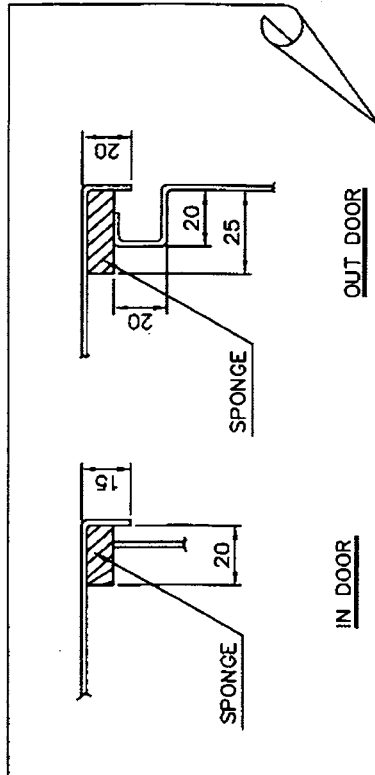
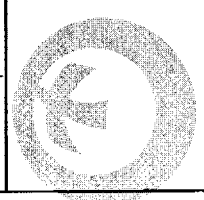
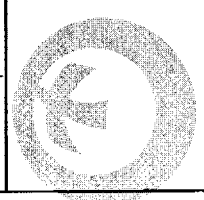
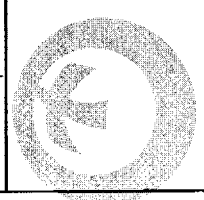
The drawing consists of two views of a mechanical device. View (a) is a top view showing a circular component with a central hub and a surrounding ring, mounted on a base. View (b) is a side view showing the device's profile, including a large rectangular component, a smaller component, and a base. The views are labeled 'a)' and 'b)' respectively.

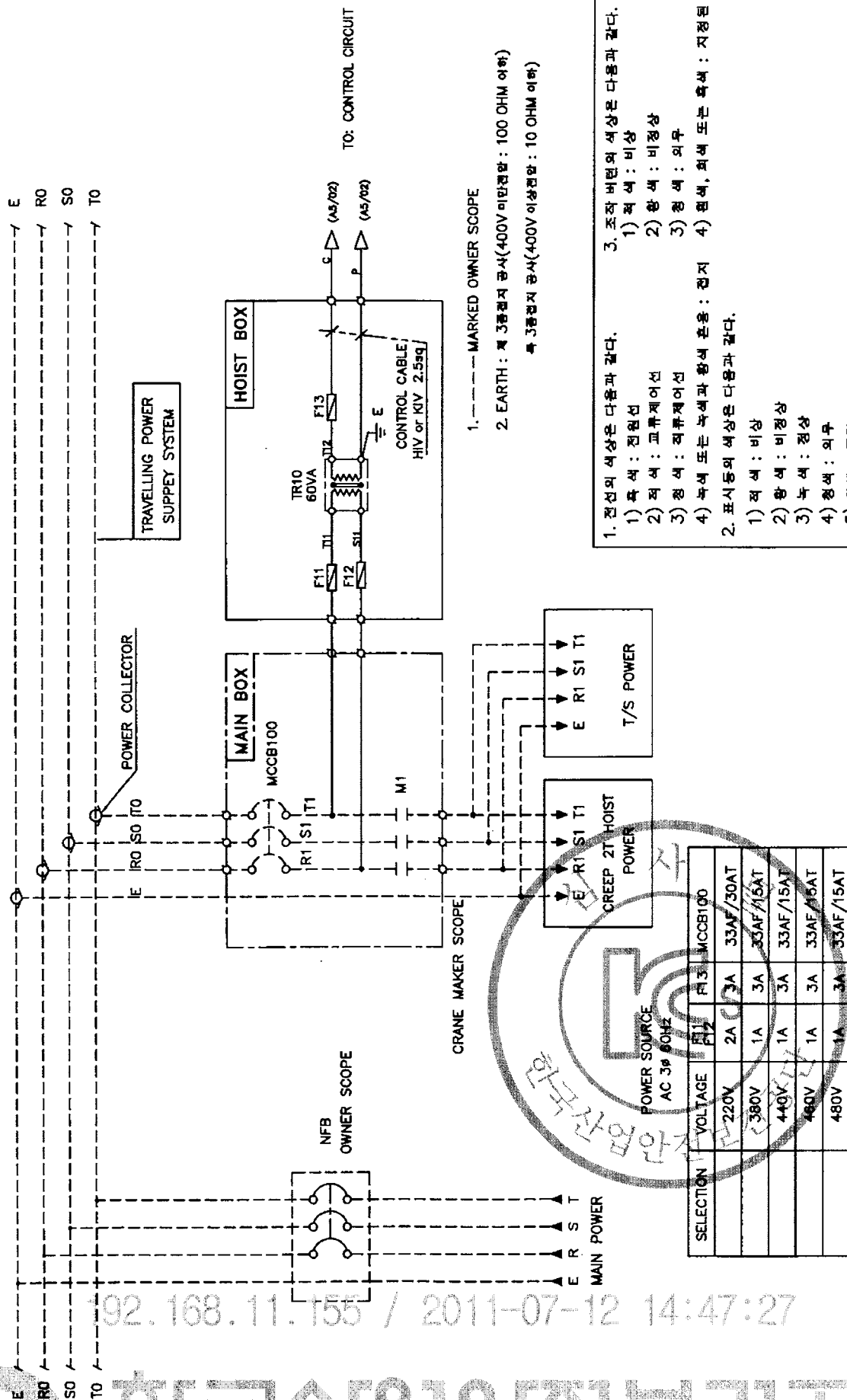
본 도면은 EARTH를 명기하기 위한 도면으로서
실제 배치와 다를 수 있으며 HOIST 본체와외
EARTH용 CABLE은 REFERENCE임

*3층 전지공사 100Ω 이하 (AC 3PH 400V 미만)
*4층 전지공사 10Ω 이하 (AC 3PH 400V 이상)

NO	CABLE				REMARK
	TYPE	220V	380V	SIZE	
1	VCT	4.0sqx4c	4.0sqx5c	440V,460V,480V	HOISTING MOTOR WITH EARTH
2	VCT	4.0sqx7c	4.0sqx7c		CREEP MOTOR WITH EARTH
3	VCT	4.0sqx4c+2.5sqx3c			T/S MOTOR WITH EARTH
4	VFCT	6.0sqx4c	4.0sqx4c		MAIN POWER WITH EARTH

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<table border="1" style="width: 100%;"> <thead> <tr> <th>NO</th> <th>DESCRIPTION</th> <th>MT'L</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PANEL CASE</td> <td>SPC</td> <td>1.6t</td> </tr> <tr> <td>2</td> <td>PANEL COVER</td> <td>SPC</td> <td>1.6t</td> </tr> <tr> <td>3</td> <td>HINGE</td> <td>PUR'</td> <td></td> </tr> <tr> <td>4</td> <td>CLAMP</td> <td>PUR'</td> <td></td> </tr> <tr> <td>5</td> <td>SPONGE</td> <td>PUR'</td> <td></td> </tr> </tbody> </table>									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'	
NO	DESCRIPTION	MT'L	REMARKS																													
1	PANEL CASE	SPC	1.6t																													
2	PANEL COVER	SPC	1.6t																													
3	HINGE	PUR'																														
4	CLAMP	PUR'																														
5	SPONGE	PUR'																														
NOTE 1. PROTECTION DEGREE ; A. INDOOR TYPE : DUST PROOF B. OUT DOOR TYPE : SPLASH PROOF 2. FINAL PAINTING COLOR (MUNSELL NO.) A. IN SIDE : 10B 3/5 B. OUT SIDE : 10B 3/5 3. PAINTING THICKNESS : ABOVE 40 U 4. APPLICATION VOLTAGE : 220V, 380V, 440V, 460V, 480V 5. BOX INSIDE CONTROL CABLE : 2.5sq KIV. HIV 6. 외함 개방 구조는 다음과 같다. 1) 외함 개방시 충전부분이 차단되도록 한다. 2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의 차단 성능을 확보하여야 함.																																
<table border="1" style="width: 100%;"> <thead> <tr> <th>AP</th> <th>CHK</th> <th>DESK</th> <th>SHEET NO</th> <th>QTY</th> <th>PROJECT</th> <th>DL 2TON</th> <th>HOIST CONTROL BOX LAY OUT DRAWING</th> <th>006 01 KDC2EB001</th> </tr> </thead> <tbody> <tr> <td colspan="9">  극동호이스트 주식회사 KUK DONG HOIST CO., LTD. 192.168.11.155 / 2011-07-12 14:47:27 한국산업안전보건공단 KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY </td> </tr> </tbody> </table>									AP	CHK	DESK	SHEET NO	QTY	PROJECT	DL 2TON	HOIST CONTROL BOX LAY OUT DRAWING	006 01 KDC2EB001	 극동호이스트 주식회사 KUK DONG HOIST CO., LTD. 192.168.11.155 / 2011-07-12 14:47:27 한국산업안전보건공단 KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY														
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1. 전진역색상은 단음과 같다.

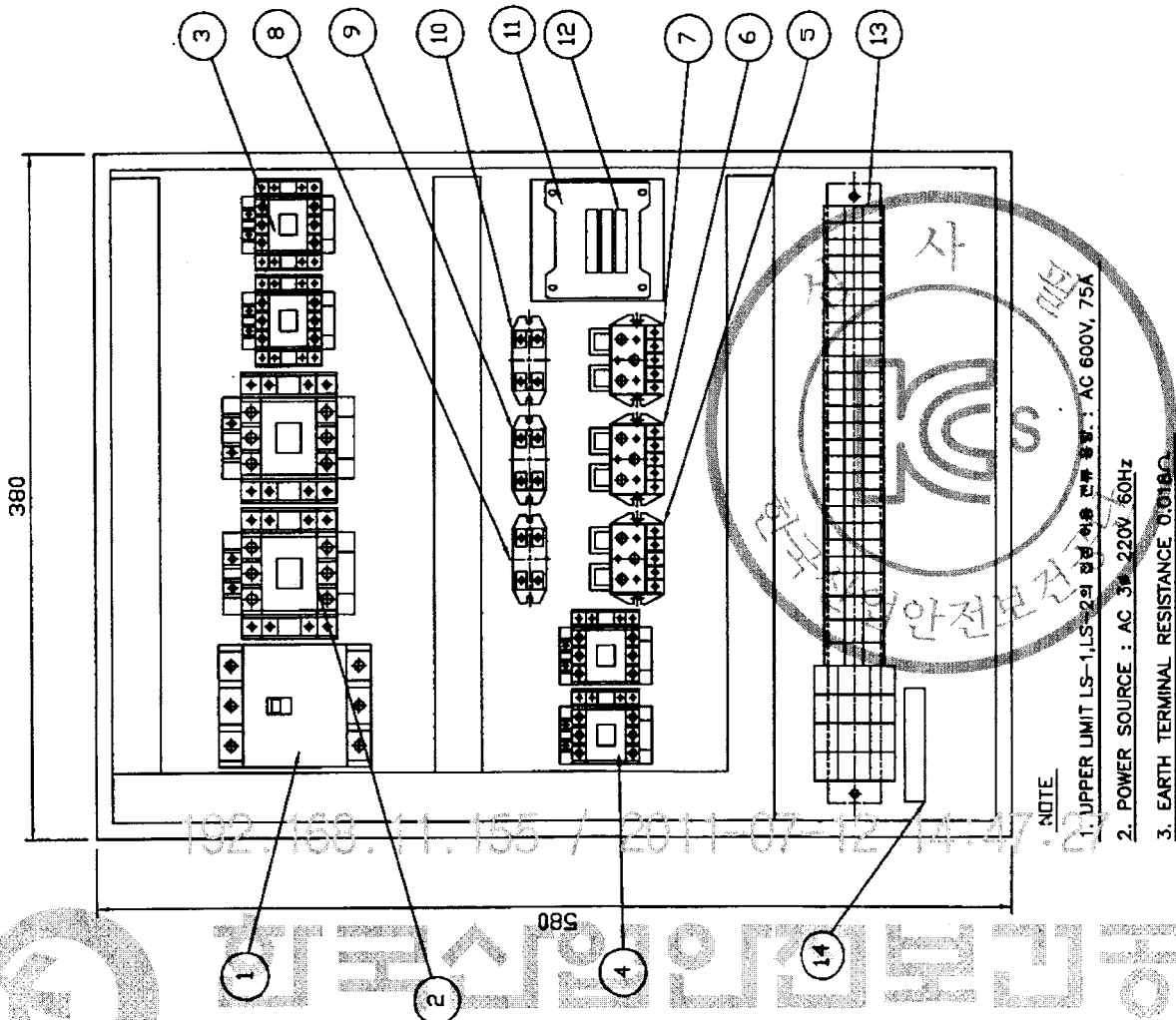
- 1) 주색 : 전진선
- 2) 주색 : 도류제어진
- 3) 정색 : 역류제어진
- 4) 주색 또는 부색 : 황색 또는 : 전진

2. 퇴진역색상은 단음과 같다.

- 1) 주색 : 비상
- 2) 황색 : 비정상
- 3) 부색 : 정상
- 4) 정색 : 역무
- 5) 정색 : 황침

[illegible]

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



NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/30AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DOC-40P	2	HOISTING
3	M111,112	MAG. CONTACTOR	DOC-22P	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DOC-22P	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-30	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	220V/110V,120V 100VA	1	
12	F1,12,(13)	FUSE	2A , (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3tx20x50	1	

NOTE 1. 편선의 색상은 다음과 같다.

- 1) 흑색 : 접지선
 - 2) 적색 : 교류제어선
 - 3) 주황색 : 외부전원에서 공급되는 운동장치 제어회로
 - 4) 녹색 또는 노색과 황색 혼합 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
 4. 제어시 다스 변경 필수있음.
 5. 외함 거방구멍은 다음과 같을것.
 - 1) 외함 거방시 용전부분이 차단되도록 할것.
 - 2) 외함 거방후 용전되어있는 부분은 IP2X 이상의 격면 방호가 되어있을것.

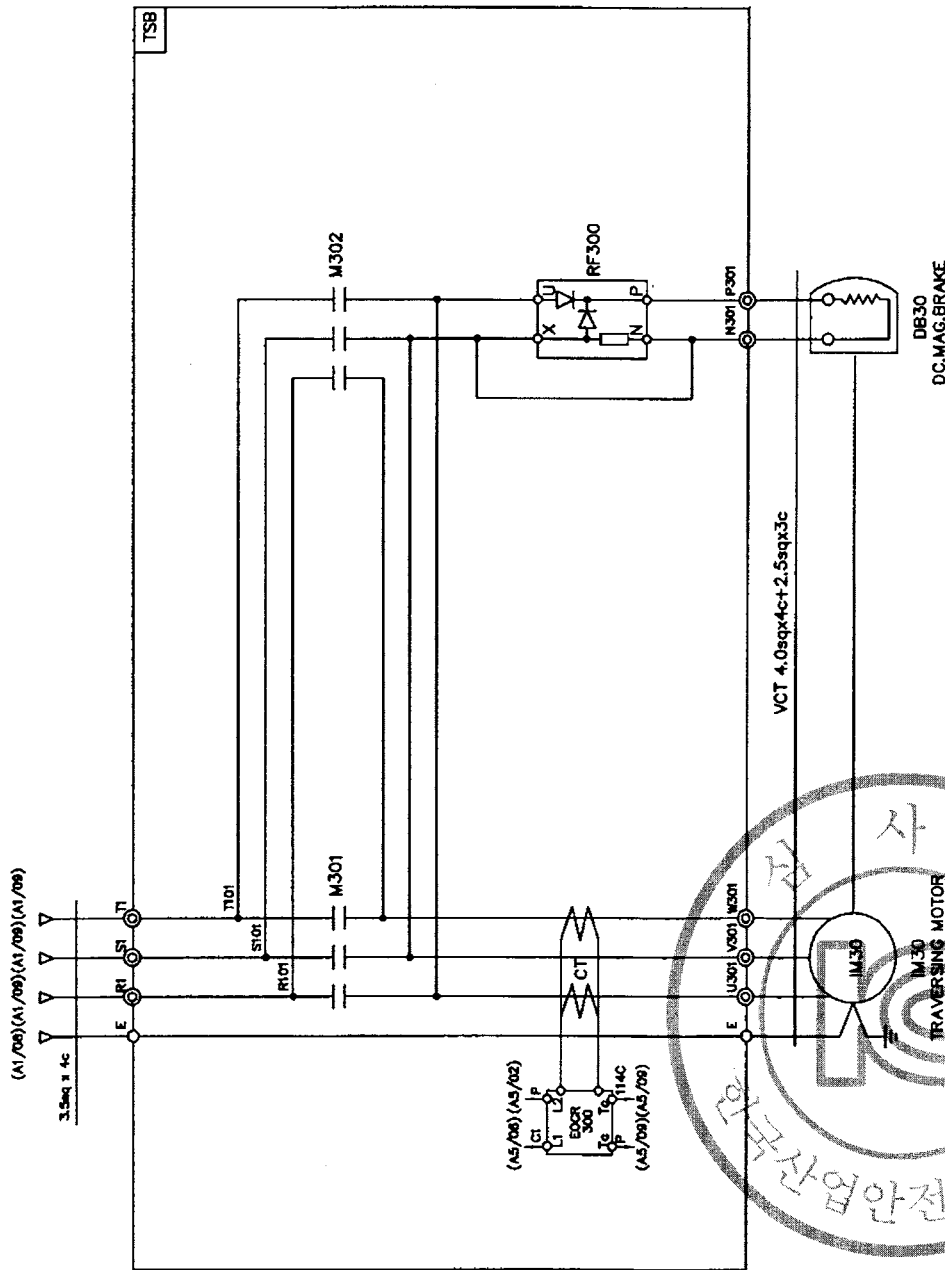
NOTE

1. UPPER LIMIT LS-1,LS-2의 접점 허용 전류 용량 : AC 600V, 75A
2. POWER SOURCE : AC 3Φ 220V 60Hz
3. EARTH TERMINAL RESISTANCE 0.01Ω

DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING							
KUD		KUD 로이스트 주식회사 KUK DONG HOIST CO., LTD.				DWG. NO	KDC02BA21
WEEK	DATE	REVISIONS	CHK.	APP.			

한국산업인력공단

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

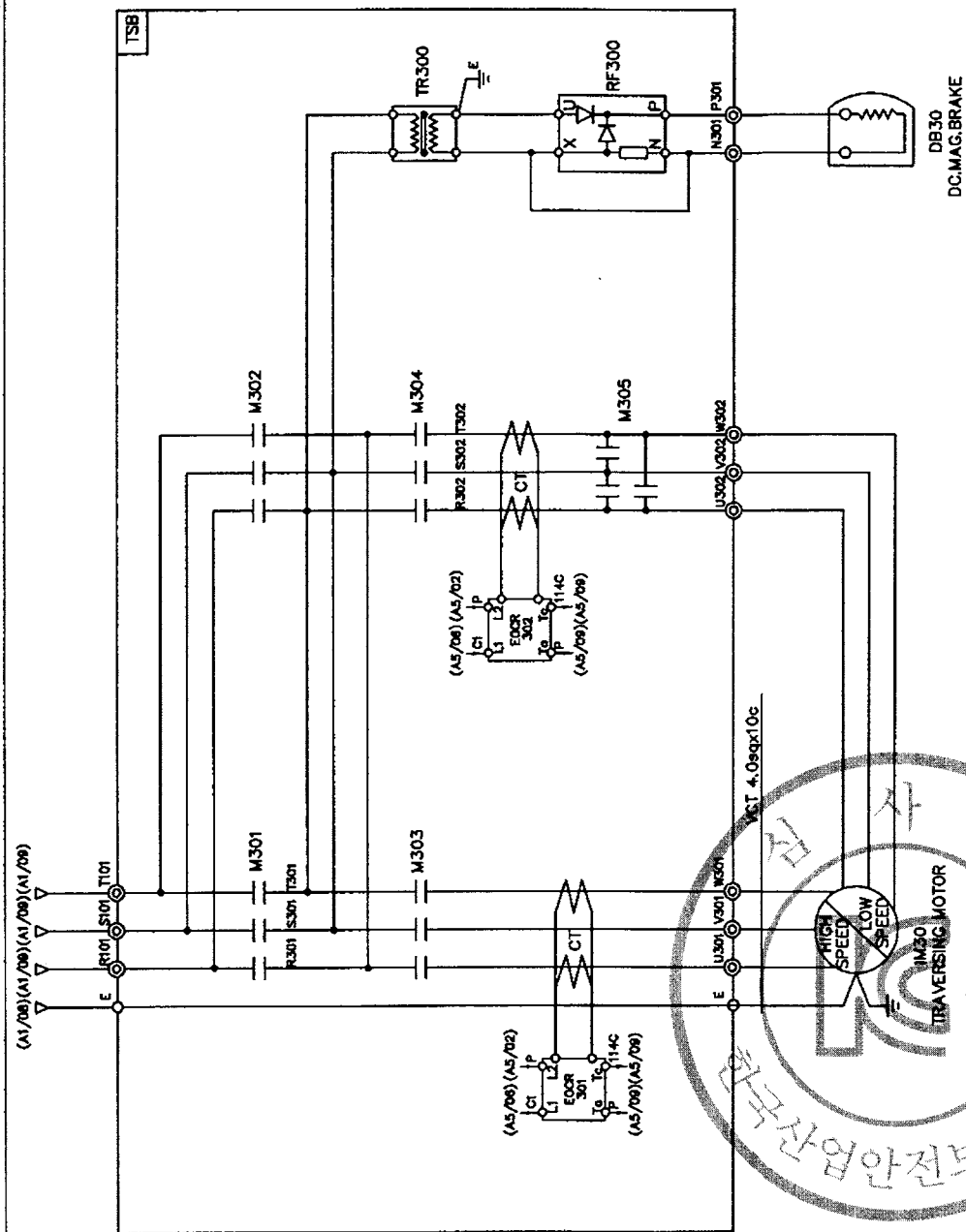


SPECIFICATION SYMBOLS DESCRIPTION		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
IM 30		DB 30		M301, M302		RF 300		EOCR 300		LS-301, LS-302		HY - W904	
0.75KW x 4P AC 3PH 220V 60Hz		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		SS-05		HY - W904	
0.5KW x 6P AC 3PH 220V 60Hz		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		SS-05		HY - W904	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO							
CUSTOMER				DRAWING		DESIGN		CHECKED		APPROVED		SCALE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT										NONE	
DATE		REVISIONS		CHK.		APP.		DWG. NO.		KDC02E23		ORDER NO.	

192.168.11.155 / 2011-07-12 14:47:27

192.168.11.155 / 2011-07-12 14:47:27

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		SELECTION MAKER		CUSTOMER		DRAWING TITLE		REVISIONS		DATE		CHK. APP.		WEEK		DATE	
TRAVERSING MOTOR		IM 30		KUKDONG		KUKDONG		TRAVERSING POWER CONTROL CIRCUIT											
220V		0.5/0.25KWx6 / 2P AC3PH 220V 60Hz																	
220V		0.8/0.4KWx4 / 8P AC3PH 220V 60Hz																	
MAGNET CONTACTOR		M301, M302, M303, M304, M305																	
SILICON RECTIFIER		RF 300																	
ELECTRIC OVER CURRENT RELAY		EOCR 301,302																	
TRANSFORMER		TR300																	
SS-05		AC220/220V, 300VA																	
SS-05		AC220/220V, 300VA																	
DAERYUK		DESIGN																	
DAERYUK		CHECKED																	
DAERYUK		APPROVED																	
DAERYUK		SCALE																	
DAERYUK		DATE																	
DAERYUK		ORDER NO.																	
DAERYUK		DWG. NO.																	
DAERYUK		KDC02E25																	

192.168.11.155 / 2011-07-12 14:47:27

192.168.11.155 / 2011-07-12 14:47:27

[illegible]

NOTE 1. 전선의 예상은 다음과 같다.

- 1) 폭어 : 전원선
 - 2) 라에 : 교류제어선
 - 3) 누에 : 외부 전원에서 공급되는 컨트롤러 제어회로
 - 4) 주에 또는 와와 그과 공여 콘용 : 접지선
- CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
- 1. 제어용 전선 : 2.5mm KIV,HIV
 - 2. 제하식 디스 변경 할수있음.
 - 3. 외함 개방구조는 다음과 같음.
- 1) 외함 개방시 종전부분이 차단되도록 함.
 - 2) 외함 개방후 종전되어있는 부분은 IPXX 이상의 레벨

NOTE

1. UPPER LIMIT LS-1LS-2의 전압 허용 범위 용량 : AC 600V, 75A
2. POWER SOURCE : AC 3ø 380V 60Hz
3. EARTH TERMINAL RESISTANCE 0.015Ω

HOIST CONTROL BOX

ARRANGEMENT DRAWING

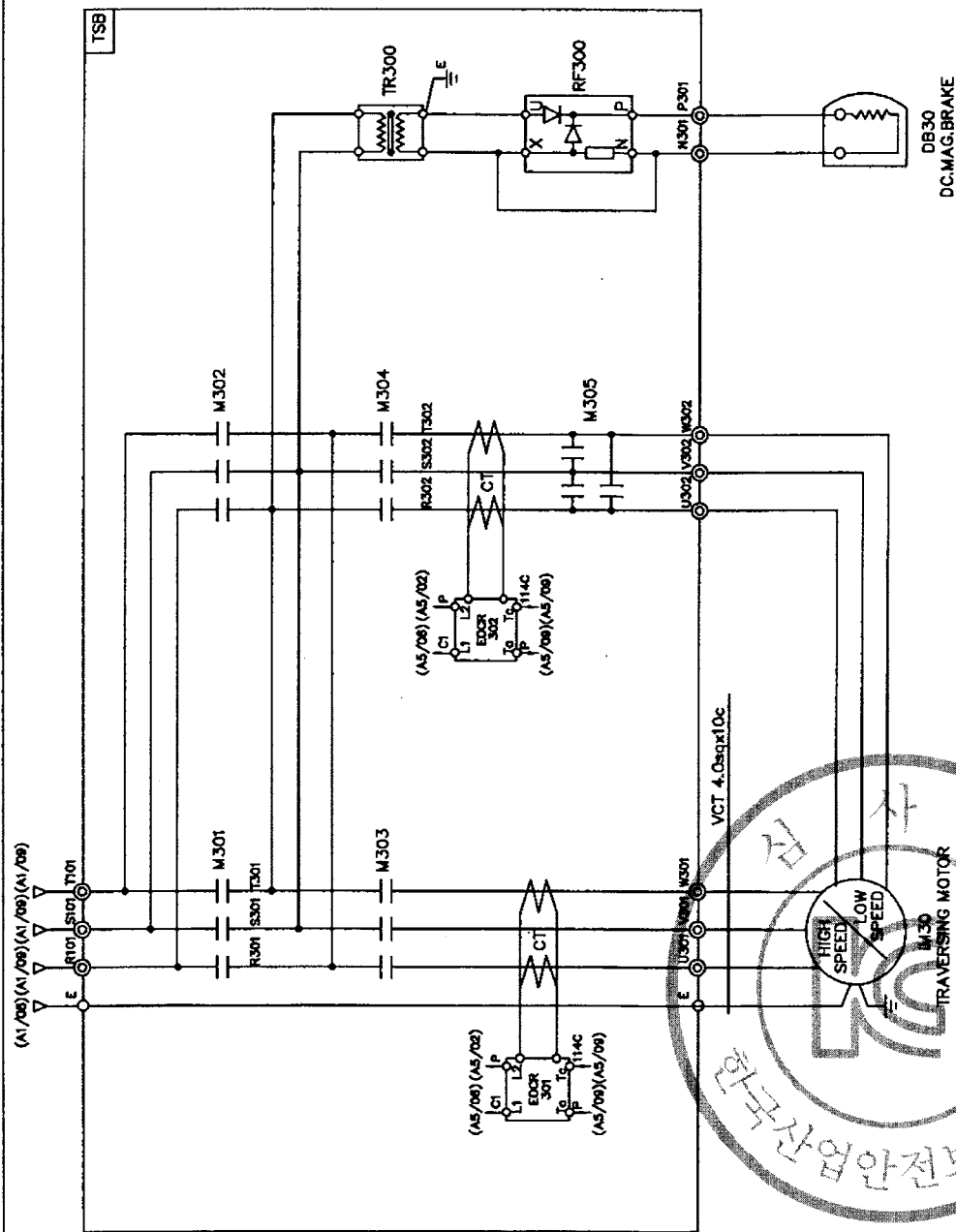


구동호이스트 주식회사
KUK DONG HOIST CO., LTD.

KDC02BA31

한국산업진흥원

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		MAGNET CONTACTOR		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
DESCRIPTION		M301, M302, M303		EOCR 301, 302		TR300	
380V		DC 100V		SS-05		AC380/220V, 300VA	
380V		DC 100V		SS-05		AC380/220V, 300VA	
SELECTION MAKER		DAERYUK		ASECO		SHINHAN	
KUKDONG		KUKDONG		KUKDONG		KUKDONG	
CUSTOMER		DRAWING		CHECKED		APPROVED	
TRAVERSING POWER CONTROL CIRCUIT		DESIGN		SCALE		DATE	
DRAWING TITLE		NONE		NONE		NONE	
REVISIONS		DWG. NO		KDC02E35		KDC02E35	
CHK. APP.		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.	

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380

NOTE

- UPPER LIMIT LS-1,LS-2의 전선 허용 전류 용량 : AC 600V, 75A
- POWER SOURCE : AC 3ø 440V 60Hz
- EARTH TERMINAL RESISTANCE 0.01ΩFL

NO	SYMBOL	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/15AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DOC-22P	2	HOISTING
3	M111,112	MAG. CONTACTOR	DOC-22P	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DOC-22P	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-30	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	440V/110V,120V 60VA	1	
12	F11,12,(13)	FUSE	1A . (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3t×20×50	1	

NOTE

- 전선의 색상은 다음과 같다.
- 색 : 전선선
- 색 : 교류제어선
- 색 : 외부 전원에서 공급되는 전동장치 제어회로
- 색 또는 녹색과 황색 혼용 : 접지선

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

3. 제어용 전선 : 2.5mm KIV,HIV

4. 제어시 다소 변경 될수있음.

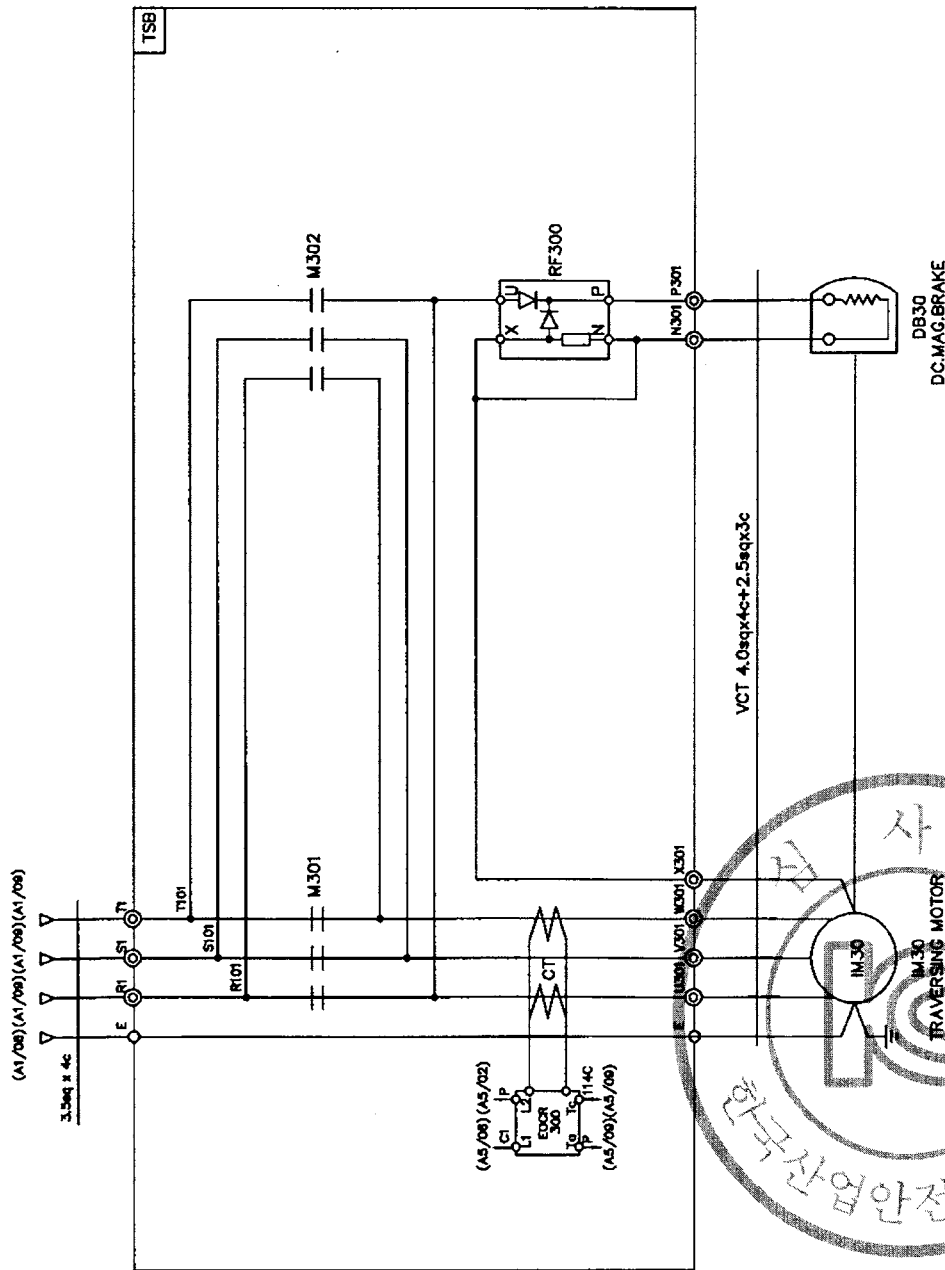
5. 외함 기둥구조는 다음과 같을것.

- 외함 기둥사 용접부분이 차단되도록 할것.
- 외함 기둥후 용접되어있는 부분은 IP2X 이상의 격벽 장착 방호가 되어있을것.

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.	
				NONE			
국동호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO	KDC02BA41
CUSTOMER DRAWING TITLE HOIST CONTROL BOX ARRANGEMENT DRAWING							
DATE	REVISIONS	CHK.	APP.				

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C1

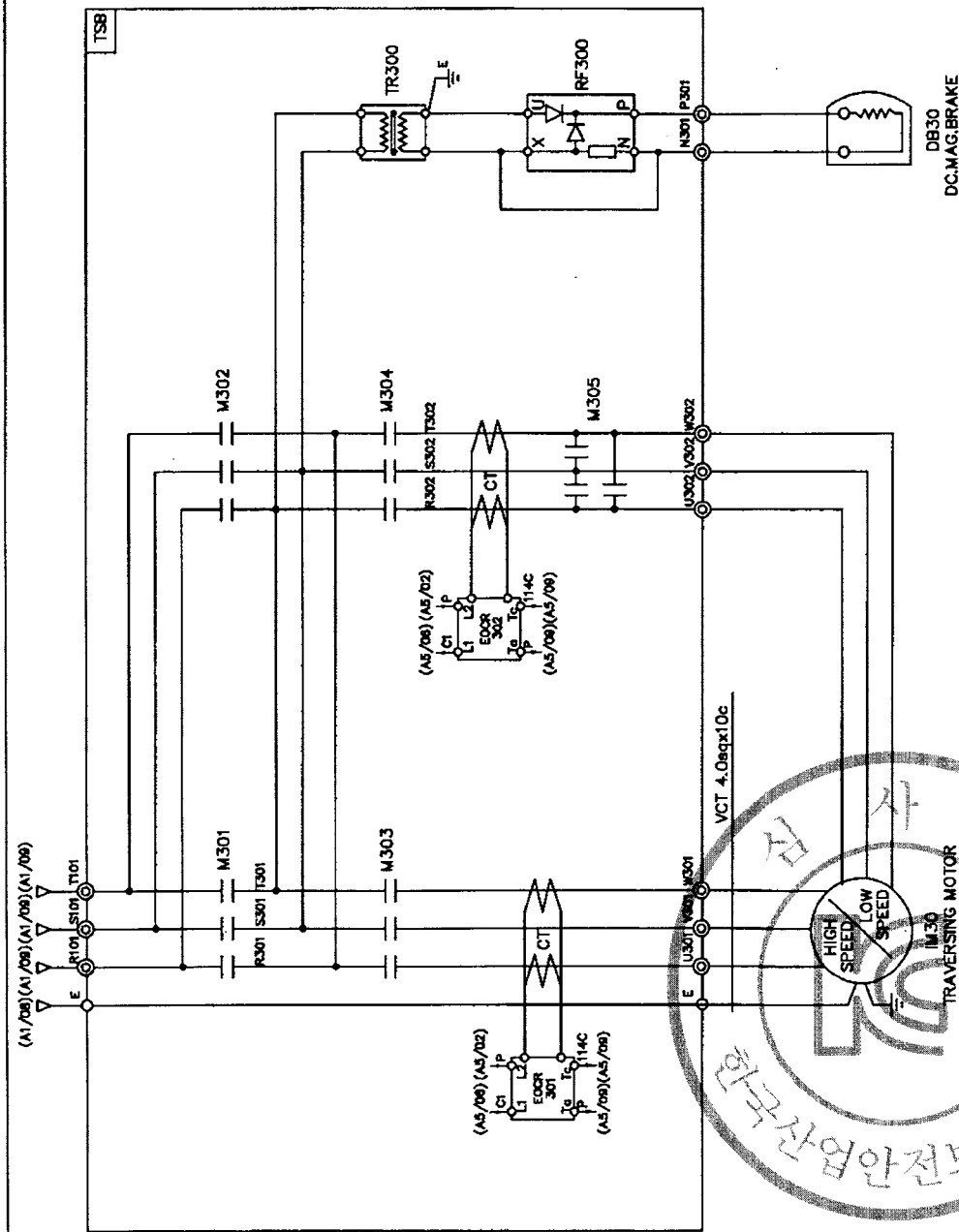


SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG. BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
DESCRIPTION		IM 30		DB 30		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
440V		0.75KW x 4P AC 3PH 440V 60Hz		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		HY - W904	
SELECTION MAKER		KUKDONG		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		HY - W904	
CUSTOMER		DAERYUK		A5ECO		DESIGN		CHECKED		APPROVED		SCALE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		NONE		DATE		DWG. NO		KDC02E43		ORDER NO.	
REVISIONS		CHK. APP.		DATE		KUKDONG HOIST CO., LTD.		KUKDONG HOIST CO., LTD.		KDC02E43		KDC02E43	

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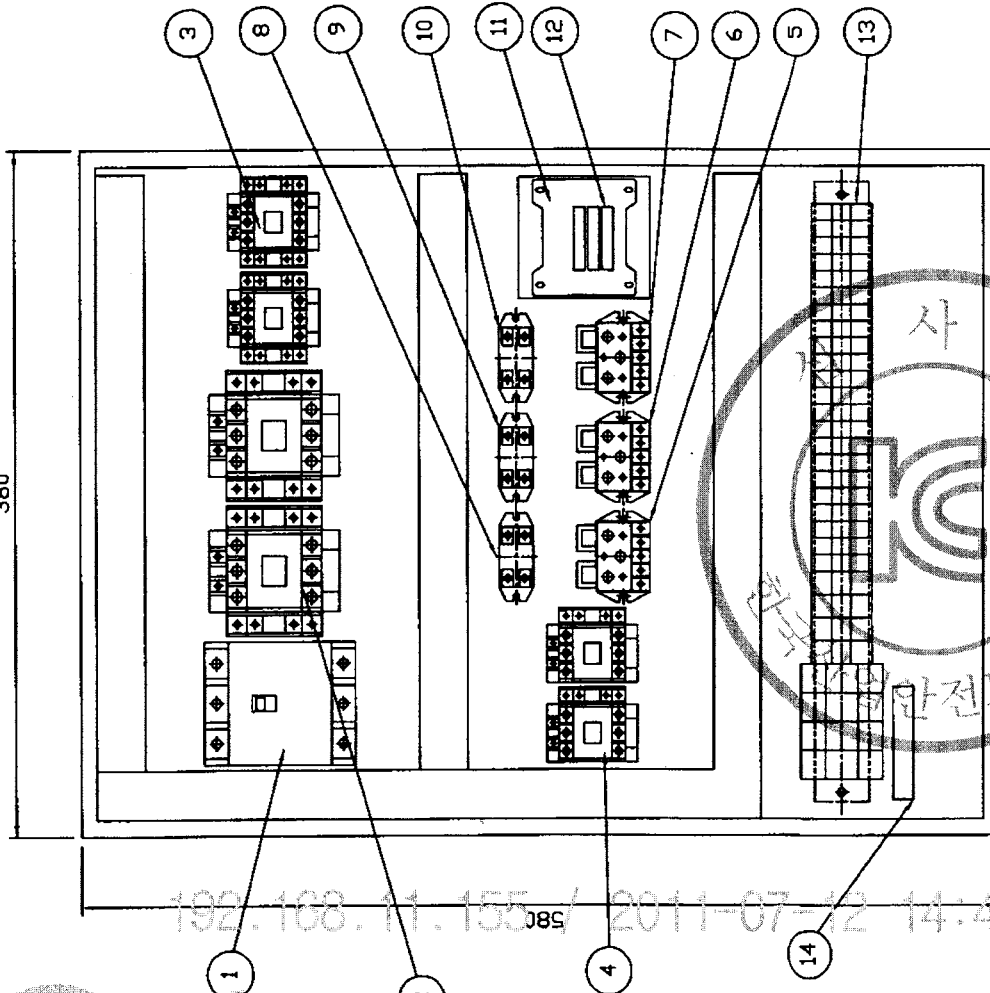
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



SPECIFICATION SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		M301, M302, M303		M304, M305		EOCR 301,302		TR300	
440V 0.5/0.25KWx6/12P AC3PH 440V 60Hz		DC 100V		DOC-22P		DOC-22R		SS-05		AC440/220V, 300VA	
440V 0.8/0.4KWx4/8P AC3PH 440V 60Hz		DC 100V		DOC-22P		DOC-22R		SS-05		AC440/220V, 300VA	
SELECTION MAKER		KUKDONG		DAERYUK		ASECO		SHINHAN		ORDER NO.	
CUSTOMER		KUKDONG		DRAWING		DESIGN		APPROVED		DATE	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		CHECKED		SCALE		NONE		DWG. NO	
REVISIONS		CHK. APP.		KUKDONG HOIST CO., LTD.		KDC02E45					
DATE		192.168.11.155 / 2011-07-12 14:47:27									

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.
380																			
ADR'S NO.																			



NOTE

1. UPPER LIMIT LS-1LS-2의 전원 허용 전류 용량 : AC 800V, 75A
2. POWER SOURCE : AC 3ø 480V 60Hz
3. EARTH TERMINAL RESISTANCE-0.018Ω

NOTE

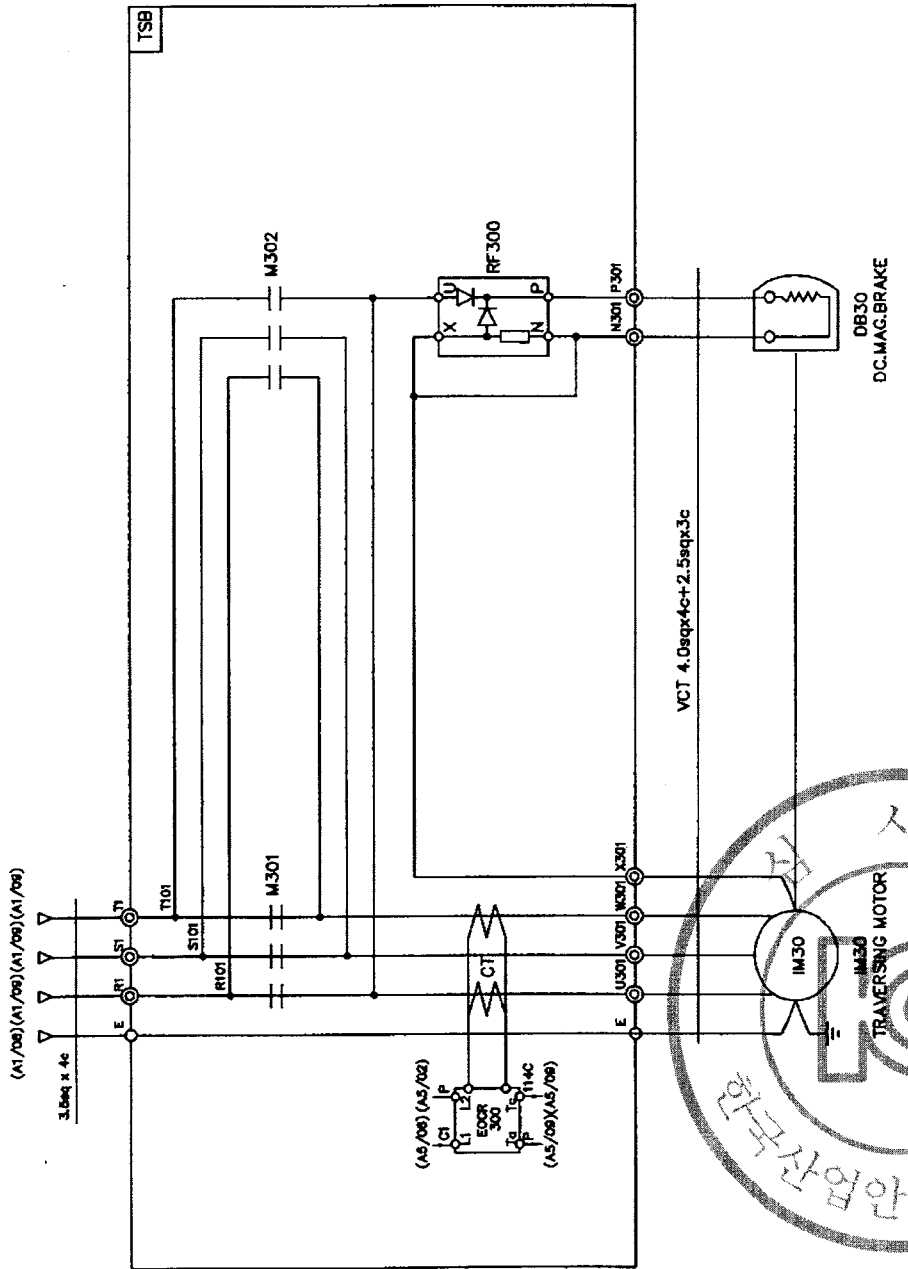
1. 전선의 세상은 다음과 같다.
2. 케이블 : 전선선
3. 주용선 : 외부 전원에서 공급되는 연동장치 제어회로
4. 노역 또는 노역과 용역 : 전지선
5. 케이블 : KIV OR EQUIVALENT
6. MIN SIZE : 2.5sq
7. 제어용 전선 : 2.5mm KIV/HIV
8. 제어시 다스 변경 필수있음.
9. 외함 기밀구조는 다음과 같을것.
10. 외함 기밀구조는 다음과 같을것.
11. 외함 기밀구조는 다음과 같을것.
12. 외함 기밀구조는 다음과 같을것.

NO	SYMBOL	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	MCCB100	NO FUSE BREAKER	33AF/15AT	1	HOISTING
2	M101,102	MAG. CONTACTOR	DOC-22P	2	HOISTING
3	M111,112	MAG. CONTACTOR	DOC-22P	2	CREEP HOIST
4	M301,302	MAG. CONTACTOR	DOC-22P	2	TRAVERSING
5	EOCR100	ELECTRONIC OVER CURRENT RELAY	SS-30	1	HOISTING
6	EOCR110	ELECTRONIC OVER CURRENT RELAY	SS-05	1	CREEP HOIST
7	EOCR300	ELECTRONIC OVER CURRENT RELAY	SS-05	1	TRAVERSING
8	RF100	SILICON RECTIFIER	SR-30	1	HOISTING
9	RF110	SILICON RECTIFIER	SR-30	1	CREEP HOIST
10	RF300	SILICON RECTIFIER	SR-30	1	TRAVERSING
11	TR1	TRANSFORMER	480V/110V,120V 60VA	1	
12	F11,12,(13)	FUSE	1A, (3A)	2(1)	
13		TERMINAL BLOCK	35A,15A	1	
14		EARTH TERMINAL	3x20x50	1	

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC02BA51
HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE						
CHK.						
APP.						

[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.																			C1

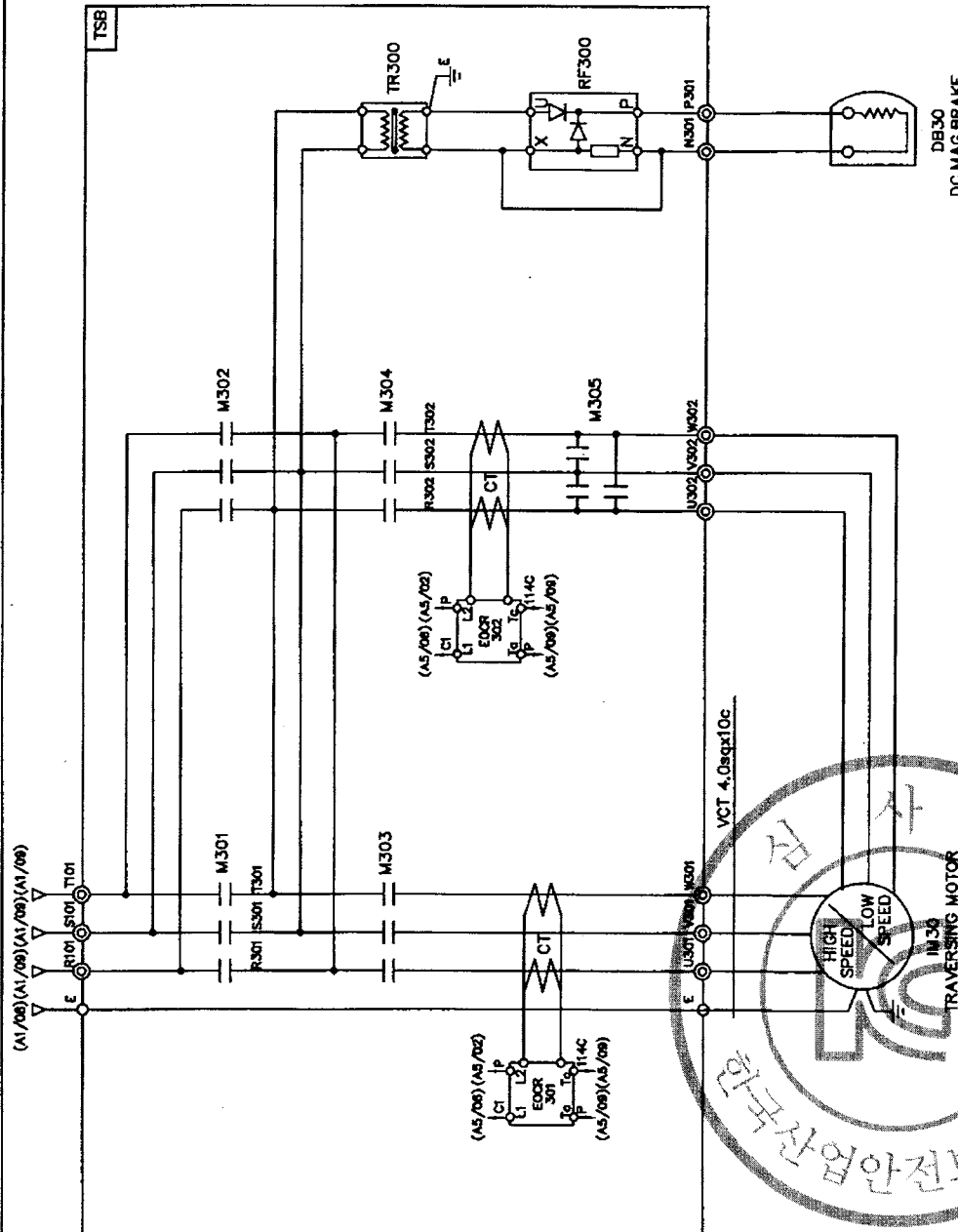


SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
DESCRIPTION		IM 30		DB 30		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
		D.75KW x 4P AC 3PH 460V 60Hz		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		HY - W904	
		0.5KW x 6P AC 3PH 460V 60Hz		DC 100V		DOC-22P AC 110V		SR-30 AC 220V/DC 100V		SS-05		HY - W904	
SELECTION MAKER		KUKDONG				DAERYUK		ASECO					
CUSTOMER												ORDER NO.	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT											
		DIAGRAM										DWG. NO	
												KDC02E53	
CHK. APP.													
REVISIONS													
DATE													

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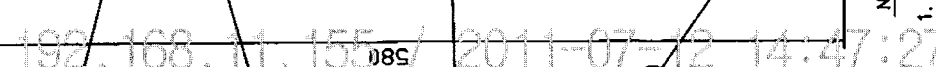
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			ADR'S NO.
TRAVERSING MOTION																			C2



SPECIFICATION	SYMBOLS	DESCRIPTION	TRAVERSING MOTOR	DC MAG. BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
			IM 30	DB30	M301, M302, M303	RF 300	EOCR 301, 302	TR300
		460V	0.5/0.025KWx6/3P AC3PH 460V 60Hz	DC 100V	DOC-22P	SR-30	SS-05	AC460/220V, 300VA
		460V	0.8/0.04KWx4/8P AC3PH 460V 60Hz	DC 100V	DOC-22P	SR-30	SS-05	AC460/220V, 300VA
SELECTION	MAKER		KUKDOONG		DAERYUK		ASECO	SHINHAN
CUSTOMER			DRAWING			APPROVED		
DRAWING TITLE			TRAVERSING POWER CONTROL CIRCUIT			SCALE		
REVISIONS			CHK.			DATE		
DATE			APP.			DWG. NO		
						KDC02E55		

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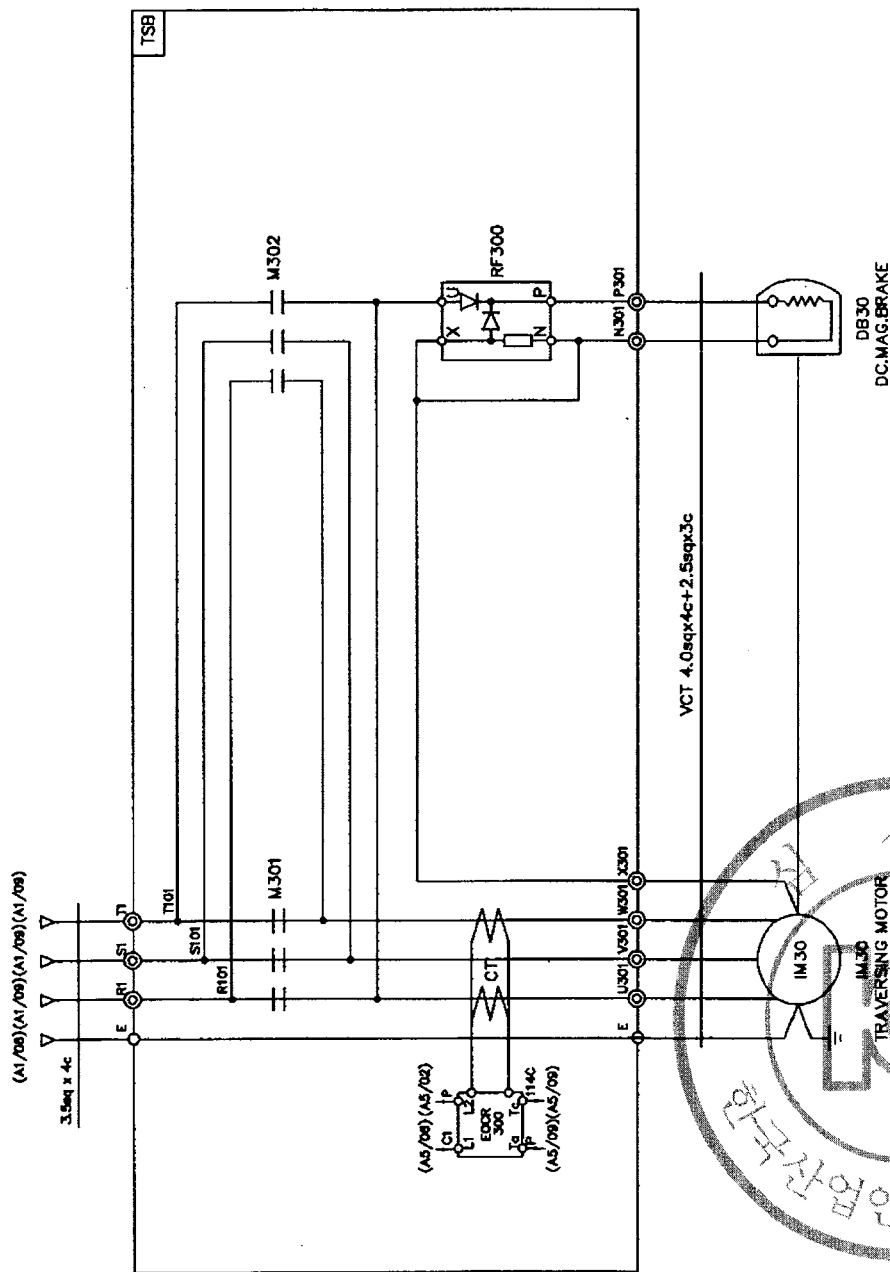
NOTE

1. 전선의 색상은 다음과 같다.
 - 1) 흑색 : 전원선
 - 2) 적색 : 교류제어선
 - 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로
 - 4) 녹색 또는 녹색과 노랑 혼합 : 접지선
2. CABLE MATERIAL : ┌ KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제자리 다스 받침 필수있음.
5. 외함 개방구조는 다음과 같음.
 - 1) 외함 개방시 용전부에는 차단되도록 함.
 - 2) 외함 개방용 용전피어있는 부분은 IP2X 이상의 차단

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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																			
HOISTING MOTION										CREEP HOIST MOTION									
ADR'S NO.										81									

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

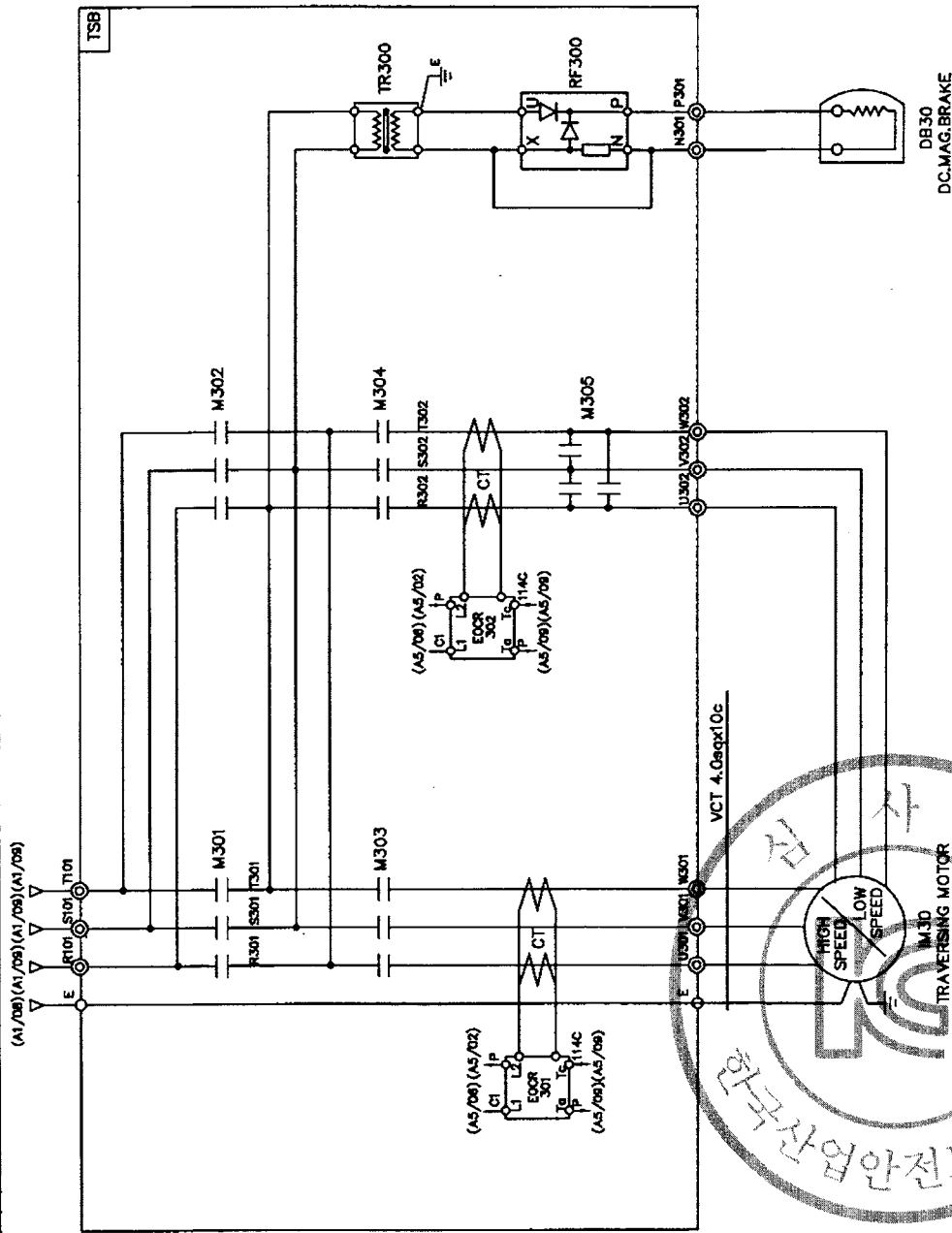


SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR	DC MAG. BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	LIMIT SWITCH
	IM 30	DB 30	M 301, M 302	RF 300	EOCR 300	LS-301, LS-302
SELECTION MAKER	0.75KW x 4P AC 3PH 480V 60Hz	DC 100V	DOC-22P AC 110V	SR-30 AC 220V/DC 100V	SS-05	HY - W904
	0.5KW x 6P AC 3PH 480V 60Hz	DC 100V	DOC-22P AC 110V	SR-30 AC 220V/DC 100V	SS-05	HY - W904
KUKOONG						
DAERYUK						
ASECO						
CUSTOMER		DRAWING	DESIGN	CHECKED	APPROVED	SCALE
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		DATE		ORDER NO.
CHK.		REVISIONS		DWG. NO.		KDC02E63
DATE		KUKOONG		KUK DONG HOIST CO., LTD.		

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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																			ADR'S NO.
TRAVERSING MOTION																			C2

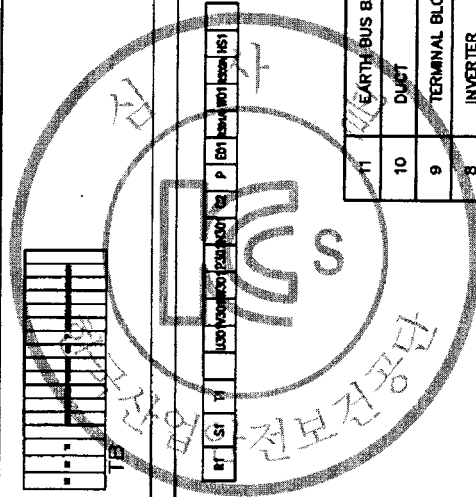


77:27	DATE	REVISIONS	CHK.	APP.	DRAWING TITLE	CUSTOMER	TRAVERSING POWER CONTROL CIRCUIT										ORDER NO.
	DAERYUK												DWG. NO				
	KUKDONG																
	DAERYUK																
SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER					
DESCRIPTION		IM 30		DB30		M301, M302, M303		RF 300		EOCR 301,302		TR300					
		0.5/0.025KWx6/12P AC3PH 480V 60Hz		DC 100V		DOC-22P		SR-30		SS-05		AC480/220V, 300VA					
		0.8/0.04KWx4/8P AC3PH 480V 60Hz		DC 100V		DOC-22P		SR-30		SS-05		AC480/220V, 300VA					
SELECTION																	
MAKER												SHINHAN					

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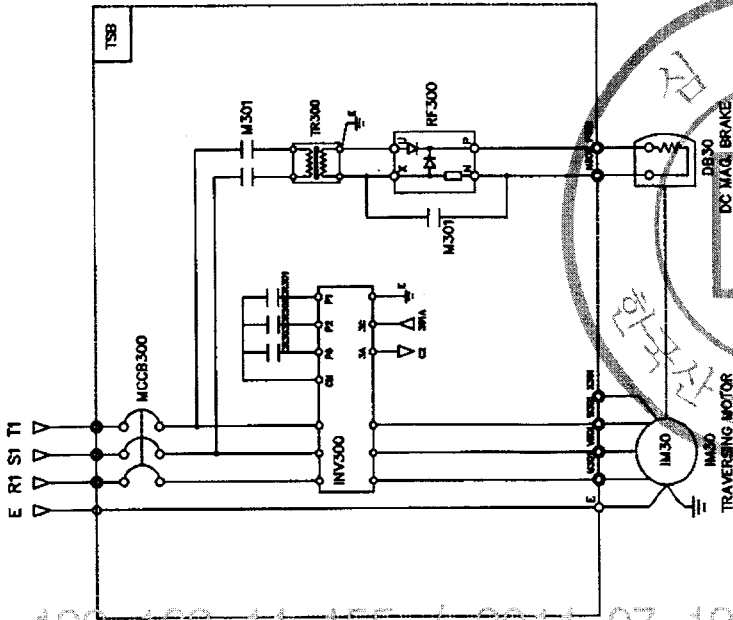
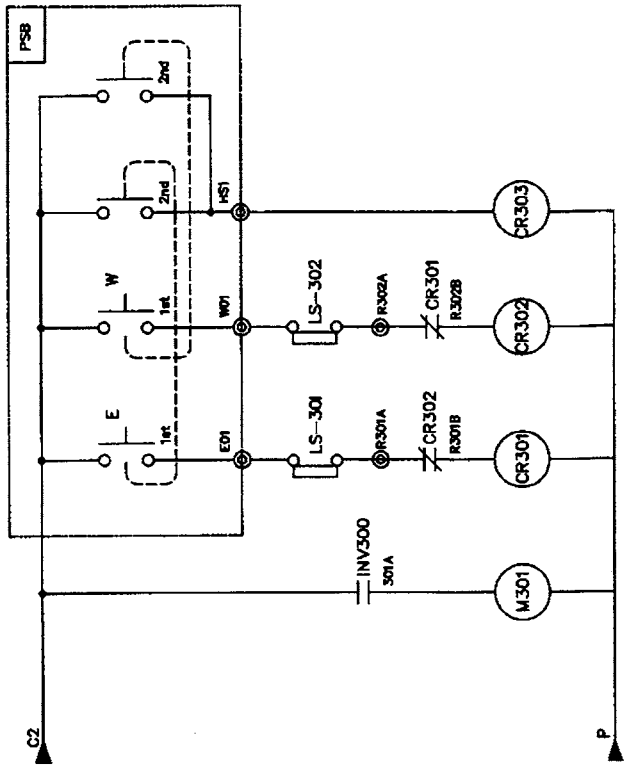
1. 2010年12月1日，甲公司以每股10元的价格购入乙公司普通股股票10000股，划分为交易性金融资产。2010年12月31日，该股票市价为每股11元。2011年1月1日，甲公司将其持有的乙公司普通股股票全部出售，售价为每股12元，支付相关税费1000元。



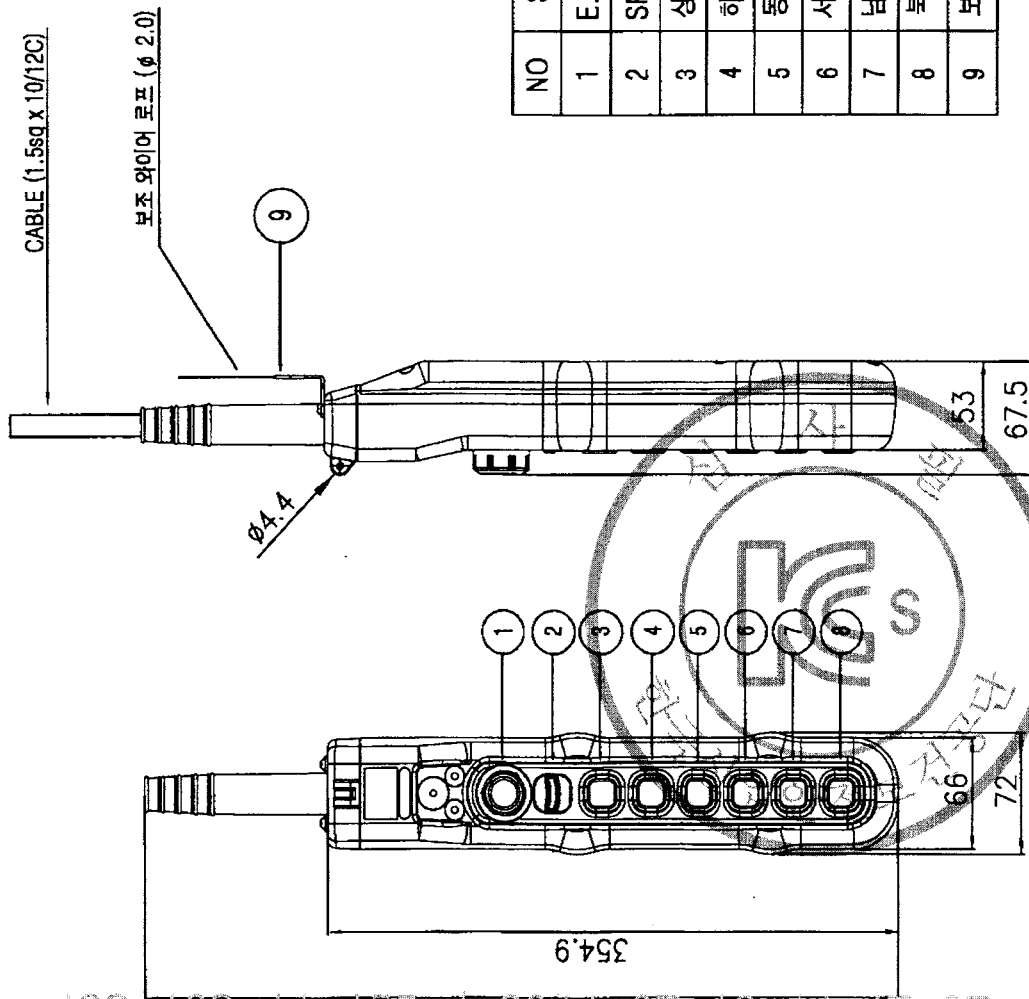
11	EARTH BUS BAR	PUR	1			
10	DUST	PUR	1			
9	TERMINAL BLOCK	PUR	1			
8	INVERTER	PUR	1			
7	TR	PUR	1			
6	RELAY & SOCKET	PUR	1			
5	RF	PUR	1			
4	MC	PUR	1			
3	MOCB	PUR	1			



구동호이스트 주식회사
KUK DONG HOIST CO., LTD.

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POWER CIRCUIT DIAGRAM										CONTROL CIRCUIT DIAGRAM										ADT'S NO.	
TRaversing Motion										BRAKE EAST WEST HIGH SPEED											
																					
SPECIFICATION SYMBOLS DESCRIPTION										KUK DONG HOIST											
TRaversing Power										INVERTER CONTROL											
TRaversing Motor										DRAWING DESIGN CHECKED APPROVED SCALE DATE ORDER NO.											
DB30										DRAWING											
IM 30										M301											
0.75KW x 4P										TR 300											
0.75KW x 4P										220 / 220V, 300VA											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
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0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											
0.5KW x 6P										DM-22C											





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

* MATERIAL : POLYCARBONATE(PLASTIC)

* BODY COLOR : YELLOW, BLACK

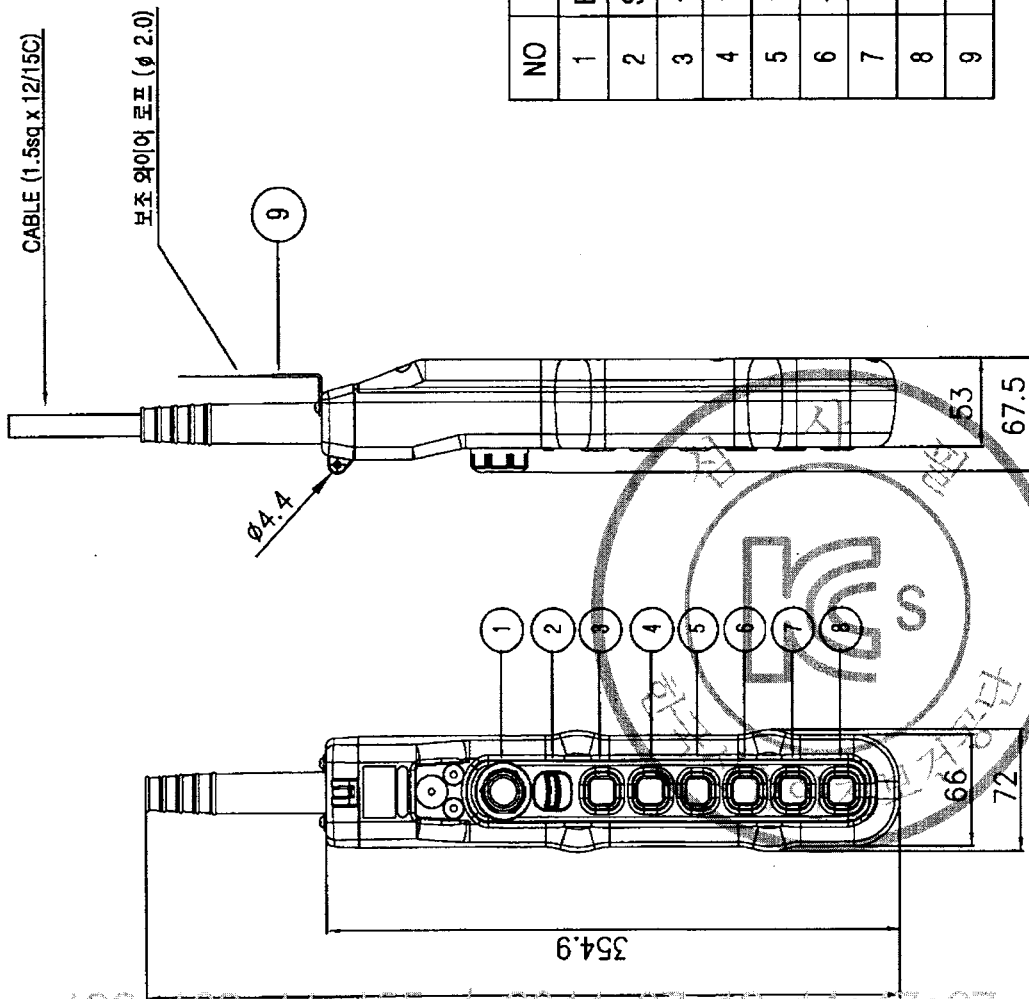
* IP : 55 이상

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

MK	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING	PENDANT PUSH BUTTON SWITCH	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE
					TITLE	LAY OUT							

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

* MATERIAL : POLYCARBONATE(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	1PUSH BUTTON 2STEP		BLACK
4	하	1PUSH BUTTON 2STEP		
5	동 (좌)	1PUSH BUTTON 2STEP		
6	서 (우)	1PUSH BUTTON 2STEP		
7	남 (진)	1PUSH BUTTON 1STEP		
8	북 (후)	1PUSH BUTTON 1STEP		
9	보조 WIRE	φ 2.0		

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

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LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	2.7 A	3.1 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.4 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	2.7 A	3.1 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	22.8 A	24.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	22.8 A	24.3 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	30.1 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	6.7 A	8.1 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	30.1 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	6.7 A	8.1 A	CT-1	K-K1, L-L1	5 V.A	
C10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	45.0 A	49.1 A	CT-2	K-K1, L-L1	5 V.A	
	1.1KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.6 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	5.8 A	6.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.6 A	2.1 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.6 A	2.1 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	4.2 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	4.2 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	16.3 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.9 A	5.3 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	16.3 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.9 A	5.3 A	CT-1	K-K1, L-L1	5 V.A	
C10 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	
	1.1KW x 8P	110%	1 SEC	1 SEC	4.6 A	6.1 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.

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LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C. T MODEL	연결단자 NO	C. T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	7.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.4 A	1.8 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.4 A	1.8 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	13.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.7 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	13.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.7 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	18.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	18.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
C10 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	
	1.1KW x 8P	110%	1 SEC	1 SEC	4.0 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

극동하이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.3 A	1.5 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.3 A	1.5 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.5 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.5 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
C10 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	
	1.1KW x 8P	110%	1 SEC	1 SEC	3.8 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

POWER SOURCE : AC 3Φ 480V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.0 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.2 A	1.35 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.2 A	1.35 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.4 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.4 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.1 A	3.5 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.1 A	3.5 A	CT-1	K-K1, L-L1	5 V.A	
C10 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	
	1.1KW x 8P	110%	1 SEC	1 SEC	3.6 A	5.4 A	CT-1	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	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	0.4KW x 4P	2.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	2.7 A	
C2 TON	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
	0.4KW x 4P	2.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	2.7 A	
C2.8 TON	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	1.5KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C3 TON	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	1.5KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C5 TON	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	1.0KW x 6P	6.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.7 A	
C7.5 TON	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	1.0KW x 6P	6.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.7 A	
C10 TON	9.0KW x 8P	45.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	45.0 A	
	1.1KW x 8P	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

극동호이스트(주)

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	5.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	0.4KW x 4P	1.6 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.6 A%	
C2 TON	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
	0.4KW x 4P	1.6 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.6 A	
C2.8 TON	5.0KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	1.5KW x 4P	4.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.2 A	
C3 TON	5.5KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	1.5KW x 4P	4.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.2 A	
C5 TON	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
	1.0KW x 6P	3.9 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.9 A	
C7.5 TON	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
	1.0KW x 6P	3.9 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.9 A	
C10 TON	9.0KW x 8P	26.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	26.0 A	
	1.1KW x 8P	4.6 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.6 A	

NOTE

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

E.O.C.R 권고 SETTING치

국동호이스트(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	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
	0.4KW x 4P	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2 TON	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
	0.4KW x 4P	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2.8 TON	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	1.5KW x 4P	3.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.7 A	
C3 TON	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	1.5KW x 4P	3.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.7 A	
C5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	1.0KW x 6P	3.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.3 A	
C7.5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	1.0KW x 6P	3.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.3 A	
C10 TON	9.0KW x 8P	22.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.5 A	
	1.1KW x 8P	4.0 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.0 A	

NOTE

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

E.O.C.R 권고 SETTING치

극동호이스트(주)									
HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK	
					DELAY TIME	OPERATION TIME	CURRENT		
C1 TON	2.4KW x 4P	4.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	4.8 A		
	0.4KW x 4P	1.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A		
C2 TON	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A		
	0.4KW x 4P	1.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A		
C2.8 TON	5.0KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A		
	1.5KW x 4P	3.5 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.5 A		
C3 TON	5.5KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A		
	1.5KW x 4P	3.5 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.5 A		
C5 TON	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A		
	1.0KW x 6P	3.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.2 A		
C7.5 TON	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A		
	1.0KW x 6P	3.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.2 A		
C10 TON	9.0KW x 8P	21.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.5 A		
	1.1KW x 8P	3.8 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.8 A		

* POWER SOURCE : AC 3Φ 460V 60Hz

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	
C1 TON	2.4KW x 4P	4.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	4.6 A	
	0.4KW x 4P	1.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2 TON	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
	0.4KW x 4P	1.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2.8 TON	5.0KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	1.5KW x 4P	3.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.4 A	
C3 TON	5.5KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	1.5KW x 4P	3.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.4 A	
C5 TON	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	1.0KW x 6P	3.1 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.1 A	
C7.5 TON	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	1.0KW x 6P	3.1 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.1 A	
C10 TON	9.0KW x 8P	20.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	20.6 A	
	1.1KW x 8P	3.6 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.6 A	

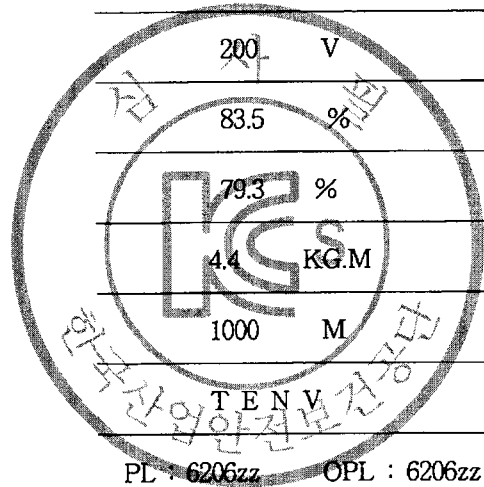
NOTE

1. 상기 TABLE의 속치는 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	112 M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	16 A
12. LOCKED ROTOR CURRENT	81.5 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	83.5 %
15. POWER FACTOR AT 100% RATED LOAD	79.3 %
16. FULL LOAD TORQUE	4.4 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

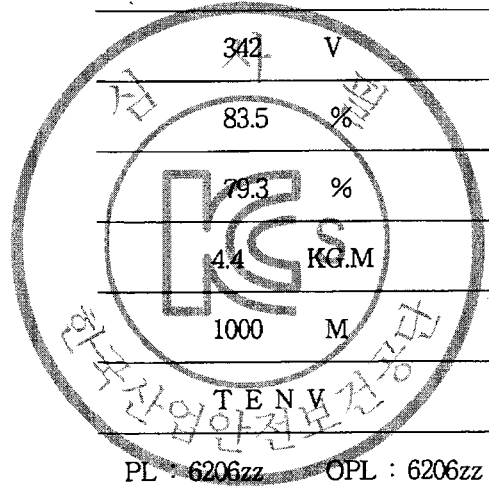


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	9.3 A
12. LOCKED ROTOR CURRENT	56.8 A
13. MINIMUM STARTING VOLTAGE	342 V
14. EFFICIENCY AT 100% RATED LOAD	83.5 %
15. POWER FACTOR AT 100% RATED LOAD	79.3 %
16. FULL LOAD TORQUE	4.4 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 TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

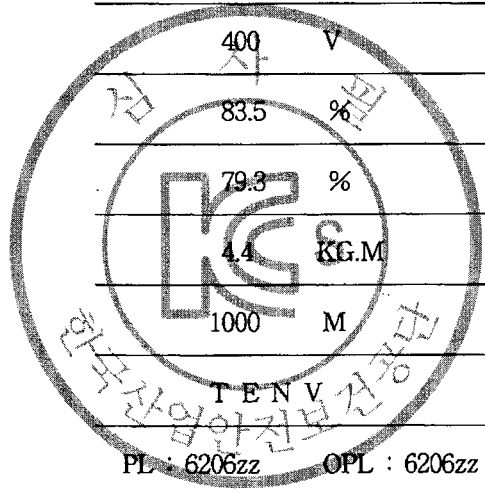


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	8.0 A
12. LOCKED ROTOR CURRENT	44.7 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	83.5 %
15. POWER FACTOR AT 100% RATED LOAD	79.3 %
16. FULL LOAD TORQUE	4.4 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 ℃
22. BEARING LUBRICATION	G R E A S E
23. STARTING METHOD	F U L L V O L T A G E



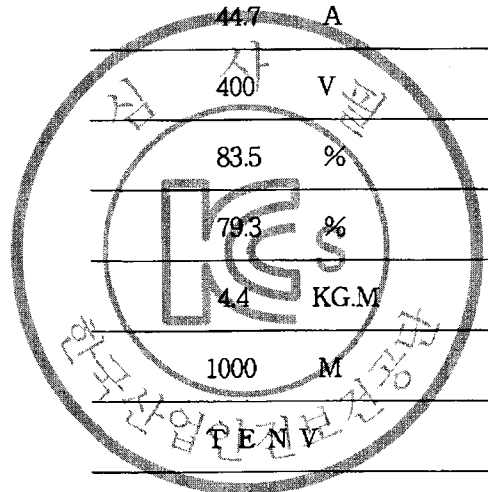
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	7.7 A
12. LOCKED ROTOR CURRENT	44.7 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	83.5 %
15. POWER FACTOR AT 100% RATED LOAD	79.3 %
16. FULL LOAD TORQUE	4.4 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 TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



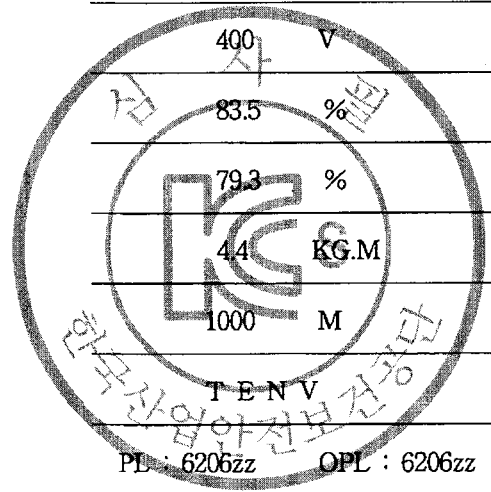
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	112 M
4. RATED POWER	3.7 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	7.3 A
12. LOCKED ROTOR CURRENT	44.7 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	83.5 %
15. POWER FACTOR AT 100% RATED LOAD	79.3 %
16. FULL LOAD TORQUE	44 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

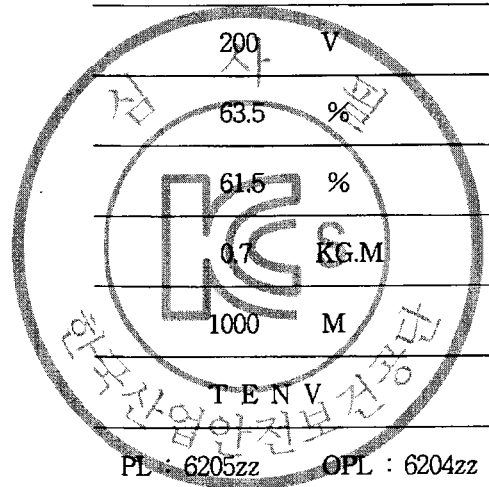


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 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	1740 RPM
11. FULL LOAD CURRENT	2.7 A
12. LOCKED ROTOR CURRENT	14.2 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 K.G.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



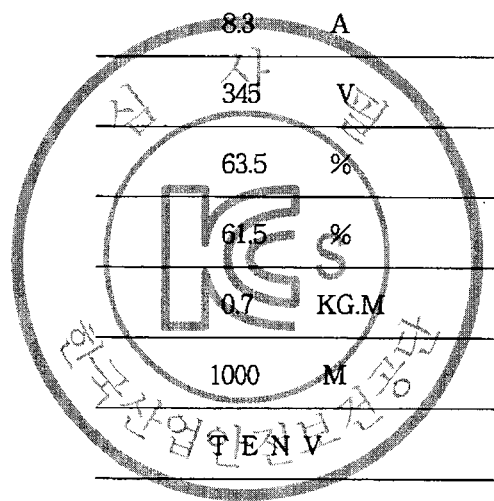
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SCHEDULE OF TECHNICAL DATA

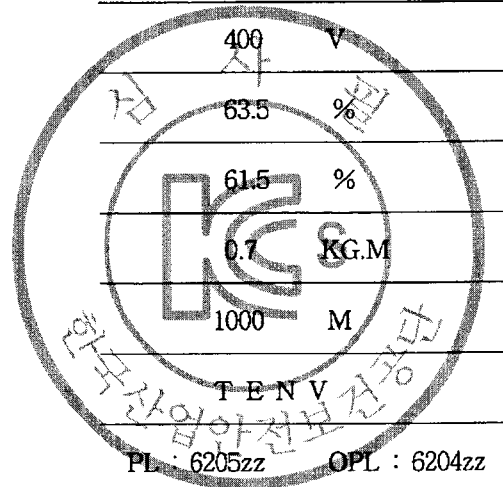
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2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1740 RPM
11. FULL LOAD CURRENT	1.6 A
12. LOCKED ROTOR CURRENT	8.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KGM
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	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 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	1740 RPM
11. FULL LOAD CURRENT	1.4 A
12. LOCKED ROTOR CURRENT	7.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 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



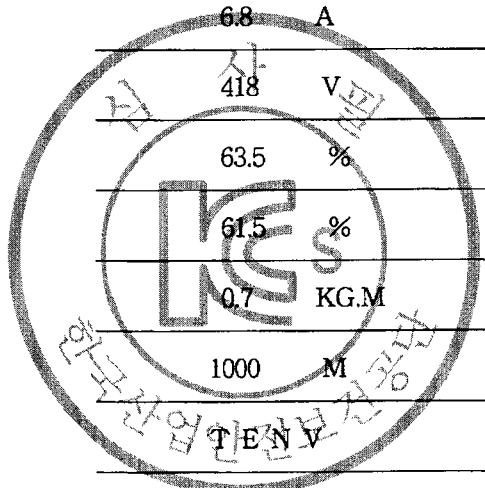
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SCHEDULE OF TECHNICAL DATA

1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 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	1740 RPM
11. FULL LOAD CURRENT	1.3 A
12. LOCKED ROTOR CURRENT	6.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 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



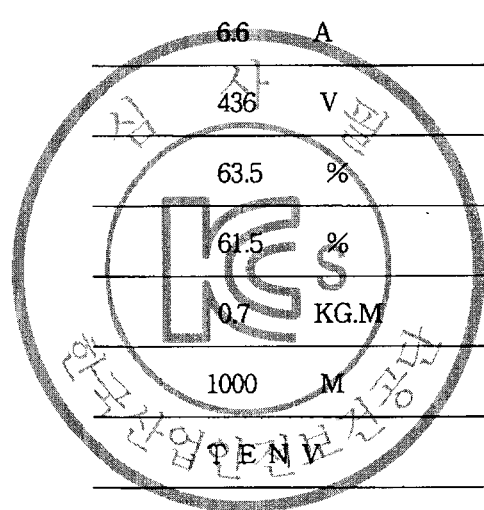
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 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	1740 RPM
11. FULL LOAD CURRENT	1.2 A
12. LOCKED ROTOR CURRENT	6.6 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. FULL LOAD TORQUE	0.7 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	PEN W
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



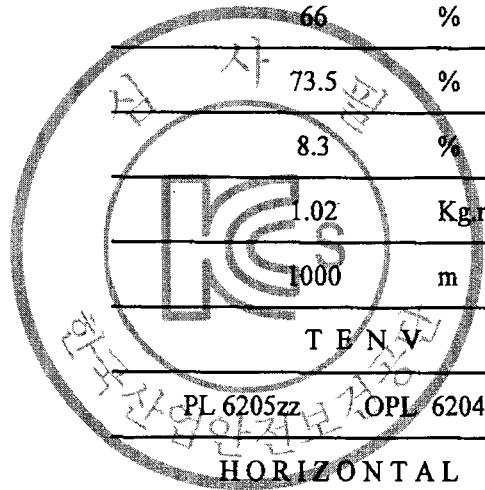
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	4.1 A
11. LOCKED MOTOR CURRENT	22.1 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



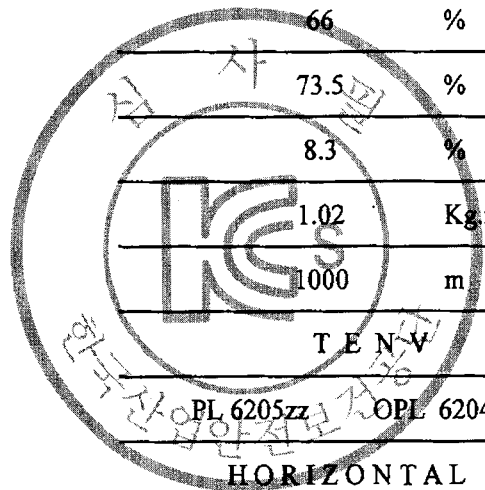
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

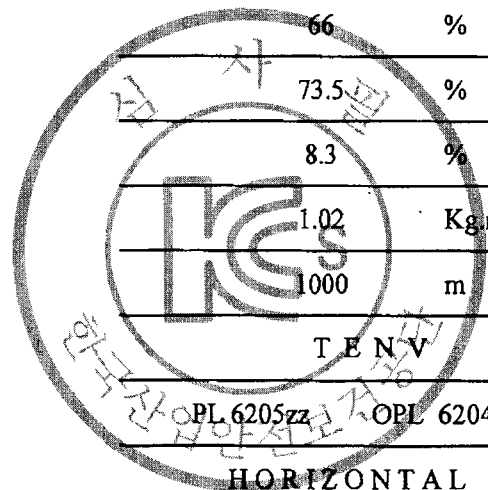
1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.4 A
11. LOCKED MOTOR CURRENT	12.8 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.0 A
11. LOCKED MOTOR CURRENT	11.1 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



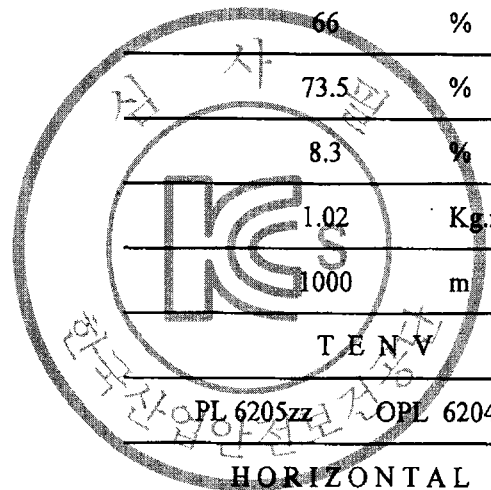
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.0 A
11. LOCKED MOTOR CURRENT	10.6 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



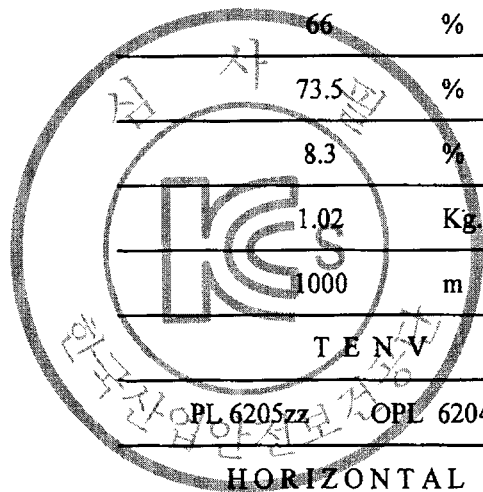
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.9 A
11. LOCKED MOTOR CURRENT	10.2 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



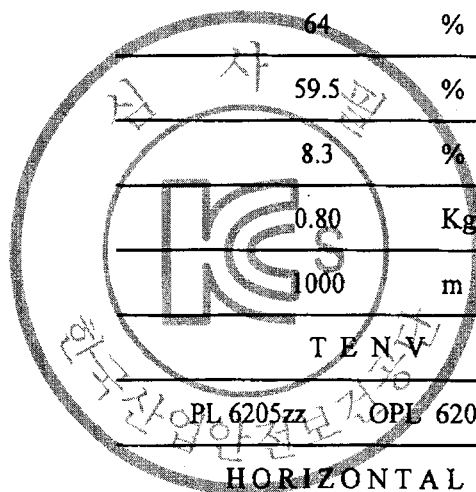
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	3.4 A
11. LOCKED MOTOR CURRENT	16.4 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg·m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



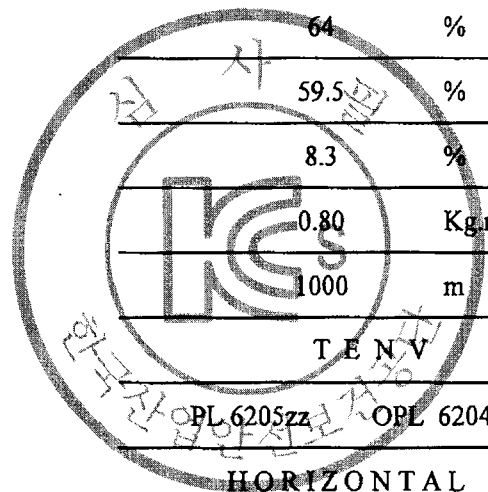
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.0 A
11. LOCKED MOTOR CURRENT	9.5 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



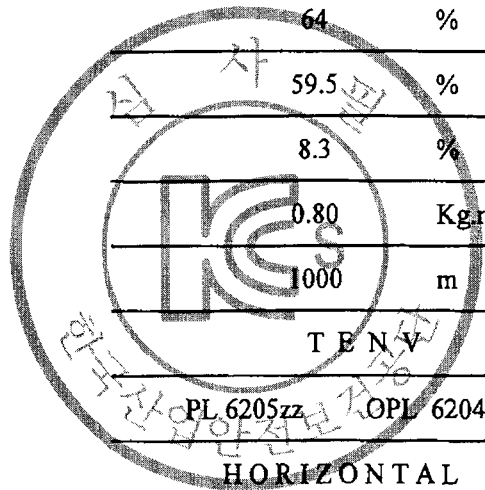
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.7 A
11. LOCKED MOTOR CURRENT	8.2 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



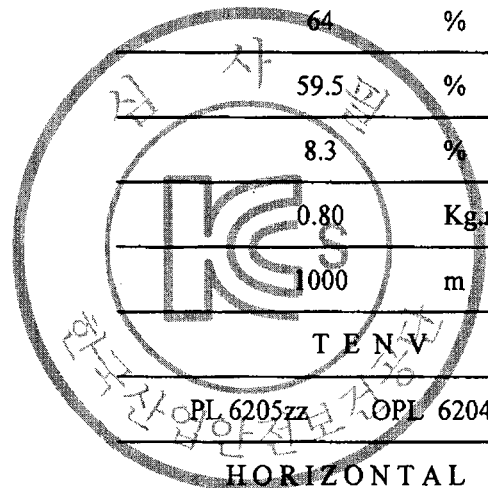
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.7 A
11. LOCKED MOTOR CURRENT	7.9 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



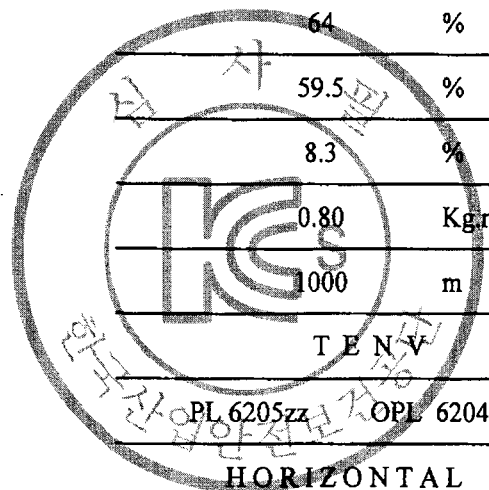
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.6 A
11. LOCKED MOTOR CURRENT	7.5 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21 Kg
24. SERIAL NO	



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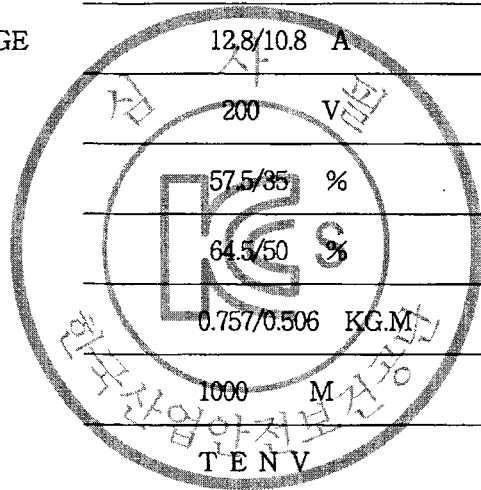
한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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	0.5/0.25 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	3.2/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	12.8/10.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 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



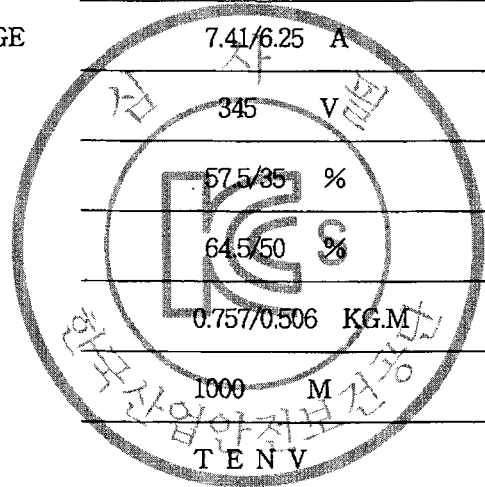
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 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	1.85/2.08 A
12. STARTING CURRENT AT RATED VOLTAGE	7.41/6.25 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 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 TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



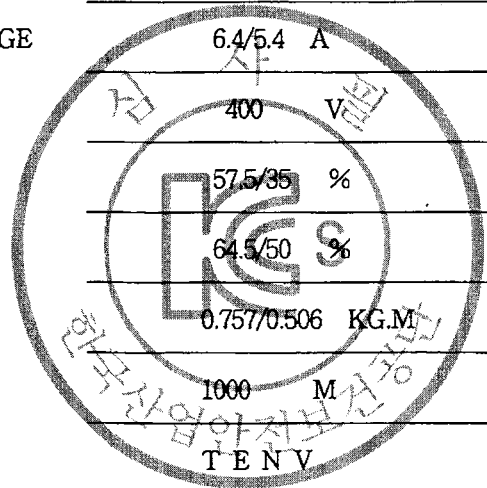
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 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	1.6/1.8 A
12. STARTING CURRENT AT RATED VOLTAGE	64/5.4 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 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



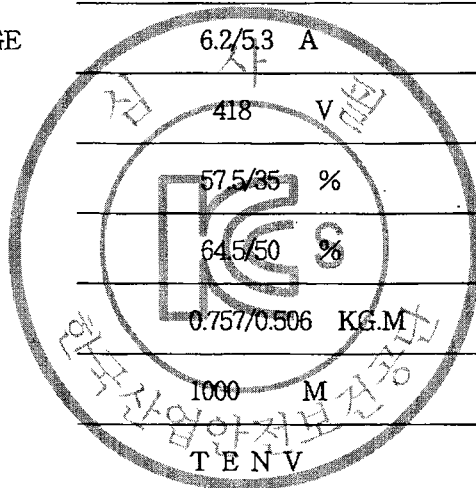
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 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	1.5/1.72 A
12. STARTING CURRENT AT RATED VOLTAGE	6.2/5.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KGM
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



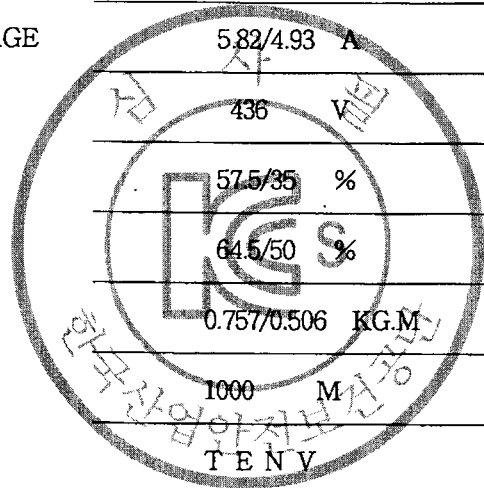
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 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	1.4/1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	5.82/4.93 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
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 TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



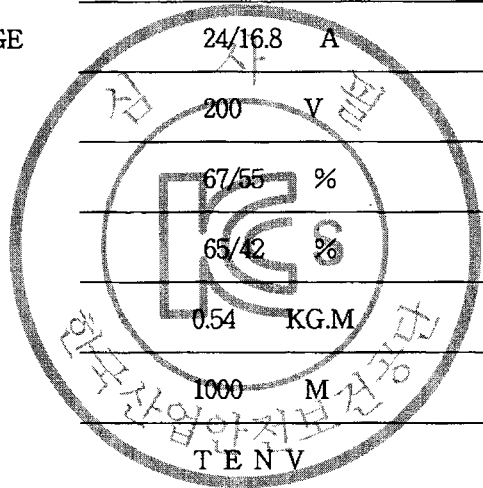
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.8/0.4 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 °C
10. FULL LOAD SPEED	1710/810 RPM
11. FULL LOAD CURRENT	4.8/4.54 A
12. STARTING CURRENT AT RATED VOLTAGE	24/16.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	67/55 %
15. POWER FACTOR AT 100% RATED LOAD	65/42 %
16. STARTING TORQUE	0.54 KG.M
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 TEMPURE	40 °C
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	90 L
4. RATED POWER	0.8/0.4 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	1710/810 RPM
11. FULL LOAD CURRENT	2.78/2.62 A
12. STARTING CURRENT AT RATED VOLTAGE	13.89/9.72 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	67/55 %
15. POWER FACTOR AT 100% RATED LOAD	65/42 %
16. STARTING TORQUE	0.54 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

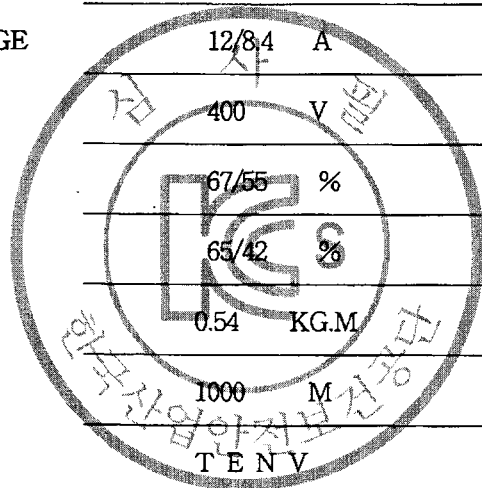
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.8/0.4 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	1710/810 RPM
11. FULL LOAD CURRENT	2.4/2.27 A
12. STARTING CURRENT AT RATED VOLTAGE	12/8.4 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	67/55 %
15. POWER FACTOR AT 100% RATED LOAD	65/42 %
16. STARTING TORQUE	0.54 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

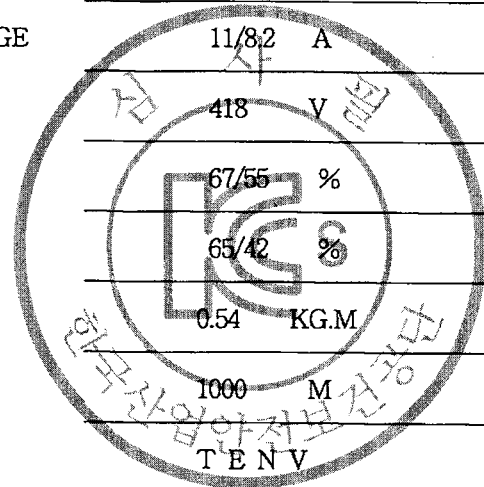


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.8/0.4 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	1710/810 RPM
11. FULL LOAD CURRENT	2.3/2.17 A
12. STARTING CURRENT AT RATED VOLTAGE	11/8.2 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	67/55 %
15. POWER FACTOR AT 100% RATED LOAD	65/42 %
16. STARTING TORQUE	0.54 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



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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	0.8/0.4 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	1710/810 RPM
11. FULL LOAD CURRENT	19/1.75 A
12. STARTING CURRENT AT RATED VOLTAGE	9.4/1.1 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	67/55 %
15. POWER FACTOR AT 100% RATED LOAD	65/42 %
16. STARTING TORQUE	0.54 KG-M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



Manho Rope & Wire Ltd.

Registered by

Manufacture
1080-11, SONGJONG-DONG, GANGSEO-KU,
USAN, ALHGA
TEL : 02-51-631-5811-6
FAX : 02-51-631-5817

AMERICAN BUREAU OF SHIPPING
LLOYD'S REGISTER OF SHIPPING
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NIPPON KAISEN KAISHA
DET NORSKE VERITAS
GERMANISCHER LLOYD
RINA SOCIETA ITALIANA NAVALE
DEUTSCHE VEREINIGUNG

Sheet No. 20110-415-01
Date MAY. 31, 2011

MILL TEST CERTIFICATE

Customer : ALHGA
Supplier : Manho ROPE & WIRE LTD.
L/C No. :
Contract : GALVANIZED STEEL WIRE ROPE
Construction : 6X19 FC
Specification : KS K5514
Order Quantity : 2,000.00 m
Gross Weight :
Grade : 180 N5/mm
Lubrication : DRY
Reel No. :
Net Weight : 488.00 Kgs

TEST RESULT

Rope Dia. 8.00 (Actual) 8.050 mm Performing :
Kind of Lay R.H. R.L. Length of Lay 30.00 mm
Actual Breaking strength of Wire Rope 3,900.00 Kgs
Nominal Dia. of Wire :
Tensile Strength of Wires Min 184 Max 189 kg/mm²
Number of Torsion of Wires Min 30 Max 30 turns
Weight of Zinc Coating 54.200 g/m²

CHEMICAL ANALYSIS OF WIRE ROD

Heat No.	C	Si	Mn	P	S
SA18527	0.6282	0.193	0.758	0.0020	0.0071

REMARKS



MHS-B102-31

Manho Rope & Wire Ltd.

Quality Control Dept

(203X280)

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한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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