



제 2014 - 25799 호

안 전 인 증 서

(사업장명)

극동호이스트(주)

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

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

_____ 품 목 _____
호이스트

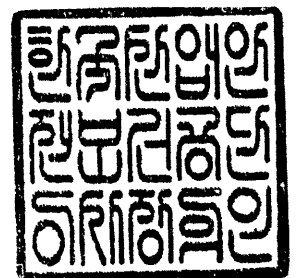
_____ 형식,모델(용량,등급)/인증번호 _____
KDC5/1-MA (5/1Ton) /14-AQ2AC-02275

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

_____ 인 증 조 건 _____
인증유효기간 :

2014년 07월 11일

한국산업안전보건공단이사장





심사결과 통지서

신 청 인	사업장명	극동호이스트(주)	사업장 관리번호	134-81-013350
	사업자등록번호	134-81-01335	대표자 성명	최성찬
	소재지	(425 - 833) 경기도 안산시 성곡동630-2 반월공단 B-607-14		
안전인증대상 기계·기구명				
호이스트				
형 식 (규 격)		KDC5/1-MA	용 량 (등 급)	5/1 Ton

산업안전보건법 제 34조 및 같은 법 시행규칙 제58조의4에 따라 실시한

☐ 예비심사

☒ 서면심사

☐ 기술능력 및 생산체계 심사

☐ 개별 제품심사

☐ 개별 제품심사(제작중)

☐ 형식별 제품심사

결과가 ☒ 적 합
☐ 부적합

함을 통지합니다.

2014년 07월 07일

인증심사원

강성두 변명수

(서명 또는 인)

한국산업안전보건공단 경기서부지사장



서 면 심 사 서 류

형식 번호 : KDC5/1-MA

극 동 호 이 스톱 (주)

工場 : 경기도 안산시 단원구 해봉로 119 (정공동)

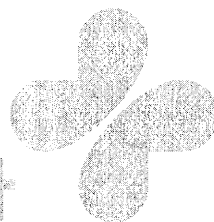
電話 : 031) 491 - 5311

FAX : 031) 494 - 5315

산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



동일 형식 일람 표

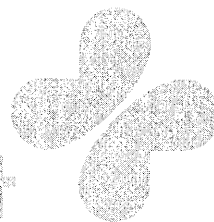
사업장명	극동호이스트(주)	개정일자 및 번호	2014년6월23일	인증번호	
형식 및 모델	모 델	동일 형식 인정범위 및 내역			비 고
		권상속도 (m/min)	회행속도 (m/min)	양정 (m)	
	KDC5/1-L12-MA	MAIN(5T) 고속: 5.6M/MIN CREEP: 0.56M/MIN	고속: 24M/MIN 저속: 16M/MIN	12	
	KDC5/1-L18-MA			18	
	KDC5/1-L24-MA	AUX(1T) 고속: 12M/MIN CREEP: 1.2M/MIN		24	
	KDC5/1-L30-MA			30	



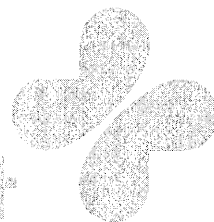
산업안전보건공단
KOSHA

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

1. 사 양 서



1) 호이스트 설계 조건



호 이 스톱 설 계 조 건

항 목			내 용	
모 델 명			KDC5/1 - L12(18,24) -MA	
품 명			이중 레일식 와이어 호이스트	
정격하중	주 권	정격하중	5 TON	-
		시험하중	6.25 TON	-
	보 권	정격하중	-	1 TON
		시험하중	-	1.25 TON
달기구	종 류	SINGLE HOOK & DOUBLE HOOK		
	자체하중	0.05	0.01	
양 정 (LIFT)		12,18,24 M		
호이스트 (HOIST)	HIGH	SPEED	5.6/0.56 M/MIN	12/1.2 M/MIN
		MOTOR	5.5/1.0 KW x 6P	2.4/0.4 KW x 4P
	BRAKE		D.C MAGNET DISC BRAKE	
TRAVERSING	HIGH	SPEED	24 M/MIN	
		MOTOR	0.75KW x 4P	
	LOW	SPEED	16 M/MIN	
		MOTOR	0.6KW x 6P	
	BRAKE		D.C MAGNET DISC BRAKE	
WIRE ROPE		(6x37) Ø12.5 x 4 FALLS	Ø8 x 2 FALLS	
POWER SOURCE	MAIN		AC Ø3 x 120V (380,440,+60 480V) x 60Hz	
	CONTROL		AC Ø1x 110V(120V) x 60Hz	
CONTROL METHOD		F.L 2 PUSH BUTTON 조작방식		
방 호 장 치		과부하방지장치, 과전방지장치, HOOK 해치장치, 횡행STOPPER, 비상정지장치		
사 용 용 도		창고용 , 정비용 , 일반화물 인양작업		
설 치 위 치		☒ 옥 내 ☒ 옥 외		
하중을 받는 회수		1.2x10 ⁵ 회 2.5x10 ⁵ 회 미만		
사 용 조 건		정격하중 63% 이하의 하중용 HOIST		
주 위 온 도		-10 ~ 40℃ 이내		
방 폭 구 조 사 용 유 무		☐ 유 ☒ 무		

호 이 스톱 설 계 조 건

항 목			내 용	
모 델 명			KDC5/1 - L30 -MA	
품 명			이중 레일식 와이어 호이스트	
정격하중	주 권	정격하중	5 TON	-
		시험하중	6.25 TON	-
	보 권	정격하중	-	1 TON
		시험하중	-	1.25 TON
달기구	종 류	SINGLE HOOK & DOUBLE HOOK		
	자체하중	0.05		0.01
양 정 (LIFT)		30 M		
호이스트 (HOIST)	HIGH	SPEED	5.6/0.56 M/MIN	12/1.2 M/MIN
		MOTOR	5.5/1.0 KW x 6P	2.4/0.4 KW x 4P
	BRAKE		D.C MAGNET DISC BRAKE	
TRAVERSING	HIGH	SPEED	24 M/MIN	
		MOTOR	0.75KW x 4P (2 UNIT)	
	LOW	SPEED	16 M/MIN	
		MOTOR	0.5KW x 6P (2 UNIT)	
	BRAKE		D.C MAGNET DISC BRAKE	
WIRE ROPE		(6x37) ø12.5 x 4 FALLS	ø8 x 2 FALLS	
POWER SOURCE		MAIN	AC ø3 x 20V (380/440/480V) x 60Hz	
		CONTROL	AC ø1x 110V(20V) x 60Hz	
CONTROL METHOD		F.L 2 PUSH BUTTON 조작방식		
방 호 장 치		과부하방지장치, 과전방치장치, HOOK 해제장치 횡행STOPPER, 비상정지장치		
사 용 용 도		창고용 , 정비용 , 일반화물 인양작업		
설 치 위 치		☒ 옥 내 ☒ 옥 외		
하중을 받는 회수		1.2x10 ⁵ 회 2.5x10 ⁵ 회 미만		
사 용 조 건		정격하중 63% 이하의 하중용 HOIST		
주 위 온 도		-10 ~ 40℃ 이내		
방 폭 구 조 사 용 유 무		☐ 유 ☒ 무		

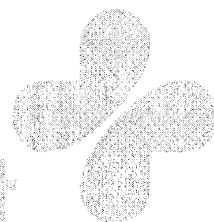
5) 방호장치의 성능검사 합격증 사본



산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



제 2012-BJ-0009 호



안 전 인 증 서

정호엔지니어링

경기도 광명시 노동사동 440-5

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

품 목

양중기용 과부하방지장치

형식·모델/용량·등급/인증번호

형식·모델
JDL-100

용량·등급
J-2

인증번호
12-AV2BJ-0009

인 증 기 준

방호장치 의무안전인증 고시(고용노동부고시 제2010-36호)

인 증 조 건

아래 주소에서 생산되는 제품에 한함.
정호엔지니어링, 경기도 광명시 노동사동 440-5



한국산업안전보건공단 이사장

1-안전인증서.jpg 123 KB

산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

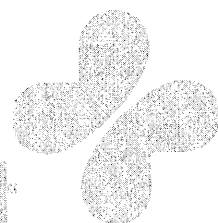
2. 도 면



산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



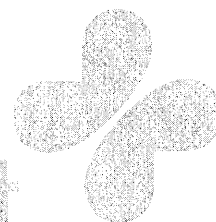
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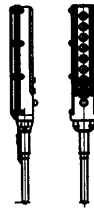


산업재해예방

안전보건공단

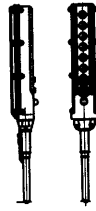
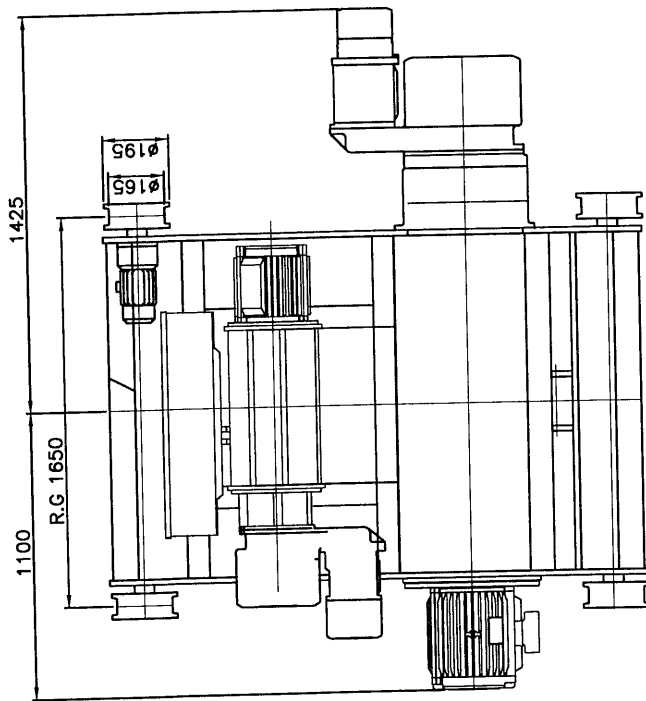
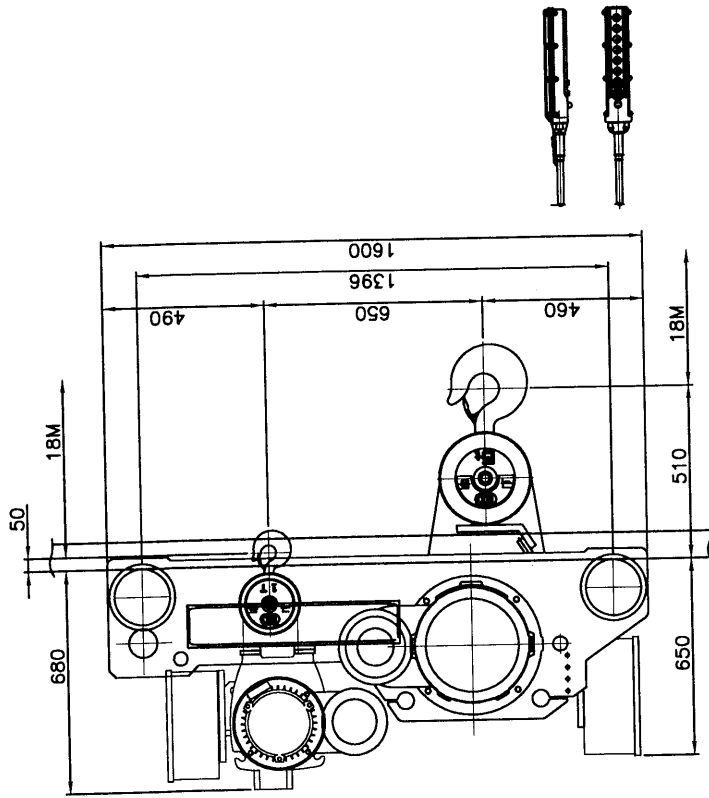
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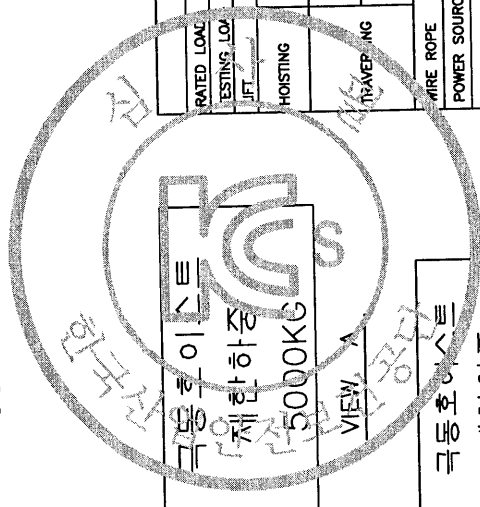
5	T/S RAIL	-		-				15KG/M
4	UPPER LIMIT S/W	SS400		1				
3	SAFETY LATCH	SS400		1				
2	EMERGENCY S/W	-		1				
1	LOAD LIMITER	-		1				
NO.	DESCRIPTION	M'T'L	SUB QTY		SUB TOTAL	TOTAL WEIGHT(Kg)		REMARKS.
			SUB	TOTAL		SUB	TOTAL	
PROJECT						DATE		DIM
								mm
TITLE	KDC5/1-L12-MA				SCALE		PROJECTION	
	ARRANGEMENT DRAWING FOR HOIST				A3/20		3rd	
DRAWN	DESIGNED	CHECKED	APPROVED	REF. DRAWING				
 KUDONGHOIST CO., LTD.			SHEET No.		DWG No.		KDC51120	

VIEW B



5	T/S RAIL	-	-	-	15KG/M	
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SS400	1			
2	EMERGENCY S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	WEIGHT(KG)	REMARKS.
PROJECT						
TITLE						
DRAWN						
DESIGNED						
CHECKED						
APPROVED						
DATE						
SCALE						
PROJECTION						
REF. DRAWING						
KDC5/1-L18-MA						
ARRANGEMENT DRAWING FOR HOIST						
A3/20						
3rd						

SPECIFICATION			
RATED LOAD	5000 KG	1000 KG	
TESTING LOAD	6250 KG	1250 KG	
JIFT	18 M		
HOISTING	SPEED 5.6 / 0.56M/MIN	12 / 1.2M/MIN	
	MOTOR 5.5 / 1.0 KWx6P	2.4 / 0.4 KWx4P	
	SPEED 24 M/MIN		
	MOTOR 0.75KW x 4P		
	SPEED 16 M/MIN		
	MOTOR 0.5KW x 6P		
	(6x37) #12.5x4FALLS	#8x2FALLS	
WIRE ROPE	AC#3	220,380,440,480V	60Hz
POWER SOURCE	15 KG/M		
TRAVERING RAIL	1450 KG		
GROSS WEIGHT			



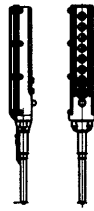
극동호이스트
제한하중
1000KG

VIEW B

산업재해예방
안전보건공단

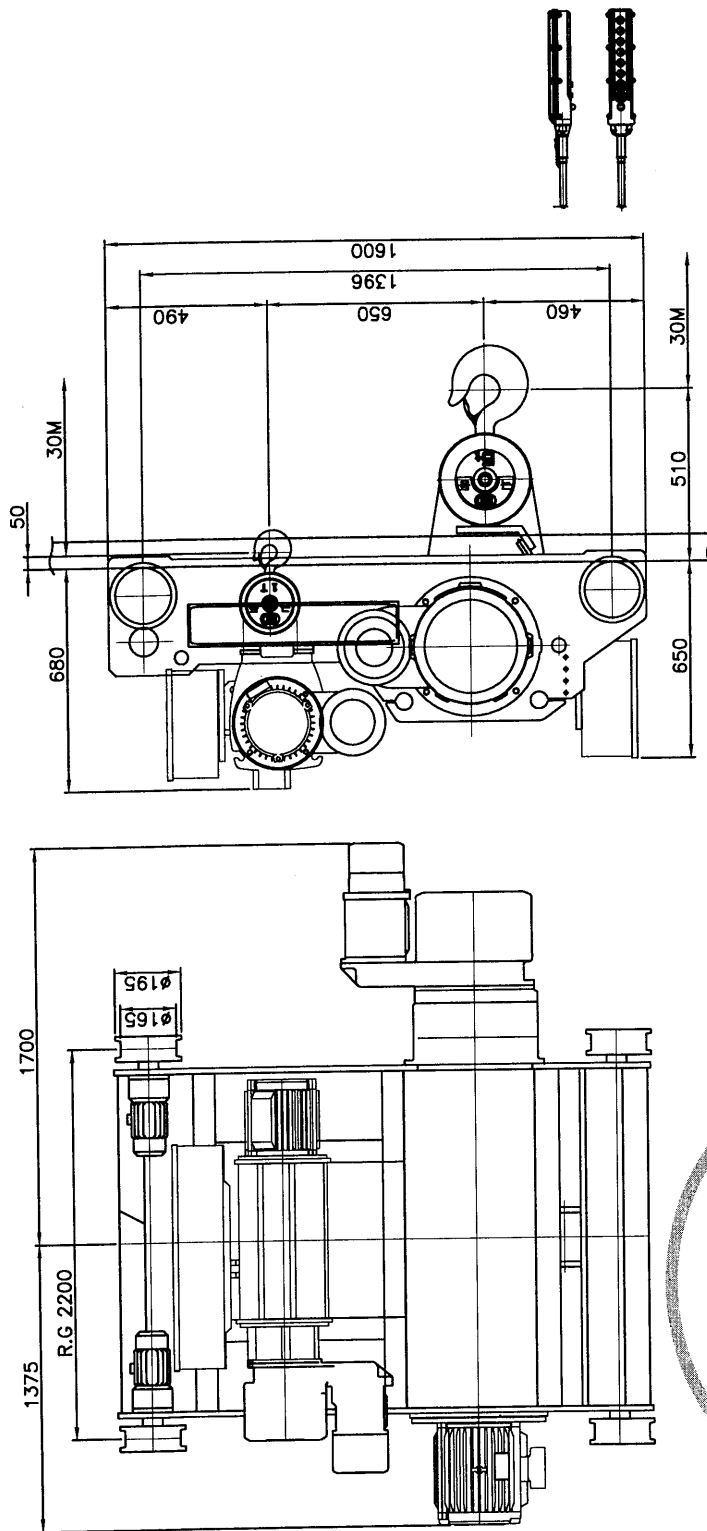
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY





SPECIFICATION			
RATED LOAD	5000 KG	1000 KG	
TESTING LOAD	6250 KG	1250 KG	
JFT	24	M	
HOISTING	SPEED	5.6 / 0.56 M/MIN	12 / 1.2 M/MIN
	MOTOR	5.5/ 1.0 KWx6P	2.4 / 0.4 KWx4P
	SPEED	24	M/MIN
TRAVELLING	MOTOR	0.75KW x 4P	
	SPEED	16	M/MIN
	MOTOR	0.5KW x 6P	
WIRE ROPE	(6x37) #12.5x4FALLS		#8x2FALLS
POWER SOURCE	AC#3 220,380,440,460,480V 60Hz		
TRAVERSING RAIL	15	KG/M	
GROSS WEIGHT	1800	KG	

VIEW B



NO.	DESCRIPTION	MT'L	SUB QTY	TOTAL QTY	SUB WEIGHT(KG)	TOTAL WEIGHT(KG)	REMARKS.	DATE		DIM	
5	T/S RAIL	-	-	-	-	-	15KG/M			mm	
4	UPPER LIMIT S/W	SS400	1							SCALE	PROJECTION
3	SAFETY LATCH	SS400	1							A3/20	3rd
2	EMERGENCY S/W	-	1							REF. DRAWING	
1	LOAD LIMITER	-	1								
PROJECT											
TITLE											
KDC5/1-L30-MA											
ARRANGEMENT DRAWING FOR HOIST											
DRAWN											
DESIGNED											
CHECKED											
APPROVED											
SHEET No.											
DWG No.											
KDC51300											

SPECIFICATION			
RATED LOAD	5000 KG	1000 KG	
TESTING LOAD	6250 KG	1250 KG	
LIFT	30 M		
HOISTING	SPEED	5.6 / 0.56M/MIN	12 / 1.2M/MIN
	MOTOR	5.5/ 1.0 KWx6P	2.4 / 0.4 KWx4P
TRAVELING	SPEED	24 M/MIN	
	MOTOR	0.75KW x 4P (2 UNIT)	
WIRE ROPE	SPEED	16 M/MIN	
	MOTOR	0.5KW x 6P (2 UNIT)	
POWER SOURCE	(6x37) #12.5x4FALLS	#8x2FALLS	
	AC43 220,380,440,480V	60Hz	
TRAVERSING RAIL	15 KG/M		
	1750 KG		

극동호이스트
제한하중
5000KG
VIEW. A

극동호이스트
제한하중
1000KG
VIEW. B



2) 전 기



[illegible]

DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS
WIRE INTERNAL TO ENCLOSURE		CONTROLLER OR REMOTE CONTROLLER CONTACTOR		SOLENOID COIL	
WIRE EXTERNAL TO ENCLOSURE		UPPER LIMIT SWITCH (LS-II)		RESISTOR	
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	
1/2 JG & RECEPTACLE		BUZZER		SURGE ABSORBER	
M GNI TC CONTACTOR COIL		AMMETER		LOAD CELL	
AUX. RELAY		VOLT METER		BALLAST WITH RECEPTACLE	
		FLUORESCENCE LAMP		FAN	

[illegible]

ELECTRICAL SPECIFICATION

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

CONTROL SOURCE : AC 1 Φ 110V 60Hz

	MOTOR OUTPUT	220V		380V		440V	460V	480V	440, 460, 480V	BRAKE	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN	5.5KW x 6P 30 MIN	28.20 A	VCT 10sq	16.30 A	VCT 6sq	14.1 A	13.5 A	12.9 A	VCT 6sq	DC MAG. BRAKE	
HIGH HOIST	1.0KW x 6P 30 MIN	6.70 A	VCT 4.0sq	3.90 A	VCT 4.0sq	3.3 A	3.2 A	3.1 A	VCT 4.0sq	DC MAG. BRAKE	
MAIN	2.4KW x 4P 30 MIN	10.00 A	VCT 4.0sq	5.80 A	VCT 4.0sq	5.0 A	4.8 A	4.6 A	VCT 4.0sq	DC MAG. BRAKE	
HIGH HOIST	0.4KW x 4P 30 MIN	2.70 A	VCT 4.0sq	1.60 A	VCT 4.0sq	1.4 A	1.3 A	1.2 A	VCT 4.0sq	DC MAG. BRAKE	
TRAVERSING	0.75KW x 4P 30 MIN	4.10 A	VCT 4.0sq	2.40 A	VCT 4.0sq	2.00 A	2.00 A	1.90 A	VCT 4.0sq	DC MAG. BRAKE	1 DRIVE
LOW	0.5KW x 6P 30 MIN	3.40 A	VCT 4.0sq	2.00 A	VCT 4.0sq	1.70 A	1.70 A	1.60 A	VCT 4.0sq	DC MAG. BRAKE	1 DRIVE
CONTROL CIRCUIT											
LIGHT	ACC'Y CIRCUIT	2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq		
SUB	LD	34.30 A	VCT 16sq	20.70 A	VCT 6sq	18.10 A	17.50 A	16.80 A	VCT 6sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL	MAL LOAD	33.68 A	VCT 16sq	20.30 A	VCT 6sq	17.80 A	17.20 A	16.50 A	VCT 6sq	I(A)=M/H + T/S + ASS'Y	

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

*. 위 계산은 LIFT 12,18,24M에 적용

ELECTRICAL SPECIFICATION

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

CONTROL SOURCE : AC 1 Φ 110V 60Hz

CONV. MOTOR SOURCE : AC 1 Φ 110V 60Hz												
	MOTOR OUTPUT	220V			380V			440V	460V	480V	BRAKE	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE			
MAIN	5.5KW x 6P 30 MIN	28.20 A	VCT 10sq	16.30 A	VCT 6sq	14.1 A	13.5 A	12.9 A	VCT 6sq	DC MAG. BRAKE		
HIGH HOIST	1.0KW x 6P 30 MIN	6.70 A	VCT 4.0sq	3.90 A	VCT 4.0sq	3.3 A	3.2 A	3.1 A	VCT 4.0sq	DC MAG. BRAKE		
MAIN	2.4KW x 4P 30 MIN	10.00 A	VCT 4.0sq	5.80 A	VCT 4.0sq	5.0 A	4.8 A	4.6 A	VCT 4.0sq	DC MAG. BRAKE		
HIGH HOIST	0.4KW x 4P 30 MIN	2.70 A	VCT 4.0sq	1.60 A	VCT 4.0sq	1.4 A	1.3 A	1.2 A	VCT 4.0sq	DC MAG. BRAKE		
TRAVERSING	0.75KW x 4P 30 MIN	4.10 A	VCT 4.0sq	2.40 A	VCT 4.0sq	2.00 A	2.00 A	1.90 A	VCT 4.0sq	DC MAG. BRAKE	2 DRIVE	
LOW	0.5KW x 6P 30 MIN	3.40 A	VCT 4.0sq	2.00 A	VCT 4.0sq	1.70 A	1.70 A	1.60 A	VCT 4.0sq	DC MAG. BRAKE	2 DRIVE	
CONTROL CIRCUIT		2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq			
LIGHT		ACC'Y CIRCUIT										
SUB	(ID)	23.10 A	VCT 16sq	23.10 A	VCT 6sq	20.10 A	19.50 A	18.70 A	VCT 6sq	I(A)=M/H + T/S + ASS'Y		
SUB TOTAL	(MAL LOAD)	27.00 A	VCT 16sq	23.30 A	VCT 6sq	19.50 A	18.90 A	18.10 A	VCT 6sq	I(A)=M/H + T/S + ASS'Y		

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

*. 위 계산은 LIFT 30M에 적용.

■ 보호본딩회로의 연속성 확인

시험전선의 최소유효 단면적(mm ²)	최고 전압 강하(V)
1.0	3.3
1.5	2.6
2.5	1.9
4.0	1.4
>6.0	1.0

① 보호본딩회로의 연속성의 검증은 PELV전원(50/60Hz)에서 최소 10A 이상의 전류를 10초 이상의 인가에 의한다.

시험은 PE단자와 보호본딩회로의 여러지점 사이에서 이루어진다.

② PE단자와 시험 지점 사이에서 측정된 전압은(표 참조) 값을 초과해서는 아니된다.

■ 절연저항 시험

전원선과 보호본딩선 사이를 직류 500V로 측정된 절연저항 값은 1MΩ 이상이어야 한다.

■ 압 시험

① 압에서 작동되도록 설계된 전기장치의 회로를 제외한 모든 회로와 보호본딩회로의 전선 사이에 1초 이상 속되는 다음의 시험 전압에 견딜수 있어야 한다.

- 장치의 정격전압의 두배 또는 1,000V 중 큰값의 전압

② 이 시험을 견딜수 없도록 설계된 부품은 시험이 진행되기 전에 차단하여야 한다.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
															NO	DESCRIPTION		CABLE SIZE	
															1	MAIN EARTH LINE		USER SCOPE	
															2	POWER SOURCE		USER SCOPE	
															3	TROLLEY BAR		USER SCOPE	
															4	POWER SOURCE WITH EARTH		USER SCOPE	
															5	HOST POWER SOURCE WITH EARTH		VCT 16.0SQ x 1C	
															6	5T HOST POWER SOURCE WITH EARTH		VCT 10.0SQ x 1C	
															7	5T CREEP HOISTING MOTOR WITH EARTH		VCT 4.0SQ x 1C	
															8	1T CREEP POWER SOURCE WITH EARTH		VCT 4.0SQ x 1C	
															9	1T CREEP HOISTING MOTOR WITH EARTH		VCT 4.0SQ x 1C	
															10	TRAVELING MOTOR WITH EARTH		VCT 4.0SQ x 1C	

* CV CABLE 4C 종 1C는 EARTH로 사용함.

- NOTE —
 1. 전동기 외함, 제어반의 프레임 등은 접지하
 여 그 접지 저항은
 400V 미만 : 100옴 이하일것.(3종 접지)
 400V 이상 : 10옴 이하일것.(특 3종접지)

2.MAIN S/W BOX는 3종 접지 요.

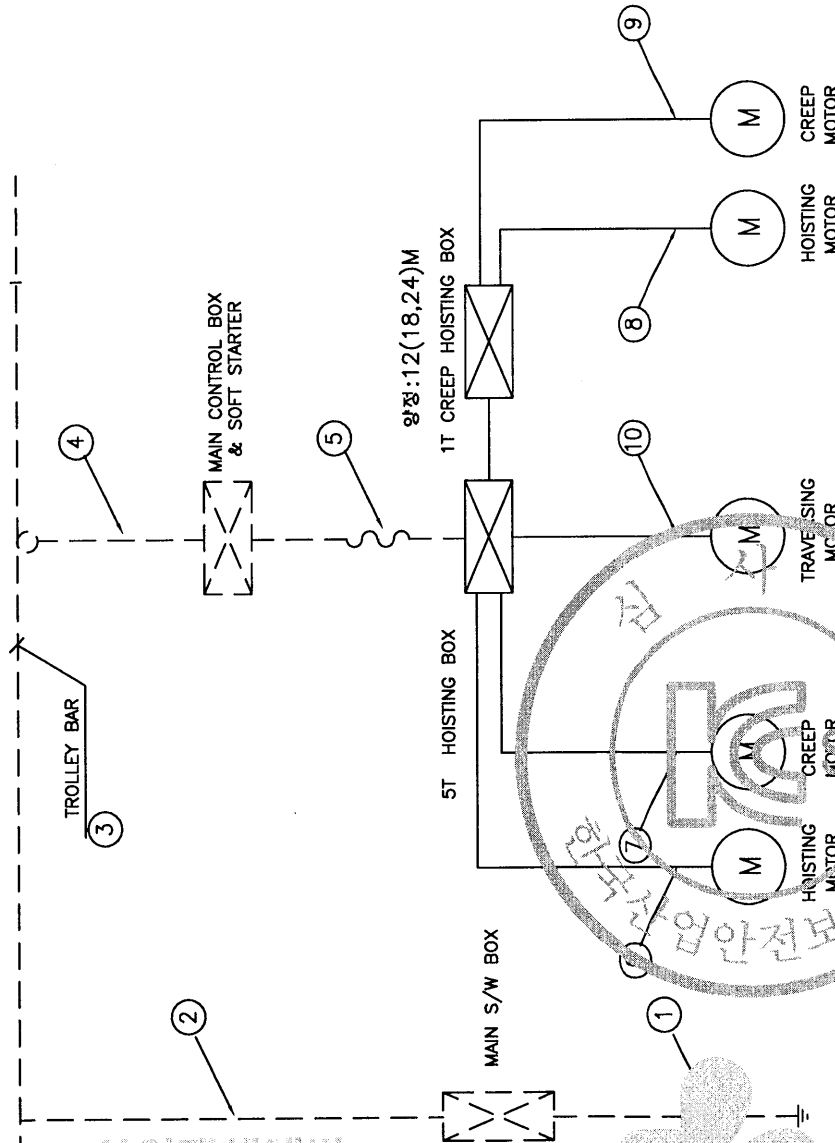
동전위접지

1. 전기장비와 기계의 노출된 모든 도전부는 보호전위회로에 연결되어야 하며
 적절한 접지연속성 기능이 유지되어야함.
 2. 보호전위회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

— — — — — USER SCOPE

————— KUKDONG SCOPE



산업재해예방
안전보건공단
 KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
EARTH DETAILS DRAWING						
 KUKDONG HOIST CO., LTD.						KDC5,1-EC00
CUSTOMER	DRAWING TITLE	REVISIONS	CHK.	APP.	DATE	

* CV CABLE 4C중 1C는 EARTH로 사용함.

- NOTE -

1. 전동기 외함, 제어반의 프레임 등은 접지하

400V 미만 : 100오옴 이하일것.(3종 접지)

400V 이상 : 10오옴 이하일것.(북 3종접지)

2.MAIN S/W BOX는 3종 접지 요.

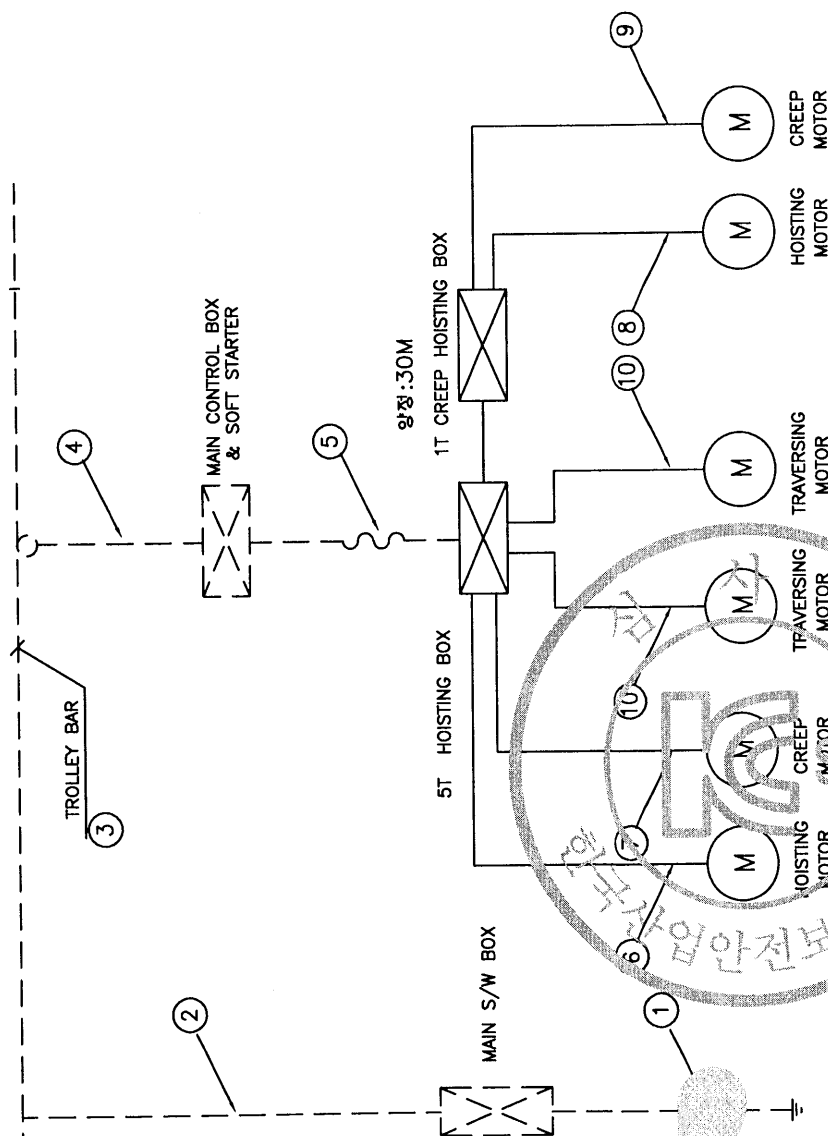
동원약품지

1. 전기장비와 기계의 노출된 모든 도선부는 보호분회로에 연결되어야 하며 적절한 접지연속성 기 능이 유지되어야 함.
2. 보호분회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

USER SCOPE

KUKDONG SCOPE

[illegible]

본 도면은 EARTH를 명하기 위한 도면으로서
실제 네치와 다를 수 있으며 HOIST
EARTH용 CABLE은 REFERENCE
*3중 전지공사 100 이하 (AC 3PH 400V 미만)
*4중 전지공사 100 이하 (AC 3PH 400V 이상)

독립의정서

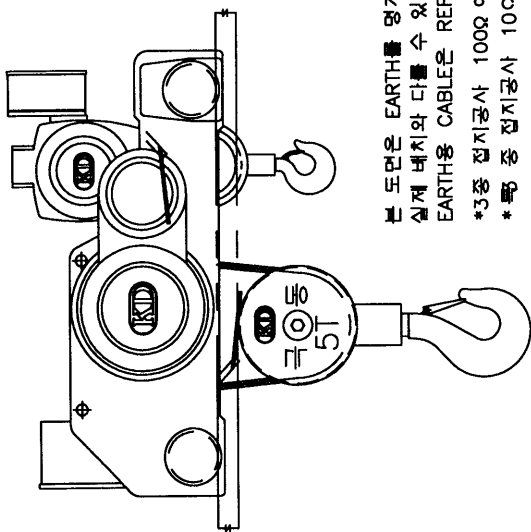
1. 전기장비와 기계의 노출된 모든 도선에는 보호분리회로에 연결되어야 하며 적절한 절지연속 기둥이 유지되어야함.
2. 보호분리회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

NO	CABLE				REMARK
	TYPE	SIZE	TYPE	SIZE	
	VCT	220V	3P3W	440V,460V,480V	
1	VCT	10sqx3c	6sqx3c	VCT	M/H MOTOR WITH EARTH
	CREEP	4.0sqx4c	4.0sqx5c		
2	VCT	4.0sqx4c	4.0sqx5c	VCT	A/H MOTOR WITH EARTH
	CREEP	4.0sqx4c	4.0sqx5c		
3	VCT	4.0sqx4c	4.0sqx4c	VCT	A/H POWER WITH EARTH
4	VCT	4.0sqx4c+2.5sqx3c			T/S MOTOR WITH EARTH
5	VCT	4.0sqx4c	6sqx4c	VCT	MAIN POWER WITH EARTH

[illegible]

* 양성 30M: 윙형모터 2UNIT



*3중 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*4중 접지공사 10Ω 이하 (AC 3PH 400V 이상)

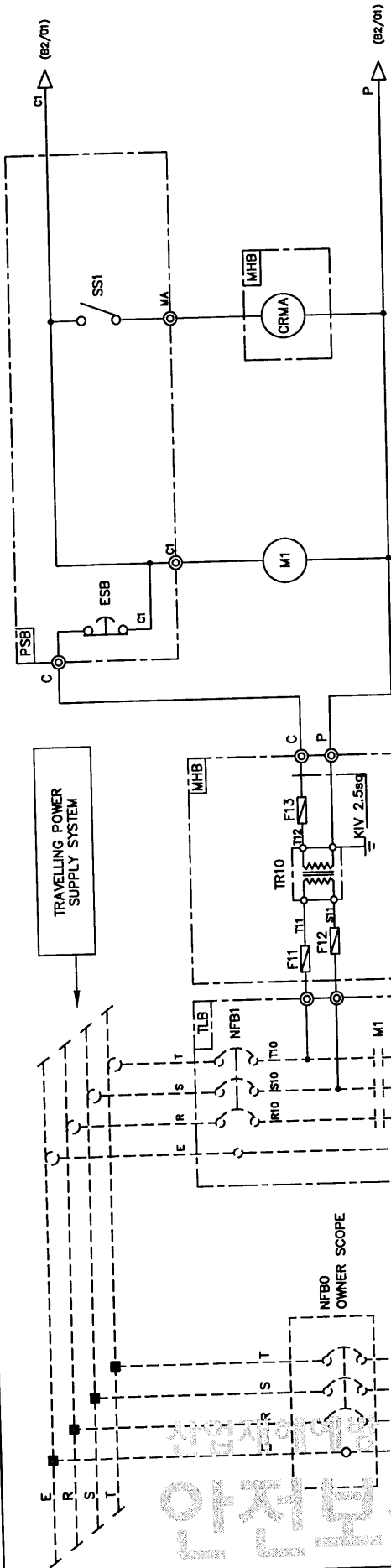
2. 보호본당회포에는 거폐기, 과전투보호장수가 부락되지 않아야 한다.

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

NO	TYPE	CABLE			REMARK
		SIZE		TYPE	
		22KV	35KV		
1	VCT	40sq4c	6sqx5c	VCT	6sqx5c
		4.0sqx4c	4.0sqx5c		4.0sqx5c
		40sq4c	4.0sqx5c	VCT	4.0sqx5c
2	VCT	40sq4c	4.0sqx5c	VCT	4.0sqx5c
		4.0sqx4c	4.0sqx5c		4.0sqx5c
3	VCT	40sq4c	4.0sqx4c	VCT	4.0sqx4c
		4.0sqx4c	4.0sqx4c		4.0sqx4c
4	VCT	4.0sqx4c+2.5sqx3c			T/S MOTOR WITH EARTH
		4.0sqx4c+2.5sqx3c			
5	VCT	6sqx4c			MAIN POWER WITH EARTH
		6sqx4c			

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CONTROL									
TRAVELLING POWER SUPPLY SYSTEM										ON-OFF									
										A1									



CRMA	B2/10
g	B2/12
g	B2/14
g	B2/17
g	B2/11
b	B2/13
b	B2/15
b	B2/18

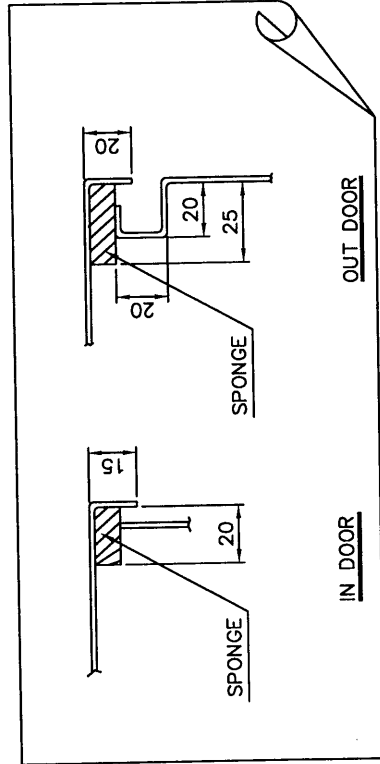
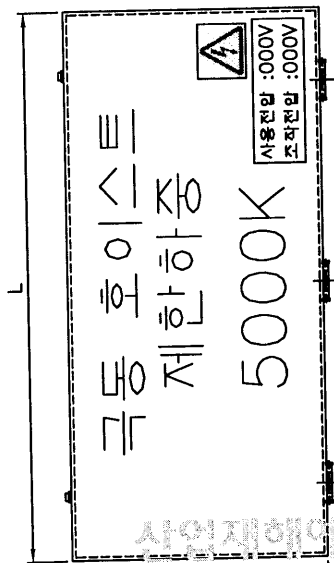
1. --- MARKED OWNER SCOPE
 2. EARTH : 제 3종접지 공사(400V 미만전압 : 100 OHM 이하)
 제 3종접지 공사(400V 이상전압 : 10 OHM 이하)

1. 전선의 색상은 다음과 같다.
 1) 흑색 : 교류 및 직류 전선
 2) 적색 : 교류 전선
 3) 청색 : 교류 전선
 4) 녹색 또는 노란색 : 접지선
 5) 녹색 또는 노란색 : 접지선
 2. 표시등의 색상은 다음과 같다.
 1) 적색 : 비상
 2) 청색 : 비상
 3) 녹색 : 비상
 4) 청색 : 비상
 5) 녹색 : 비상
 6) 청색 : 비상
 7) 녹색 : 비상
 8) 청색 : 비상
 9) 녹색 : 비상
 10) 청색 : 비상
 11) 녹색 : 비상
 12) 청색 : 비상
 13) 녹색 : 비상
 14) 청색 : 비상
 15) 녹색 : 비상
 16) 청색 : 비상
 17) 녹색 : 비상
 18) 청색 : 비상
 19) 녹색 : 비상
 20) 청색 : 비상

SELECTOR	VOLTAGE	F1, F2	TR10	MCB	MS	SB1	SB2	SB3	SB4	SB5	SB6	SB7	SB8	SB9	SB10	SB11	SB12	SB13	SB14	SB15	SB16	SB17	SB18	SB19	SB20
1	220V	2	3A	33AF/40AT	220/110	20V	100VA																		
2	360V	1A	3A	33AF/30AT	480/110	120V	100VA																		
3	440V	1A	3A	33AF/30AT	440	10,120V	100VA																		
4	480V	1A	3A	33AF/30AT	480	110,120V	100VA																		

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUD KUK DONG HOIST CO., LTD.						KDC5/1E001
MAIN POWER 1 & CONTROL CIRCUIT						DWG. NO
DIAGRAM						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE	CHK.	APP.				

A diagram of a rectangular block with four numbered labels. Label 1 points to the top surface, label 2 points to the right side, label 3 points to the bottom surface, and label 4 points to the left side.



1.PROTECTION DEGREE ;

- | |
|--|
| A. INDOOR TYPE : DUST PROOF |
| B. OUT DOOR TYPE : SPLASH PROOF |
| 2.FINAL PAINTING COLOR (MUNSELL NO.) |
| A. IN SIDE : 10B 3/5 |
| B. OUT SIDE : 10B 3/5 |
| 3.PAINTING THICKNESS : ABOVE 40 um |
| 4.APPLICATION VOLTAGE : 220V,380V,440V,460V,480V |
| 5.제어용 전선 : 2.5sq KIV,HIV |
| 6.외함 기법 구조는 다음과 같다. |
| 1) 외함 기법시 충전부분이 차단되도록 한다. |
| 2) 외함 기법 후 충전되어있는 부분은 IP2X 이상의 |
| 지점 접촉 방호가 되어있을것. |

SELECTION	JOIST CAPACITY	DESCRIPTION	IN DOOR		OUT DOOR		REMARK
			B	L	B	L	
5 TO.		NORMAL	360	170	360	170	810
		GREEN	360	170	360	170	810

[illegible]

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	N.F.B	53AF/40AT	1	HOISTING
4	MAGNET CONTACTOR	DMC48C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC65C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	CREEP HOIST
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	CREEP HOIST
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-30	1	CREEP HOIST
11	FUSE	2 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	220V/110V(120V), 100VA	1	
14	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

1) 폭색 : 교류 및 직류 전원선번호 5) 정색 : 직류 제어선번호

2) 적색 : 교류제어선

3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로

4) 녹색 또는 녹색과 황색 혼합 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

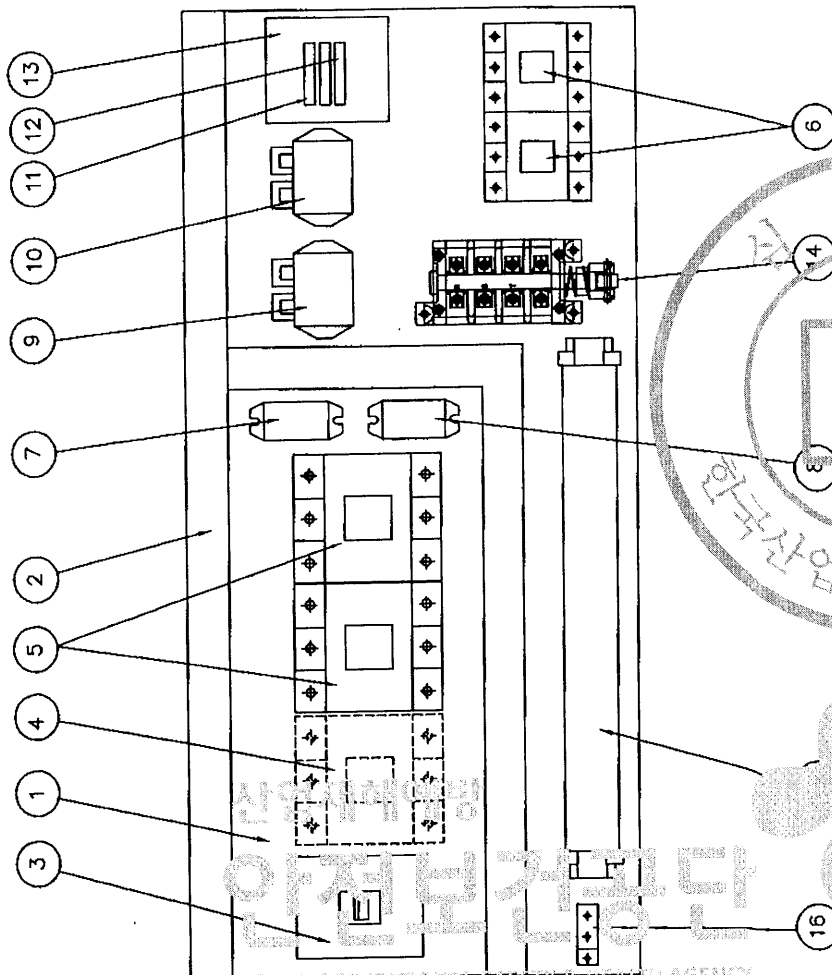
3. 제어용 전선 : 2.5mm KIV,HIV

4. 제자시 다소 변경 될수있음.

5. 외함 개방후 증전부분이 차단되도록 함.

1) 외함 개방후 증전부분이 차단되도록 함.

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



1. UPPER LIMIT LS-1, LS-2의 접점 하단 1.5mm 용량 AC 600V, 75A

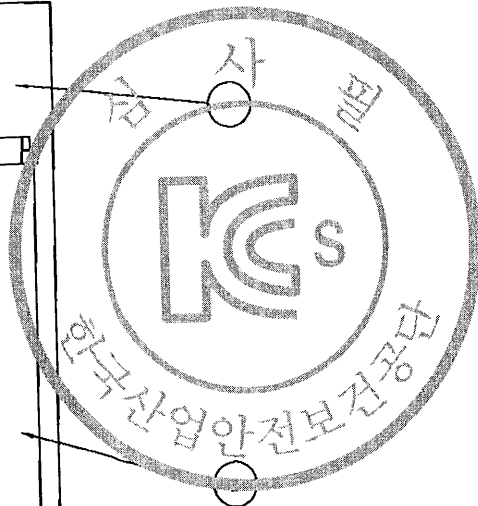
2. POWER SOURCE : AC 3φ 220V 60HZ

3. EARTH TERMINAL RESISTANCE : 0.018Ω



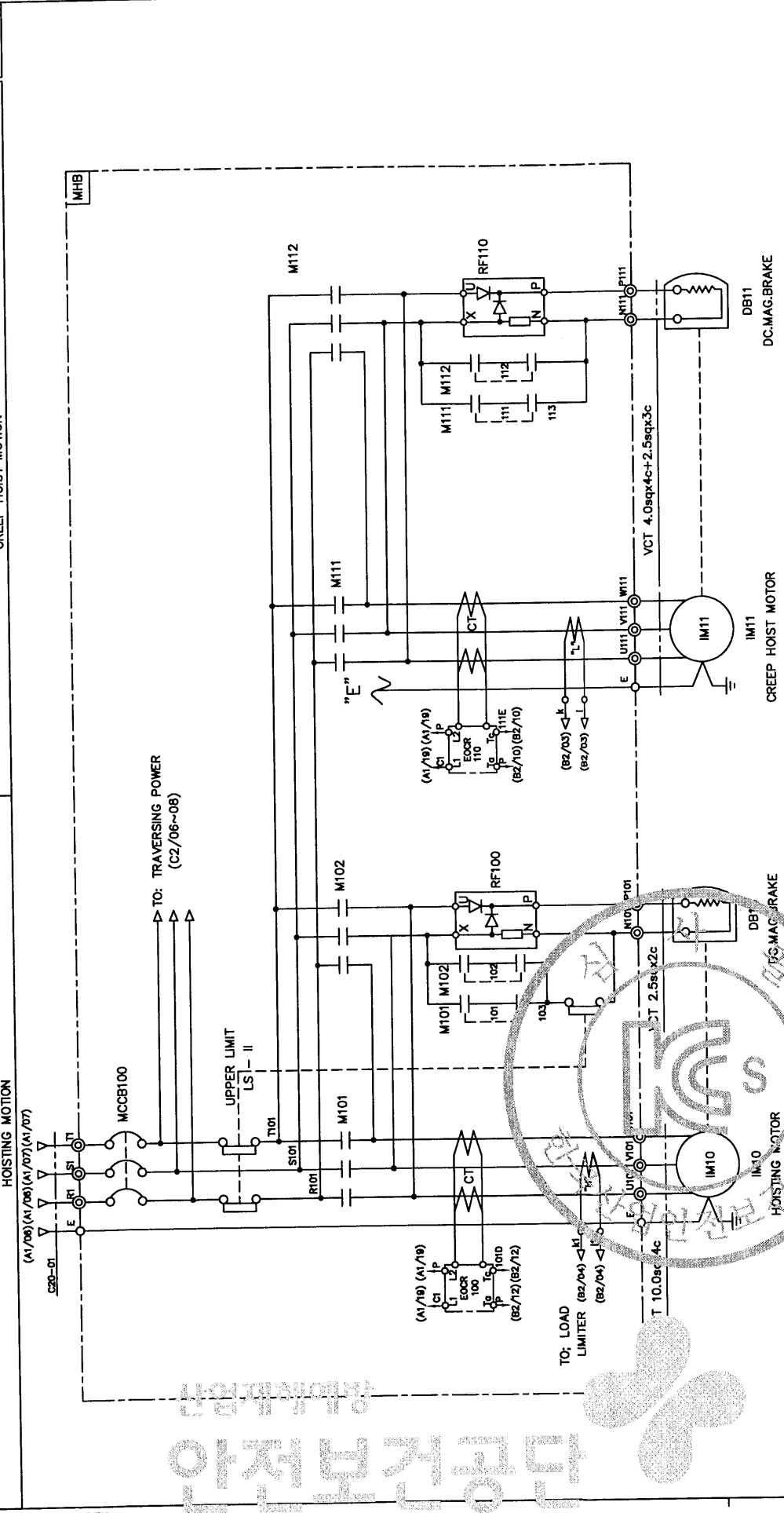
DRWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
CREEP HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
KUDONGHOIST 주식회사 KUK DONG HOIST CO., LTD.						KDC5BA21
DATE	REVISIONS	CHK.	APP.			

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
 K&D	KUDONGHOIST 주식회사 KUK DONG HOIST CO., LTD.			DWG. NO		KDc5bt22
				NONE		



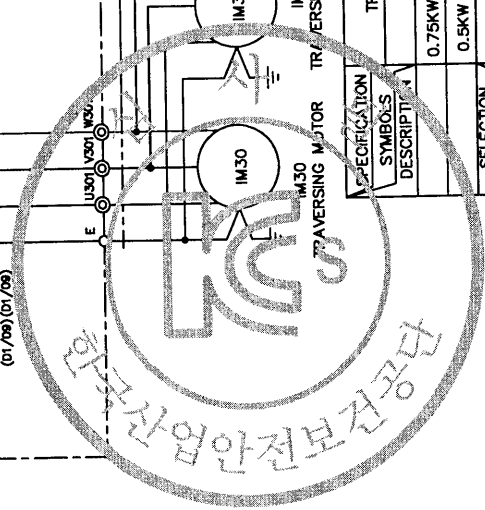
							CUSTOMER	TRAVERSING POWER CONTROL BOX ARRANGEMENT DRAWING
							DRAWING	
							TITLE	
DATE	REVISIONS	CHK.	APP.					
MK								

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									
B1										B1									



SPECIFICATION SYMBOLS		HOISTING MOTOR		CREEP MOTOR		DC MAG. BRAKE		FUSE		TRANSFORMER		MAGNET CONTACTOR		UPPER LIMIT		ELECTRIC OVER CURRENT RELAY		SILICON RECTIFIER		LOAD LIMITER		CABLE	
DESCRIPTION		IM 10		IM 11		DB1		F1, F2		TR10		M101, M102		LS-I, LS-II		EOCR100		RF100		JOL-100		C20-01	
STON AC3PH 220V 60Hz 5.5KWx6P		1.0KWx6P		1.0KWx6P		DC 100V		ABS-53AF/40A		220/110V, 180V, 100V		DMC22C		AC 600V 75A		SS-30		SR-60		JOL-100		VCT16.0sqx4c	
SELECTION MAKER		KUKDONG		LS		SHINHAN		-		-		DONG-A		KUK DONG		ASECO		JUNGHO		DONGIL		-	
CUSTOMER		KUKDONG		LS		SHINHAN		-		-		DONG-A		KUK DONG		ASECO		JUNGHO		DONGIL		-	
DRAWING TITLE		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL		CREEP HOISTING POWER & CONTROL	
REVISIONS		CHK.		APP.		CHK.		APP.		CHK.		APP.		CHK.		APP.		CHK.		APP.		CHK.	
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
MK		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE	
DWG. NO		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22	
ORDER NO.		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22		KDC5E22	

[illegible]

[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	아연 도금
2	CABLE DUCT	-	1	
3	N.F.B	33AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC32C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC48C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	CREEP HOIST
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	CREEP HOIST
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	CREEP HOIST
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	380V/110V(120V), 100VA	1	
14	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

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

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

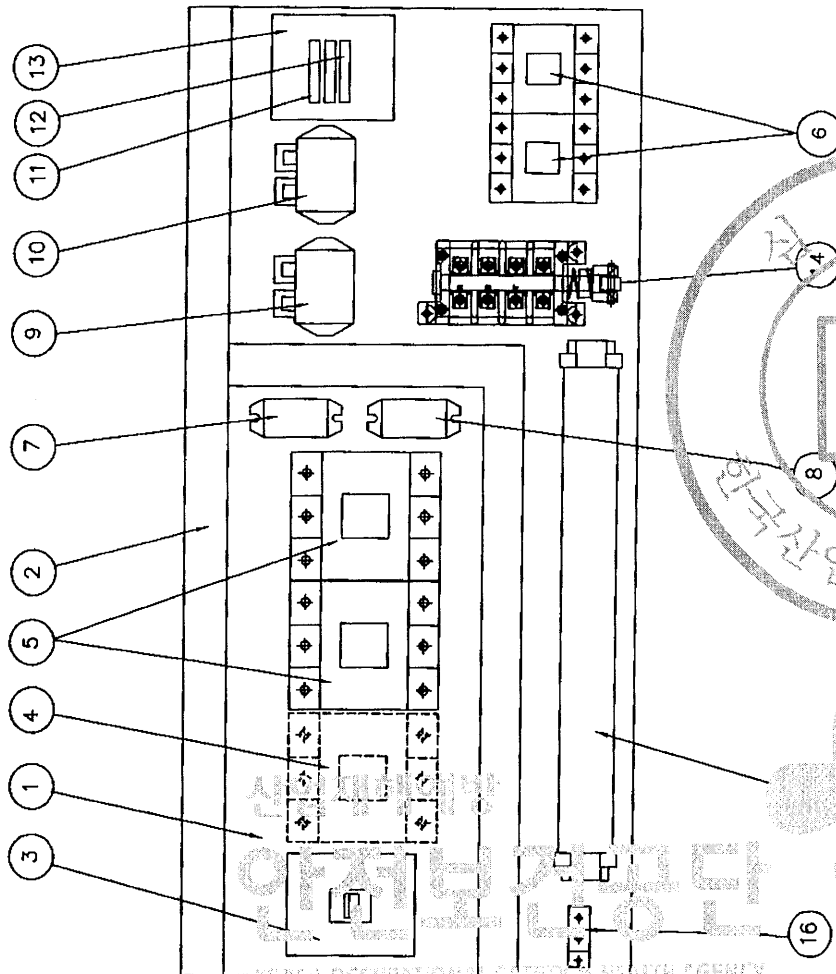
3. 제어용 전선 : 2.5mm KIV/HIV

4. 제라시 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.

5) 황색 : 직류 제어선

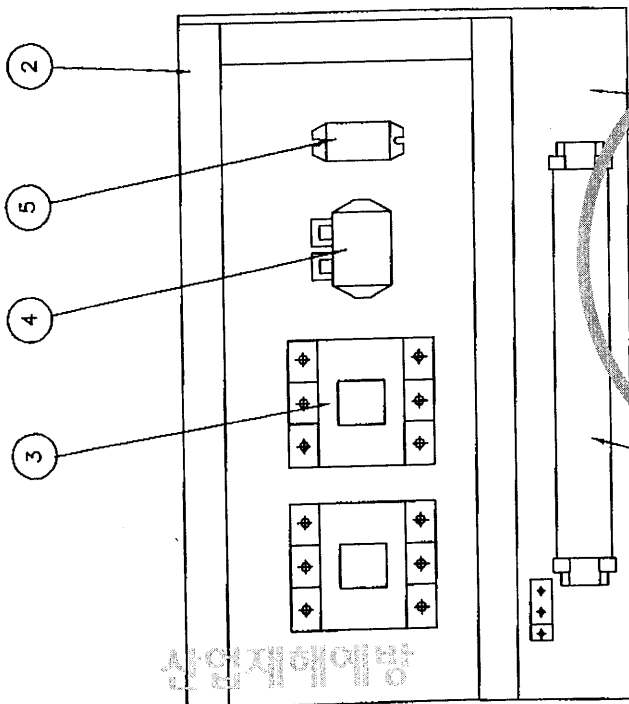


1. LIMIT LS-1, LS-2의 정격 허용 전압 : AC 600V, 75A
2. SOURCE : AC 3φ 380V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω



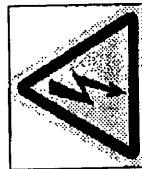
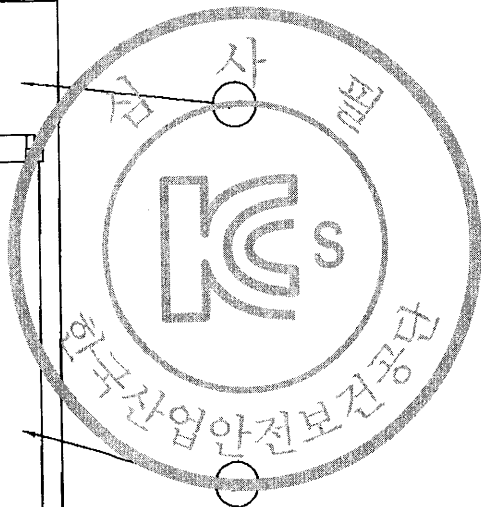
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KUK DONG HOIST CO., LTD.						KDC58A31
ARRANGEMENT DRAWING						
CUSTOMER	CREEP HOIST CONTROL BOX					
DRAWING TITLE						
DATE	REVISIONS	CHK.	APP.			

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																			ADR'S NO.



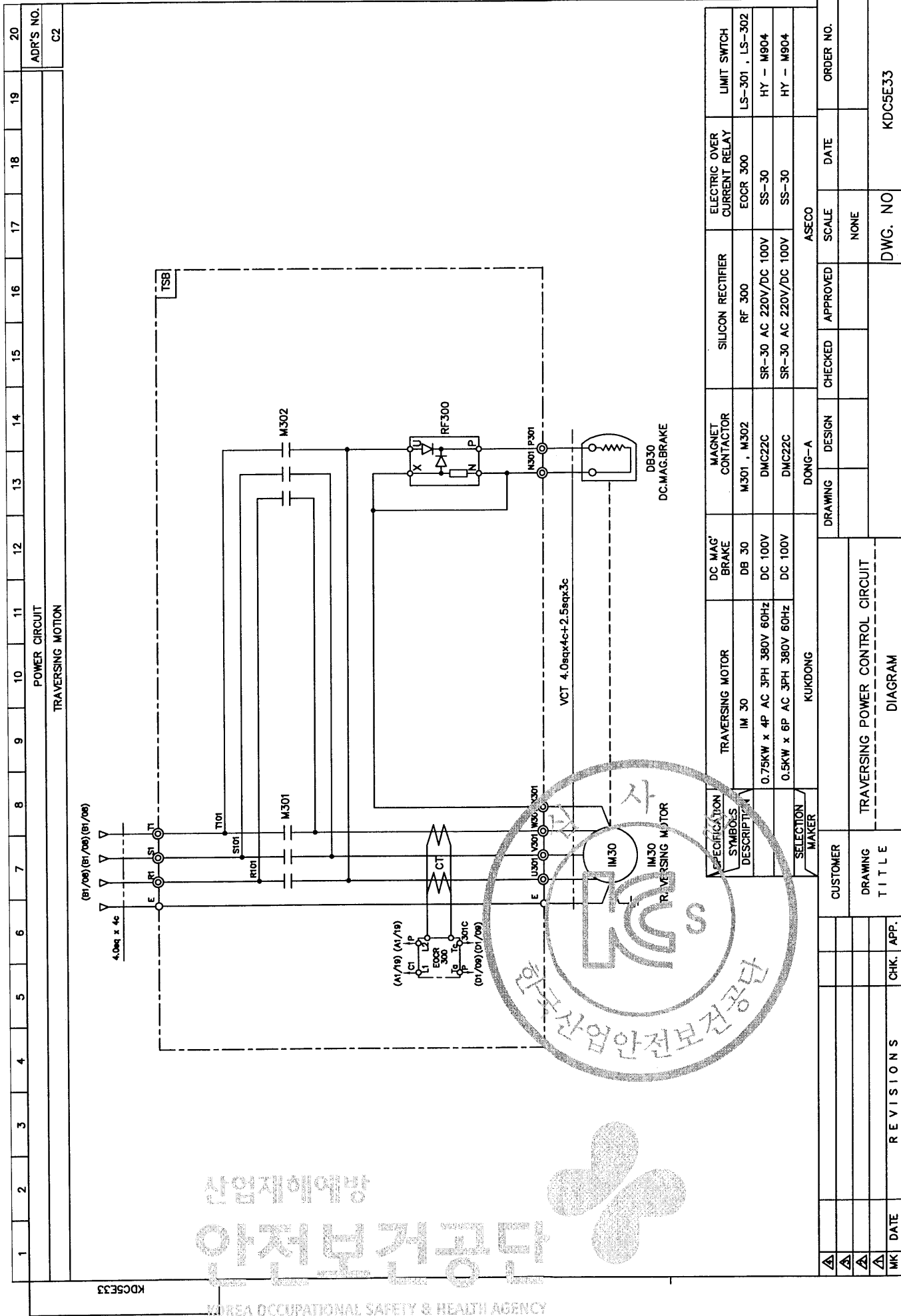
산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 전 도 판
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A , 15A	1	TRAVERSING



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
TRAVERSING POWER CONTROL BOX					NONE		
ARRANGEMENT DRAWING							
CUSTOMER		극동호이스트 주식회사		DWG. NO		KDC5bt32	
DRAWING TITLE		KUK DONG HOIST CO., LTD.					
DATE	REVISIONS	CHK.	APP.				

4	3	2	1	MK
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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
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ADR'S NO.

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 금
2	CABLE DUCT	-	1	
3	N.F.B	33AF/30AT	1	HOISTING
4	MAGNET CONTACTOR	DMC32C	1	MAIN MAG.
5	MAGNET CONTACTOR	DMC48C	2	HOISTING
6	MAGNET CONTACTOR	DMC22C	2	CREEP HOIST
7	SILICON RECTIFIER	SR-60	1	HOISTING
8	SILICON RECTIFIER	SR-30	1	CREEP HOIST
9	E.O.C.R	SS-30	1	HOISTING
10	E.O.C.R	SS-05	1	CREEP HOIST
11	FUSE	1 A	2	
12	FUSE	3 A	1	
13	TRANSFORMER	440V/110V(120V), 100VA	1	
14	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
15	TERMINAL BLOCK	60A,15A		
16	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

1) 흑색 : 교류 및 직류 전원선로 5) 청색 : 직류 제어선로

2) 적색 : 교류 제어선

3) 주황색 : 외부 전원에서 공급되는 운동장치 제어회로

4) 녹색 또는 녹색과 황색 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

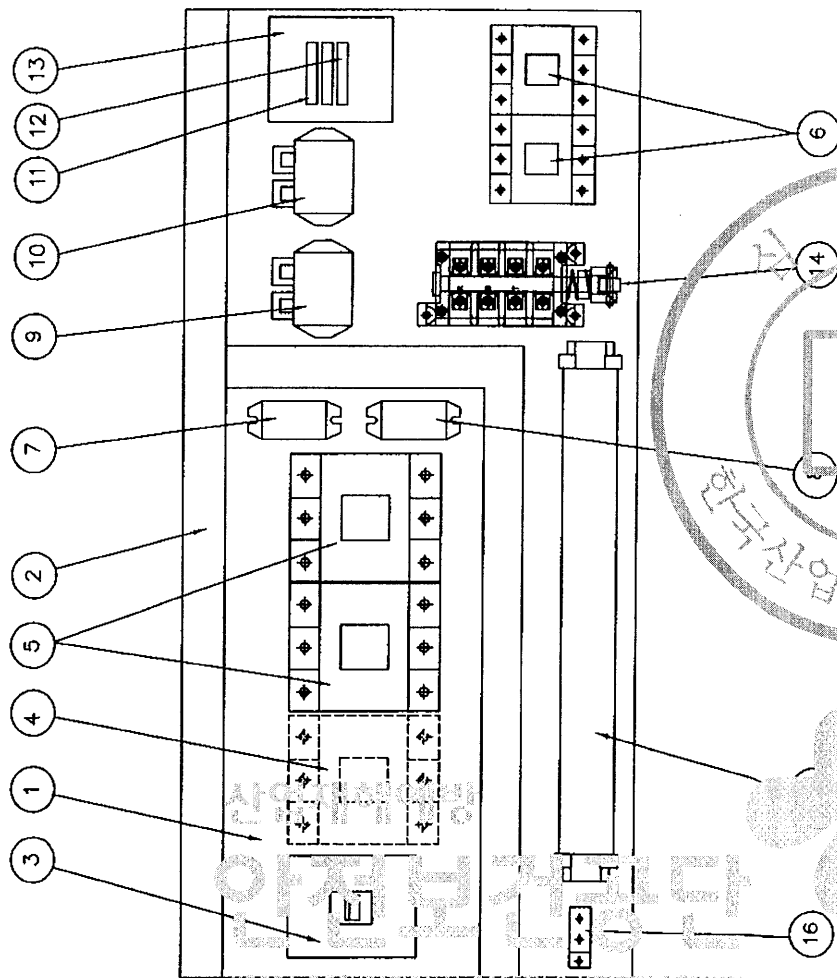
3. 제어용 전선 : 2.5mm KIV/HIV

4. 제작시 다소 변경 될수있음.

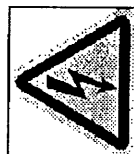
5. 외함 개방구조는 다음과 같을것.

1) 외함 개방시 승전부분이 차단되도록 할것.

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

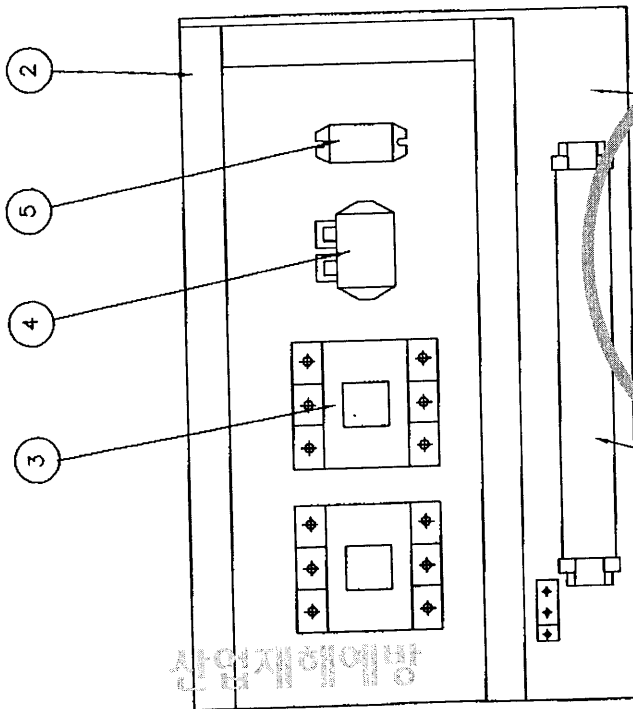


1. UPPER LIMIT LS-1 LS-2의 전압 허용 범위 : AC 600V, 75A
2. POWER SOURCE : AC 3Φ 440V 60HZ
3. EARTH TERMINAL RESISTANCE : 0.018Ω



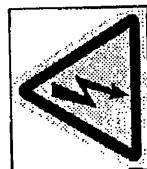
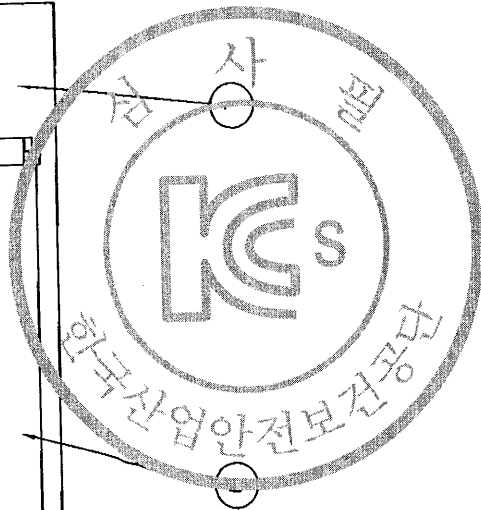
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CREEP HOIST CONTROL BOX						
ARRANGEMENT DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE	CHK.	APP.				
MK						
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC5BA41

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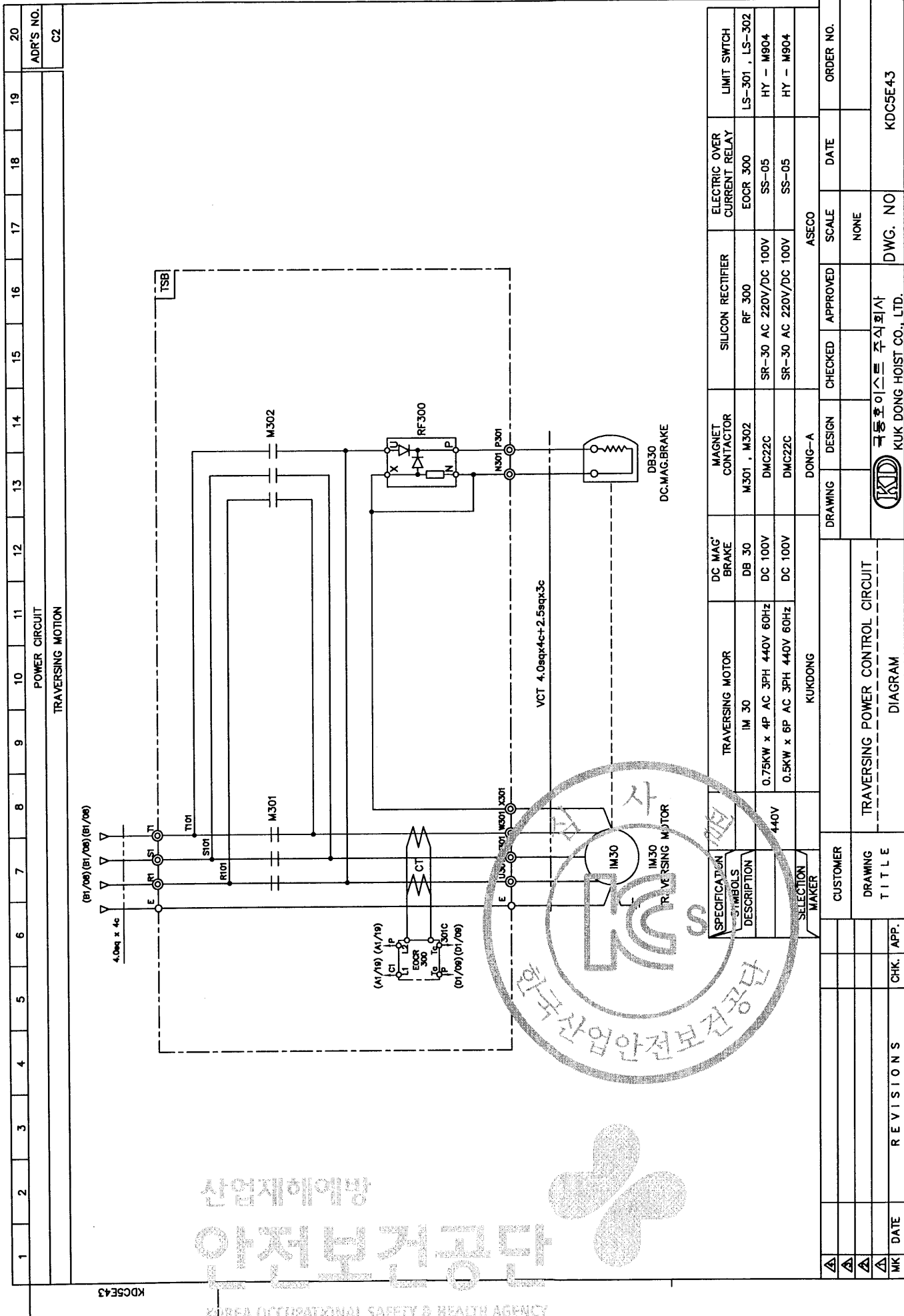
NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A , 15A	1	TRAVERSING

산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
					NONE		
CUSTOMER		극동호이스트 주식회사					
DRAWING TITLE		KUK DONG HOIST CO., LTD.					
REVISIONS		DWG. NO KDC5bt42					
DATE	CHK.	APP.					

[illegible]



CUSTOMER

DRAWING TITLE

CHK. APP.

DRAWING

DESIGN

CHECKED

APPROVED

SCALE

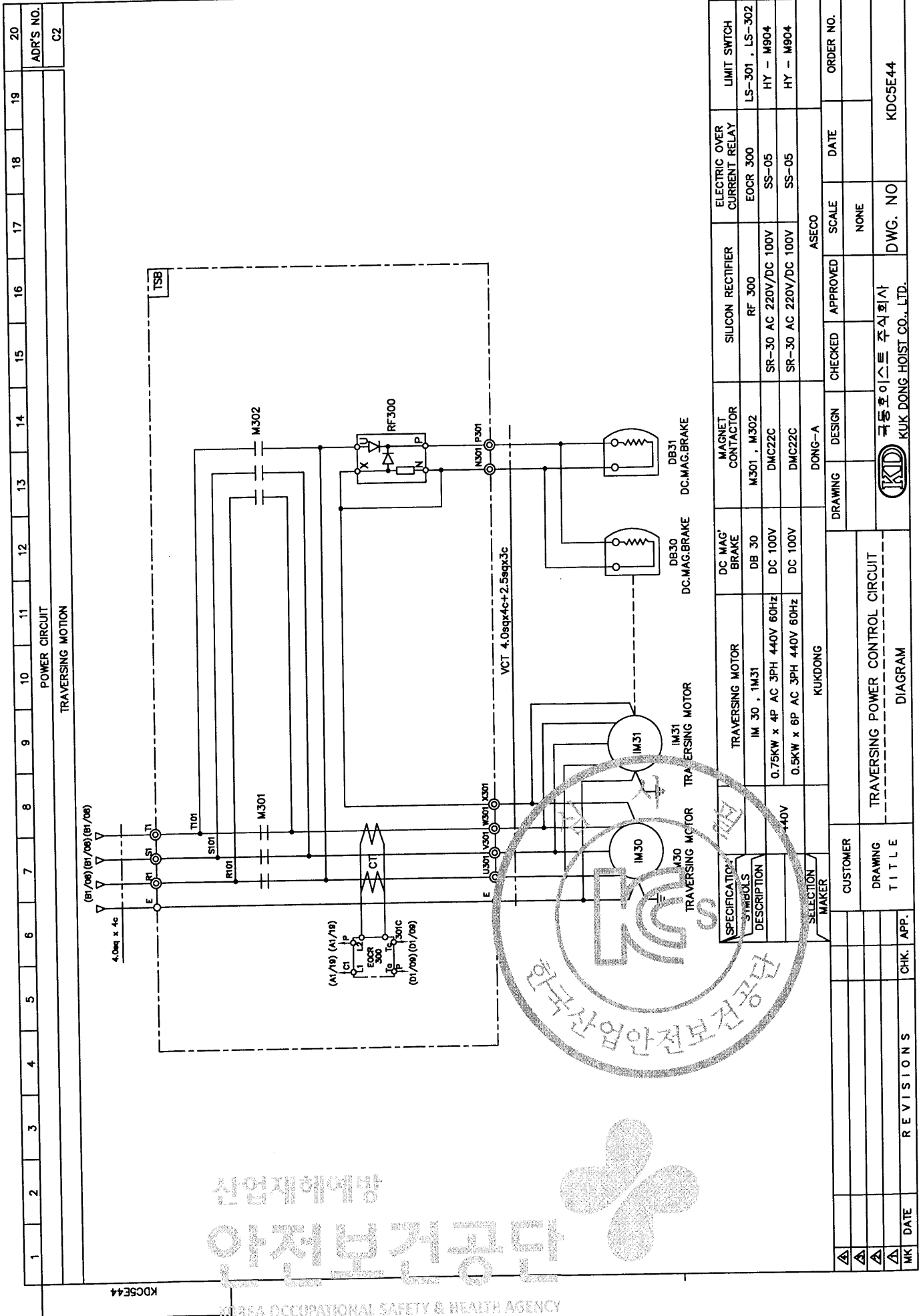
DATE

ORDER NO.

KUK DONG HOIST CO., LTD.

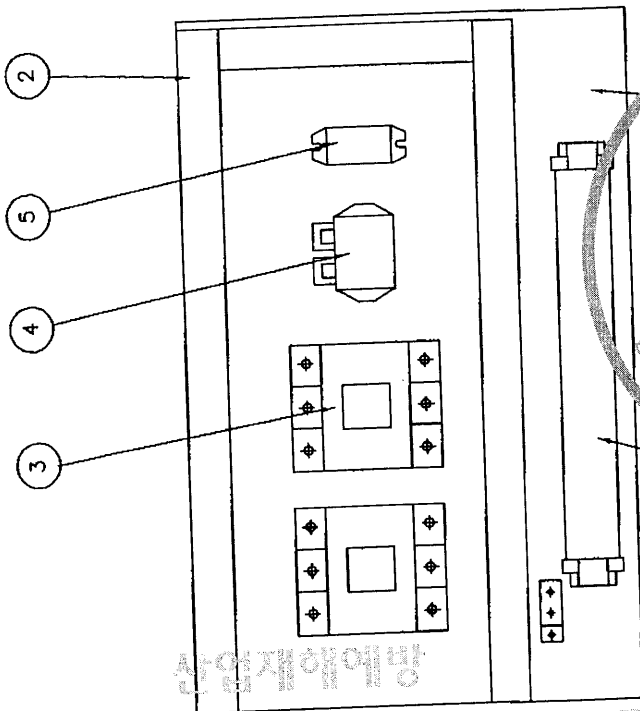
KDC5E43

산업재해예방
안전보건공단
한국산업안전보건공단

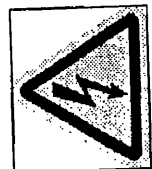


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			
NO DESCRIPTION SPECIFICATION Q'TY REMARK																			
1	CHASSIS PLATE 1 아 연 도 금																		
2	CABLE DUCT - 1																		
3	N.F.B 33AF/30AT 1 HOISTING																		
4	MAGNET CONTACTOR DMC32C 1 MAIN MAG.																		
5	MAGNET CONTACTOR DMC48C 2 HOISTING																		
6	MAGNET CONTACTOR DMC22C 2 CREEP HOIST																		
7	SILICON RECTIFIER SR-60 1 HOISTING																		
8	SILICON RECTIFIER SR-30 1 CREEP HOIST																		
9	E.O.C.R SS-30 1 HOISTING																		
10	E.O.C.R SS-05 1 CREEP HOIST																		
11	FUSE 1 A 2																		
12	FUSE 3 A 1																		
13	TRANSFORMER 460V/110V(120V), 100VA 1																		
14	UPPER LIMITER AC 600V, 75A 1 LS-1,2																		
15	TERMINAL BLOCK 60A,15A																		
16	EARTH TERMINAL 3tx20x50 1																		
NOTE 1. 전선의 색상은 다음과 같다. 1) 흑색 : 교류 및 직류 전원선로 5) 청색 : 직류 제어선로 2) 적색 : 교류 제어선 3) 주황색 : 외부 전원에서 공급되는 인동장치 제어회로 4) 녹색 또는 녹색과 황색 혼합 : 접지선 2. CABLE MATERIAL : KIV OR EQUIVALENT MIN SIZE : 2.5sq 3. 제어용 전선 : 2.5mm KIV,HIV 4. 제하시 다스 변경 필수있음. 5. 외함 개방구조는 다음과 같을것. 1) 외함 개방시 충전부분이 차단되도록 할것. 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.																			
										한국산업안전연구원 KUK DONG HOIST CO., LTD.									
DRAWING DESIGN CHECKED APPROVED SCALE DATE ORDER NO.										CREEP HOIST CONTROL BOX									
ARRANGEMENT DRAWING										DWG. NO KDC5BA51									
CUSTOMER										DRAWING TITLE									
REVISIONS										CHK. APP.									
DATE										MK									

NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 연 도 플
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A, 15A	1	TRAVERSING



산업재해예방
안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
					NONE		
CUSTOMER		KUK DONG HOIST CO., LTD.					
DRAWING TITLE		TRAVERSING POWER CONTROL BOX					
REVISONS		DWG. NO. KDC-5bt52					
DATE	CHK.	APP.					
14	15						

192.168.11.174 / 2014-07-10 09:53:52

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

POWER CIRCUIT

TRAVERING MOTION

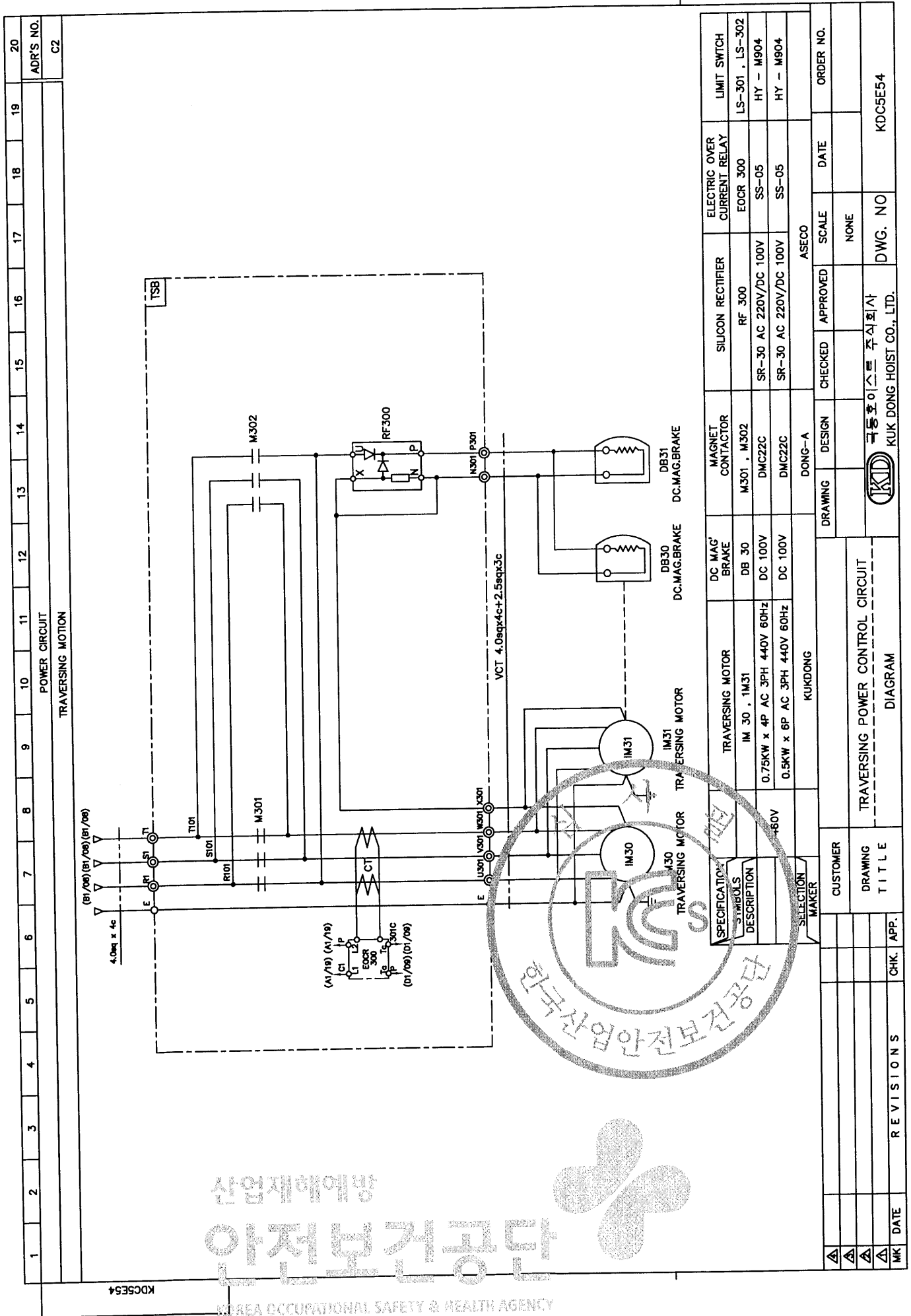
SPECIFICATION SYMBOLS	TRAVERING MOTOR	DC MAG. BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	LIMIT SWITCH
IM 30	DB 30	M301, M302	RF 300	EOCR 300	LS-301, LS-302	
0.75KW x 4P AC 3PH 460V 60Hz	DC 100V	DMC22C	SR-30 AC 220V/DC 100V	SS-05	HY - M904	
460V	DC 100V	DMC22C	SR-30 AC 220V/DC 100V	SS-05	HY - M904	

SELECTION/MAKER	CUSTOMER	DRAWING TITLE	REVISIONS	CHK.	APP.
KUKDONG		TRAVERING POWER CONTROL CIRCUIT DIAGRAM			

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
DONG-A				NONE		

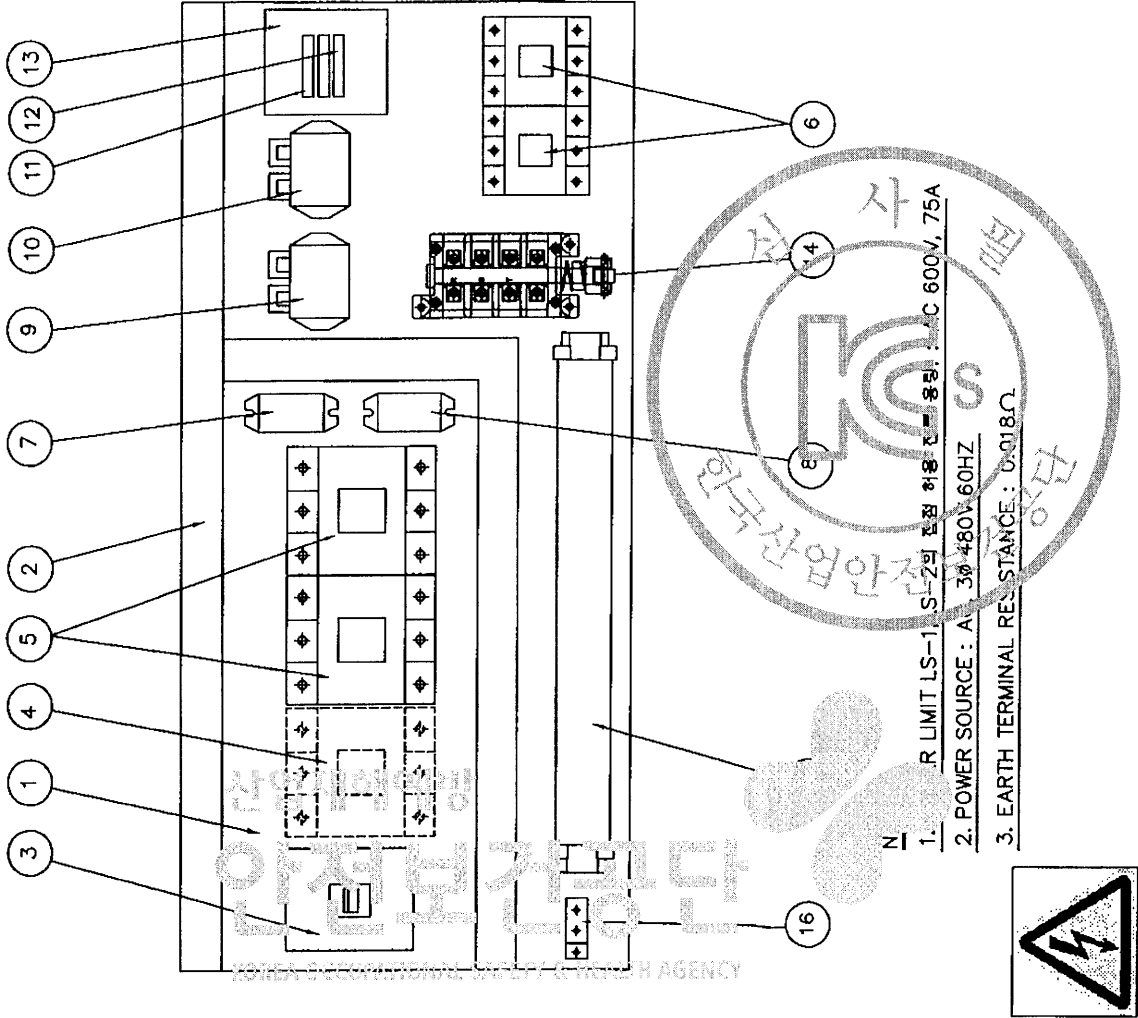
산업재해예방
안전보건공단

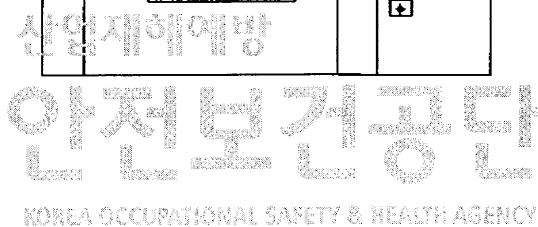
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



산업재해예방
안전보건공단
한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			
																			
NOTE 1. 전선의 색상은 다음과 같다. 1) 복색 : 교류 및 피류 전원선으로 5) 정색 : 지류 제어선으로 2) 적색 : 교류 제어선 3) 주황색 : 외부 전원에서 공급되는 연동장치 제어회로 4) 녹색 또는 녹색과 황색 혼용 : 접지선 2. CABLE MATERIAL : KIV OR EQUIVALENT 3. 제어용 전선 : 2.5mm KIV/HIV 4. 제작시 다소 변경 될수있음. 5. 외형 개량구조는 다음과 같을것. 1) 외형 개량시 종전부분이 차단되도록 할것. 2) 외형 개량후 승진되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.																			
NO		DESCRIPTION		SPECIFICATION		Q'TY		REMARK											
1		CHASSIS PLATE				1		아 연 도 금											
2		CABLE DUCT		-		1													
3		N.F.B		33AF/30AT		1		HOISTING											
4		MAGNET CONTACTOR		DMC32C		1		MAIN MAG.											
5		MAGNET CONTACTOR		DMC48C		2		HOISTING											
6		MAGNET CONTACTOR		DMC22C		2		CREEP HOIST											
7		SILICON RECTIFIER		SR-60		1		HOISTING											
8		SILICON RECTIFIER		SR-30		1		CREEP HOIST											
9		E.O.C.R		SS-30		1		HOISTING											
10		E.O.C.R		SS-05		1		CREEP HOIST											
11		FUSE		1 A		2													
12		FUSE		3 A		1													
13		TRANSFORMER		480V/110V(120V), 100VA		1													
14		UPPER LIMITER		AC 600V, 75A		1		LS-1,2											
15		TERMINAL BLOCK		60A,15A															
16		EARTH TERMINAL		3tx20x50		1													
MK		DATE		REVISIONS		CHK.		APP.											
CUSTOMER		DRAWING TITLE		ARRANGEMENT DRAWING		CREEP HOIST CONTROL BOX													
DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.							
KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		NONE				KDC5BA61							

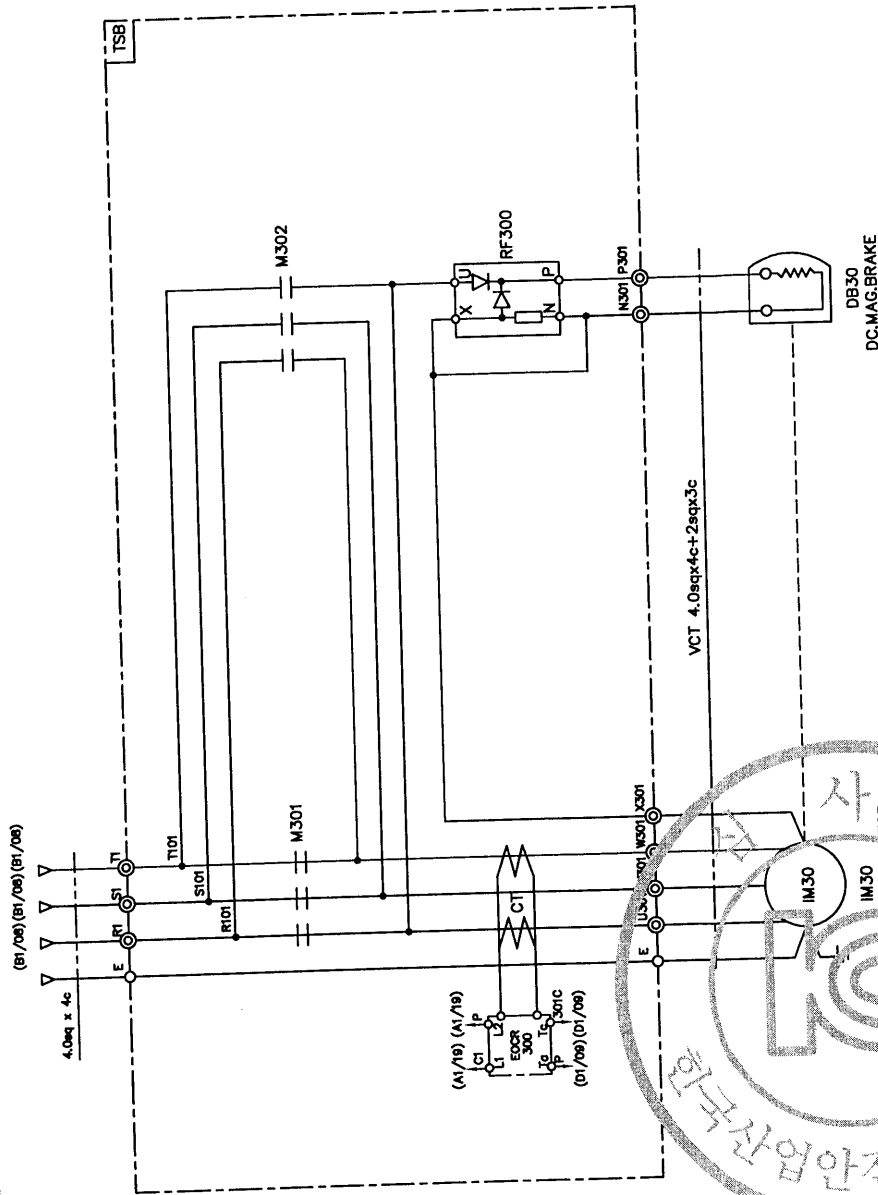


NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	하 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACTOR	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A , 15A	1	TRAVERSING

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POWER CIRCUIT																			ADR'S NO.
TRAVERSING MOTION																			C2



SPECIFICATION		TRAVERSING MOTOR		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
SYMBOLS		IM 30		DB 30		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
DESCRIPTION		0.75KW x 4P AC 3PH 480V 60Hz		DC 100V		DMC22C		SR-30 AC 220V/DC 100V		SS-05		HY - M904	
SELECTION		480V		DC 100V		DMC22C		SR-30 AC 220V/DC 100V		SS-05		HY - M904	
DRAWING		KUKDONG		DONG-A		DONG-A		ASECO		SCALE		ORDER NO.	
CUSTOMER													
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT											
REVISIONS													
DATE													
CHK. APP.													
MK													

산업재해예방

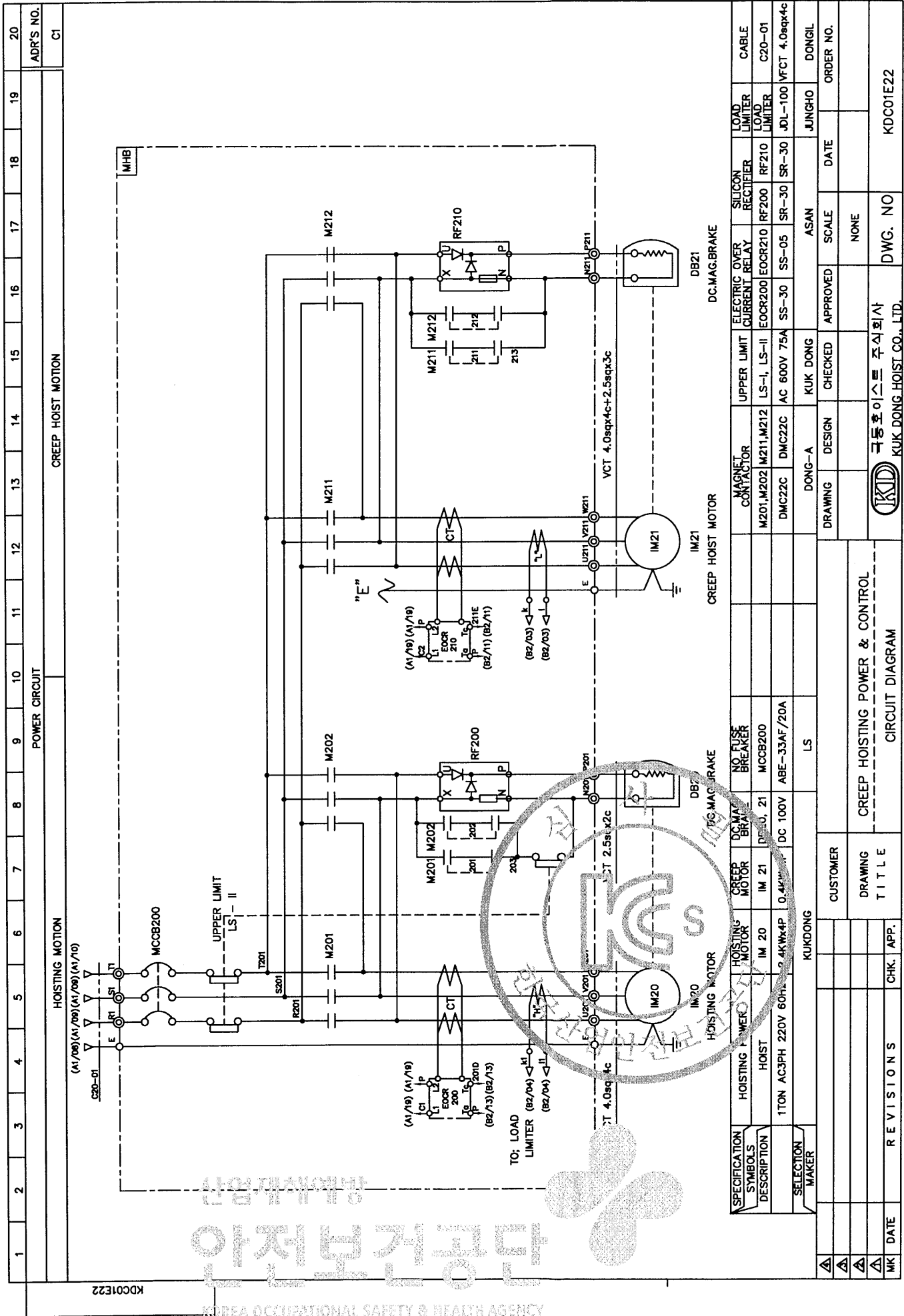
안전보건공단

Korea Occupational Safety & Health Agency

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POWER CIRCUIT																			
TRAVERSING MOTION																			
C2																			
ADR'S NO.																			
KDC5E64																			

산업재해예방
 안전보건공단
 KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20.																										
KDC01EB00																																														
ADR'S NO.																																														
극동 호이스트 제한하중 1000K																																														
N O T E 1.PROTECTION DEGREE : A, INDOOR TYPE : DUST PROOF B, OUT DOOR TYPE : SPLASH PROOF 2.FINAL PAINTING COLOR (MUNSELL NO.) A. IN SIDE : 10B 3/5 B. OUT SIDE : 10B 3/5 3.PAINTING THICKNESS : ABOVE 40 um 4.APPLICATION VOLTAGE : 220V,380V,440V,460V,480V 5.제어용 전선 : 2.5sq KIV,HIV 6.외함 기밀 구조는 다음과 같다. 1) 외함 개방시 충전 부분이 차단되도록 한다. 2) 외함 개방 후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.																																														
<table border="1"><thead><tr><th rowspan="2">SELECTION</th><th rowspan="2">HOIST CAPACITY</th><th rowspan="2">DESCRIPTION</th><th colspan="2">IN DOOR</th><th colspan="2">OUT DOOR</th><th rowspan="2">REMARK</th></tr><tr><th>B</th><th>L</th><th>B</th><th>L</th></tr></thead><tbody><tr><td rowspan="2"></td><td rowspan="2">1 TON</td><td>NORMAL</td><td>320</td><td>150</td><td>320</td><td>150</td><td>660</td></tr><tr><td>CREEP</td><td>320</td><td>150</td><td>320</td><td>150</td><td>660</td></tr></tbody></table>																					SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR		OUT DOOR		REMARK	B	L	B	L		1 TON	NORMAL	320	150	320	150	660	CREEP	320	150	320	150	660
SELECTION	HOIST CAPACITY	DESCRIPTION	IN DOOR		OUT DOOR		REMARK																																							
			B	L	B	L																																								
	1 TON	NORMAL	320	150	320	150	660																																							
		CREEP	320	150	320	150	660																																							
<table border="1"><thead><tr><th>DRAWING</th><th>DESIGN</th><th>CHECKED</th><th>APPROVED</th><th>SCALE</th><th>DATE</th><th>ORDER NO.</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td>NONE</td><td></td><td></td></tr><tr><td colspan="6">극동호이스트 주식회사 KUK DONG HOIST CO., LTD.</td><td>KDC01EB00</td></tr></tbody></table>																					DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.					NONE			극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						KDC01EB00					
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.																																								
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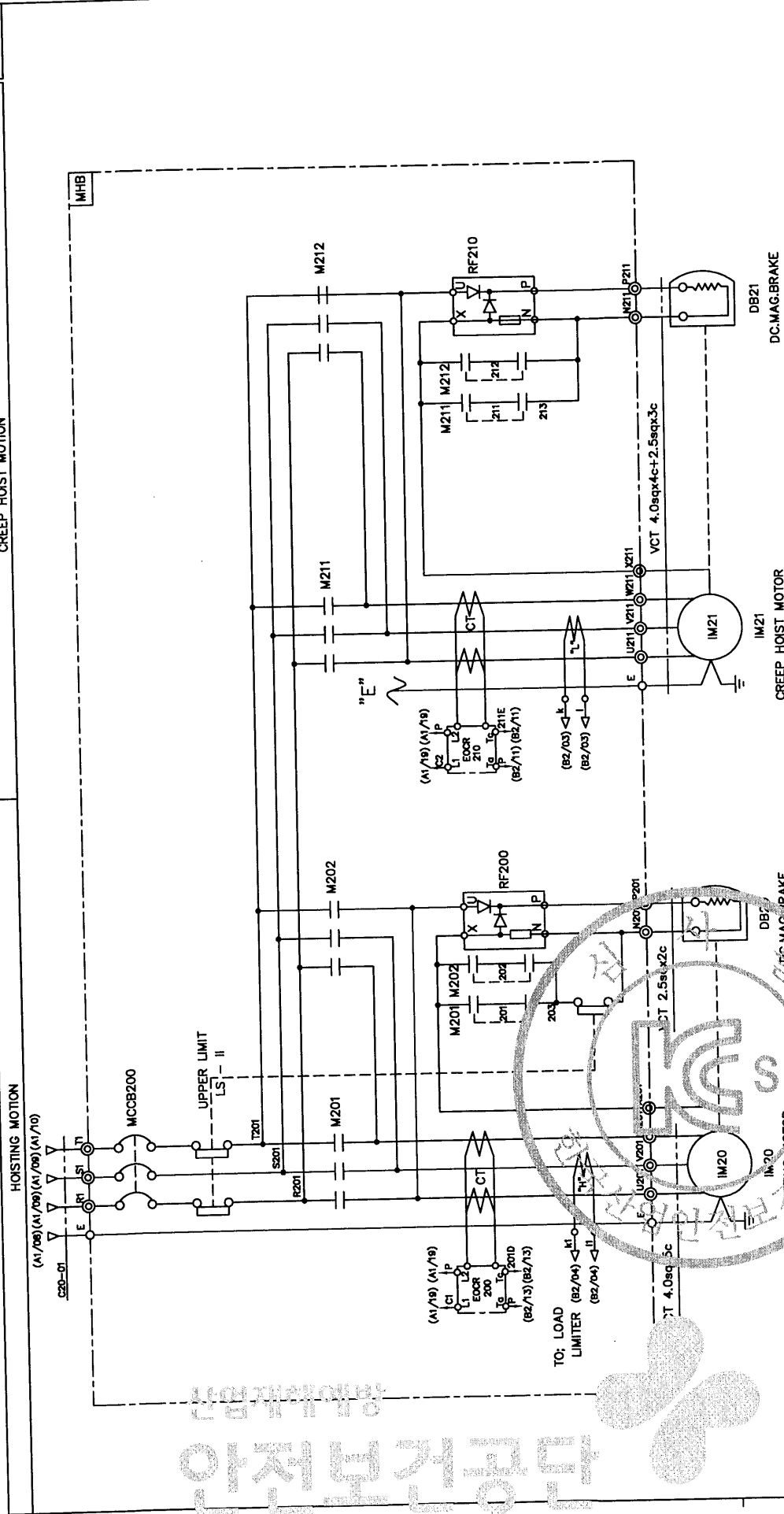
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산업재해예방
안전보건공단
NATIONAL OCCUPATIONAL SAFETY & HEALTH AGENCY

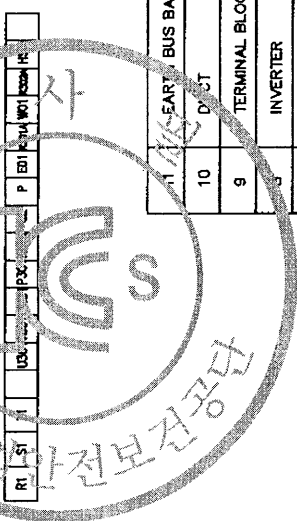
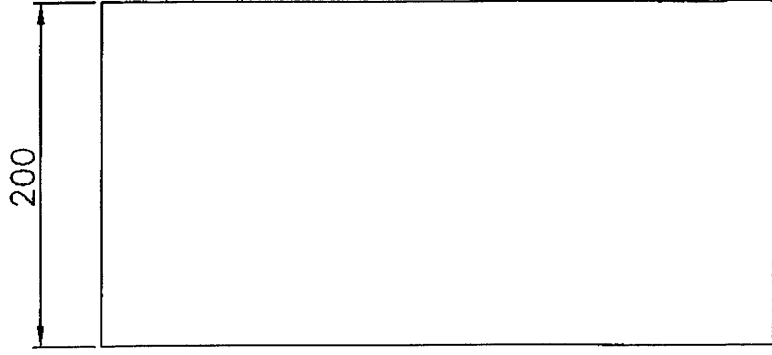
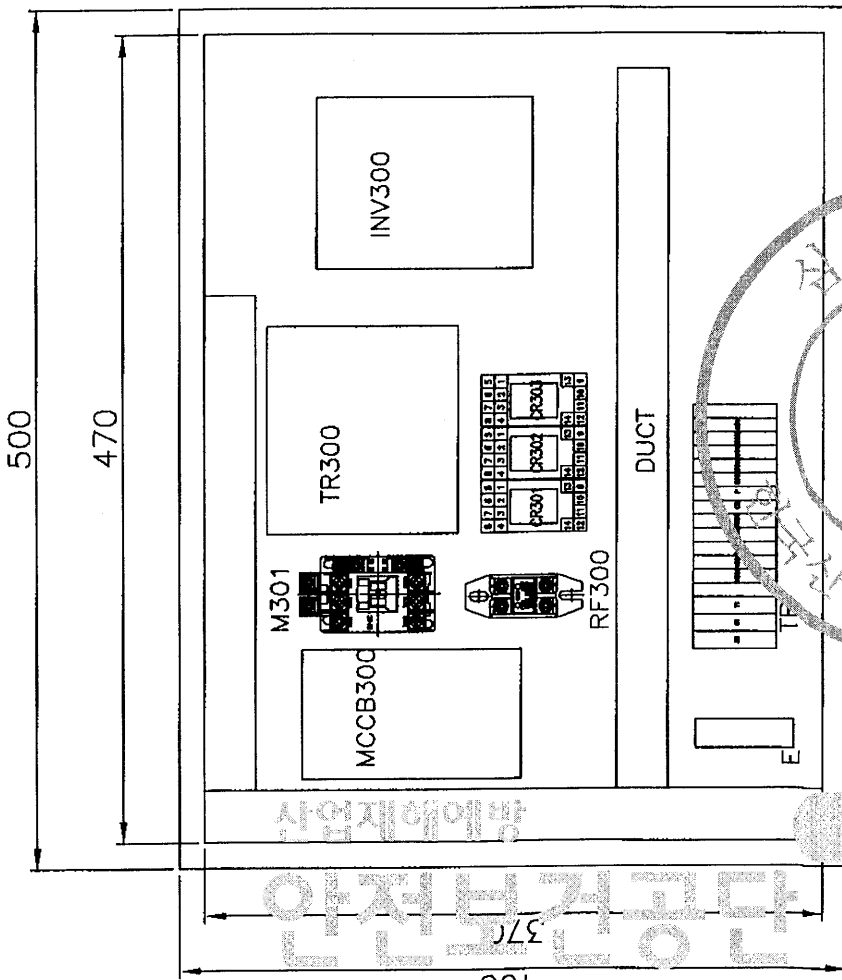
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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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										C1									



HOISTING MOTOR											
SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	DC MAG. BREAKER	NO. FUSE BREAKER	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE	
DESCRIPTION	HOIST	IM 20	IM 21	DC 100V	M201,M202	LS-I, LS-II	EOCR200	RF200	RF210	C20-01	
	1TON AC3PH 480V 60Hz	2.4KWx4P	0.4KW	ABE-33AF/10A	DMC22C	AC 600V 75A	SS-30	SS-05	SR-30	JDL-100 VFCT 4.0sqx4c	
SELECTION MAKER	KUKDONG					DONG-A	KUK DONG	ASAN		DONGIL	
					DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	
									NONE		
					CREEP HOISTING POWER & CONTROL						
					CIRCUIT DIAGRAM						
										DWG. NO	KDC01E62
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안전보건공단
KOSHA
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

2	4 판	SS400	1						
1	T/S BOX	PUR	1						
NO.	DESCRIPTION	MT'L	QTY		SUB WEIGHT(Kg)	TOTAL	SUB	TOTAL	REMARKS.
			SUB CITY						
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.			
KUK DONG HOIST CO., LTD.						KD05E1001			

1	EAR / BUS BAR	PUR	1		
10	DUCT	PUR	1		
9	TERMINAL BLOCK	PUR	1		
8	INVERTER	PUR	1		
7	TR	PUR	1		
6	RELAY & SMOKE	PUR	1		
5	RF	PUR	1		
4	MC	PUR	1		
3	MCCB	PUR	1		

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TRAVERSING MOTION										CONTROL CIRCUIT DIAGRAM									
POWER CIRCUIT DIAGRAM										BRAKE EAST WEST HIGH SPEED									
E. PROVISION										PSS									
TSB										HST									
M301										W01									
TR300										LS-302									
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TRaversing Motion										ADP'S NO.																									
POWER CIRCUIT DIAGRAM										CONTROL CIRCUIT DIAGRAM																									
BRAKE										EAST						WEST				HIGH SPEED															
TRAVERSING POWER										NO FUSE BREAKER						TRANSFORMER				BRAKE MAGNET				CONTROL RELAY				SILICON RECTIFIER							
TRAVERSING MOTOR										MCCB300						TR 300				M301				CR301,302,303				INV300				RF300			
A 3PH 220V 60Hz										0.75KW x 4P						DC 100V				DM-22C				MINI 4a4b(Coil AC110V)				SV037G5A-2				SR-30			
AC 3PH 380(440,460,480)V 60Hz										0.75KW x 4P						DC 100V				DM-22C				MINI 4a4b(Coil AC110V)				SV037G5A-4				SR-30			
AC 3PH 220V 60Hz										0.5KW x 6P						DC 100V				DM-22C				MINI 4a4b(Coil AC110V)				SV022G5A-2				SR-30			
AC 3PH 380(440,460,480)V 60Hz										0.5KW x 6P						DC 100V				DM-22C				MINI 4a4b(Coil AC110V)				SV022G5A-4				SR-30			
SELECTION/MAKER										KUK DONG HOIST														LS				ASAN							
CUSTOMER										INVERTER CONTROL																									
DRAWING TITLE										TRAVERSING POWER & CONTROL CIRCUIT																									
REVISIONS										DIAGRAM																									
CHK.																																			
APP.																																			
DATE																																			
DWG. NO										K05E1005																									
KUK DONG HOIST										KUK DONG HOIST CO., LTD.																									
DRAWING																																			
DESIGN																																			
CHECKED																																			
APPROVED																																			
SCALE																																			
DATE																																			
ORDER NO.																																			

MAIN HOISTING CONTROL

UPPER LIMITS

UP-HIGH

DOWN-LOW

DOWN-HIGH

LOAD LIMIT

LOAD LIMITER WITH BUZZER (MAIN)

LOAD LIMITER WITH BUZZER (AUX)

CONTACTORS: M101, M102, M201, M202, M111, M112, M211, M212

RELAYS: M101, M102, M201, M202, M111, M112, M211, M212

SAFETY DEVICES: PSB, MHB, AHB, LS-1, LS-2

WIRING: 101A, 101B, 101C, 101D, 101E, 101F, 101G, 101H, 101I, 101J, 101K, 101L, 101M, 101N, 101O, 101P, 101Q, 101R, 101S, 101T, 101U, 101V, 101W, 101X, 101Y, 101Z, 101AA, 101AB, 101AC, 101AD, 101AE, 101AF, 101AG, 101AH, 101AI, 101AJ, 101AK, 101AL, 101AM, 101AN, 101AO, 101AP, 101AQ, 101AR, 101AS, 101AT, 101AU, 101AV, 101AW, 101AX, 101AY, 101AZ, 101BA, 101BB, 101BC, 101BD, 101BE, 101BF, 101BG, 101BH, 101BI, 101BJ, 101BK, 101BL, 101BM, 101BN, 101BO, 101BP, 101BQ, 101BR, 101BS, 101BT, 101BU, 101BV, 101BW, 101BX, 101BY, 101BZ, 101CA, 101CB, 101CC, 101CD, 101CE, 101CF, 101CG, 101CH, 101CI, 101CJ, 101CK, 101CL, 101CM, 101CN, 101CO, 101CP, 101CQ, 101CR, 101CS, 101CT, 101CU, 101CV, 101CW, 101CX, 101CY, 101CZ, 101DA, 101DB, 101DC, 101DD, 101DE, 101DF, 101DG, 101DH, 101DI, 101DJ, 101DK, 101DL, 101DM, 101DN, 101DO, 101DP, 101DQ, 101DR, 101DS, 101DT, 101DU, 101DV, 101DW, 101DX, 101DY, 101DZ, 101EA, 101EB, 101EC, 101ED, 101EE, 101EF, 101EG, 101EH, 101EI, 101EJ, 101EK, 101EL, 101EM, 101EN, 101EO, 101EP, 101EQ, 101ER, 101ES, 101ET, 101EU, 101EV, 101EW, 101EX, 101EY, 101EZ, 101FA, 101FB, 101FC, 101FD, 101FE, 101FF, 101FG, 101FH, 101FI, 101FJ, 101FK, 101FL, 101FM, 101FN, 101FO, 101FP, 101FQ, 101FR, 101FS, 101FT, 101FU, 101FV, 101FW, 101FX, 101FY, 101FZ, 101GA, 101GB, 101GC, 101GD, 101GE, 101GF, 101GG, 101GH, 101GI, 101GJ, 101GK, 101GL, 101GM, 101GN, 101GO, 101GP, 101GQ, 101GR, 101GS, 101GT, 101GU, 101GV, 101GW, 101GX, 101GY, 101GZ, 101HA, 101HB, 101HC, 101HD, 101HE, 101HF, 101HG, 101HH, 101HI, 101HJ, 101HK, 101HL, 101HM, 101HN, 101HO, 101HP, 101HQ, 101HR, 101HS, 101HT, 101HU, 101HV, 101HW, 101HX, 101HY, 101HZ, 101IA, 101IB, 101IC, 101ID, 101IE, 101IF, 101IG, 101IH, 101II, 101IJ, 101IK, 101IL, 101IM, 101IN, 101IO, 101IP, 101IQ, 101IR, 101IS, 101IT, 101IU, 101IV, 101IW, 101IX, 101IY, 101IZ, 101JA, 101JB, 101JC, 101JD, 101JE, 101JF, 101JG, 101JH, 101JI, 101JJ, 101JK, 101JL, 101JM, 101JN, 101JO, 101JP, 101JQ, 101JR, 101JS, 101JT, 101JU, 101JV, 101JW, 101JX, 101JY, 101JZ, 101KA, 101KB, 101KC, 101KD, 101KE, 101KF, 101KG, 101KH, 101KI, 101KJ, 101KK, 101KL, 101KM, 101KN, 101KO, 101KP, 101KQ, 101KR, 101KS, 101KT, 101KU, 101KV, 101KW, 101KX, 101KY, 101KZ, 101LA, 101LB, 101LC, 101LD, 101LE, 101LF, 101LG, 101LH, 101LI, 101LJ, 101LK, 101LL, 101LM, 101LN, 101LO, 101LP, 101LQ, 101LR, 101LS, 101LT, 101LU, 101LV, 101LW, 101LX, 101LY, 101LZ, 101MA, 101MB, 101MC, 101MD, 101ME, 101MF, 101MG, 101MH, 101MI, 101MJ, 101MK, 101ML, 101MN, 101MO, 101MP, 101MQ, 101MR, 101MS, 101MT, 101MU, 101MV, 101MW, 101MX, 101MY, 101MZ, 101NA, 101NB, 101NC, 101ND, 101NE, 101NF, 101NG, 101NH, 101NI, 101NJ, 101NK, 101NL, 101NM, 101NN, 101NO, 101NP, 101NQ, 101NR, 101NS, 101NT, 101NU, 101NV, 101NW, 101NX, 101NY, 101NZ, 101OA, 101OB, 101OC, 101OD, 101OE, 101OF, 101OG, 101OH, 101OI, 101OJ, 101OK, 101OL, 101OM, 101ON, 101OO, 101OP, 101OQ, 101OR, 101OS, 101OT, 101OU, 101OV, 101OW, 101OX, 101OY, 101OZ, 101PA, 101PB, 101PC, 101PD, 101PE, 101PF, 101PG, 101PH, 101PI, 101PJ, 101PK, 101PL, 101PM, 101PN, 101PO, 101PP, 101PQ, 101PR, 101PS, 101PT, 101PU, 101PV, 101PW, 101PX, 101PY, 101PZ, 101QA, 101QB, 101QC, 101QD, 101QE, 101QF, 101QG, 101QH, 101QI, 101QJ, 101QK, 101QL, 101QM, 101QN, 101QO, 101QP, 101QQ, 101QR, 101QS, 101QT, 101QU, 101QV, 101QW, 101QX, 101QY, 101QZ, 101RA, 101RB, 101RC, 101RD, 101RE, 101RF, 101RG, 101RH, 101RI, 101RJ, 101RK, 101RL, 101RM, 101RN, 101RO, 101RP, 101RQ, 101RR, 101RS, 101RT, 101RU, 101RV, 101RW, 101RX, 101RY, 101RZ, 101SA, 101SB, 101SC, 101SD, 101SE, 101SF, 101SG, 101SH, 101SI, 101SJ, 101SK, 101SL, 101SM, 101SN, 101SO, 101SP, 101SQ, 101SR, 101SS, 101ST, 101SU, 101SV, 101SW, 101SX, 101SY, 101SZ, 101TA, 101TB, 101TC, 101TD, 101TE, 101TF, 101TG, 101TH, 101TI, 101TJ, 101TK, 101TL, 101TM, 101TN, 101TO, 101TP, 101TQ, 101TR, 101TS, 101TT, 101TU, 101TV, 101TW, 101TX, 101TY, 101TZ, 101UA, 101UB, 101UC, 101UD, 101UE, 101UF, 101UG, 101UH, 101UI, 101UJ, 101UK, 101UL, 101UM, 101UN, 101UO, 101UP, 101UQ, 101UR, 101US, 101UT, 101UU, 101UV, 101UW, 101UX, 101UY, 101UZ, 101VA, 101VB, 101VC, 101VD, 101VE, 101VF, 101VG, 101VH, 101VI, 101VJ, 101VK, 101VL, 101VM, 101VN, 101VO, 101VP, 101VQ, 101VR, 101VS, 101VT, 101VU, 101VV, 101VW, 101VX, 101VY,

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

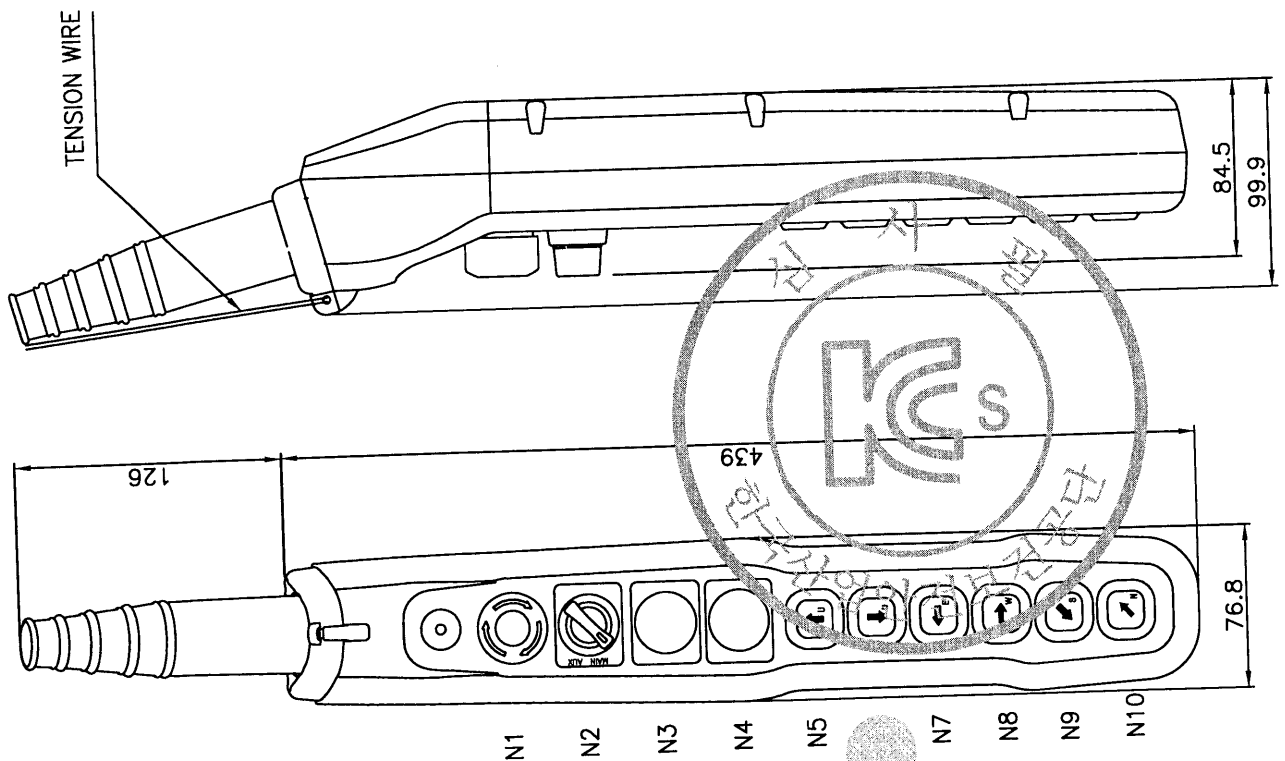
NO	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
1	PUSH BUTTON SWITCH	PUR.	1		

NOTE:

1. MATERIAL: ABS
2. COLOR: YELLOW
3. CONTACTOR: AC250V 6A
4. CABLE: VCT1.5sq
5. IP55 이상

구분	조각배분	표시율
지역	비상	비상
환경	비정상	비정상
부속	정상	정상
정제	이무	이무
원어, 외국어, 특수어	지정된의미없음	기타

N10	N	NORTH(1STEP or 2STEP)	
N9	S	SOUTH(1STEP or 2STEP)	
N8	W	WEST(1STEP or 2STEP)	
N7	E	EAST(1STEP or 2STEP)	
N6	D	DOWN(2STEP)	
N5	U	UP(2STEP)	
N4	-	SPARE	
N3	-	SPARE	
N2	MAIN-AUX	MAIN-AUX	
N1	EBS	EMERGENCY STOP	
N0	NAME	DESCRIPTION	REMARK

[illegible]

산업재해예방
안전보건공단

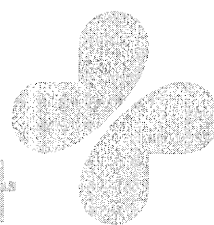
4. 참 고 도 서



산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3 Ø 220V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
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 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	
C9 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 주치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

극동호이스트(주)

* POWER SOURCE : AC 3Φ 380V 60Hz

HIST	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	
C ON	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	
C 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 값치는 권고 SETTING 수치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 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	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	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
C2 TON	0.4KW x 4P	110%	1 SEC	1 SEC	1.4 A	1.8 A	CT-1	K-K1, L-L1	5 V.A	
	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	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	18.5 A	CT-2	K-K1, L-L1	5 V.A	
C5 TON	1.0KW x 6P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
	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 8P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
C7 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 SETTING치이며 MOTOR의 특성 및 현장 조건에 따라 변경 가능함.

LOAD LIMITER 권고 SETTING치

극동하이스트(주)

* POWER SOURCE : AC 3Φ 460V 60Hz										
HIST	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	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
C2 TON	0.4KW x 4P	110%	1 SEC	1 SEC	1.3 A	1.5 A	CT-1	K-K1, L-L1	5 V.A	
	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	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-2	K-K1, L-L1	5 V.A	
C5 TON	1.0KW x 6P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
	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 8P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
C6 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	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 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	
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	
C5 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	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.

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	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	

* POWER SOURCE : AC 3Φ 220V 60Hz

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	1 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.

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60HZ

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
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	
	1.5KW x 8P	4.0 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.0 A	

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60HZ

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	4.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	4.8 A	
	0.4KW x 4P	1.4 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	
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	
	9.0KW x 8P	21.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.5 A	
	1.4KW x 8P	4.0 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.0 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 480V 60Hz

극동호이스트(주)

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	4.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	4.6 A	
	0.4KW x 4P	1.4 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	
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	
	9.0KW x 8P	20.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	20.6 A	
	1.1KW x 8P	4.0 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.0 A	

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

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE

HOISTING

2. MANUFACTURE

극동호이스트 (주)

3. FRAME NUMBER

132 M

4. RATED POWER

5.5 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 °C

10. FULL LOAD SPEED

1160 RPM

11. FULL LOAD CURRENT

28.2 A

12. LOCKED ROTOR CURRENT

155.1 A

13. MINIMUM STARTING VOLTAGE

200 V

14. EFFICIENCY AT 100% RATED LOAD

77 %

15. POWER FACTOR AT 100% RATED LOAD

85.4 %

16. FULL LOAD TORQUE

11.50 KG.M

17. SITE ALTITUDE(UNDER)

1000 M

18. ENCLOSURE & COOLING METHOD

TENV

19. TYPE OF BEARING

PL : 6307zz OPL : 6207zz

20. MOUNTING

HORIZONTAL

21. MAXIMUM AMBIENT TEMPURE

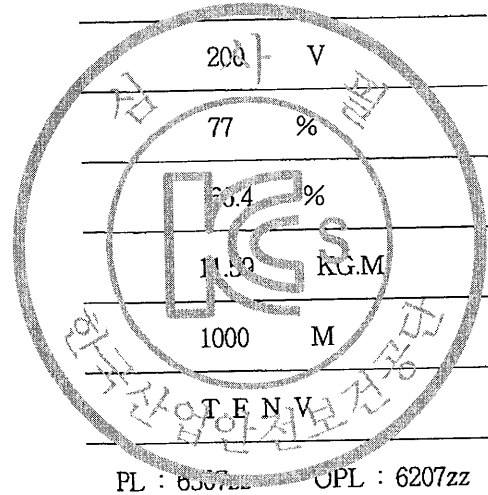
°C

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

132 M

4. RATED POWER

5.5 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 °C

10. FULL LOAD SPEED

1160 RPM

11. FULL LOAD CURRENT

16.3 A

12. LOCKER ROTOR CURRENT

89.8 A

13. MINIMUM STARTING VOLTAGE

342 V

14. EFFICIENCY AT 100% RATED LOAD

77 %

15. POWER FACTOR AT 100% RATED LOAD

89.4 %

16. FULL LOAD TORQUE

1.52 KG.M

17. SITE ALTITUDE(UNDER)

1000 M

18. ENCLOSURE & COOLING METHOD

TENV

19. TYPE OF BEARING

PL : 630725 OPL : 6207zz

20. MOUNTING

HORIZONTAL

21. MAXIMUM AMBIENT TEMPURE

°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

132 M

4. RATED POWER

5.5 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 °C

10. FULL LOAD SPEED

1160 RPM

11. FULL LOAD CURRENT

14.1 A

12. LOCKED ROTOR CURRENT

77.6 A

13. MINIMUM STARTING VOLTAGE

400 V

14. EFFICIENCY AT 100% RATED LOAD

77 %

15. POWER FACTOR AT 100% RATED LOAD

63.4 %

16. FULL LOAD TORQUE

1159 KGM

17. SITE ALTITUDE(UNDER)

1000 M

18. ENCLOSURE & COOLING METHOD

TENV

19. TYPE OF BEARING

PL : 6307 OPL : 6207zz

20. MOUNTING

HORIZONTAL

21. MAXIMUM AMBIENT TEMPURE

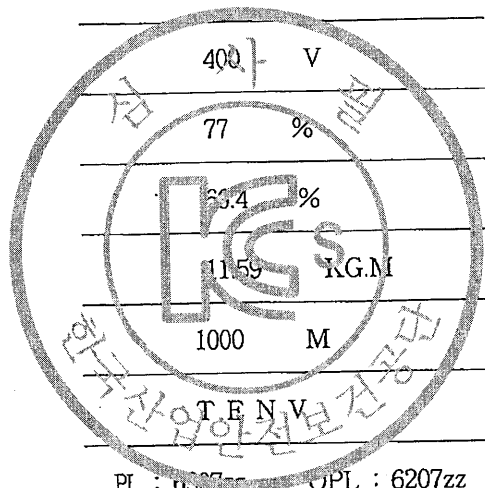
°C

22. BEARING LUBRICATION

GREASE

23. STARTING METHOD

FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

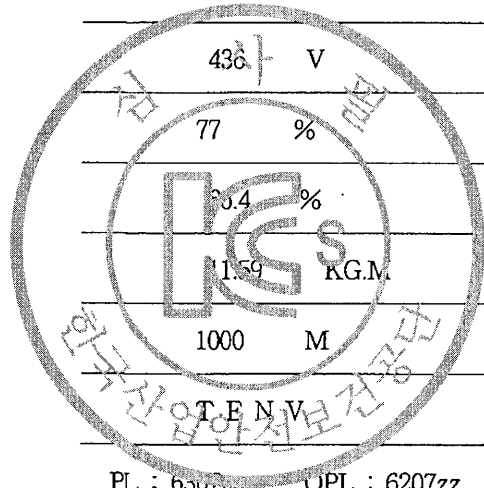
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 L
4. RATED POWER	5.5 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 °C
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	13.5 A
12. LOCKED ROTOR CURRENT	74.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	83.4 %
16. FULL LOAD TORQUE	11.59 K.G.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	°C
22. BEARING LUBRICATION	GR SE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

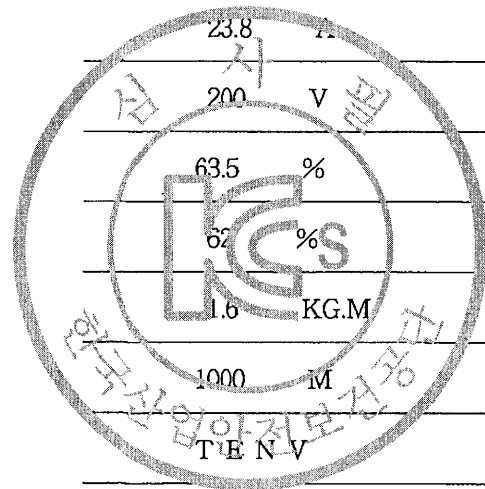
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 M
4. RATED POWER	5.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	12.9 A
12. LOCKED ROTOR CURRENT	71.2 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	77 %
15. POWER FACTOR AT 100% RATED LOAD	83.4 %
16. FULL LOAD TORQUE	15.9 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6307zz OPL : 6207zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

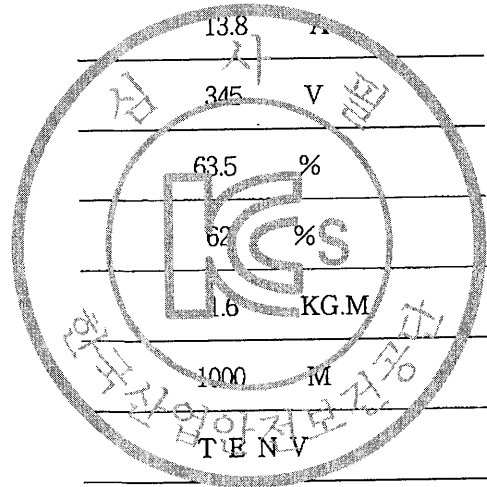
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1152 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	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %S
16. FULL LOAD TORQUE	1.6 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 ZONTAL
21. MAXIMUM AMBIENT TEMPURE	
22. BEARING LUBRICATION	GR SE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

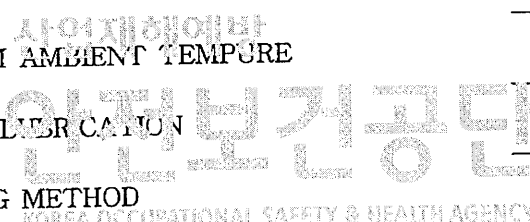
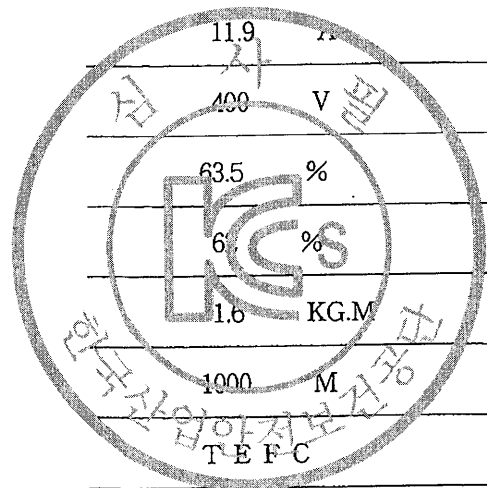
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 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	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 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 Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	
22. BEARING LUBRICATION	G R S E
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

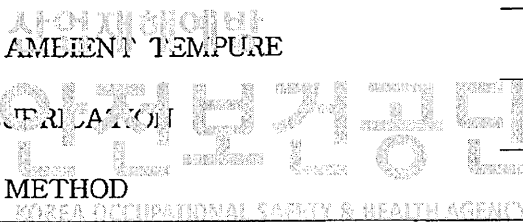
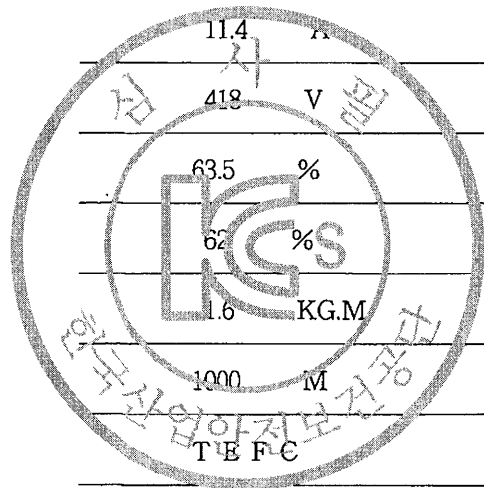
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 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	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	6.8 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	
22. BEARING LUBRICATION	G R 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

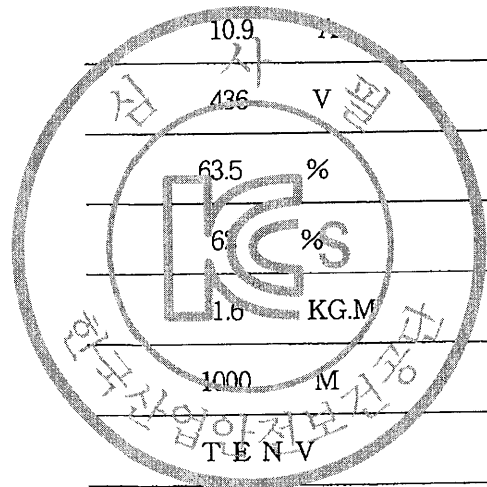
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1152 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	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	62 %
16. FULL LOAD TORQUE	1.6 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E F C
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H ZONTAL
21. MAXIMUM AMEENT TEMPURE	
22. BEARING LUBRICATION	G R S E
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

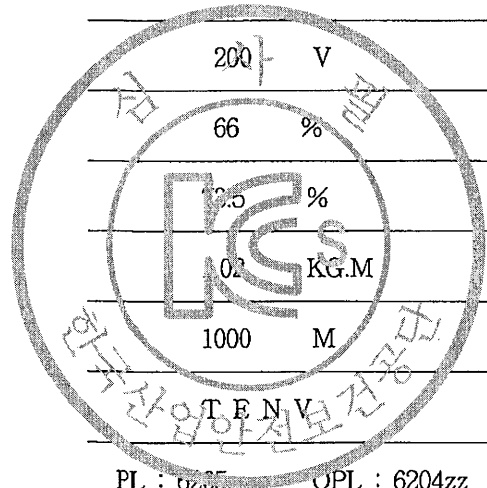
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	1.0 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1152 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	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61 %
16. FULL LOAD TORQUE	1.6 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	
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

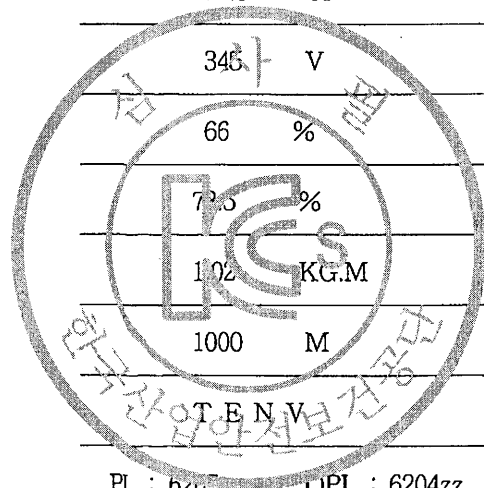
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	4.1 A
12. LOCKED ROTOR CURRENT	22.1 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	72.5 %
16. FULL LOAD TORQUE	102 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6205LL OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

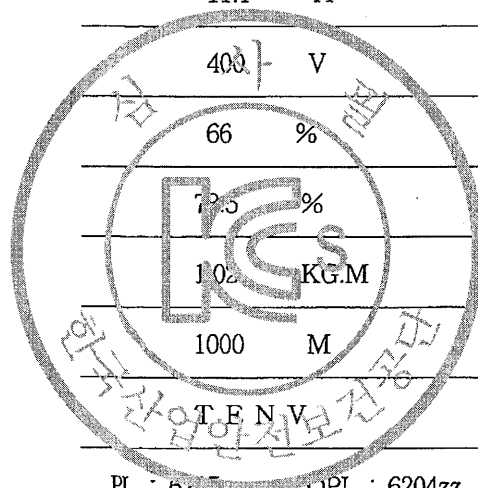
1.SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.4 A
12. LOCKED ROTOR CURRENT	12.8 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	72.5 %
16. FULL LOAD TORQUE	102 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	°C
22. BEARING LUBRICATION	GR SE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

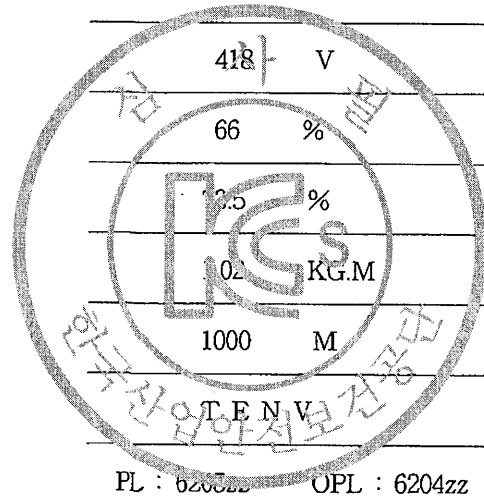
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	11.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	72.5 %
16. FULL LOAD TORQUE	102 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	℃
22. BEARING LUBRICATION	GRASE
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 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	10.6 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	82.5 %
16. FULL LOAD TORQUE	102 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6203zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE

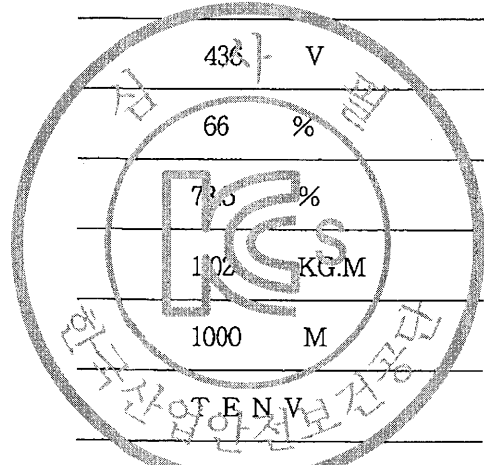


안전보건공단
한국산업안전보건공단

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

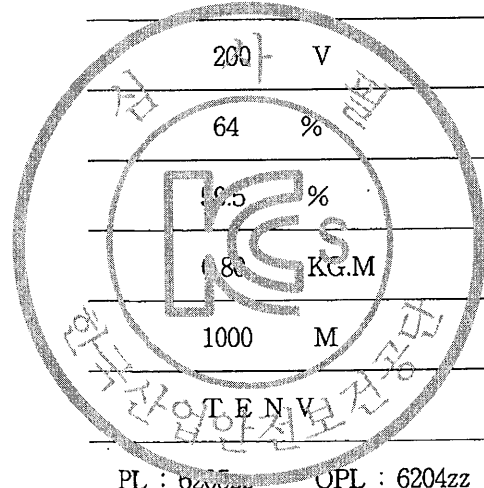
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1760 RPM
11. FULL LOAD CURRENT	1.9 A
12. LOCKED ROTOR CURRENT	10.2 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	66 %
15. POWER FACTOR AT 100% RATED LOAD	73.5 %
16. FULL LOAD TORQUE	102 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205LL OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOF	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	3.4 A
12. LOCKED ROTOR CURRENT	16.4 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	82.5 %
16. FULL LOAD TORQUE	0.8 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6203LL OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE

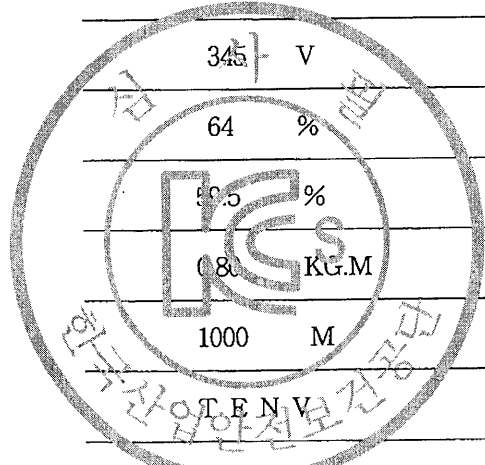


한국산업안전보건공단
안전보건공단

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

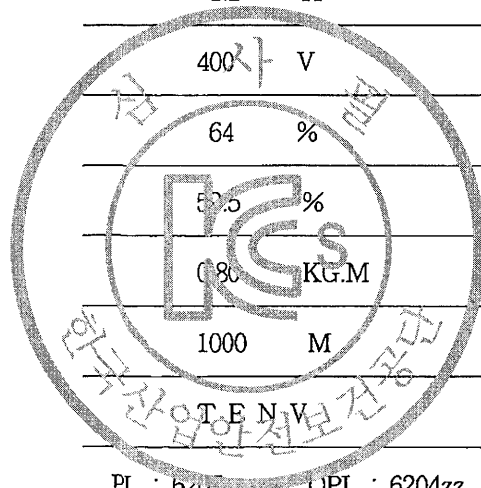
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	2.0 A
12. LOCKED ROTOR CURRENT	9.5 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	58.5 %
16. FULL LOAD TORQUE	0.80 K.G.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6203zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

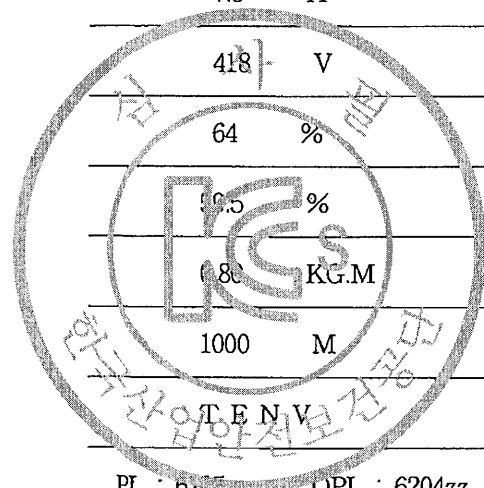
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. LOCKED ROTOR CURRENT	8.2 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	82.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6203zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GRADE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

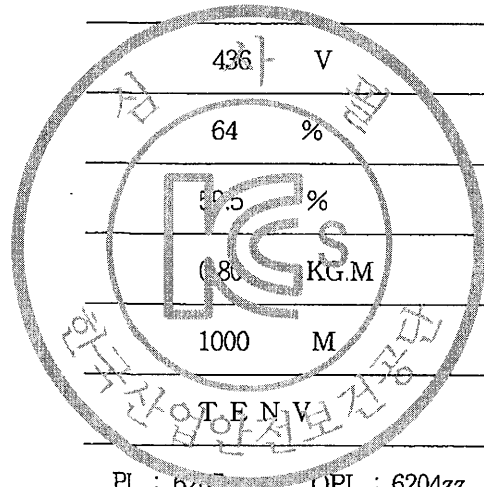
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.7 A
12. LOCKED ROTOR CURRENT	7.9 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	96.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6203zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

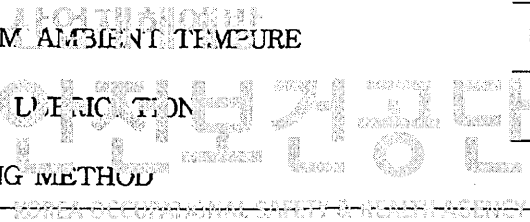
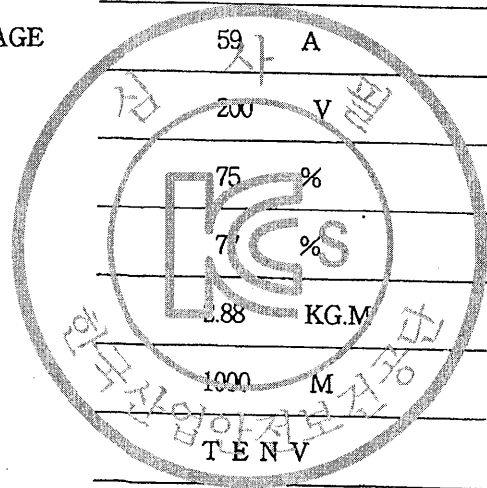
1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1160 RPM
11. FULL LOAD CURRENT	1.6 A
12. LOCKED ROTOR CURRENT	7.5 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	64 %
15. POWER FACTOR AT 100% RATED LOAD	50.5 %
16. FULL LOAD TORQUE	0.80 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	°C
22. BEARING LUBRICATION	GRASE
23. STARTING METHOD	FULL VOLTAGE



THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

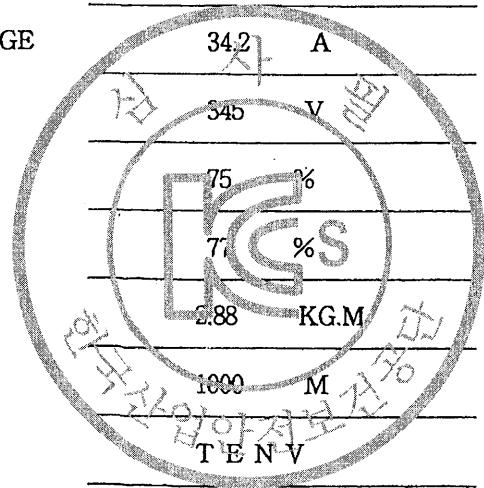
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	10 A
12. STARTING CURRENT AT RATED VOLTAGE	59 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. STARTING TORQUE	2.88 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 I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	
22. BEARING D I R E C T I O N	G I 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	HOISTING
2. MANUFACTURE	국동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 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 °C
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	5.8 A
12. STARTING CURRENT AT RATED VOLTAGE	34.2 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	71 %S
16. STARTING TORQUE	2.88 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 ZONTAL
21. MAXIMUM AMEIENT TEMIPURE	
22. BEARING U B LC/ TR N	G R S E
23. STARTING METHOD	FULL VOLTAGE

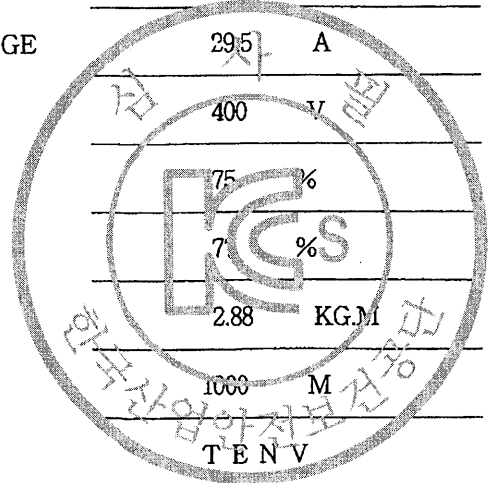


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 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	1692 RPM
11. FULL LOAD CURRENT	5.0 A
12. STARTING CURRENT AT RATED VOLTAGE	295 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	7 %S
16. STARTING TORQUE	2.88 KGM
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 Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	
22. BEARING LUBRICATION	G R S E
23. STARTING METHOD	FULL VOLTAGE

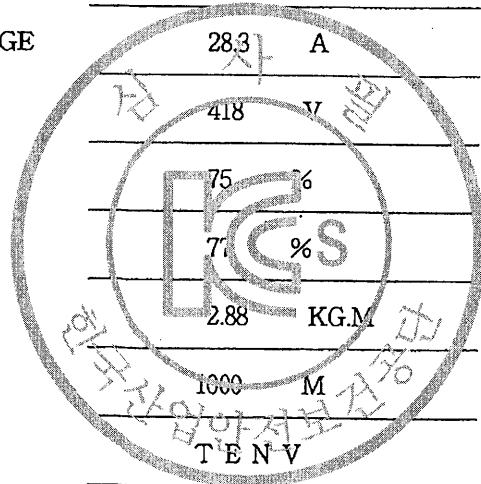


한국산업안전보건공단
KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

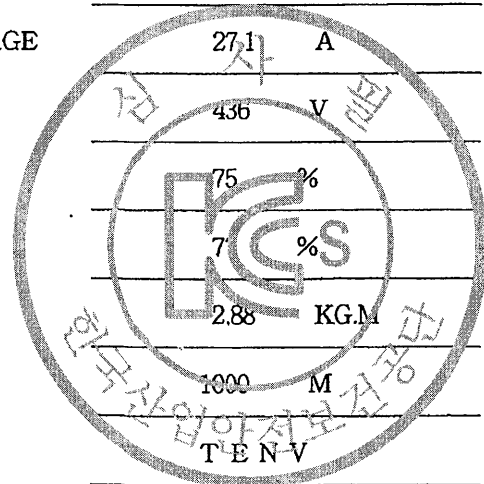
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	4.8 A
12. STARTING CURRENT AT RATED VOLTAGE	28.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. STARTING TORQUE	2.88 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 Z O N T A L
21. MAXIMUM AMBIENT TEM'URE	
22. BEARING LUBricATION	G R 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

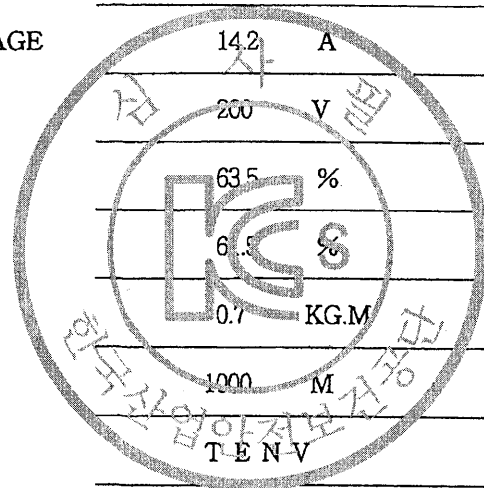
1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	112 S
4. RATED POWER	2.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	46 A
12. STARTING CURRENT AT RATED VOLTAGE	27.1 A
13. MINIMUM STARTING VOLTAGE	435 V
14. EFFICIENCY AT 100% RATED LOAD	75 %
15. POWER FACTOR AT 100% RATED LOAD	77 %S
16. STARTING TORQUE	2.88 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	H ZONTAL
21. MAXIMUM AMBIENT TEMPURE	
22. BEARING LUBRICATION	G R S E
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	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	2.7 A
12. STARTING CURRENT AT RATED VOLTAGE	14.2 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	64.5 %
16. STARTING TORQUE	0.7 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 I Z O N T A L
21. MAXIMUM AMBIENT TEMPERATURE	
22. BEARING LUBRICATION	G I S E
23. STARTING METHOD	F U L L V O L T A G E

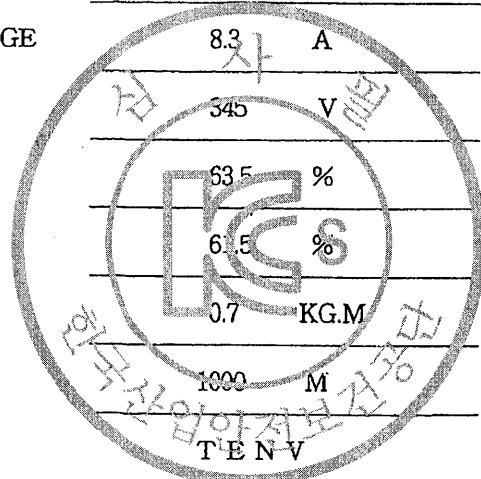


한국산업안전보건공단
KOSHA
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THREE PHASE INDUCTION MOTOR DATE SHEET

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	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	1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	8.3 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	53.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. STARTING TORQUE	0.7 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN-V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H ZONTAL
21. MAXIMUM AMBIENT TEMPTURE	
22. BEARING LUBRICATION	GR SE
23. STARTING METHOD	FULL VOLTAGE



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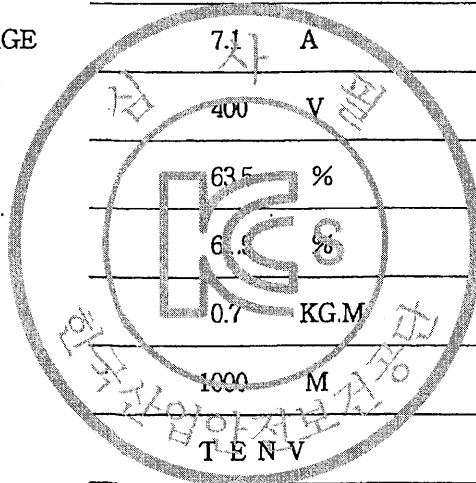
안전보건공단

KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY

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	1692 RPM
11. FULL LOAD CURRENT	1.4 A
12. STARTING CURRENT AT RATED VOLTAGE	7.1 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	6.5 %
16. STARTING TORQUE	0.7 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	H I Z O N T A L
21. MAXIMUM AMBIENT TEM-URE	
22. BEARING LUBRICATION	G I S E
23. STARTING METHOD	F U L L V O L T A G E



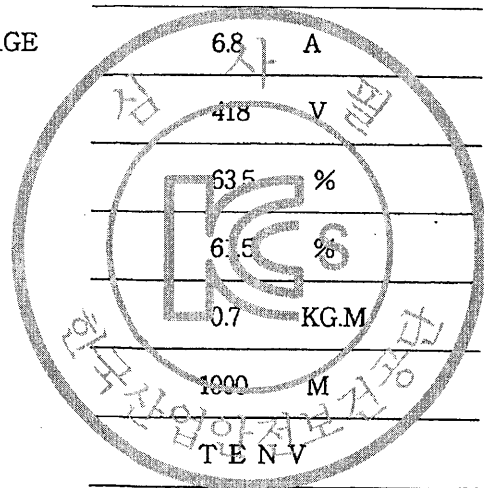
사원제하에만

안전보건공단
KOSHA

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

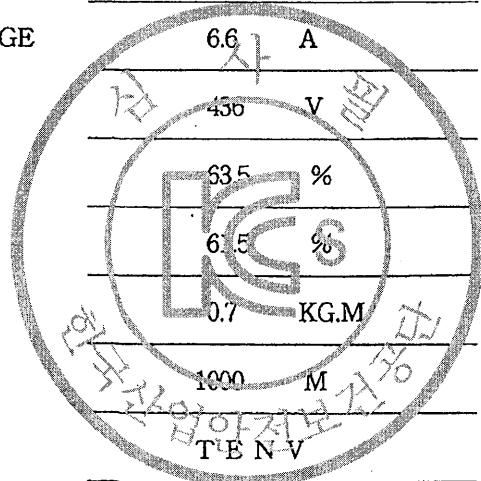
1. SERVICE	CREEP HOISTING
2. MANUFACTURE	극동호이스트(주)
3. FRAME NUMBER	80
4. RATED POWER	0.4 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.3 A
12. STARTING CURRENT AT RATED VOLTAGE	6.8 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	6.5 %
16. STARTING TORQUE	0.7 K.G.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	H Z O N T A L
21. MAXIMUM AMBIENT TEMPTURE	
22. BEARING LUBICATION	G F 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	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 °C
10. FULL LOAD SPEED	1692 RPM
11. FULL LOAD CURRENT	1.2 A
12. STARTING CURRENT AT RATED VOLTAGE	6.6 A
13. MINIMUM STARTING VOLTAGE	456 V
14. EFFICIENCY AT 100% RATED LOAD	63.5 %
15. POWER FACTOR AT 100% RATED LOAD	61.5 %
16. STARTING TORQUE	0.7 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	H ZONTAL
21. MAXIMUM AMBIENT TEMPTURE	
22. BEARING LUBRICATION	G R S E
23. STARTING METHOD	FULL VOLTAGE



대한민국

인재보건공단

KOSHA OCCUPATIONAL SAFETY & HEALTH AGENCY



No.600 Chuangye Road, Qingdao Development Zone, Shangdong, P.R.China
Tel : 86-532-86821916, Fax :86-532-86821949 www.kiswire.com

ISSUE NO. PW9034

DATE Jan. 29, 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** (B Grade)

TO MESSRS

MATERIAL DESCRIPTION **UNGALVANIZED STEEL WIRE ROPE**

06 X 37 + FC

1000M X 5 REEL

EX NO. **PW9034**

T/T NO.

ORDER NO.

REEL NO.

1~5

SAMPLING NO.

1

DIAMETER OF ROPE

12.5

mm

TYPE OF CORE

Fiber Core

SPECIFIED BREAKING LOAD

88.5

kN

SAMPLE BROKE AT

91.7

kN

WT. OF ZINC COATING OF OUTER WIRE

MIN.

g/m²

MAX.

g/m²

ROPE LAY

RHRL

LAY LENGTH

81.9

mm

LUBRICATION

A-2

CHEMICAL ANALYSIS OF WIRE ROD

CHARGE NO.	C×100	Si×100	Mn×100	P×1000	S×1000
050697E	70	23	72	5	5

DATE OF SAMPLE TEST

Jan. 15, 2010

CHIEF INSPECTOR D.S.NA
KISWIRE QINGDAO LTD.

산업재해예방

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



INVOICE NO. 2010 - 10 - 256 / PW10061

DATE 26. Oct, 2010

MILL TEST CERTIFICATE

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

OF KSD 3514 - 2002 (B Grade)

TO MESSRS KISWIRE LTD

MATERIAL DESCRIPTION UNGALVANIZED STEEL WIRE ROPE

06 x 36(WS) + PP 1,000.00 M x 10 REEL

TYPE KSD 3514-1997

EX NO. PW10105-8

ORDER NO. SMW1010-6/SAMJIN REEL NO. 41 - 50 SAMPLING NO. 41

DIAMETER OF ROPE 08.00 mm TYPE OF CORE POLYPROPYLENE

SPECIFIED NOMINAL

BREAKING STRENGTH 37.90 kN SAMPLE BROKE AT 42.96 kN

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

ROPE LAY RHRL LAY LENGTH 85.15 mm

LUBRICATION A-3

CHEMICAL ANALYSIS OF WIRE ROD

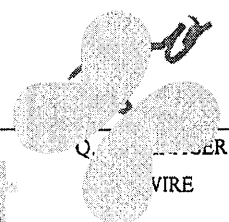
CHARGE NO.	C X 100	Si X 100	Mn X 100	P X 1000	S X 1000
SA21063591	72	21	57	8	12



DATE OF SAMPLE TEST 27. Oct, 2010

안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY



Q. INSPECTOR
VIRE