



제 2012 - 27282 호

안 전 인 증 서

(사업장명)

극동호이스트(주)

(소재지) 제425-833 경기도 안산시 성곡동 630-2 반월공단 B-607-14

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

_____ 품 목 _____

호이스트

_____ 형식,모델(용량,등급)/인증번호 _____

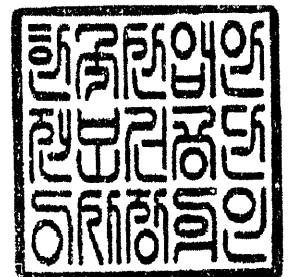
KD2.8 (2.8Ton) /12-AQ2AC-03173

_____ 인 증 기 준 _____

고용노동부 고시 제2011 - 39호 (위험기계,기구 의무안전인증 고시)

_____ 인 증 조 건 _____

2012년 08월 10일



한국산업안전보건공단이사장



심사결과 통지서

신청인	사업장명	극동호이스트(주)	사업장관리번호	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				
형식 (규격)		KD2.8	용량 (등급)	2.8 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.

2012년 06월 26일

인증심사원

강성두 변명수

(서명 또는 인)

한국산업안전보건공단 경기서부지도원장



서 면 심 사 서 류

형식 번호 : KD2.8

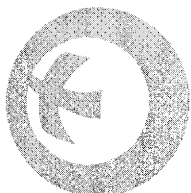
극 동 호 이 스트 (주)

工場 : 경기도 안산시 단원구 성곡동 630-2 반월공단607-14

電話 : 031) 491 - 5311

FAX : 031) 494 - 5315

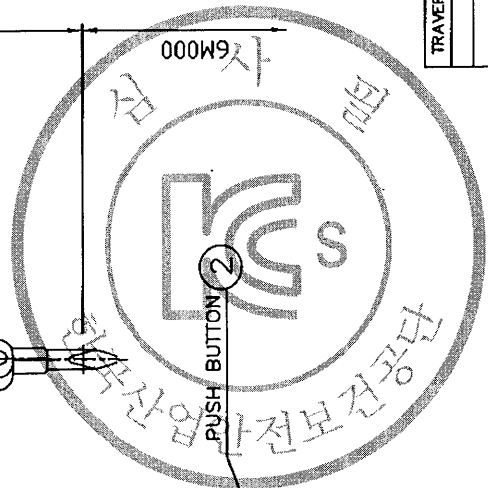
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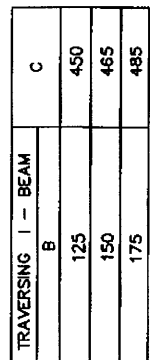
한국산업안전보건공단

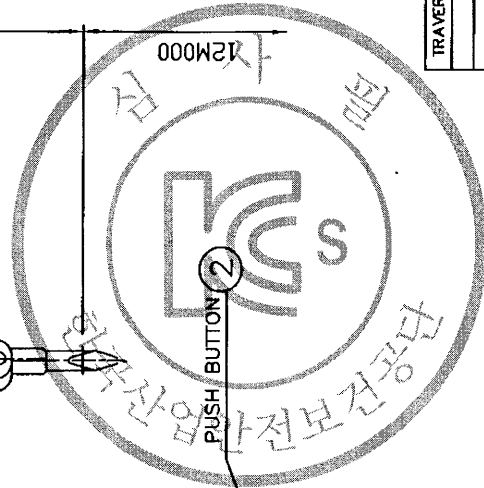
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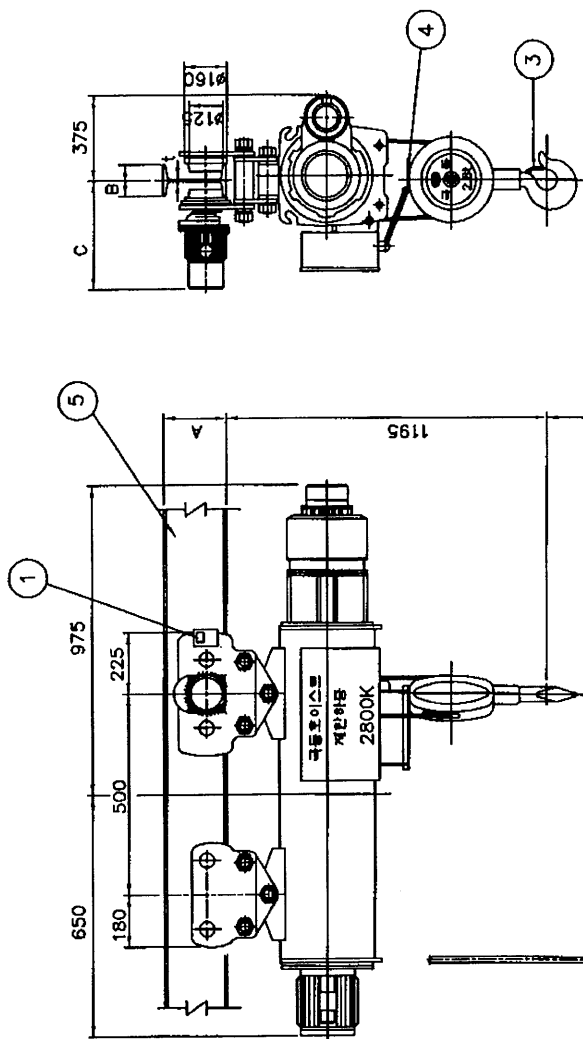


5	I-BEAM	SS400	—	—	TABLE NO.
4	UPPER LIMIT S/W	SS400	1		
3	SAFETY LATCH	SPC	1		
2	EMERGENCY S/W	—	1		
1	LOAD LIMITER	—	1		
NO.	DESCRIPTION	MTL	SUB TOTAL	SUB TOTAL	REMARKS.
			QTY	WEIGHT(Kg)	
PROJECT			DATE	DMI	
				mm	
TITLE	KDC2.8 - L6 - M ARRANGEMENT DRAWING FOR HOIST		SCALE	PROJECTION	
				A3/15	
DRAWN			DESIGNED	CHECKED	3rd
				APPROVED	
				REF. DRAWING	
 KID KUK DONG HOIST CO., LTD.			SHEET No.	DWG No.	KDC28M6000

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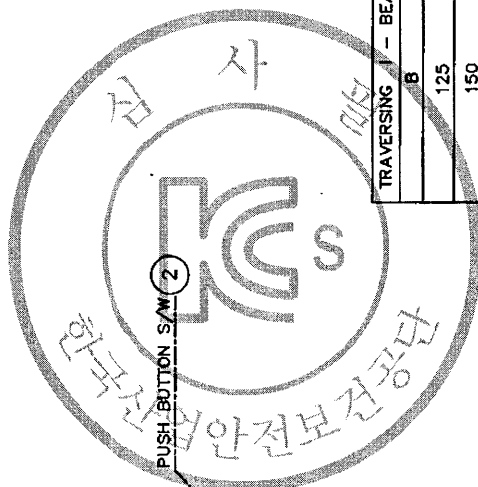
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3	SAFETY LATCH	SPC	1		
2	EMERGENCY S/W	—	1		
1	LOAD LIMITER	—	1		
NO.	DESCRIPTION	MTL	SUB QTY	TOTAL SUB WEIGHT(Kg)	REMARKS.
PROJECT		DATE		DIM	
TITLE		SCALE		PROJECTION	
KDC2.8 - L12 - M		A3/15		3rd	
ARRANGEMENT DRAWING FOR HOIST		REF. DRAWING			
DRAWN		DESIGNED	CHECKED	APPROVED	
KUD		KUK DONG HOIST CO., LTD.		SHEET No.	DWG No.
					KDC28M1200



SPECIFICATION	
RATED LOAD	2800 KG
TESTING LOAD	3500 KG
LIFT	18 M
RATING	30 MIN
HOISTING	SPEED MOTOR
	9 / 0.9 M/MIN
TRAVERSING	SPEED MOTOR
	5.0 / 1.5 KW x 4 P
TRAVERSING	SPEED MOTOR
	24 M/MIN
TRAVERSING	SPEED MOTOR
	0.75 KW x 4 P
TRAVERSING	SPEED MOTOR
	16 M/MIN
TRAVERSING	SPEED MOTOR
	0.5 KW x 6 P
TRAVERSING	SPEED MOTOR
	24 / 12 M/MIN
TRAVERSING	SPEED MOTOR
	0.8 / 0.4 KW x 4/8 P
TRAVERSING	SPEED MOTOR
	16 / 8 M/MIN
TRAVERSING	SPEED MOTOR
	0.5 / 0.25 KW x 6/12 P
WIRE ROPE	(6x37) #12.5 x 2 FALLS
POWER SOURCE	AC 3# 220V(380,440,480) 60HZ
COLOR	10 B 3/5
WEIGHT	565 KG

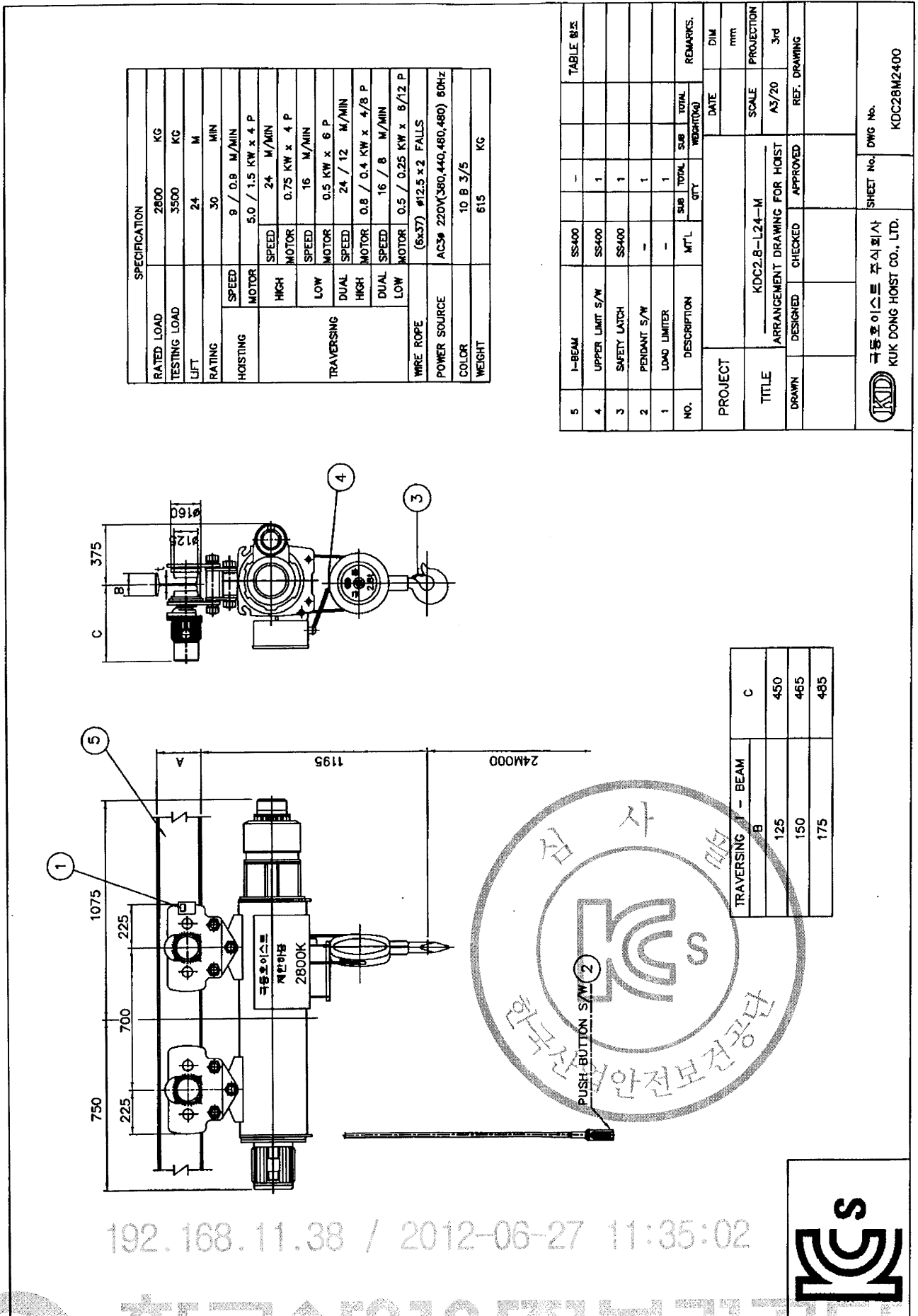
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4	UPPER LIMIT S/W	SS400	1	-	
3	SAFETY LATCH	SS400	1	-	
2	PENDANT S/W	-	1	-	
1	LOAD LIMITER	-	1	-	
NO.	DESCRIPTION	MTL	SUB QTY	SUB TOTAL WEIGHT(Kg)	REMARKS.
PROJECT					
TITLE					
ARRANGEMENT DRAWING FOR HOIST					
DRAWN					
DESIGNED					
CHECKED					
APPROVED					
REF. DRAWING					
DATE					
DIM					
mm					
SCALE					
PROJECTION					
A3/20					
3rd					
KDC2.8-L18-M					
KDK					
KUK DONG HOIST CO., LTD.					
SHEET No.					
DWG No.					
KDC28M1800					

TRAVERSING / - BEAM	C
125	450
150	465
175	485



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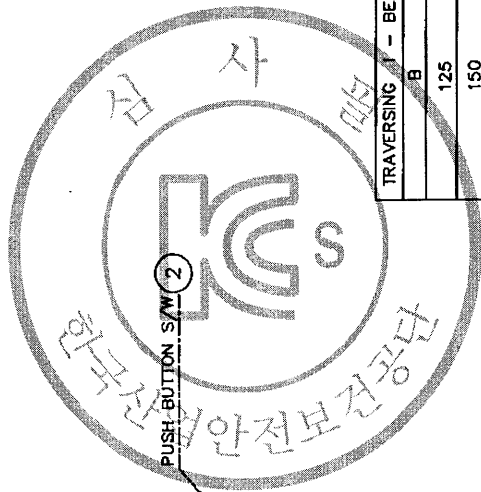
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SPECIFICATION			
RATED LOAD	2800	KG	
TESTING LOAD	3500	KG	
LIFT	24	M	
RATING	30	MIN	
HOISTING	SPEED	9 / 0.9	M/MIN
	MOTOR	5.0 / 1.5	KW x 4 P
	SPEED	24	M/MIN
TRAVERSING	MOTOR	0.75	KW x 4 P
	SPEED	16	M/MIN
	MOTOR	0.5	KW x 6 P
DUAL	SPEED	24 / 12	M/MIN
	MOTOR	0.8 / 0.4	KW x 4/8 P
	SPEED	16 / 8	M/MIN
LOW	MOTOR	0.5 / 0.25	KW x 8/12 P
	(6x37) #12.5 x 2	FALLS	
	POWER SOURCE	AC3φ 220V(380,440,480)	60Hz
COLOR	10 B 3/5		
WEIGHT	615	KG	

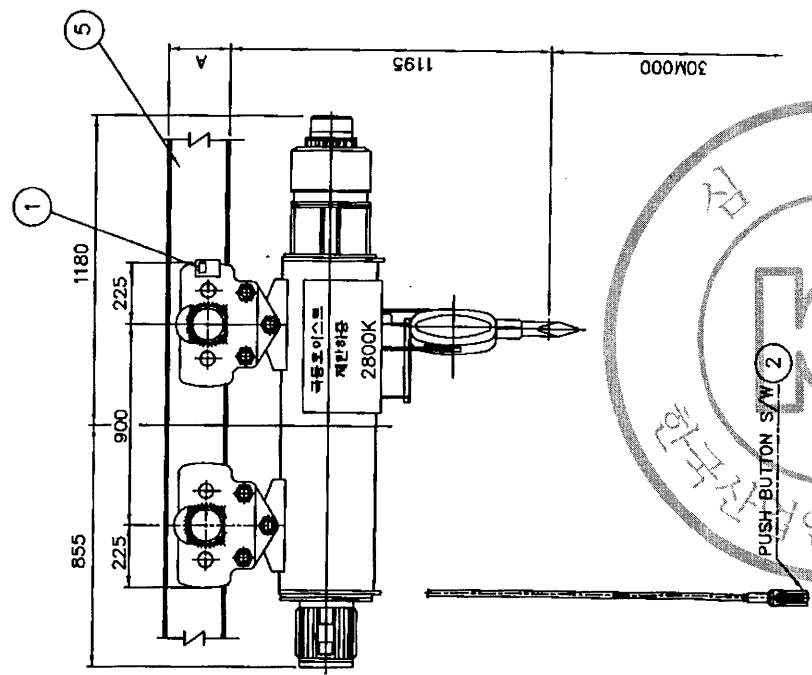
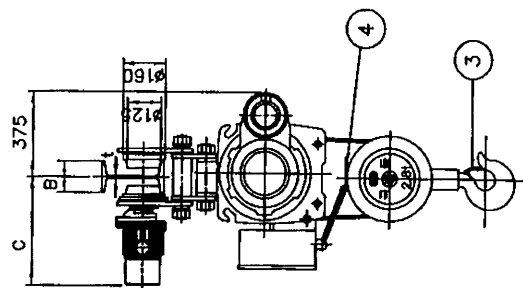
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4	UPPER LIMIT S/W	SS400	1				
3	SAFETY LATCH	SS400	1				
2	PENDANT S/W	-	1				
1	LOAD LIMITER	-	1				
NO.	DESCRIPTION	M/T L	SUB	TOTAL	SUB	TOTAL	REMARKS.
			QTY		WEIGHT(Kg)		
PROJECT						DATE	DIM
TITLE		KDC2.8-L24-M				SCALE	mm
		ARRANGEMENT DRAWING FOR HOIST				A3/20	3rd
						REF. DRAWING	
DRAWN	DESIGNED	CHECKED	APPROVED				

TRAVERSING / - BEAM	C
B	450
125	465
150	485
175	



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TRAVERSING T - BEAM		C
B	125	450
	150	455
	175	485

SPECIFICATION			
RATED LOAD	2800	KG	
TESTING LOAD	3500	KG	
LIFT	30	M	
RATING	30	MIN	
HOSTING	SPEED	9 / 0.9	M/MIN
	MOTOR	5.0 / 1.5 KW x 4 P	
	SPEED	24	M/MIN
HIGH	MOTOR	0.75 KW x 4 P	
	SPEED	16	M/MIN
	MOTOR	0.5 KW x 6 P	
TRAVERSING	SPEED	24 / 12	M/MIN
	MOTOR	0.8 / 0.4 KW x 4/8 P	
	SPEED	16 / 8	M/MIN
LOW	MOTOR	0.5 / 0.25 KW x 6/12 P	
	(6x37) #12.5 x 2	FALLS	
	AC3# 220V(380,440,480,480)	60Hz	
POWER SOURCE	10 B 3/5	KG	
COLOR	685	KG	
HEIGHT			

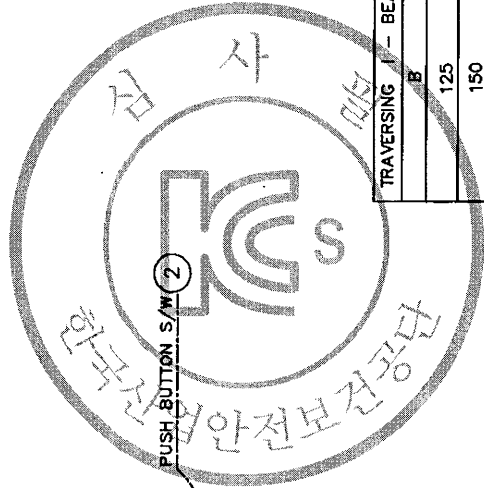
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4	UPPER LIMIT S/W	SS400	1		
3	SAFETY LATCH	SS400	1		
2	PENDANT S/W	-	1		
1	LOAD LIMITER	-	1		
NO.	DESCRIPTION	MTL	SUB QTY	SUB WEIGHT(KG)	REMARKS.
PROJECT	DATE				
TITLE	KDC2.B-L30-M				
ARRANGEMENT DRAWING FOR HOIST	SCALE				
DRAWN	DESIGNED	CHECKED	APPROVED	AS/20	3rd
				RET. DRAWING	
KUK DONG HOIST CO., LTD.					
SHEET No. KDC28M3000					

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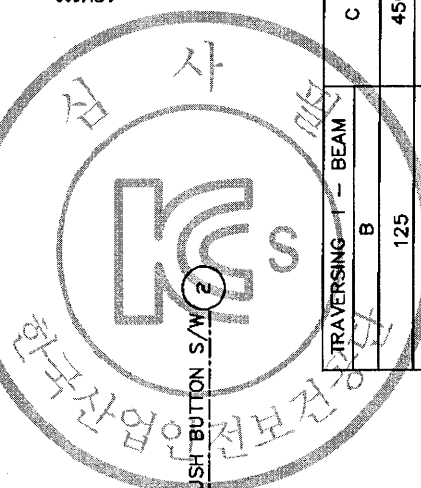


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한국산업안전보건공단 KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

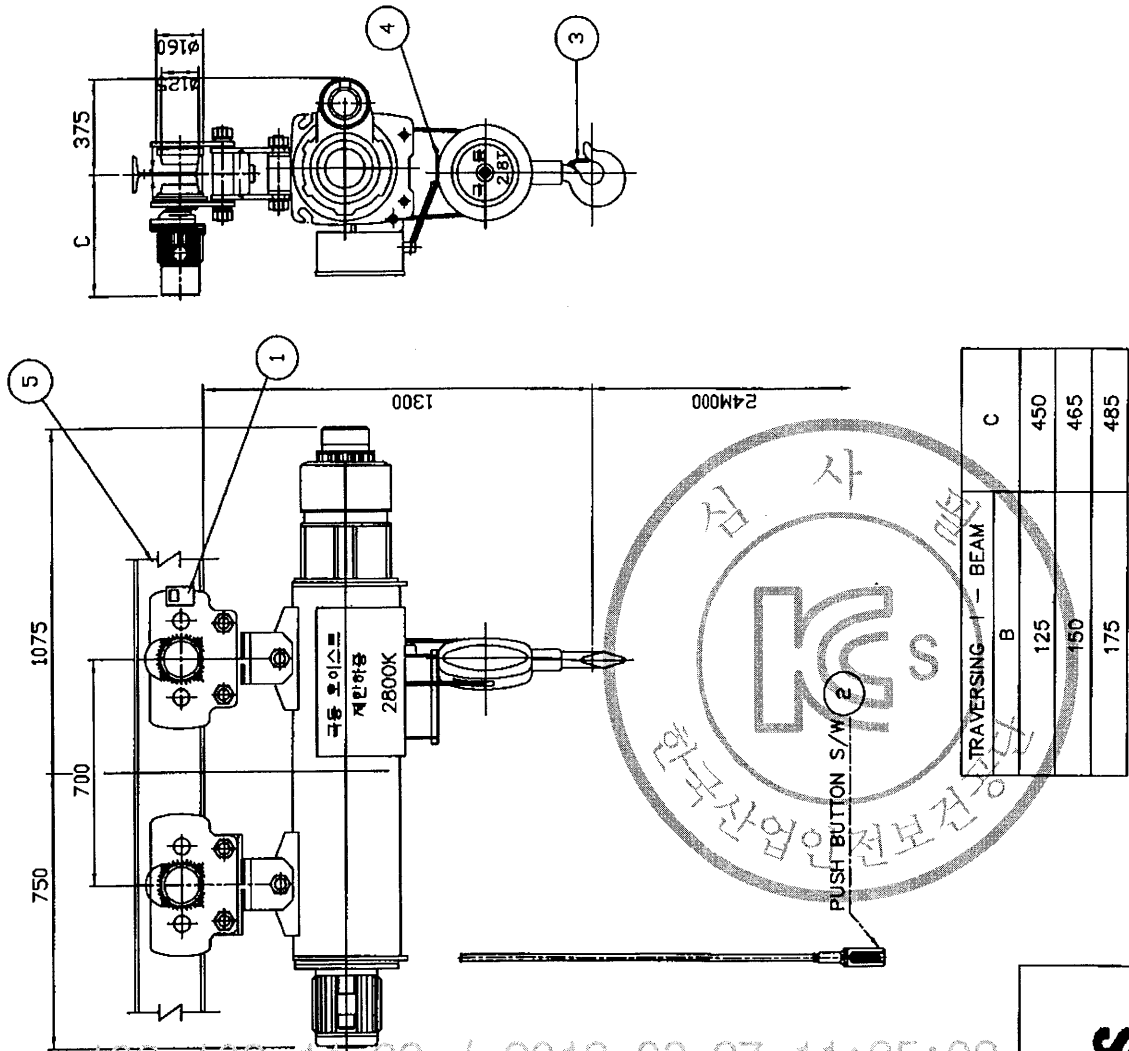


5	I-BEAM	SS400	-			TABLE 102
4	UPPER LIMIT S/W	SS400	1			
3	SAFETY LATCH	SS400	1			
2	PENDANT S/W	-	1			
1	LOAD LIMITER	-	1			
NO.	DESCRIPTION	MTL	SUB QTY	TOTAL SUB WEIGHT(Kg)	TOTAL	REMARKS.
PROJECT					DATE	DIM mm
TITLE		KDC2.8-L36-M			SCALE	PROJECTION
		ARRANGEMENT DRAWING FOR HOIST			A3/20	3rd
DRAWN	DESIGNED	CHECKED	APPROVED		REF.	DRAWING
 KUK DONG HOIST CO., LTD.		SHEET No.	DWG No.			KDC28M3600

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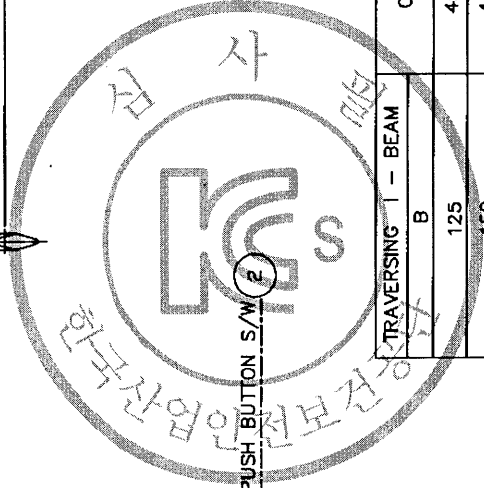
SPECIFICATION			
RATED LOAD		2800	KG
TESTING LOAD		3500	KG
LIFT		24	M
RATING		30	MIN
HOISTING	SPEED	9 / 0.9	M/MIN
	MOTOR	5.0 / 1.5 KW x 4P	
TRAVERSING	SPEED	16	M/MIN
	MOTOR	(0.5 KW x 6 P) x 2UNIT	
HIGH	SPEED	24	M/MIN
	MOTOR	(0.75 KW x 4 P) x 2UNIT	
DUAL LOW	SPEED	16/8	M/MIN
	MOTOR	(0.5/0.25 KW x 6/12 P) x 2UNIT	
DUAL HIGH	SPEED	24/12	M/MIN
	MOTOR	(0.8/0.4 KW x 4/8 P) x 2UNIT	
WIRE ROPE		(6x37) ϕ 12.5 x 2 FALLS	
POWER SOURCE		AC3 ϕ 220V(380,440,480)V 60Hz	
COLOR		10 B 3/5	
GROSS WEIGHT		615	KG

NO.	DESCRIPTION	M/T/L	QTY		SUB WEIGHT(Kg)		REMARKS.
			SUB	TOTAL	SUB	TOTAL	
5	I-BEAM	SS400	-	-	-	-	
4	UPPER LIMIT S/W	SS400	1	1			
3	SAFETY LATCH	SPC	1	1			
2	PENDANT S/W	-	1	1			
1	LOAD LIMITER	-	1	1			
PROJECT							
TITLE							
DRAWN							
DESIGNED							
CHECKED							
APPROVED							
DATE							
SCALE							
PROJECTION							
ARRANGEMENT DRAWING FOR HOIST							
A3/20							
REP. DRAWING							
SHEET No.							
DWG No.							
KDC28M2400H							



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국동호이스트 주식회사
KUK DONG HOIST CO., LTD.

SHEET No. DWG No. KDC28M3000H

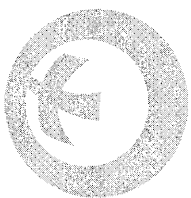
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(KDC2.8 - L6, 9, 12, 18, 24, 30, 36 - M)

(KDC2.8 - L18, 24, 30, 36 - M - H)



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ELECTRICAL SPECIFICATION

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

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

OBJECT	MOTOR OUTPUT	220V		380V		440V	460V	480V	440, 460, 480V	BRAKE	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN HOIST	5.0KW x 4P 30 MIN	22.80 A	6.0 sq	12.20 A	6.0 sq	10.5 A	10.0 A	9.6 A	6.0 sq	DC MAG. BRAKE	
CREEP HOIST	1.5KW x 4P 30 MIN	7.30 A	4.0 sq	4.20 A	4.0 sq	3.7 A	3.5 A	3.4 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	4.10 A	4.0 sq	2.40 A	4.0 sq	2.00 A	2.00 A	1.90 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	LOW	3.40 A	4.0 sq	2.00 A	4.0 sq	1.70 A	1.70 A	1.60 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	HIGH/LOW	4.80 A	4.0 sq	2.78 A	4.0 sq	2.40 A	2.30 A	2.30 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
	HIGH/LOW	3.20 A	4.0 sq	1.85 A	4.0 sq	1.80 A	1.78 A	1.76 A	4.0 sq	DC MAG. BRAKE	1 DRIVE
CONTROL CIRCUIT		2 A	2.5 sq	2 A	2.5 sq	2 A	2 A	2 A	2.5 sq		
LIGHTING & ACC'Y CIRCUIT											
SUB TOTAL (PEAK LOAD)		28.90 A	10.0 sq	16.60 A	6.0 sq	14.50 A	14.00 A	13.50 A	6.0 sq	I(A)=M/H + T/S + ASS'Y	
SUB TOTAL (NORMAL LOAD)		28.20 A	10.0 sq	16.20 A	6.0 sq	14.20 A	13.70 A	13.20 A	6.0 sq	I(A)=M/H + T/S + ASS'Y	

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

*. 위 계산은 LIFT 6, 9, 12M에 적용.

ELECTRICAL SPECIFICATION

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

CONTROL SOURCE : AC 1Φ 110V 60Hz

OBJECT	MOTOR OUTPUT	220V		380V		440V	460V	480V	440, 460, 480V	BRAKE	REMARK
		STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	1st CABLE SIZE	STATOR CURRENT	STATOR CURRENT	STATOR CURRENT	1st CABLE SIZE		
MAIN HOIST	5.0KW x 4P 30 MIN	22.80 A	6.0 sq	12.20 A	6.0 sq	10.5 A	10.0 A	9.6 A	6.0 sq	DC MAG. BRAKE	
CREEP HOIST	1.5KW x 4P 30 MIN	7.30 A	4.0 sq	4.20 A	4.0 sq	3.7 A	3.5 A	3.4 A	4.0 sq	DC MAG. BRAKE	
TRAVERSING	HIGH	4.10 A	4.0 sq	2.40 A	4.0 sq	2.00 A	2.00 A	1.90 A	4.0 sq	DC MAG. BRAKE	2 DRIVE
	LOW	3.40 A	4.0 sq	2.00 A	4.0 sq	1.70 A	1.70 A	1.60 A	4.0 sq	DC MAG. BRAKE	2 DRIVE
	HIGH/LOW	4.80 A	4.0 sq	2.78 A	4.0 sq	2.40 A	2.30 A	2.30 A	4.0 sq	DC MAG. BRAKE	2 DRIVE
	LOW/LOW	3.20 A	4.0 sq	1.85 A	4.0 sq	1.80 A	1.78 A	1.76 A	4.0 sq	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		
LIGHTING & ACC'Y CIRCUIT											
SUB TOTAL (NORMAL LOAD)		31.60 A	16.0 sq	16.20 A	10.0 sq	15.9 A	15.40 A	14.80 A	6.0 sq	I(A)=M/H + T/S +	ASS'Y
SUB TOTAL (PEAK LOAD)		33.00 A	16.0 sq	16.60 A	10.0 sq	16.5 A	16.00 A	15.40 A	6.0 sq	I(A)=M/H + T/S +	ASS'Y

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

* 위 계산은 LIFT 18, 24, 30, 36M에 적용.

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	HOIST POWER SOURCE WITH EARTH	VCT 1.0SQ x 1C																	
6	HOISTING MOTOR WITH EARTH	VCT 8.0SQ x 1C																	
7	CREEP MOTOR WITH EARTH	VCT 4.0SQ x 1C																	
8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C																	

* CV CABLE 4C중 1C는 EARTH로 사용함.

- NOTE -

1. 전동기 외함, 제어반의 프레임 등은 접지하여 그 접지 저항을

400V 미만 : 100옴 이하일것.(3중 접지)

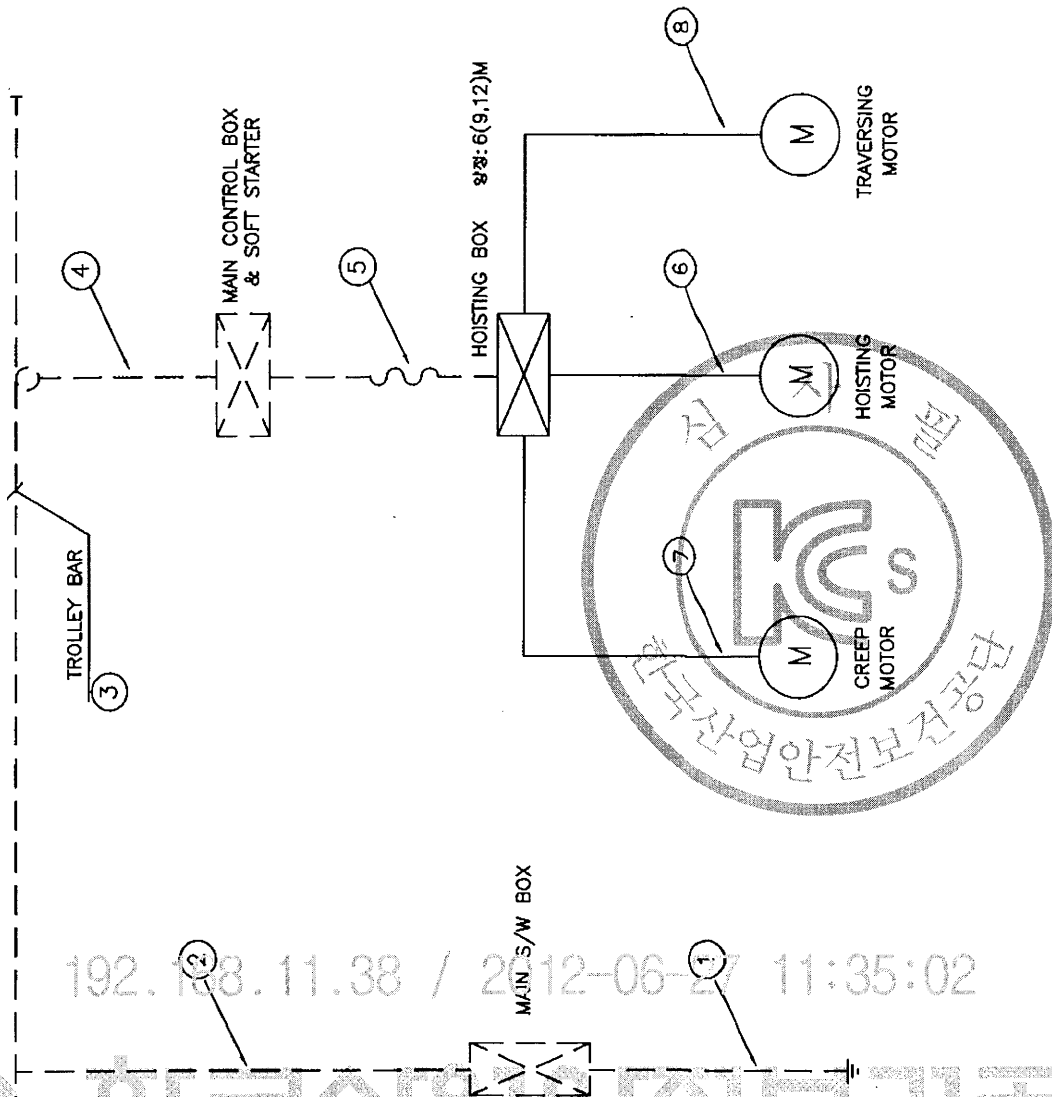
400V 이상 : 10옴 이하일것.(복 3중접지)

2.MAIN S/W BOX는 3중 접지 요.

동전위접지

1. 전기장비와 기계의 노출된 모든 도전부는 보호접지회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야 함.

2. 보호접지회로에는 기폐기, 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

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUKDONG HOIST CO., LTD.						KDC28-EC000
KUKDONG HOIST CO., LTD.						
EARTH DETAILS DRAWING						
CUSTOMER						
DRAWING TITLE						
CHK. APP.						
REVISIONS						
DATE						
WK						

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NO	DESCRIPTION	CABLE SIZE
1	MAIN EARTH LINE	USER SCOPE
2	POWER SOURCE	USER SCOPE
3	TROLLEY BAR	USER SCOPE
4	POWER SOURCE WITH EARTH	USER SCOPE
5	HOIST POWER SOURCE WITH EARTH	VCT 16SQ x 1C
6	HOISTING MOTOR WITH EARTH	VCT 6.0SQ x 1C
7	CREEP MOTOR WITH EARTH	VCT 4.0SQ x 1C
8	TRAVERSING MOTOR WITH EARTH	VCT 4.0SQ x 1C

* CV CABLE 4C중 1C는 EARTH로 사용함.

- NOTE -
1. 전동기 외함, 제어반의 프레임 등은 접지하
여 그 접지 저항은

400V 미만 : 100옴 이하일것.(3중 접지)

400V 이상 : 10옴 이하일것.(특 3중접지)

2.MAIN S/W BOX는 3중 접지 요.

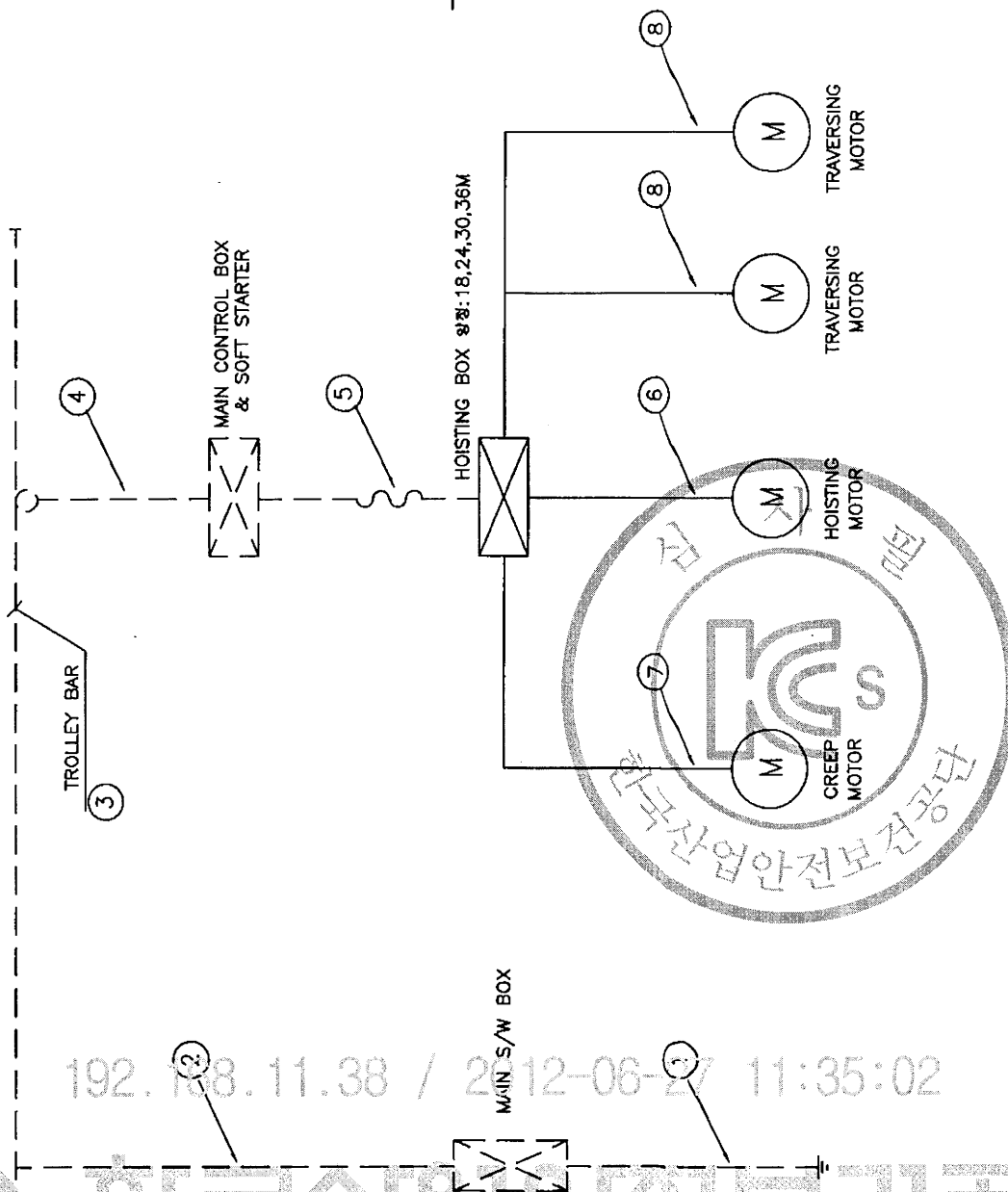
동전위접지

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

2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 한다.

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

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



NO	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
1						EARTH DETAILS DRAWING					NONE		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

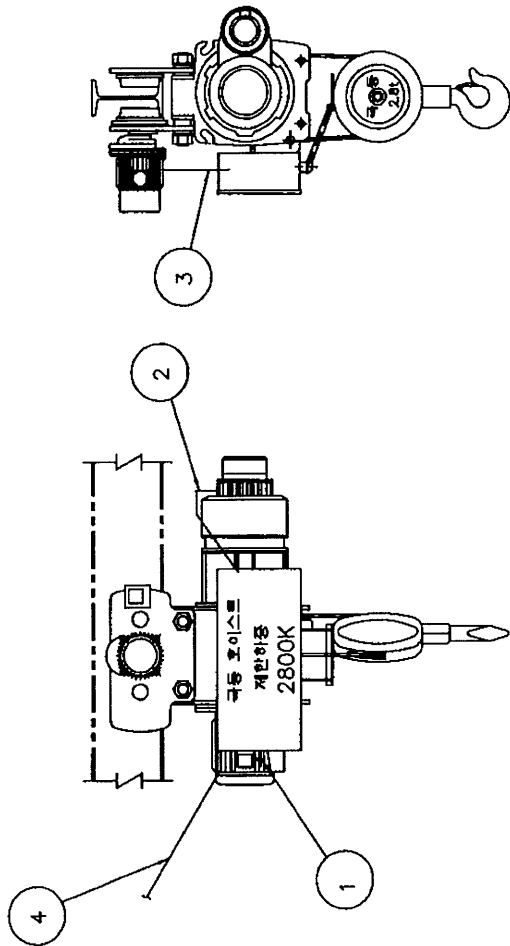
극동호이스트 주식회사
KUK DONG HOIST CO., LTD.



DWG. NO

KDC28-EC001

* MAIN POWER : AC 3PH 220V,380V,440V,460V,480 60Hz (LIFT 6.9,12M)



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

*3중 접지공사 100Ω 이하 (AC 3PH 400V 미만)
*특3중 접지공사 10Ω 이하 (AC 3PH 400V 이상)

동전위접지

1. 전기장비와 기계의 노출된 모든 도전부는 보호접지회로에 연결되어야 하며
적절한 접지연속성 기능이 유지되어야 함.

2. 보호접지회로에는 기계가, 과전류보호장치가 부착되지 않아야 함.

NO	CABLE		REMARK
	TYPE	SIZE	
1	HOIST	220V 380V 440V,460V,480V	HOIST MOTOR WITH EARTH
2	CREEP	6.0sq VCT	6.0sq
3	T/S	4.0sq VCT	4.0sq
4	MAIN	10sq VFCT	6.0sq

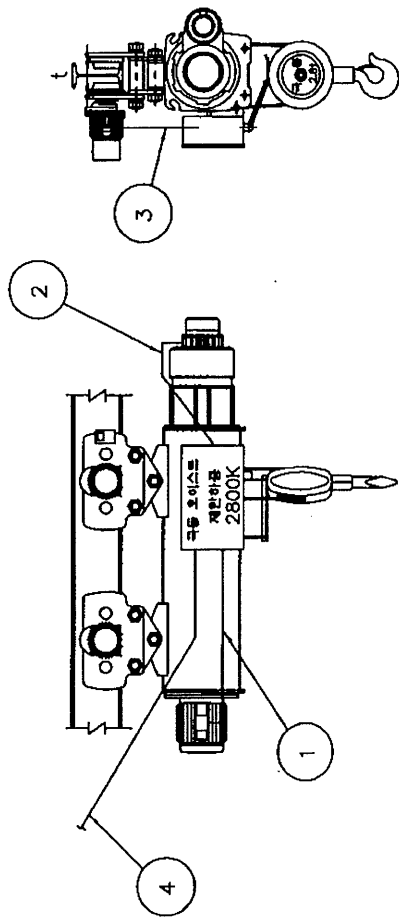
시험대상 전선의 최소 유효단면적	최고전압강하(V)
1.0	3.3
1.5	2.6
2.5	1.6
4.0	1.4
>6.0	1.0

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
극동호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO KDC28E0601
GROUND WIRE SYSTEM						
DATE	REVISIONS	CHK.	APP.			
11/27						

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



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

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

NO	TYPE	CABLE		TYPE	SIZE	REMARK
		SIZE	TYPE			
1	HOIST VCT	220V 6.0sq	380V 6.0sq	VCT	4.0sq	HOIST MOTOR WITH EARTH
2	CREEP VCT	4.0sq	4.0sq	VCT	4.0sq	CREEP MOTOR WITH EARTH
3	T/S VCT	4.0sq	4.0sq	VCT	4.0sq	T/S MOTOR WITH EARTH
4	MAIN VFCT	16sq	10sq	VFCT	6.0sq	MAIN POWER WITH EARTH

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

동원위점지

1. 전기장비와 기계의 노출된 모든 도선부는 보호본딩회로에 연결되어야 하며 적절한 접지연속성 기능이 유지되어야 함.
2. 보호본딩회로에는 개폐기, 과전류보호장치가 부착되지 않아야 함.

MK	DATE	REVISIONS	CHK.	APP.	CUSTOMER	DRAWING TITLE	DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
						GROUND WIRE SYSTEM					NONE		
 국동호이스트 주식회사 KUK DONG HOIST CO., LTD.													
DWG. NO												KDC28E0602	

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한국의 산업인쇄업 동향

Figure 1 consists of two line drawings of a mechanical device. The top drawing is a side profile view showing a hook at the top, a pressure gauge with a needle, and a main body. The bottom drawing is a front view of the same device, showing a label with the text '2800K', '저압하중' (Low Pressure Load), and '극대 포이스' (Maximum Force). Three callouts are present: '1' points to the bottom of the main body, '2' points to the base of the device, and '3' points to the top of the main body.

ELECTRIC WIRE ROPE HOIST			
MODEL	RATING	min	
CAPACITY	LIFT	m	
HOIST SPEED	POWER SOURCE	V	HZ
HOIST MOTOR	AMP.S	R&T	HOIST
TRAV.SPEED	AMP.S	R&T	TRAV.
TRAV.MOTOR	WIRE ROPE	Ø	
WIDTH OF RAIL	WEIGHT	mm	kg
DATE	SERIAL		

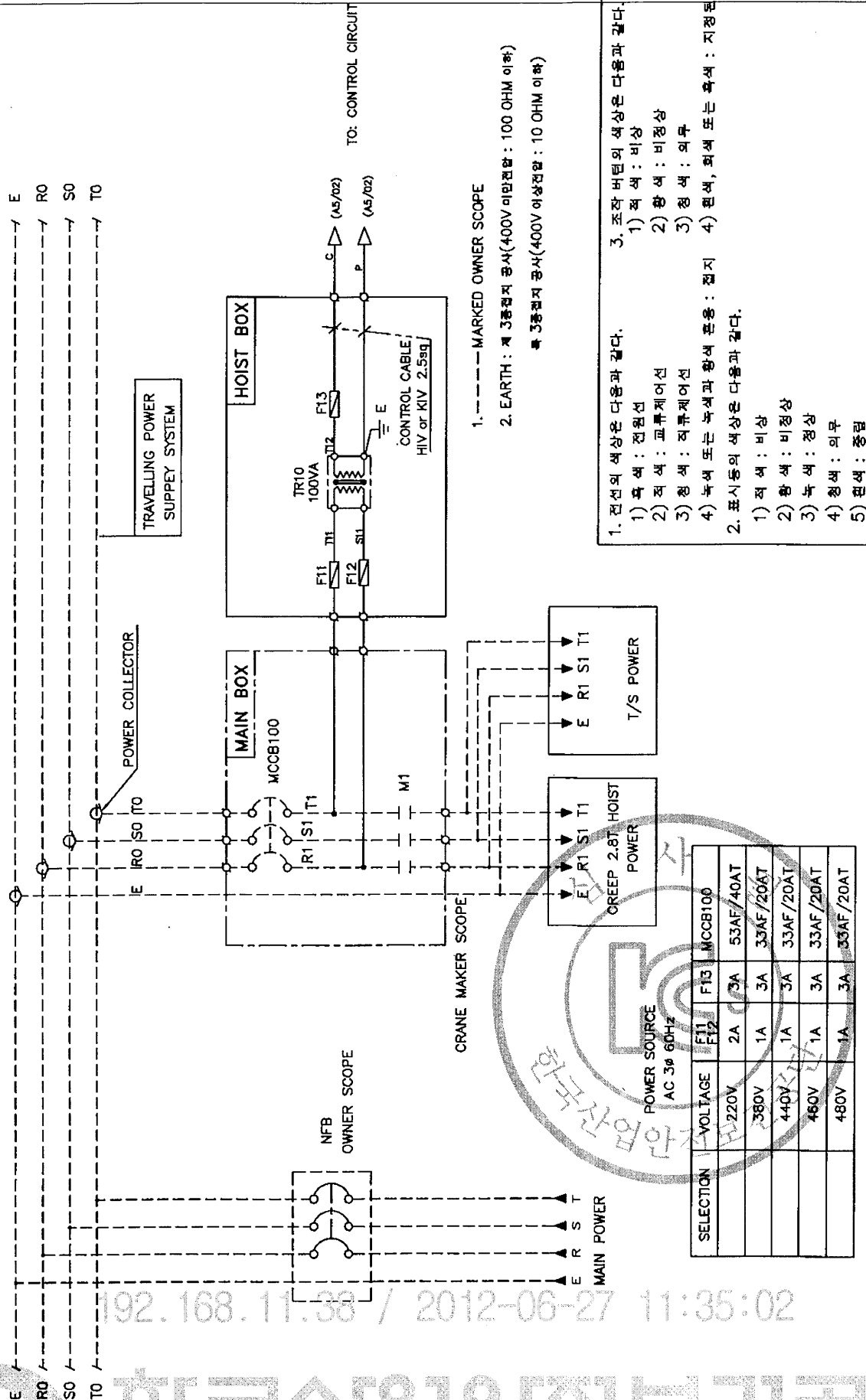
3 PHASE INDUCTION MOTOR			
	KW	P TYPE	TENV
VOLTS		V RATING	min
AMP. S	A	AMP. TEMP	40°C
HEARTS		INS. CLASS	F
R.P.M		BEARING	
ROTOR	C	BEARING	
SERIAL		DATE	

KUKDONG HOIST CO.,LTD

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

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVELLING POWER SUPPLY SYSTEM																			
ADR'S NO.																			A1



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
MAIN POWER CIRCUIT 1					NONE		
DIAGRAM							
REVISIONS		CHK.	APP.				
DATE							
KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		DWG. NO		KDC28E001	

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Technical drawings of door and window thresholds. The left drawing shows a cross-section of a door threshold with dimensions: 20 (width of the base), 20 (width of the top flange), 20 (width of the central channel), and 25 (height of the central channel). A hatched area is labeled 'SPONGE'. The right drawing shows a cross-section of a window threshold with dimensions: 15 (width of the base) and 20 (width of the central channel). A hatched area is labeled 'SPONGE'. A circular detail view is shown at the top right of the page.

A. INDOOR TYPE : DUST PROOF
B. OUT DOOR TYPE : SPLASH PROOF
2. FINAL PAINTING COLOR (MANSELL NO.)
A. IN SIDE : 10B 3/5
B. OUT SIDE : 10B 3/5
3. PAINTING THICKNESS : ABOVE 40 μ m
4. APPLICATION VOLTAGE : 220V, 380V, 440V, 460V, 4
5. 제어용 전선 : 2.5sq KIV, H/V
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.

[illegible]

11	12	13	14	15	16	17	18	19	20
ADR'S NO.									

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 연 도 플
2	CABLE DUCT	-	1	
3	MCCB100	53AF/40AT	1	HOISTING
4	MAGNET CONTACT	DMC65C	2	HOISTING
5	MAGNET CONTACT	DMC40C	2	CREEP HOIST
6	SILICON RECTIFIER	SR-30	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOIST
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOIST
10	FUSE F11,F12	2 A	2	
11	FUSE F13	3 A	1	
12	TRANSFORMER	220V/110V,120V, 100VA	1	
13	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
14	TERMINAL BLOCK	60A,15A		
15	EARTH TERMINAL	31x20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

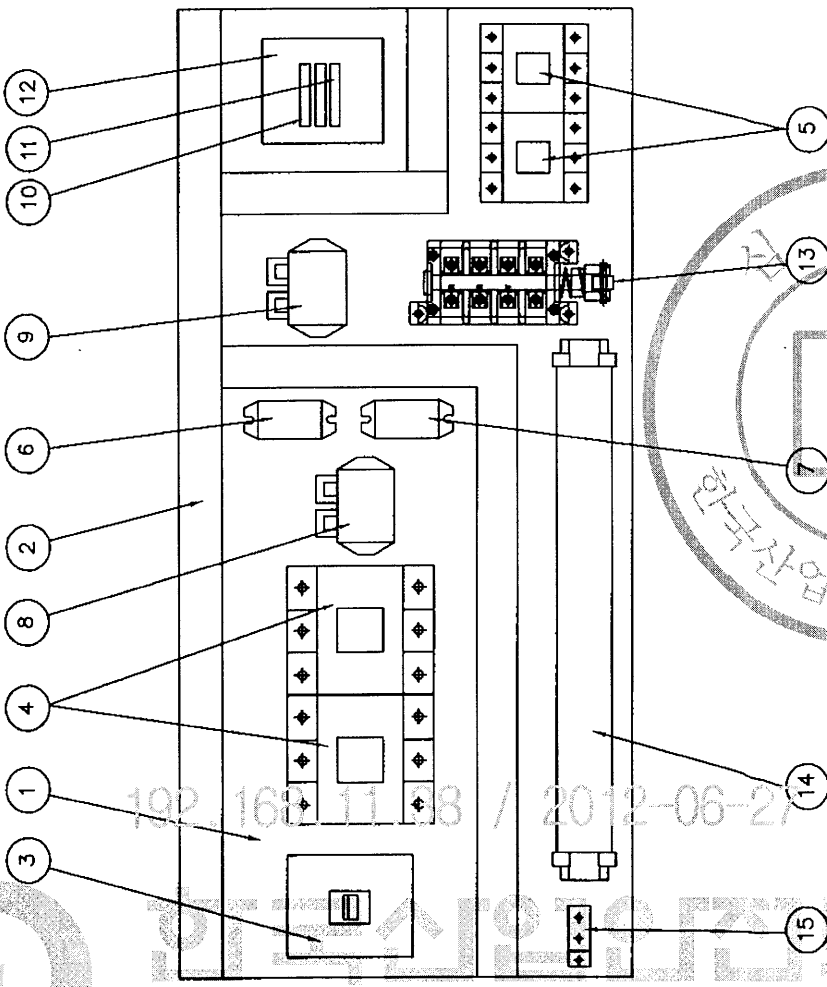
- 1) 흑색 : 교류 및 직류전원선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

- 3. 제어용 전선 : 2.5mm KIV,HIV
- 4. 제어시 다스 변경 필수있음.
- 5. 외함 기방구조는 다음과 같을것.

- 1) 외함 기방시 중전부분이 차단되도록 할것.
- 2) 외함 기방후 중전되어있는 부분은 IP2X 이상의 직접 접촉 보호가 되어있을것.



NOTE

- 1. UPPER LIMIT LS-1,LS-2의 직접 허용 전류 용량 : AC 600V, 75A
- 2. POWER SOURCE : AC 3φ 220V 60HZ
- 3. * OWNER SCOPE (CRANE & HOIST 제작사)
* MAKER SCOPE (MONDRAIL/중/HOIST 제작사)



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20.
ADR'S NO.

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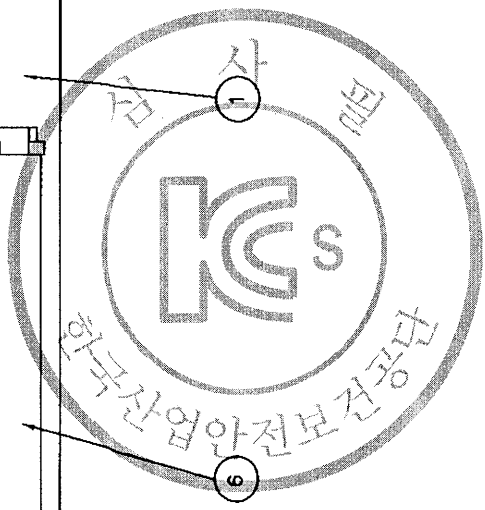
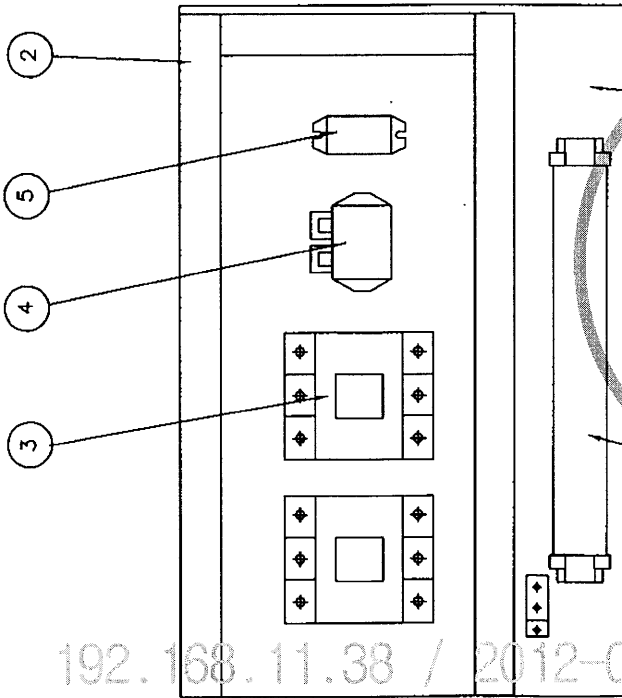
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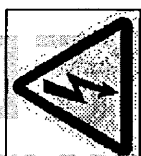
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1



NOTE 1. 전선의 색상은 다음과 같다.
1) 흑색 : 교류 및 직류전원선
2) 적색 : 교류제어선
3) 청색 : 직류제어선
4) 녹색 또는 녹색과 노랑 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제자리 다스 변경 될수있음.
5. 외함 개방구조는 다음과 같을것.
1) 외함 개방시 충전부분이 차단되도록 할것.
2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것

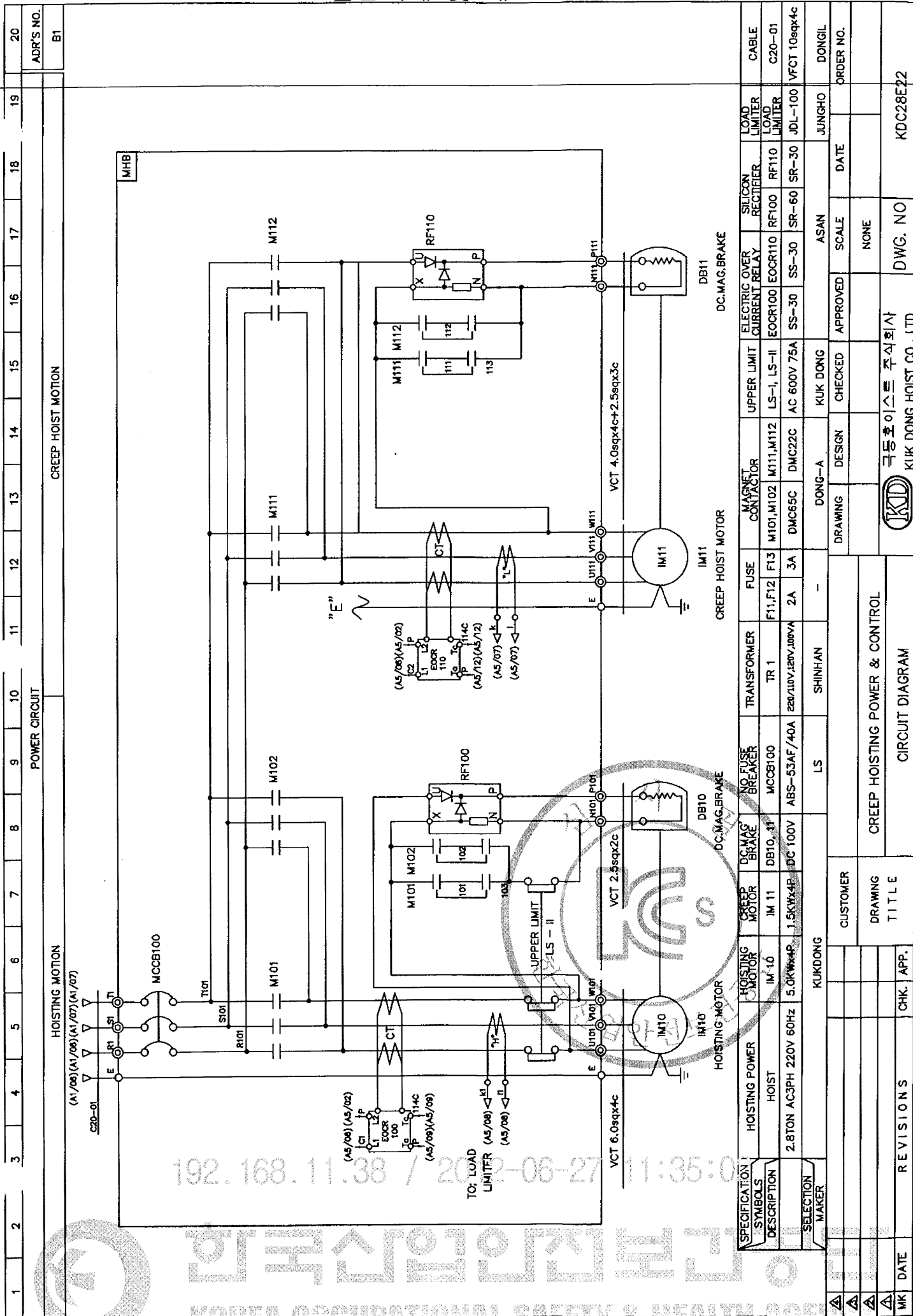
DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUD 한국호이스트 주식회사 KUK DONG HOIST CO., LTD.						DWG. NO
TRAVERSING POWER CONTROL BOX						KDC28bt22
ARRANGEMENT DRAWING						
CUSTOMER						
DRAWING TITLE						
REVISIONS						
DATE						
CHK.						
APP.						



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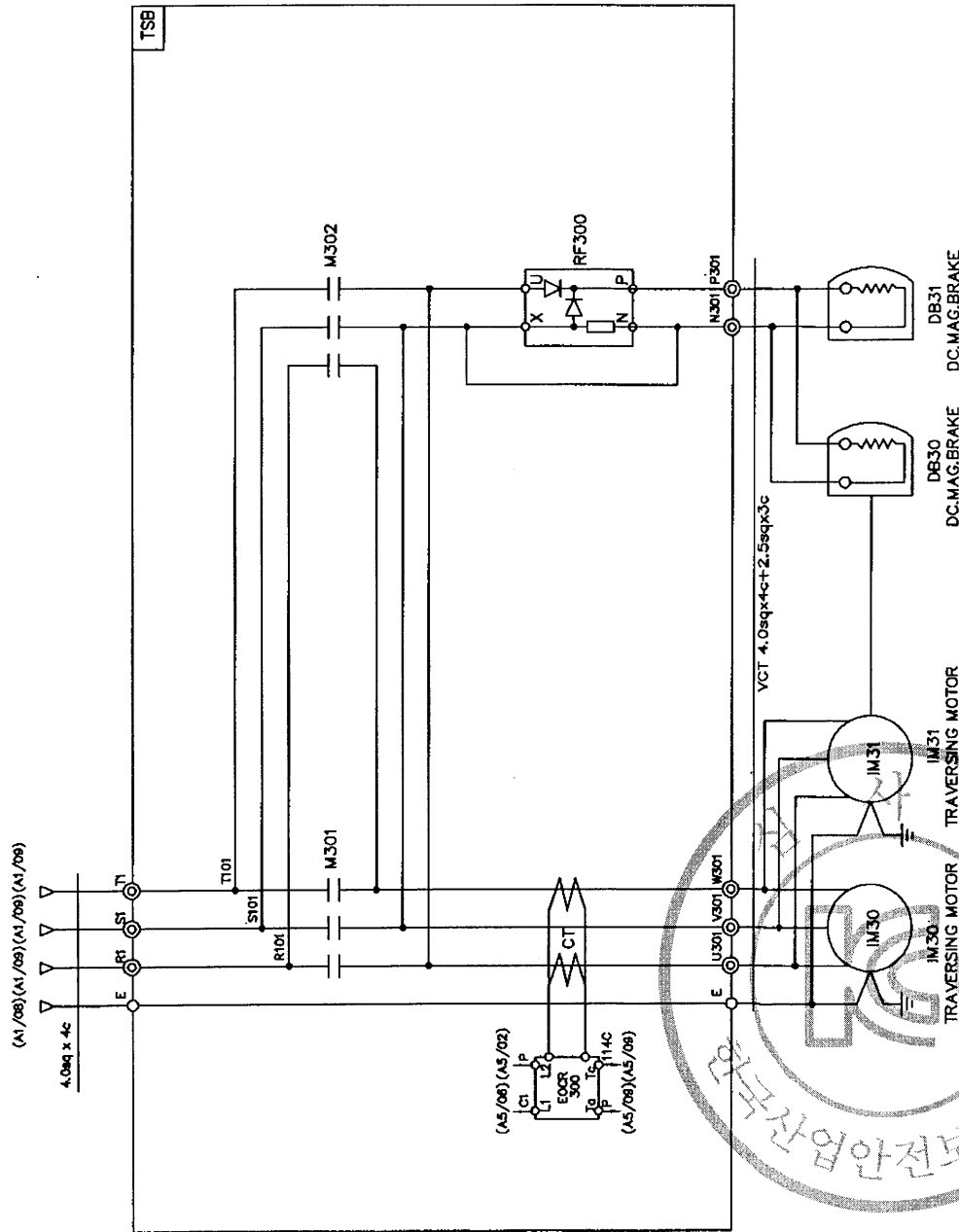
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SPECIFICATION		SYMBOLS		DESCRIPTION		SELECTION		MAKER		CABLE	
HOISTING POWER	HOIST	IM 10	5.0KWx4P	2.8TON AC3PH 220V 60Hz	1.5KWx4P	DC 100V	ABS-53AF/40A	220/110V/120V/100V	2A	3A	3A
HOISTING MOTOR	IM 10	IM 11	5.0KWx4P	2.8TON AC3PH 220V 60Hz	1.5KWx4P	DC 100V	ABS-53AF/40A	220/110V/120V/100V	2A	3A	3A
DC MAG. BRAKE	DB10	DB11	DC 100V	ABS-53AF/40A	220/110V/120V/100V	2A	3A	3A	3A	3A	3A
NO FUSE BREAKER	MCCB100	MCCB100	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
TRANSFORMER	TR 1	TR 1	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
FUSE	F11, F12	F13	2A	3A	3A	3A	3A	3A	3A	3A	3A
MAGNET CONTACTOR	M101, M102	M111, M112	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
UPPER LIMIT	LS-I, LS-II	LS-I, LS-II	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
ELECTRIC OVER CURRENT RELAY	EOCR100	EOCR110	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
SILICON RECTIFIER	RF100	RF110	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
LOAD LIMITER	JDL-100	JDL-100	220/110V/120V/100V	2A	3A	3A	3A	3A	3A	3A	3A
KUKDONG										DONGIL	
KUKDONG										JUNGHU	
KUKDONG										DATE	
KUKDONG										SCALE	
KUKDONG										NONE	
KUKDONG										DWC. NO	
KUKDONG										KDC28E22	

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



SPECIFICATION		SYMBOLS		DESCRIPTION		TRAVERSING MOTOR		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
						IM 30 . IM31		M301 , M302		RF 300		EOR 300		LS-301 , LS-302	
						0.75KW x 4P AC 3PH 220V 60Hz		DC 100V		DMC22C		SS-30		HY - W904	
						0.5KW x 6P AC 3PH 220V 60Hz		DC 100V		DMC22C		SS-30		HY - W904	
SELECTION		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.	
MAKER		KUK DONG		DONG-A						NONE					
CUSTOMER		DRAWING		TITLE		CHK.		REV.		DATE		DWG. NO.		KDC28E24	
				TRAVERSING POWER CONTROL CIRCUIT											
				DIAGRAM											

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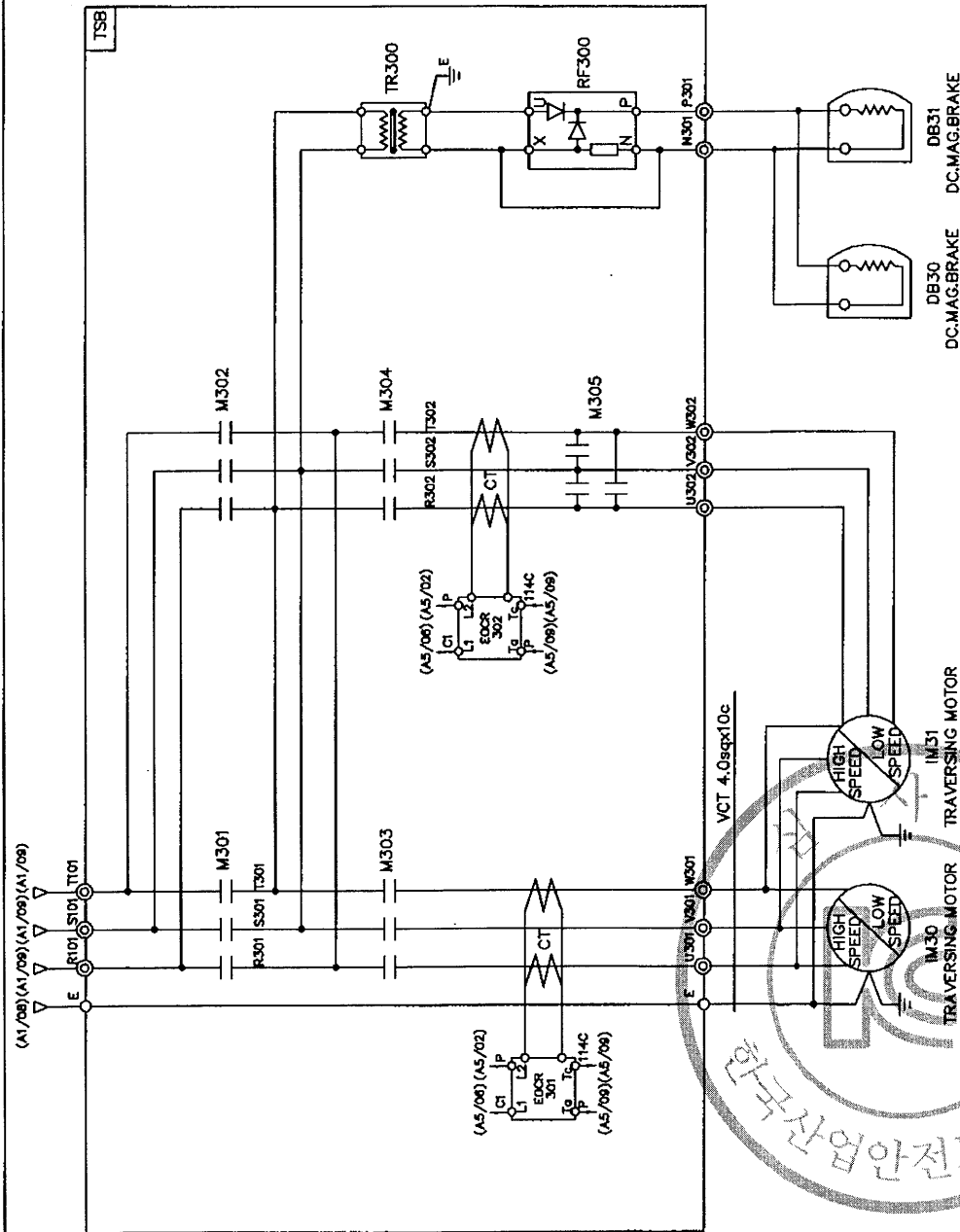
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																																																																																																												
POWER CIRCUIT																																																																																																																																															
TRAVERSING MOTION																																																																																																																																															
<table><tr><td>SPECIFICATION SYMBOLS DESCRIPTION</td><td>TRAVERSING MOTOR</td><td>DC MAG' BRAKE</td><td>MAGNET CONTACTOR</td><td>SILICON RECTIFIER</td><td>ELECTRIC OVER CURRENT RELAY</td><td>TRANSFORMER</td></tr><tr><td>IM 30</td><td>DB30</td><td>M301, M302, M303</td><td>RF 300</td><td>EOCR 301,302</td><td>TR300</td></tr><tr><td>220V 0.5/0.25KWx6/12P AC3PH 220V 60Hz</td><td>DC 100V</td><td>DMC22C</td><td>SR-30</td><td>SS-05</td><td>AC220/220V, 300VA</td></tr><tr><td>220V 0.8/0.4KWx4/8P AC3PH 220V 60Hz</td><td>DC 100V</td><td>DMC22C</td><td>SR-30</td><td>SS-05</td><td>AC220/220V, 300VA</td></tr><tr><td>SELECTION MAKER</td><td colspan="4">DONG-A</td><td>ASECO</td><td>SHINHAN</td></tr><tr><td colspan="2">CUSTOMER</td><td colspan="2">DRAWING</td><td colspan="2">DESIGN</td><td colspan="2">CHECKED</td><td colspan="2">APPROVED</td><td colspan="2">SCALE</td><td colspan="2">DATE</td><td colspan="2">ORDER NO.</td></tr><tr><td colspan="2">DRAWING TITLE</td><td colspan="2">TRAVERSING POWER CONTROL CIRCUIT</td><td colspan="2" rowspan="5">DONG-A</td><td colspan="2" rowspan="5">NONE</td><td colspan="2" rowspan="5">KDC28E25</td><td colspan="2" rowspan="5">DWG. NO</td><td colspan="2" rowspan="5">KDC28E25</td><td colspan="2" rowspan="5">KDC28E25</td></tr><tr><td>CHK.</td><td>APP.</td><td colspan="18" rowspan="4"></td></tr><tr><td>REVISIONS</td><td colspan="19"></td></tr><tr><td>DATE</td><td colspan="19" rowspan="2"></td></tr></table>																				SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER	IM 30	DB30	M301, M302, M303	RF 300	EOCR 301,302	TR300	220V 0.5/0.25KWx6/12P AC3PH 220V 60Hz	DC 100V	DMC22C	SR-30	SS-05	AC220/220V, 300VA	220V 0.8/0.4KWx4/8P AC3PH 220V 60Hz	DC 100V	DMC22C	SR-30	SS-05	AC220/220V, 300VA	SELECTION MAKER	DONG-A				ASECO	SHINHAN	CUSTOMER		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.		DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		DONG-A		NONE		KDC28E25		DWG. NO		KDC28E25		KDC28E25		CHK.	APP.																			REVISIONS																				DATE																			
SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER																																																																																																																																									
IM 30	DB30	M301, M302, M303	RF 300	EOCR 301,302	TR300																																																																																																																																										
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CUSTOMER		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.																																																																																																																																	
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한국산업안전보건공단

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



SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30, IM 31		220V 0.5/0.25KWx6/12P AC3PH 220V 60Hz		M301, M302, M303, M304, M305		EOCR 301,302		TR300	
TRAVERSING MOTOR		IM 30, IM 31		220V 0.8/0.4KWx4/8P AC3PH 220V 60Hz		DC 100V		SS-30		AC220/220V, 300VA	
TRAVERSING MOTOR		IM 30, IM 31		220V 0.8/0.4KWx4/8P AC3PH 220V 60Hz		DC 100V		SS-30		AC220/220V, 300VA	
SELECTION MAKER		KUKDONG		KUKDONG		DONG-A		ASECO		SHINHAN	
CUSTOMER		KUKDONG		KUKDONG		DRAWING		DESIGN		APPROVED	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		CHECKED		SCALE		DATE	
REVISIONS		REV. NO.		REV. NO.		NONE		NONE		NONE	
DATE		DATE		DATE		DATE		DATE		DATE	
CHK. APP.		CHK. APP.		CHK. APP.		CHK. APP.		CHK. APP.		CHK. APP.	
DWG. NO.		DWG. NO.		DWG. NO.		DWG. NO.		DWG. NO.		DWG. NO.	
KDC28E26		KDC28E26		KDC28E26		KDC28E26		KDC28E26		KDC28E26	

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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	MCCB100	33AF/20AT	1	HOISTING
4	MAGNET CONTACT	DMC40C	2	HOISTING
5	MAGNET CONTACT	DMC22C	2	CREEP HOIST
6	SILICON RECTIFIER	SR-30	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOIST
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOIST
10	FUSE F11,F12	1 A	2	
11	FUSE F13	3 A	1	
12	TRANSFORMER	380V/110V,120V 100VA	1	
13	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
14	TERMINAL BLOCK	60A,15A		
15	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류전원선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

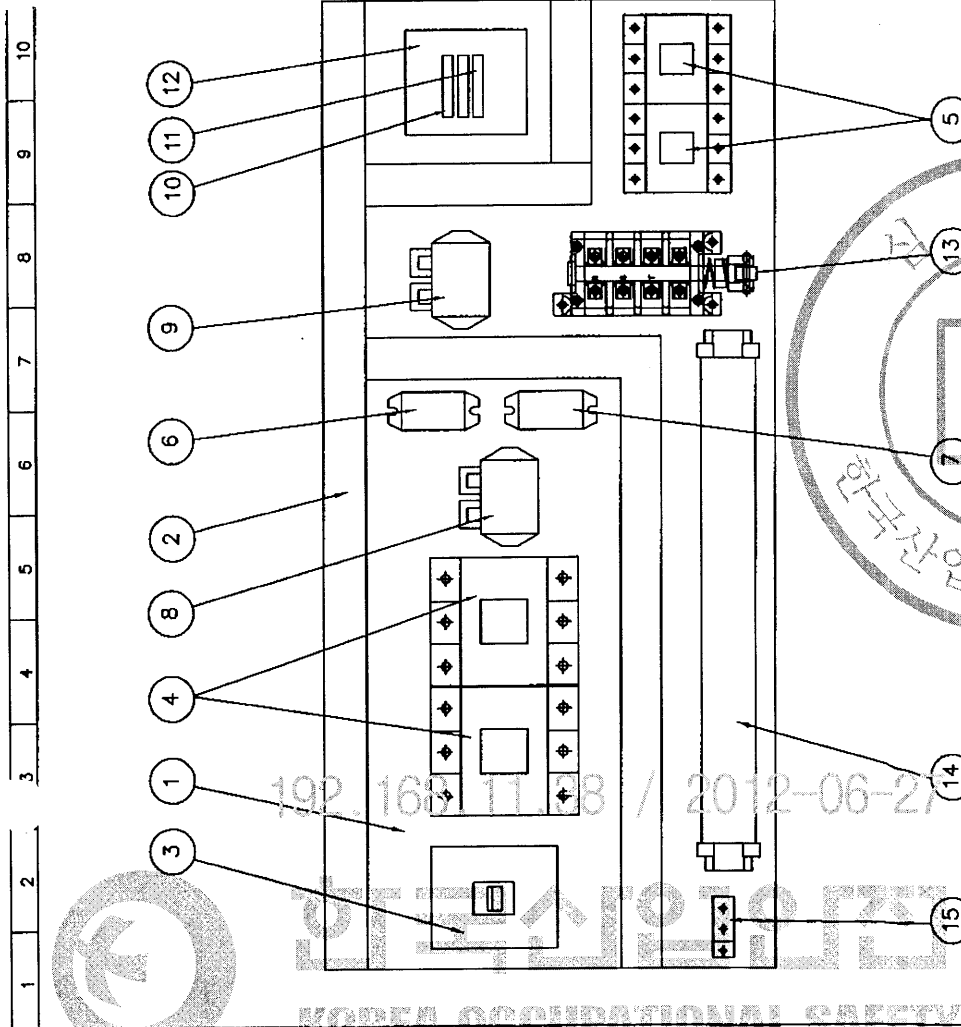
3. 제어용 전선 : 2.5mm KIV,HIV

4. 제막시 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.



NOTE

1. UPPER LIMIT LS-1,LS-2의 전압 허용 전류 용량 : AC 600V, 75A

2. POWER SOURCE : AC 3φ 380V 60HZ

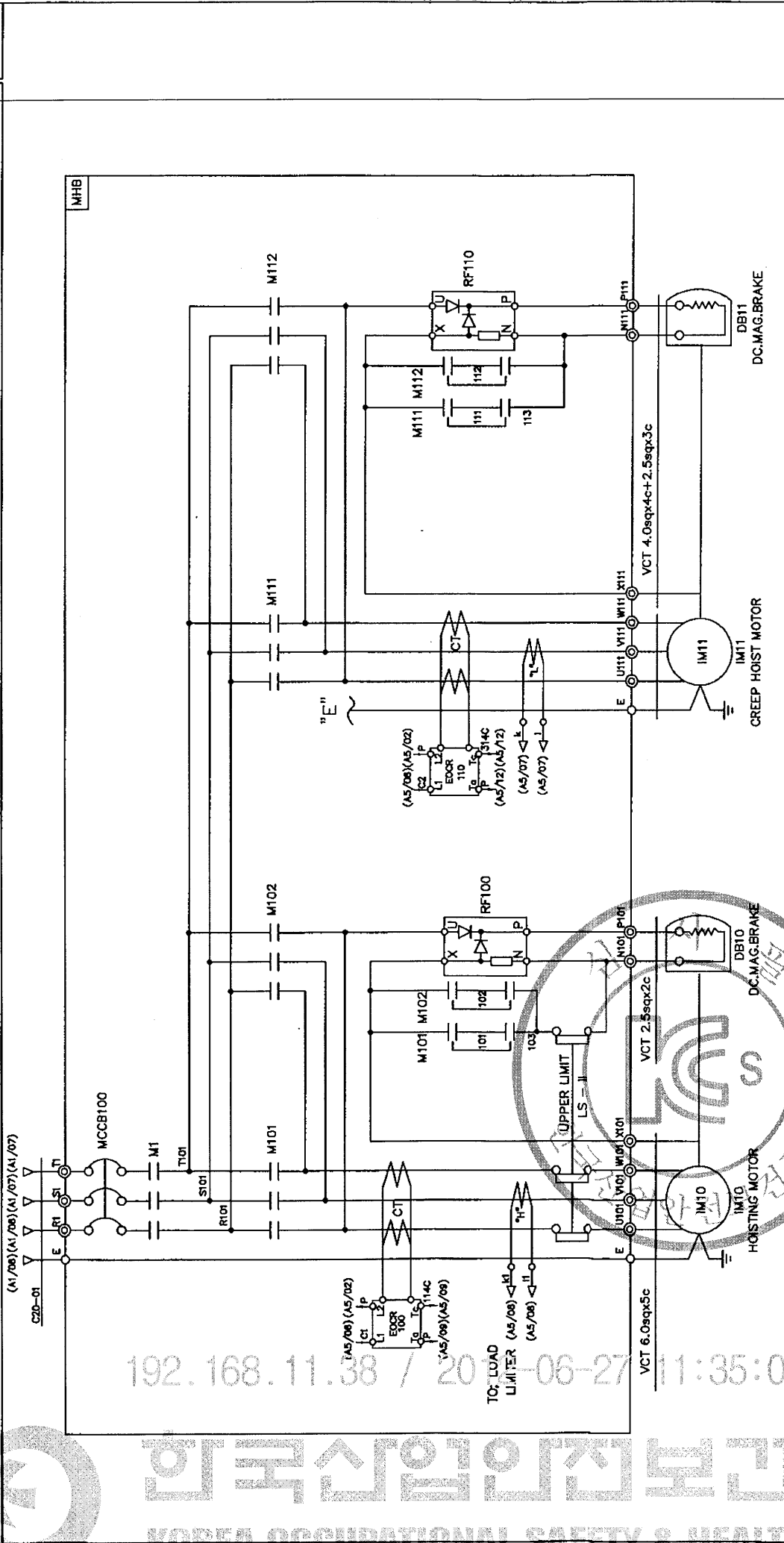
3. MAKER SCOPE (CRANE & HOIST 제작사)

* MAKER SCOPE (MONDRAIL/호이스 제작사)



DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CREEP HOIST CONTROL BOX					NONE		
ARRANGEMENT DRAWING							
KDK		국동호이스트 주식회사			DWG. NO	KDC28BA31	
		KUK DONG HOIST CO., LTD.					
MK	DATE	REVISIONS	CHK.	APP.			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										B1									

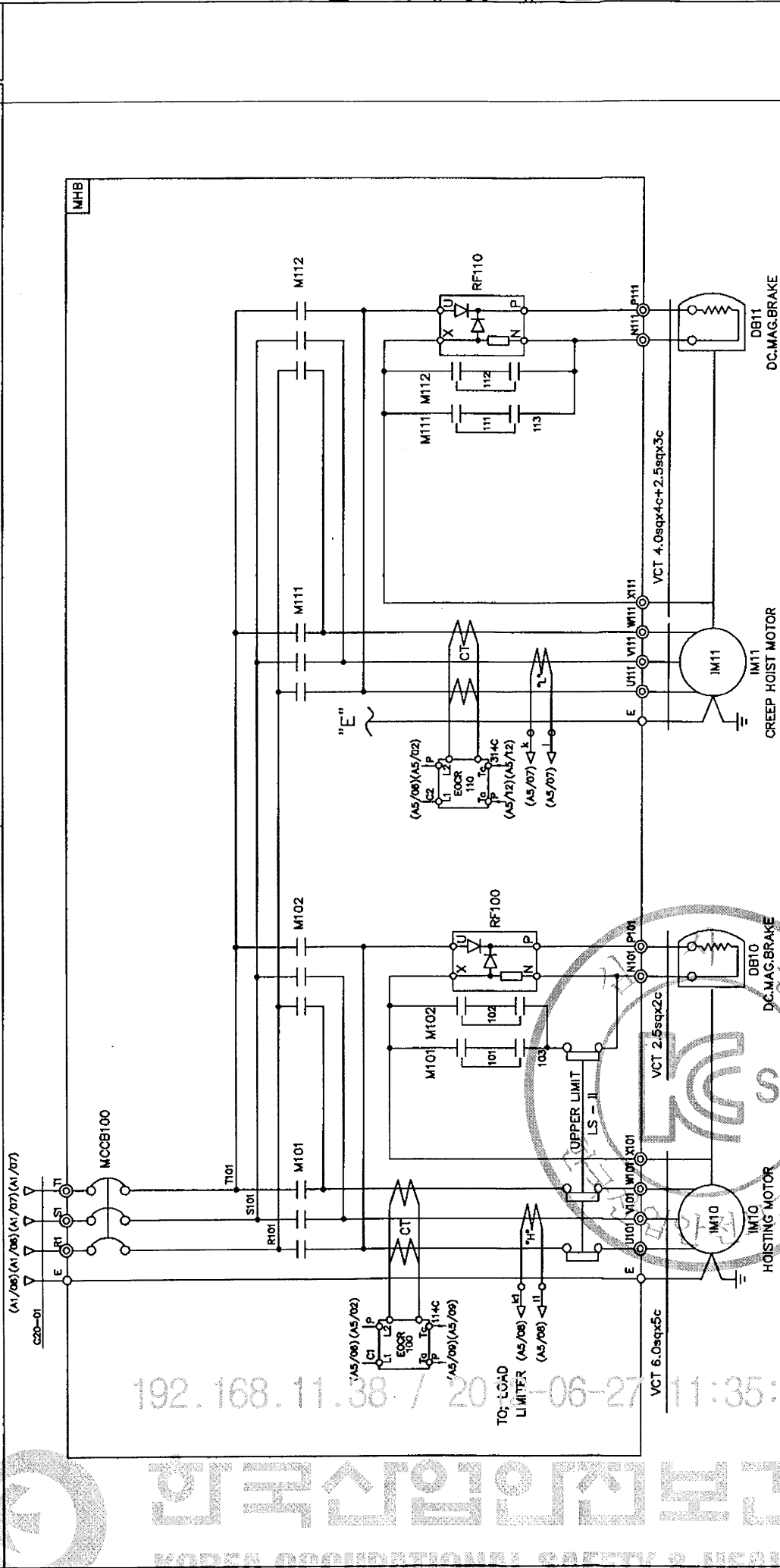


SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR	HOISTING MOTOR
DESCRIPTION	2.8TON AC 3PH 380V 60Hz	5.0KW x 4P 1.5KWx4P	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V	DC 100V
SELECTION MAKER																			
CUSTOMER	KUKDONG																		
DRAWING TITLE	CREEP HOISTING POWER CONTROL CIRCUIT																		
REVISIONS																			
CHK. APP.																			
DATE																			
DWG. NO	KDC28E31																		
ORDER NO.																			
DATE																			
SCALE	NONE																		
APPROVED																			
CHECKED																			
DESIGN																			
MAGNET CONTACTOR	M11, M112																		
UPPER LIMIT	LS-I, LS-II																		
ELECTRIC OVER CURRENT RELAY	EOCR100																		
SILICON RECTIFIER	RF100																		
LOAD LIMITER	JDL-100																		
CABLE	C20-01																		

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										MHB									
(A1/005)(A1/006)(A1/007)(A1/007)																			
C20-01										B1									



SPECIFICATION SYMBOLS		HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
DESCRIPTION		HOIST	IM 10	IM 11	DB10, 11	MCCB100	TR 1	F11,F12	M101,M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
		2.8TON AC 3PH 380V 60Hz	5.0KW x 4P	1.5KWx4P	DC 100V	ABE-33AF /20A	380V/110V/120V, 100VA	1A	3A	AC 600V 75A	SS-30	SR-60	JDL-100	VFCT 6.0sqx4c
SELECTION MAKER		KUKDONG			LS		SHINHAN	-		KUKDONG		DONG-A		DONGIL
		CUSTOMER												
		DRAWING TITLE			CREEP HOISTING POWER CONTROL CIRCUIT									
		REVISIONS			DIAGRAM									
DATE		CHK.	APP.											
DWG. NO.		KDC28E52												

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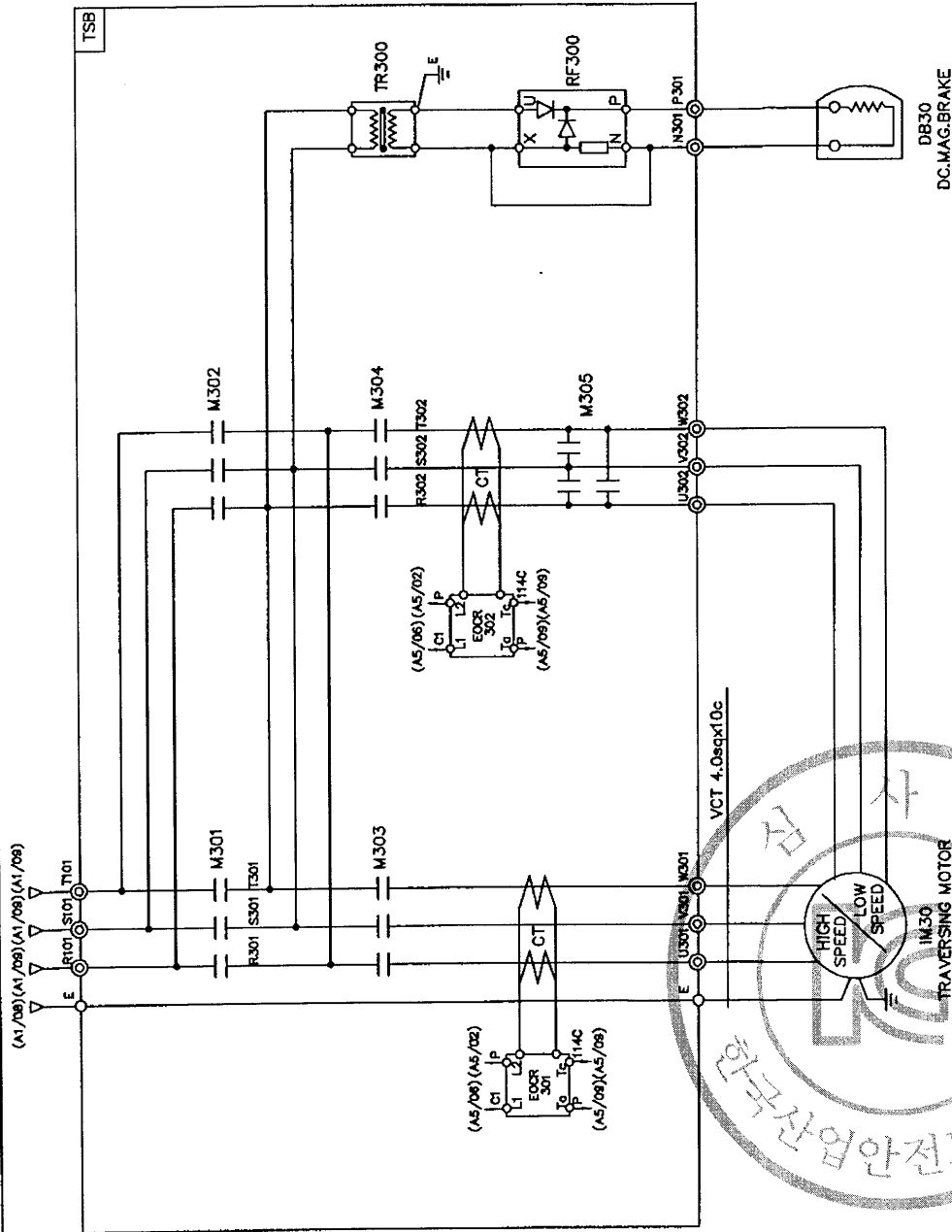
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ADR'S NO.																			
C2																			

POWER CIRCUIT										TRAVERSING MOTION									
CUSTOMER		DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.					
TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT		TRAVERSING POWER CONTROL CIRCUIT					
DRAWING TITLE		DRAWING TITLE		DRAWING TITLE		DRAWING TITLE		DRAWING TITLE		DRAWING TITLE		DRAWING TITLE		DRAWING TITLE					
REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS		REVISIONS					
DATE		DATE		DATE		DATE		DATE		DATE		DATE		DATE					
CHK.		CHK.		CHK.		CHK.		CHK.		CHK.		CHK.		CHK.					
APP.		APP.		APP.		APP.		APP.		APP.		APP.		APP.					
KDK		KDK		KDK		KDK		KDK		KDK		KDK		KDK					
KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.		KUK DONG HOIST CO., LTD.					
KDC28E34		KDC28E34		KDC28E34		KDC28E34		KDC28E34		KDC28E34		KDC28E34		KDC28E34					

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



SPECIFICATION		SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		380V 0.5/0.25KWx6/12P AC3PH 380V 60Hz		M301, M302, M303		EOCR 301,302		TR300	
TRAVERSING MOTOR		IM 30		380V 0.8/0.4KWx4/8P AC3PH 380V 60Hz		DMC22C		SS-05		AC380/220V, 300VA	
SELECTION		MAKER		KUKDONG		DONG-A		ASECO		SHINHAN	
DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE	
CUSTOMER		DRAWING		TITLE		TRAVERSING POWER CONTROL CIRCUIT		DWG. NO		KDC28E35	
REVISIONS		CHK.		APP.		KUKDONG HOIST CO., LTD.		NONE		ORDER NO.	
DATE		MK		192.168.11.38 / 2012-06-27 11:35:02		KUKDONG		192.168.11.38 / 2012-06-27 11:35:02		KDC28E35	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																
POWER CIRCUIT										TRAVERSING MOTION										ADR'S NO.																															
										C2																																									
<table><tr><th>SPECIFICATION SYMBOLS</th><th>DESCRIPTION</th><th>TRAVERSING MOTOR</th><th>DC MAG' BRAKE</th><th>MAGNET CONTACTOR</th><th>SILICON RECTIFIER</th><th>ELECTRIC OVER CURRENT RELAY</th><th>TRANSFORMER</th></tr><tr><td>IM 30</td><td>IM31</td><td>TRAVERSING MOTOR</td><td>DB30, DB31</td><td>M301, M302, M303, M304, M305</td><td>RF 300</td><td>EOCR 301, 302</td><td>TR300</td></tr><tr><td>380V</td><td>0.5/0.25KWx6/12P AC3PH 380V 60Hz</td><td></td><td>DC 100V</td><td>DMC22C</td><td>SR-30</td><td>SS-05</td><td>AC380/220V, 300VA</td></tr><tr><td>380V</td><td>0.8/0.4KWx4/8P AC3PH 380V 60Hz</td><td></td><td>DC 100V</td><td>DMC22C</td><td>SR-30</td><td>SS-05</td><td>AC380/220V, 300VA</td></tr></table>																				SPECIFICATION SYMBOLS	DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER	IM 30	IM31	TRAVERSING MOTOR	DB30, DB31	M301, M302, M303, M304, M305	RF 300	EOCR 301, 302	TR300	380V	0.5/0.25KWx6/12P AC3PH 380V 60Hz		DC 100V	DMC22C	SR-30	SS-05	AC380/220V, 300VA	380V	0.8/0.4KWx4/8P AC3PH 380V 60Hz		DC 100V	DMC22C	SR-30	SS-05	AC380/220V, 300VA
SPECIFICATION SYMBOLS	DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER																																												
IM 30	IM31	TRAVERSING MOTOR	DB30, DB31	M301, M302, M303, M304, M305	RF 300	EOCR 301, 302	TR300																																												
380V	0.5/0.25KWx6/12P AC3PH 380V 60Hz		DC 100V	DMC22C	SR-30	SS-05	AC380/220V, 300VA																																												
380V	0.8/0.4KWx4/8P AC3PH 380V 60Hz		DC 100V	DMC22C	SR-30	SS-05	AC380/220V, 300VA																																												
<table><tr><th>SELECTION MAKER</th><th>CUSTOMER</th><th>DRAWING</th><th>CHECKED</th><th>APPROVED</th><th>SCALE</th><th>DATE</th><th>ORDER NO.</th></tr><tr><td>KUKDONG</td><td></td><td>TRAVERSING POWER CONTROL CIRCUIT</td><td></td><td></td><td>NONE</td><td></td><td></td></tr></table>																				SELECTION MAKER	CUSTOMER	DRAWING	CHECKED	APPROVED	SCALE	DATE	ORDER NO.	KUKDONG		TRAVERSING POWER CONTROL CIRCUIT			NONE																		
SELECTION MAKER	CUSTOMER	DRAWING	CHECKED	APPROVED	SCALE	DATE	ORDER NO.																																												
KUKDONG		TRAVERSING POWER CONTROL CIRCUIT			NONE																																														
REVISIONS										CHK. APP.										DATE																															
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11	12	13	14	15	16	17	18	19	20
ADP'S NO.									

NO	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	CHASSIS PLATE		1	아 전 도 급
2	CABLE DUCT	--	1	
3	MCCB100	33AF/20AT	1	HOISTING
4	MAGNET CONTACT	DMC40C	2	HOISTING
5	MAGNET CONTACT	DMC22C	2	CREEP HOIST
6	SILICON RECTIFIER	SR-30	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOIST
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOIST
10	FUSE F11,F12	1 A	2	
11	FUSE F13	3 A	1	
12	TRANSFORMER	440V/110V,120V 100VA	1	
13	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
14	TERMINAL BLOCK	60A,15A		
15	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류전원선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

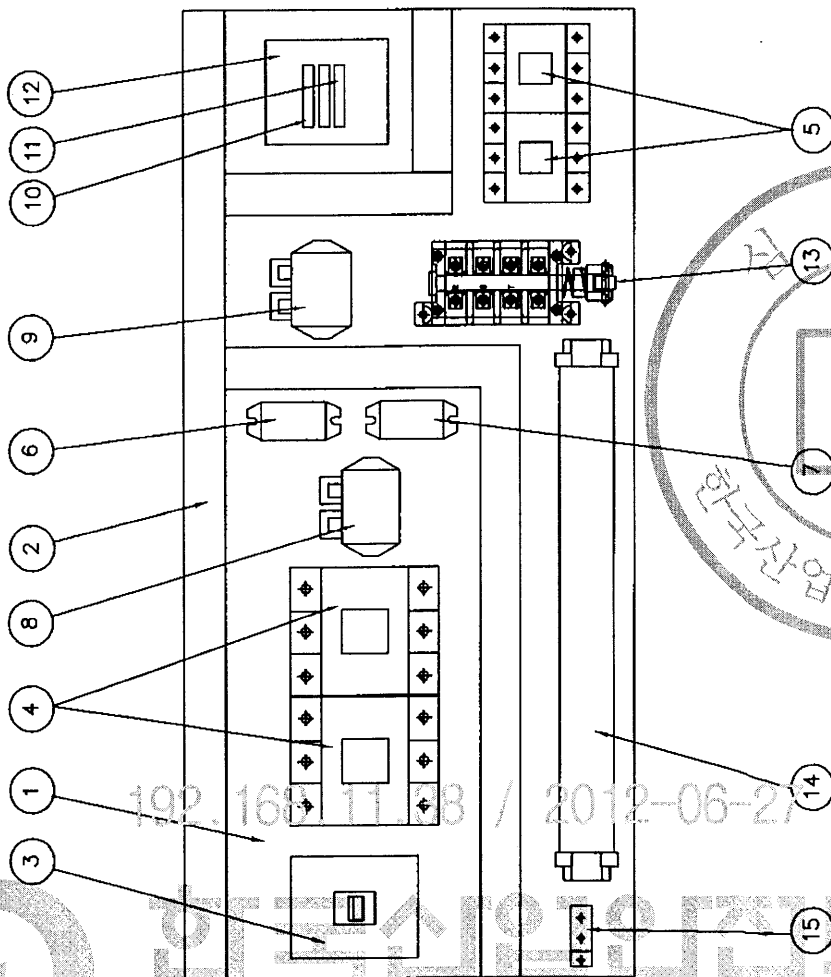
3. 제어용 전선 : 2.5mm KIV,HIV
MIN SIZE : 2.5sq

4. 제작시 다소 변경 될수있음.

5. 외함 개방구조는 다음과 같을것.

1) 외함 개방시 승전부분이 차단되도록 할것.

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



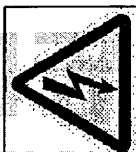
NOTE

1. UPPER LIMIT LS-1,LS-2의 전점 허용 전류 용량 : AC 600V, 75A

2. POWER SOURCE : AC 3φ 440V 60HZ

3. (1) 2 OWNER SCOPE (CRANE & HOIST 제작시)

* MAKER SCOPE (MONDRAIL/용 HOIST 제작시)

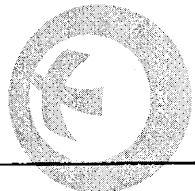


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3 4 5 6 7 8 9 10

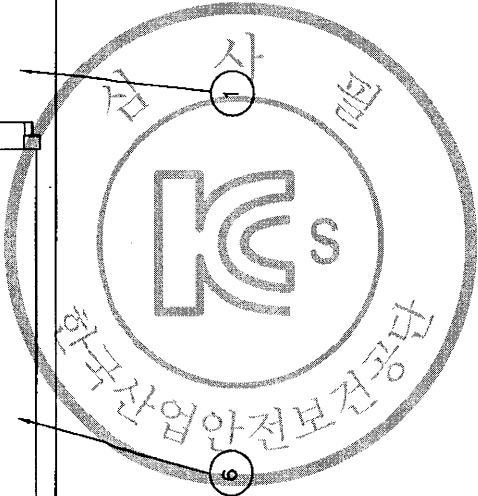
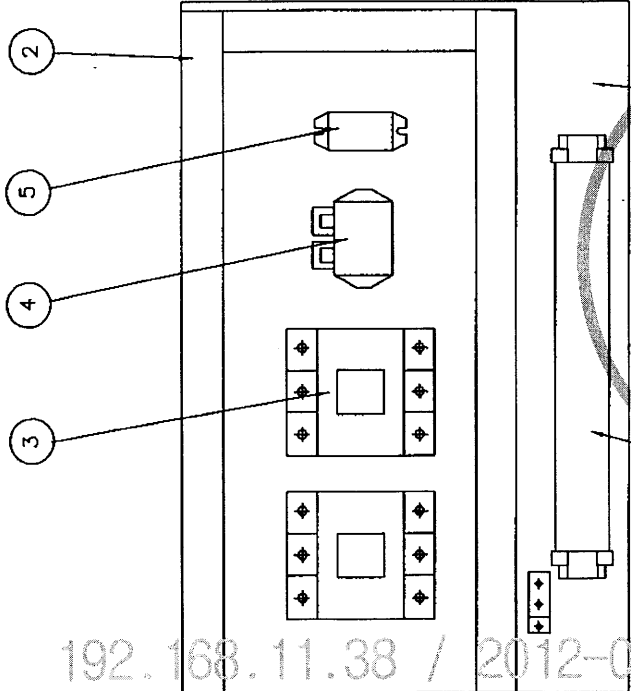
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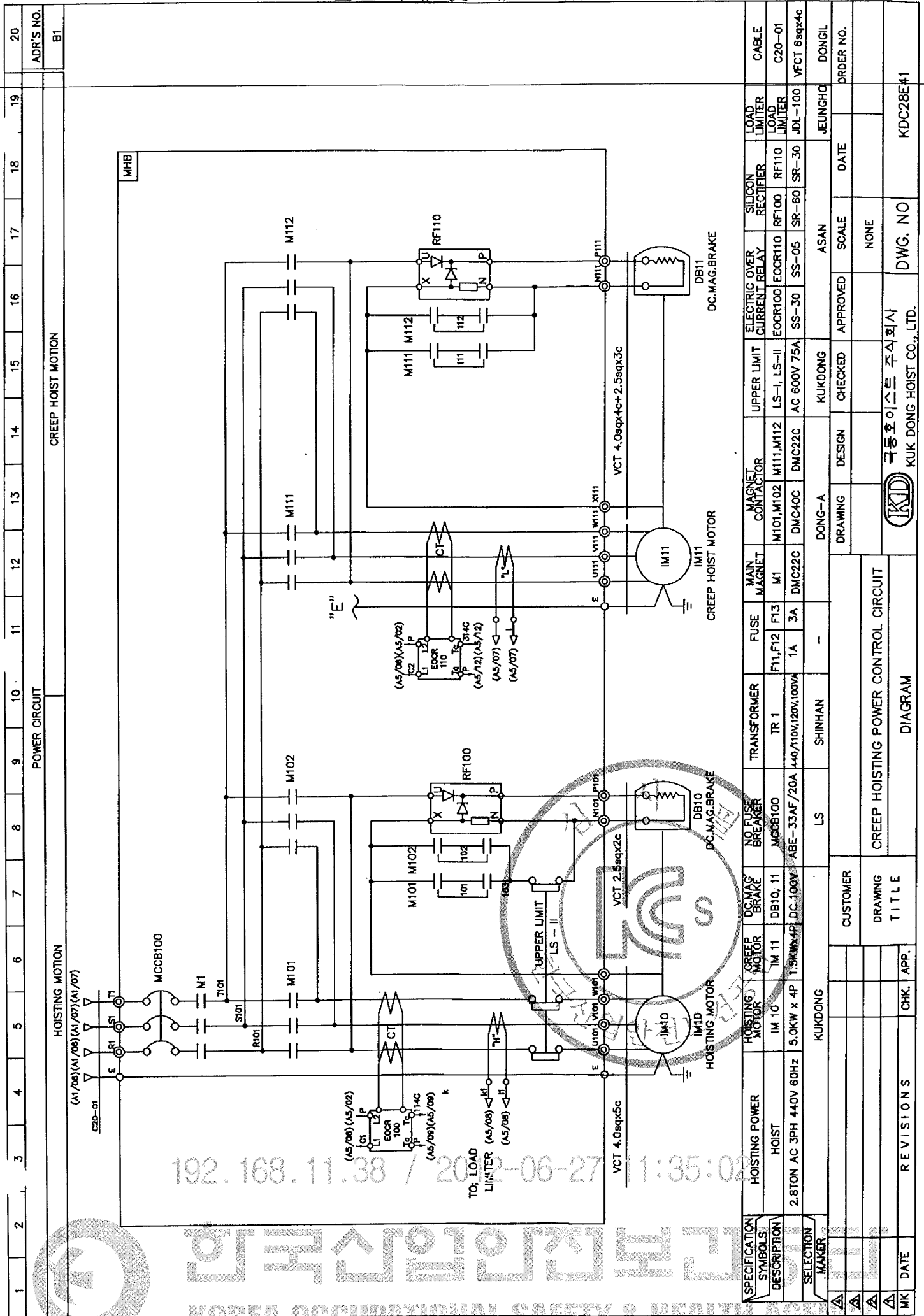
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NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A , 15A	1	TRAVERSING

NOTE 1. 전선의 여량은 다음과 같다.
1) 흑색 : 교류 및 직류 전선
2) 적색 : 교류 제어선
3) 청색 : 직류 제어선
4) 녹색 또는 녹색과 노랑 혼용 : 접지선
2. CABLE MATERIAL : KIV OR EQUIVALENT
MIN SIZE : 2.5sq
3. 제어용 전선 : 2.5mm KIV,HIV
4. 제파시 다스 변경 될수있음.
5. 외함 개방구조는 다음과 같을 것.
1) 외함 개방시 중전부분이 차단되도록 할것.
2) 외함 개방후 증전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
TRAVERSING POWER CONTROL BOX						
ARRANGEMENT DRAWING						
DWG. NO						KDC28bt42



SPECIFICATION SYMBOLS	HOISTING POWER	HOISTING MOTOR	CREEP MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	FUSE	MAIN MAGNET	MAGNET CONTACTOR	UPPER LIMIT	ELECTRIC OVER CURRENT RELAY	SILICON RECTIFIER	LOAD LIMITER	CABLE
DESCRIPTION	2.8TON AC 3PH 440V 60Hz	IM 10	IM 11	DB10, 11	MCCB100	TR 1	F1, F2, F3	M1	M101, M102	LS-I, LS-II	EOCR100	RF100	LOAD LIMITER	C20-01
SELECTION														
MAKER														
DATE														
REVISIONS														
CHK.														
APP.														
CREEP HOISTING POWER CONTROL CIRCUIT														
DRAWING TITLE														
CUSTOMER														
DRAWING														
DESIGN														
CHECKED														
APPROVED														
SCALE														
DATE														
ORDER NO.														
DWG. NO														
KDC28E41														

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[illegible]

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 440V 60Hz		DC 100V		DMC22C		SR-30		SS-05		HY - W904	
SELECTION MAKER		440V		DC 100V		DMC22C		SR-30		SS-05		HY - W904	
CUSTOMER		KUKDONG		DONN-A		DESIGN		CHECKED		APPROVED		DATE	
DRAWING TITLE		TRaversing POWER CONTROL CIRCUIT		DIAGRAM		DWG. NO		SCALE		NONE		ORDER NO.	
REV. NO		DATE		CHK. APP.		KUKDONG HOIST CO., LTD.		KDC28E43					

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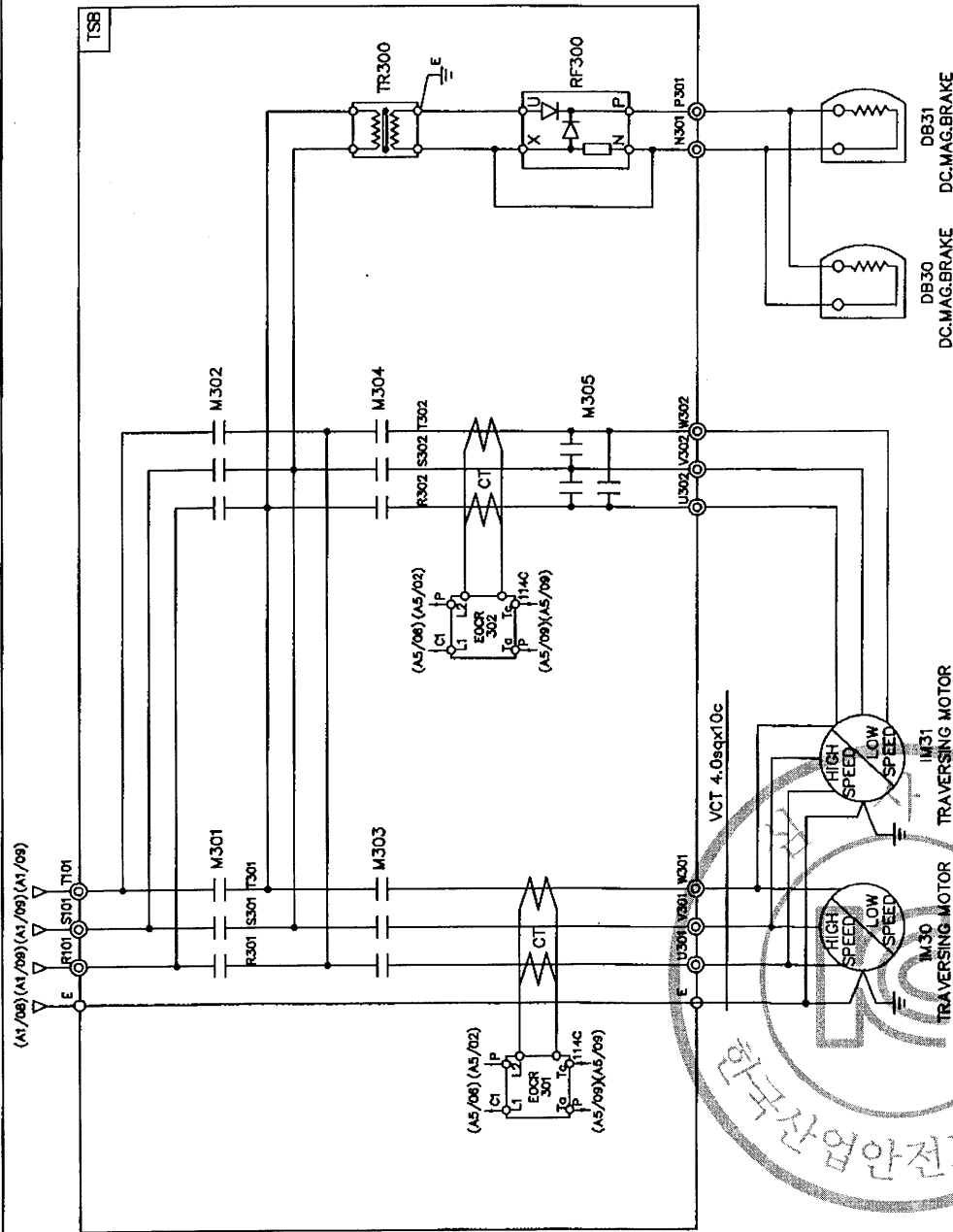
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										TRaversing Motion									
TSB																			
SPECIFICATION SYMBOLS										DESCRIPTION									
TRaversing Motor										IM 30									
440V										0.5/0.25KWx6/12P AC3PH 440V 60Hz									
440V										0.8/0.4KWx4/8P AC3PH 440V 60Hz									
SELECTION MAKER										KUKDONG									
CUSTOMER										DONG-A									
DRAWING TITLE										TRaversing Power Control Circuit									
CHK. APP.										KUKDONG HOIST CO., LTD.									
REVISIONS										DWG. NO									
DATE										KDC28F45									
ADP'S NO.										C2									
ORDER NO.										SHINHAN									
ELECTRIC OVER CURRENT RELAY										EOCR 301,302									
SILICON RECTIFIER										RF 300									
TRANSFORMER										TR300									
SS-05										AC440/220V, 300VA									
SS-05										AC440/220V, 300VA									

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
C2																			



SPECIFICATION SYMBOLS		TRAVERSING MOTOR		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER							
DESCRIPTION		IM 30 , M31		DB30 , DB31		M301 , M302 , M303		M304 , M305		EOCR 301,302		TR300							
440V		0.5/0.25KWx6/12P AC3PH 440V 60Hz		DC 100V		DMC22C		DMC22C		SS-05		AC440/220V, 300VA							
440V		0.8/0.4KWx4/8P AC3PH 440V 60Hz		DC 100V		DMC22C		DMC22C		SS-05		AC440/220V, 300VA							
SELECTION MAKER		KUKDONG				DONG-A		ASAN				SHINHAN							
		CUSTOMER				DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.	
		DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT										NONE					
				DIAGRAM										DWG. NO				KDC28E46	
REVISIONS		CHK.		APP.															
DATE																			
MK																			

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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	MCCB100	33AF/20AT	1	HOISTING
4	MAGNET CONTACT	DMC40C	2	HOISTING
5	MAGNET CONTACT	DMC22C	2	CREEP HOIST
6	SILICON RECTIFIER	SR-30	1	HOISTING
7	SILICON RECTIFIER	SR-30	1	CREEP HOIST
8	E.O.C.R	SS-30	1	HOISTING
9	E.O.C.R	SS-05	1	CREEP HOIST
10	FUSE F11,F12	1 A	2	
11	FUSE F13	3 A	1	
12	TRANSFORMER	460V/110V,120V 100VA	1	
13	UPPER LIMITER	AC 600V, 75A	1	LS-1,2
14	TERMINAL BLOCK	60A,15A		
15	EARTH TERMINAL	3tx20x50	1	

NOTE 1. 전선의 색상은 다음과 같다.

- 1) 녹색 : 교류 및 직류전선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

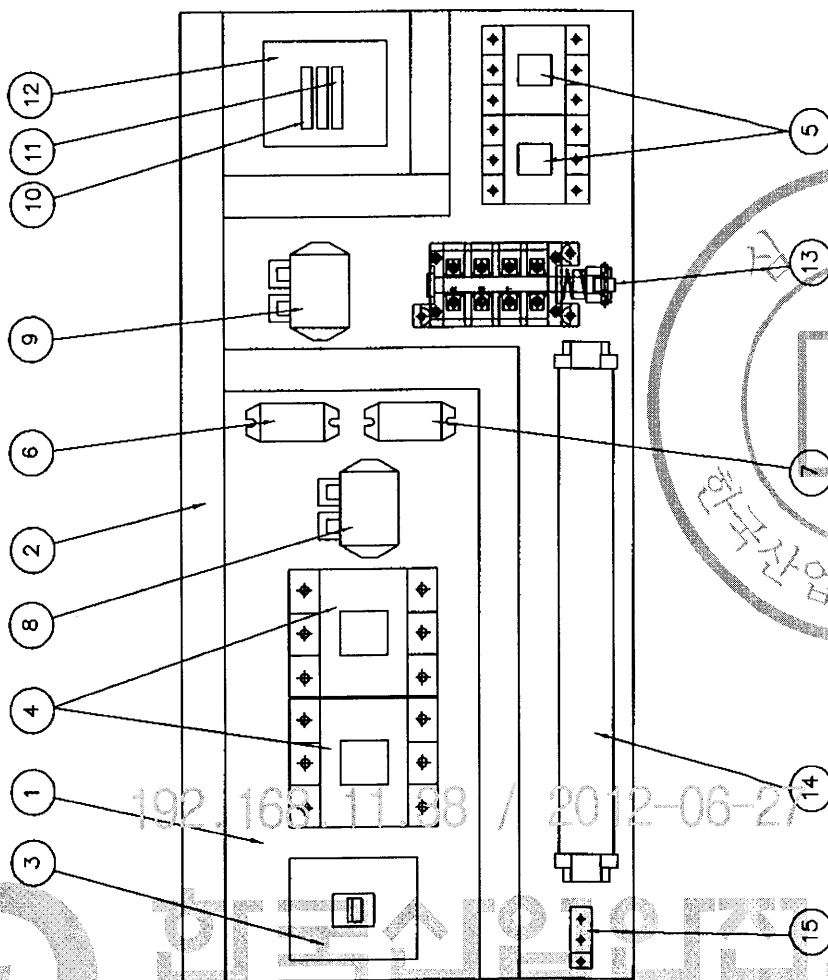
3. 제어용 전선 : 2.5mm KIV,HIV

4. 제작성 다소 변경 될수있음.

5. 외함 기방구조는 다음과 같을것.

- 1) 외함 기방시 충전부분이 차단되도록 할것.
- 2) 외함 기방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

1	2	3	4	5	6	7	8	9	10
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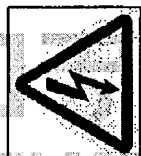
NOTE

1. UPPER LIMIT LS-1,LS-2의 현행 허용 전류 용량 : AC 600V, 75A

2. POWER SOURCE : AC 3φ 460V 60HZ

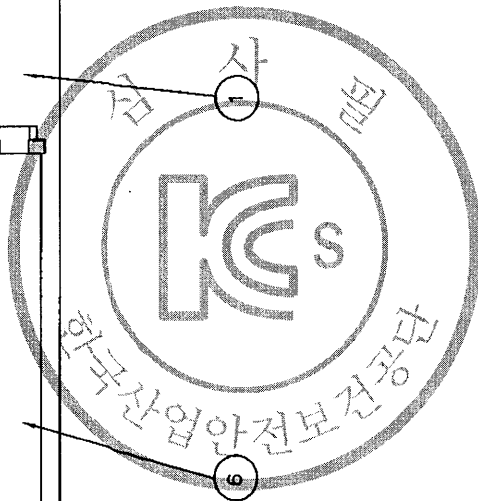
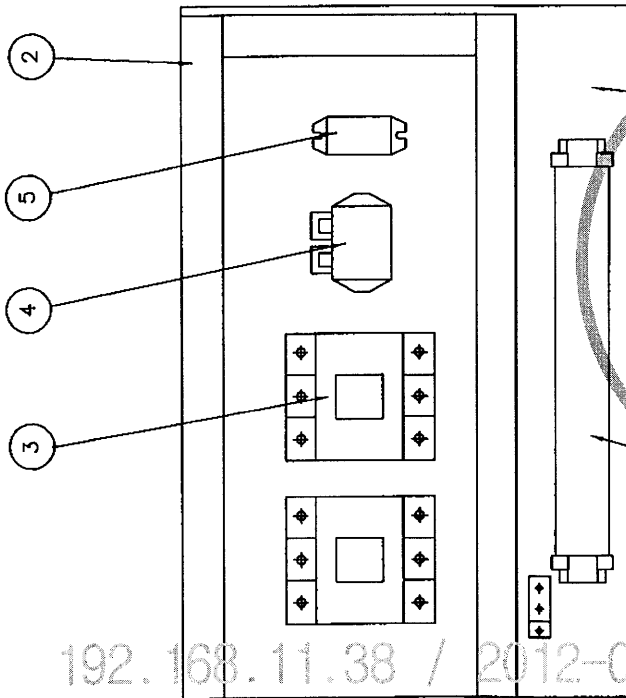
3. * OWNER SCOPE (CRANE & HOIST 제작사)

* MAKER SCOPE (MONORAIL & HOIST 제작사)



DRAWING	DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
				NONE		
KUK DONG HOIST CO., LTD.						KDC28BA51
ARRANGEMENT DRAWING						
CREEP HOIST CONTROL BOX						
DRAWING TITLE						
CUSTOMER						
REVISIONS						
DATE	CHK.	APP.				

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



NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	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

NOTE 1. 전선의 색상은 다음과 같다.

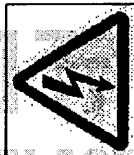
- 1) 흑색 : 교류 및 직류전선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

- 3. 제어용 전선 : 2.5mm KIV/HIV
- 4. 제라시 다소 변경 필수있음.
- 5. 외함 개방구조는 다음과 같을것.
- 1) 외함 개방시 충전부분이 차단되도록 할것.
- 2) 외함 개방후 충전되어있는 부분은 IP2X 이상의 직접 접촉 방호가 되어있을것.

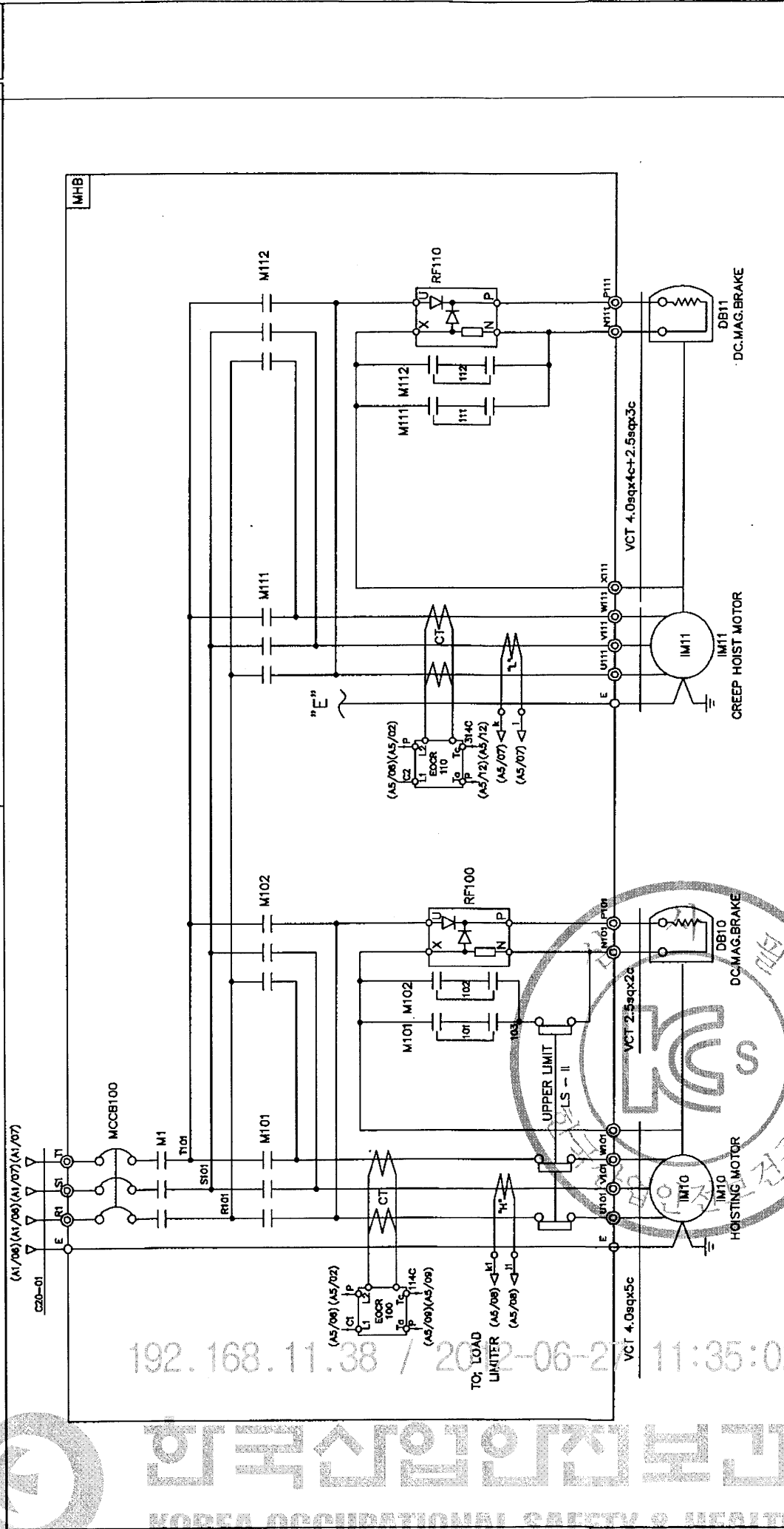
DRAWING				DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
CUSTOMER									
DRAWING TITLE				TRAVERSING POWER CONTROL BOX					
REVISIONS				ARRANGEMENT DRAWING					
CHK.	APP.	DWG. NO				KDC28bt52			



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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT										CREEP HOIST MOTION									
HOISTING MOTION										CREEP HOIST MOTION									
C20-01										B1									



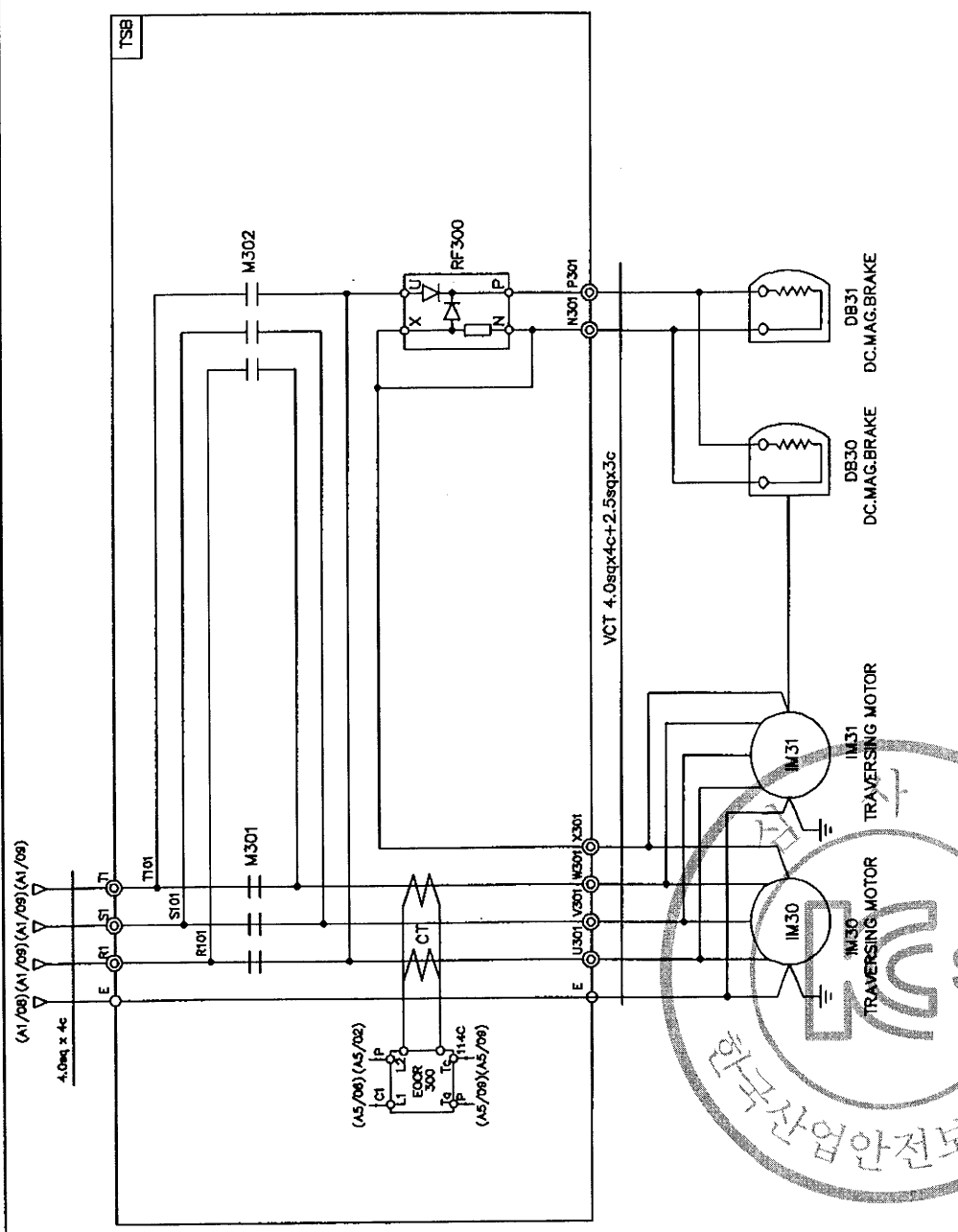
SPECIFICATION SYMBOLS DESCRIPTION	HOISTING POWER HOIST	2.8TON AC 3PH 460V 60Hz	HOISTING MOTOR IM 10	5.0KW x 4P	1.5KWx4P	DC 100V	DC MAG. BRAKE DB10	NO FUSE BREAKER MCCB100	TRANSFORMER TR 1	FUSE F1, F12	MAIN MAGNET M1	MAGNET CONTACTOR M101, M102	UPPER LIMIT LS-I, LS-II	ELECTRIC OVER CURRENT RELAY SS-30	SILICON RECTIFIER RF100	LOAD LIMITER JDL-100	CABLE C20-01													
SELECTION MAKER	HOISTING MOTOR IM 11	5.0KW x 4P	1.5KWx4P	DC 100V	DC MAG. BRAKE DB11	NO FUSE BREAKER MCCB110	TRANSFORMER TR 1	FUSE F1, F12	MAIN MAGNET M11	MAGNET CONTACTOR M111, M112	UPPER LIMIT LS-I, LS-II	ELECTRIC OVER CURRENT RELAY SS-30	SILICON RECTIFIER RF110	LOAD LIMITER JDL-100	CABLE C20-01															
CUSTOMER	KUKDONG																													
DRAWING TITLE	CREEP HOISTING POWER CONTROL CIRCUIT																													
REVISIONS	CHK.	APP.																												
DATE																														
DWG. NO	KDC28E51																													
ORDER NO.																														

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SPECIFICATION SYMBOLS	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	LIMIT SWITCH
IM 30	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	SS-05	HY - W804
0.5KW x 6P AC 3PH 460V 60Hz		DC 100V	DMC22C	SR-30	SS-05	HY - W804
460V						
SELECTION MAKER	KUKDONG					
CUSTOMER						
DRAWING TITLE	TRAVERSING POWER CONTROL CIRCUIT					
REVISIONS						
CHK. APP.						
DATE						
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
ADR'S NO.																			C2



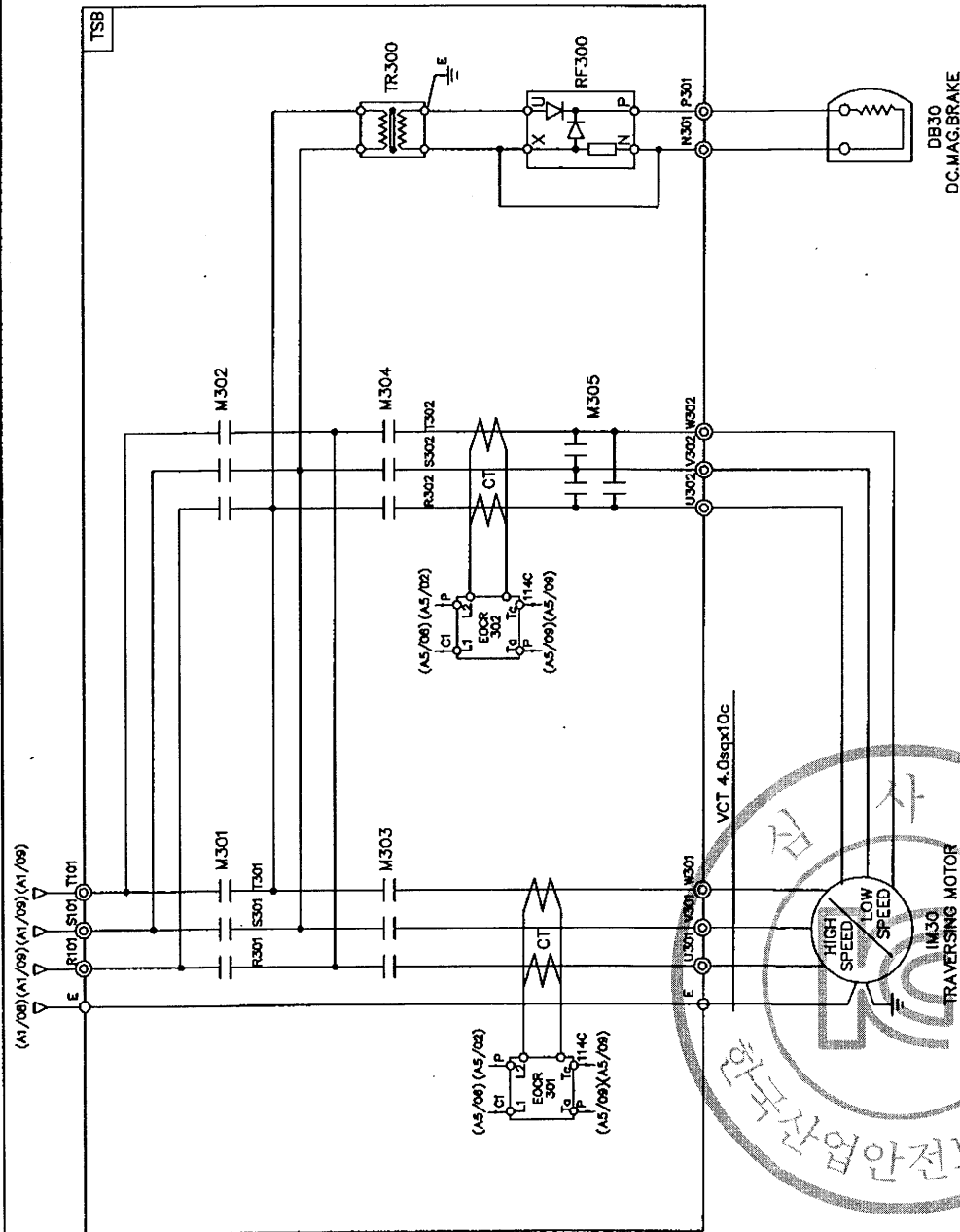
SPECIFICATION SYMBOLS		TRAVERSING MOTOR		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		LIMIT SWITCH	
DESCRIPTION		IM 30, 1M31		M301, M302		RF 300		EOCR 300		LS-301, LS-302	
460V		0.75KW x 4P AC 3PH 460V 60Hz		DC 100V		DMC22C		SS-05		HY - W904	
SELECTION MAKER		KOFOMO TECH		DC 100V		DMC2C		SS-05		HY - W904	
CUSTOMER		KOFOMO TECH		DONG-A		ASECO		DATE		ORDER NO.	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		DRAWING		DESIGN		CHECKED		APPROVED	
REVISIONS		DIAGRAM		SCALE		NONE		DWG. NO		KDC28E54	
DATE		CHK. APP.		KUK DONG HOIST CO., LTD.		KDC28E54		KDC28E54		KDC28E54	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER CIRCUIT																			
TRAVERSING MOTION																			
C2																			



SPECIFICATION SYMBOLS		DESCRIPTION		MAGNET CONTACTOR		ELECTRIC OVER CURRENT RELAY		TRANSFORMER	
TRAVERSING MOTOR		IM 30		M301, M302, M303, M304, M305		EOCR 301,302		TR300	
460V		0.5/0.25KWx6 1/2P AC3PH 460V 60Hz		DMC22C		SS-05		AC460/220V, 300VA	
460V		0.8/0.4KWx4/8P AC3PH 460V 60Hz		DMC22C		SS-05		AC460/220V, 300VA	
SELECTION MAKER		KUKDONG		DONG-A		ASECO		SHINHAN	
CUSTOMER		KUKDONG		DRAWING		DESIGN		APPROVED	
DRAWING TITLE		TRAVERSING POWER CONTROL CIRCUIT		CHECKED		SCALE		DATE	
REVISIONS		CHK. APP.		NONE		DWG. NO		KDC28E55	
DATE		KUKDONG		KUKDONG HOIST CO., LTD.		KDC28E55		KDC28E55	

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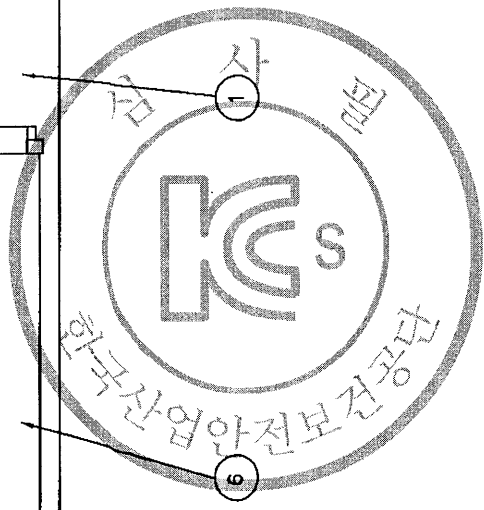
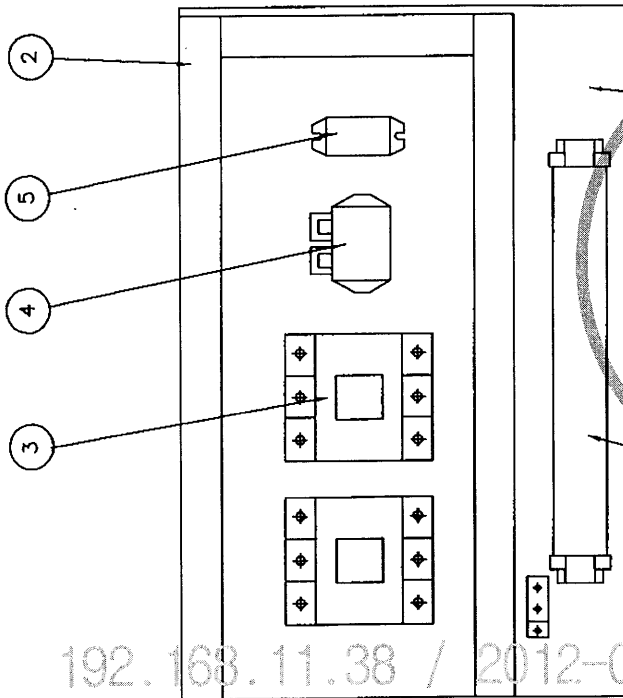
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POWER CIRCUIT										TRAVERSING MOTION										ADR'S NO.	C2
SPECIFICATION		SYMBOLS		DESCRIPTION		DC MAG' BRAKE		MAGNET CONTACTOR		SILICON RECTIFIER		ELECTRIC OVER CURRENT RELAY		TRANSFORMER							
				IM 30, IM31		DB30, DB31		M301, M302, M303, M304, M305		RF 300		EOCR 301,302		TR300							
		460V		0.5/0.25KWx6/12P AC3PH 460V 60Hz		DC 100V		DMC22C		SR-30		SS-05		AC460/220V, 300VA							
		460V		0.8/0.4KWx4/8P AC3PH 460V 60Hz		DC 100V		DMC22C		SR-30		SS-05		AC460/220V, 300VA							
SELECTION		MAKER		KUKDONG				DONG-A		ASECO				SHINHAN							
CUSTOMER								DRAWING		DESIGN		CHECKED		APPROVED		SCALE		DATE			
DRAWING		TITLE		TRAVERSING POWER CONTROL CIRCUIT																	
REVISIONS		CHK.		APP.																	
DATE																					
MK																		KDC28E56			

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



NOTE. 1. 전선의 색상은 다음과 같다.

- 1) 흑색 : 교류 및 직류전원선
- 2) 적색 : 교류제어선
- 3) 청색 : 직류제어선
- 4) 녹색 또는 녹색과 노랑 혼용 : 접지선

2. CABLE MATERIAL : KIV OR EQUIVALENT

MIN SIZE : 2.5sq

- 3. 제어용 전선 : 2.5mm KIV/HIV
- 4. 제라시 다스 변경 필수있음.
- 5. 외함 개방구조는 다음과 같을것.

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

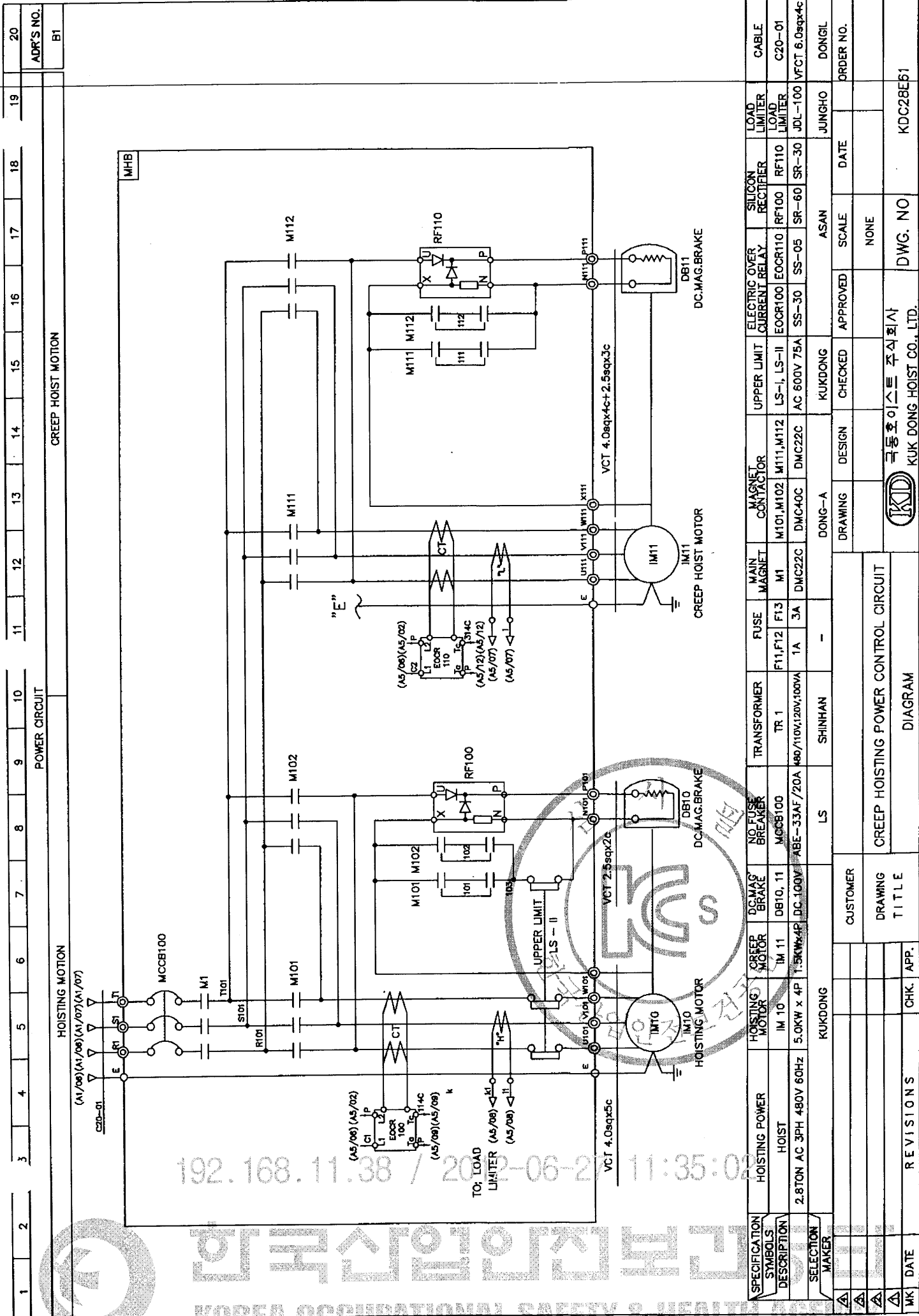
NO	DESCRIPTION	SPEC	Q'TY	REMARK
1	CHASSIS PLATE	-	1	아 연 도 금
2	CABLE DUCT	-	1	
3	MAGNET CONTACT	DMC22C	2	TRAVERSING
4	E.O.C.R	SS-05	1	TRAVERSING
5	SILICON RECTIFIER	SR-30	1	TRAVERSING
6	TERMINAL BLOCK	25A, 15A	1	TRAVERSING

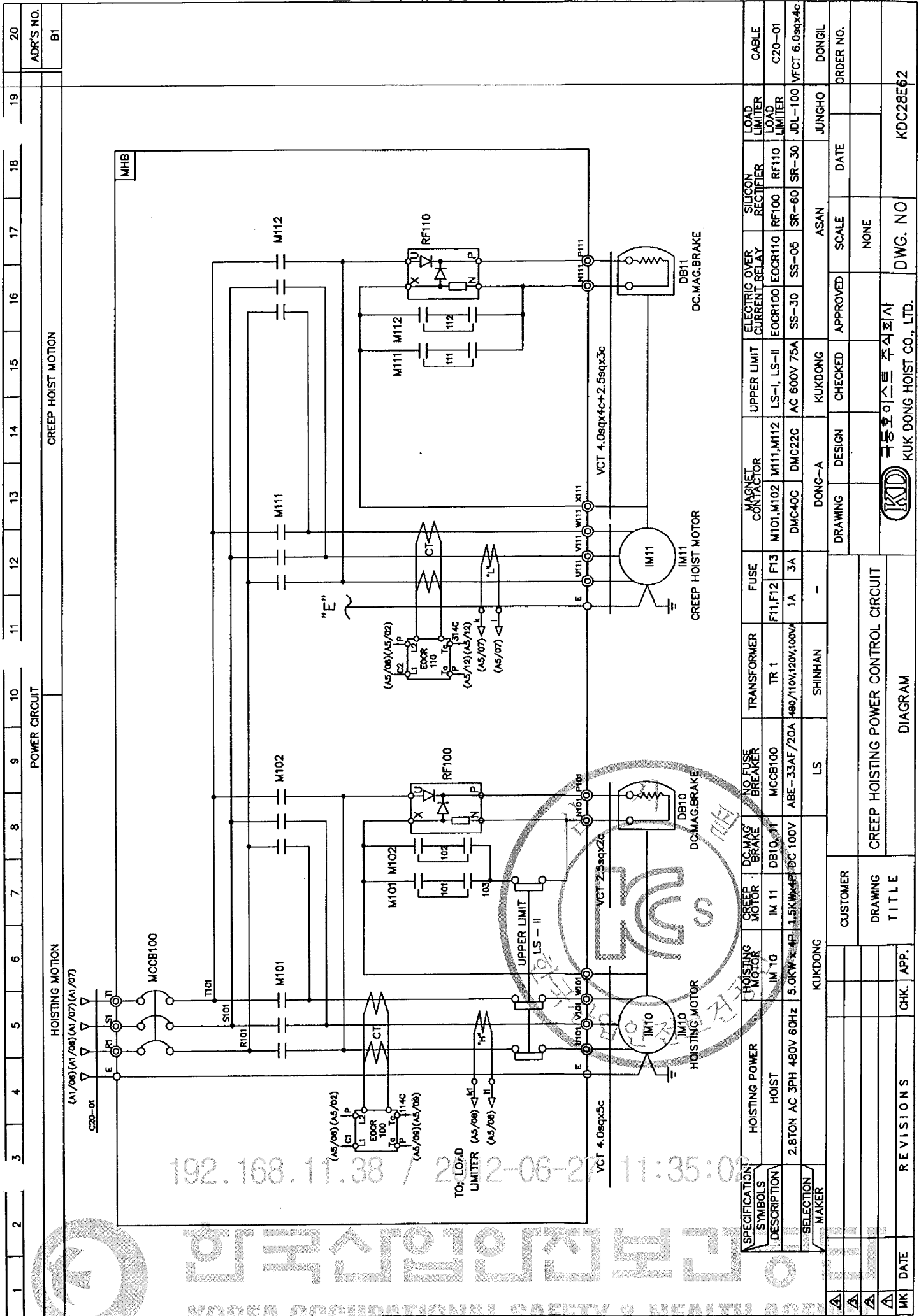
DRAWING		DESIGN	CHECKED	APPROVED	SCALE	DATE	ORDER NO.
TRAVERSING POWER CONTROL BOX		ARRANGEMENT DRAWING		NONE			
CUSTOMER		DRAWING TITLE		DWC. NO		KDC28bt52	
REVISIONS		CHK. APP.					
MK	DATE						



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																			ADR'S NO.
																			C1

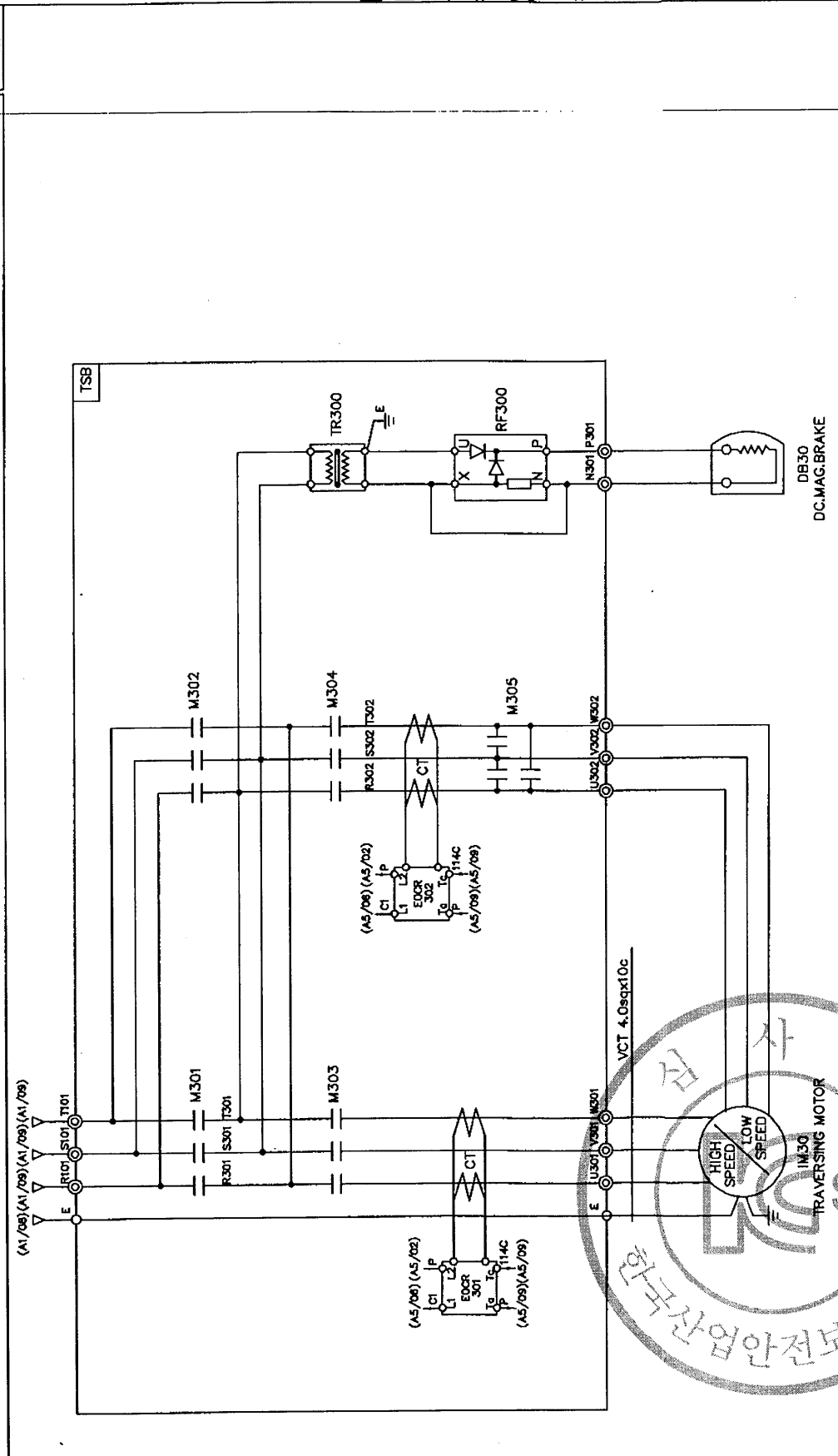
POWER CIRCUIT

TRAVERSING MOTION

SPECIFICATION SYMBOLS		DESCRIPTION		SELECTION MAKER		CUSTOMER		DRAWING TITLE		REVISIONS		CHK. APP.	
IM 30		TRAVERSING MOTOR		KUKDONG				TRAVERSING POWER CONTROL CIRCUIT					
DB 30		DC MAG. BRAKE		DONG-A				DIAGRAM					
M301, M302		MAGNET CONTACTOR		DONG-A									
RF 300		SILICON RECTIFIER		ASECO									
EOCR 300		ELECTRIC OVER CURRENT RELAY											
SS-05													
HY - W904													
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
POWER CIRCUIT																				ADR'S NO.
TRAVERSING MOTION																				
C2																				



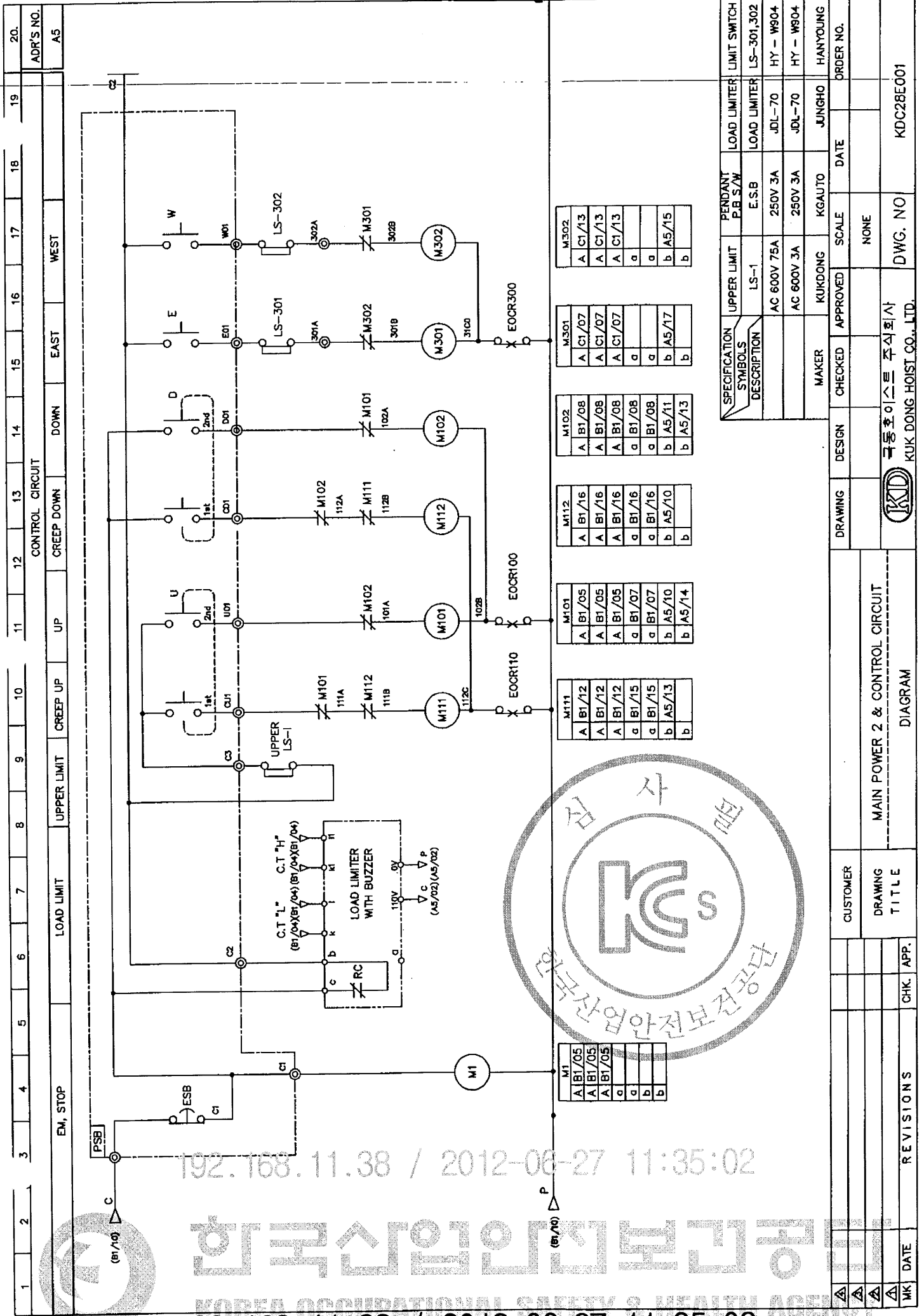
SPECIFICATION SYMBOLS DESCRIPTION	TRAVERSING MOTOR	DC MAG' BRAKE	MAGNET CONTACTOR	SILICON RECTIFIER	ELECTRIC OVER CURRENT RELAY	TRANSFORMER
	IM 30	DB30	M301, M302, M303, M304, M305	RF 300	EOCR 301,302	TR300
SELECTION MAKER	0.5/025KWx6/12P AC3PH 480V 60Hz	DC 100V	DMC22C	SR-30	SS-05	AC480/220V, 300VA
	480V	DC 100V	DMC22C	SR-30	SS-05	AC480/220V, 300VA
KUKDONG						SHINHAN
CUSTOMER						ORDER NO.
DRAWING TITLE						DATE
REVISIONS						SCALE
DATE						NONE
CHK. APP.						DWG. NO
						KDC28E65

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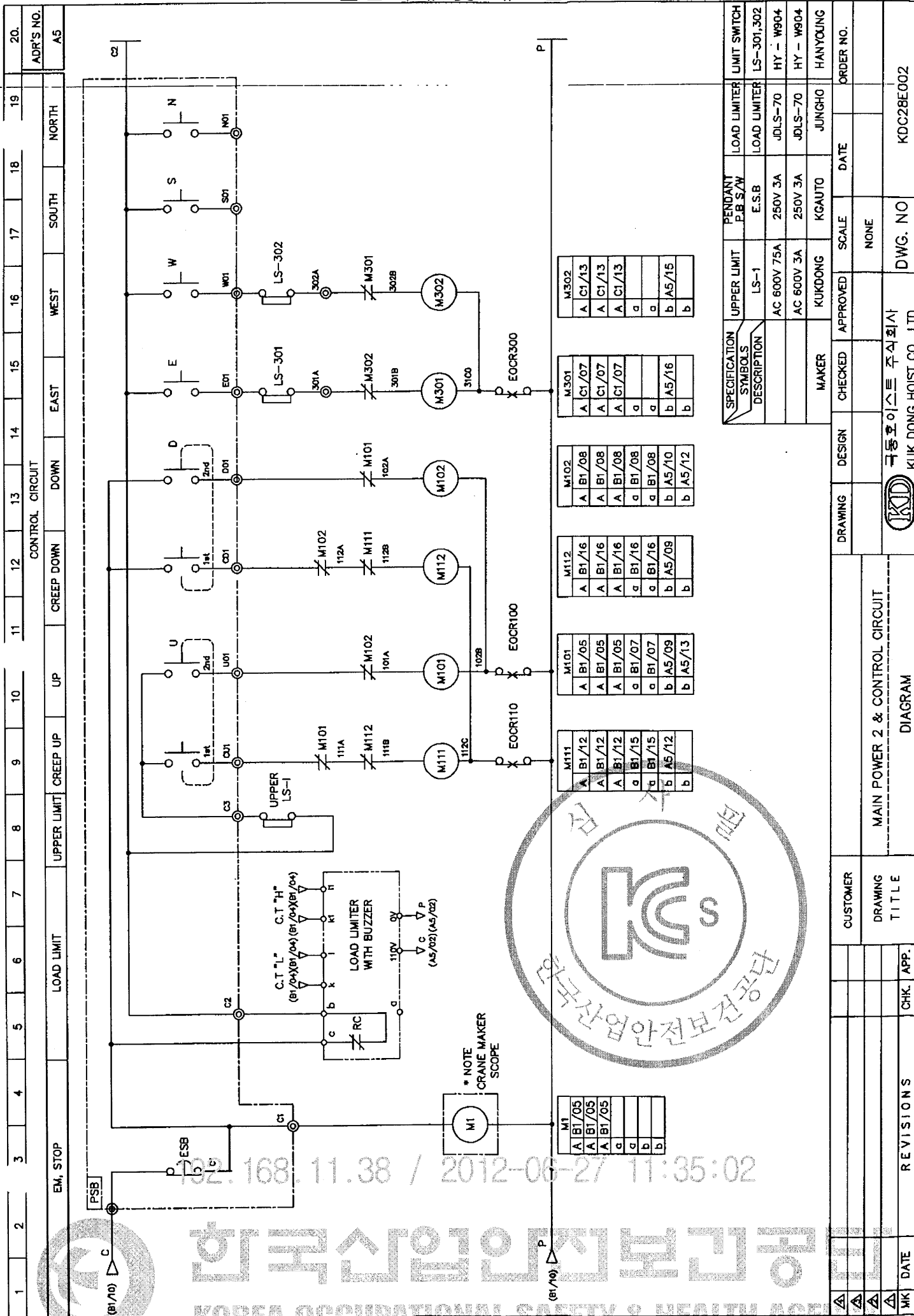
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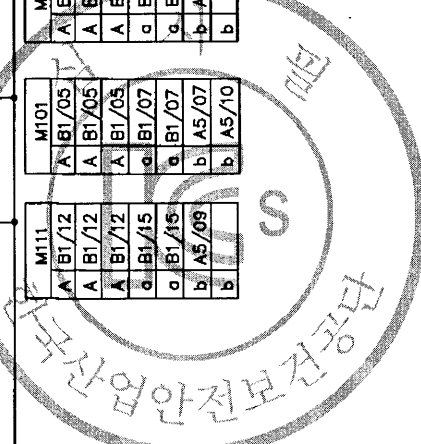
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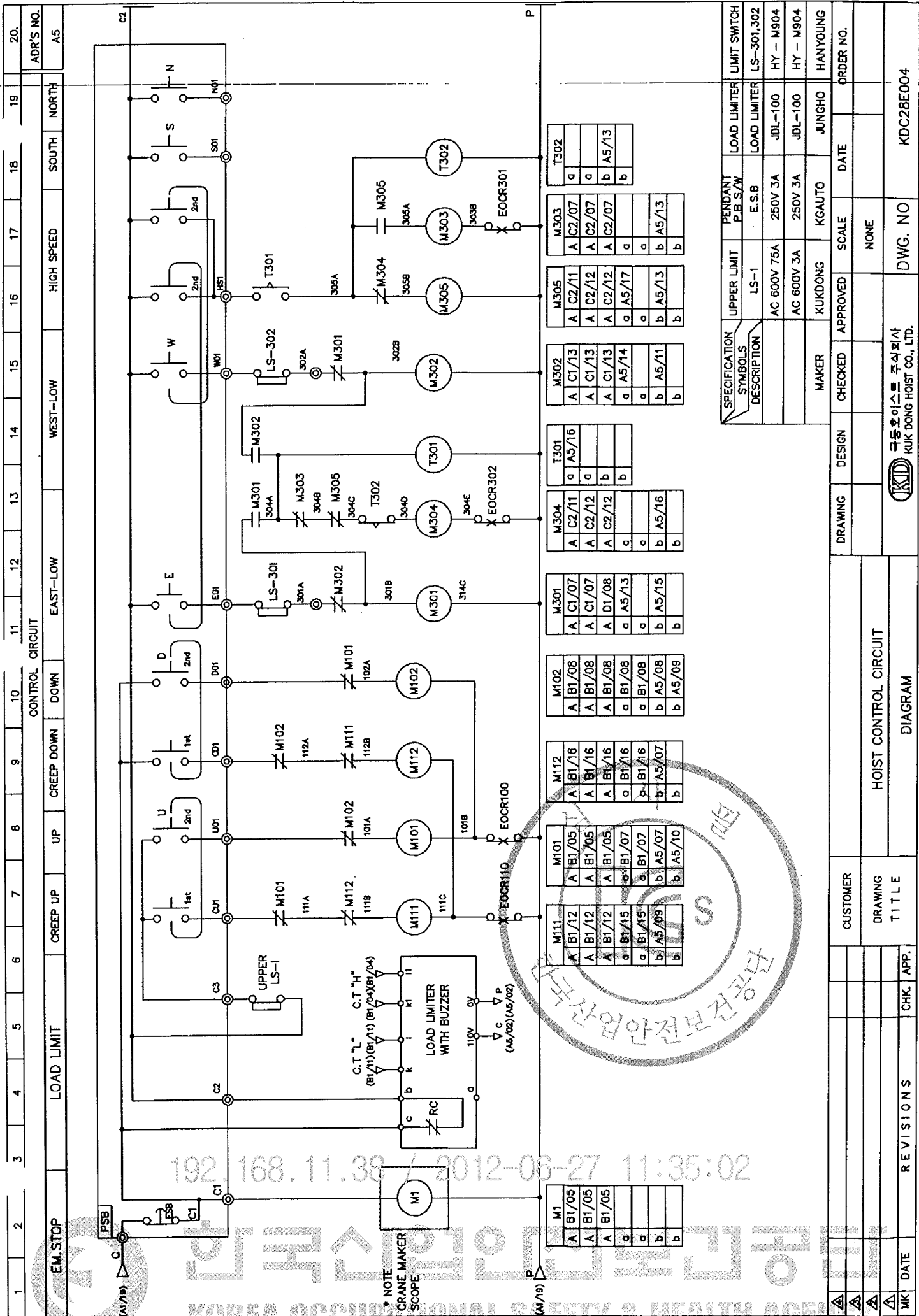


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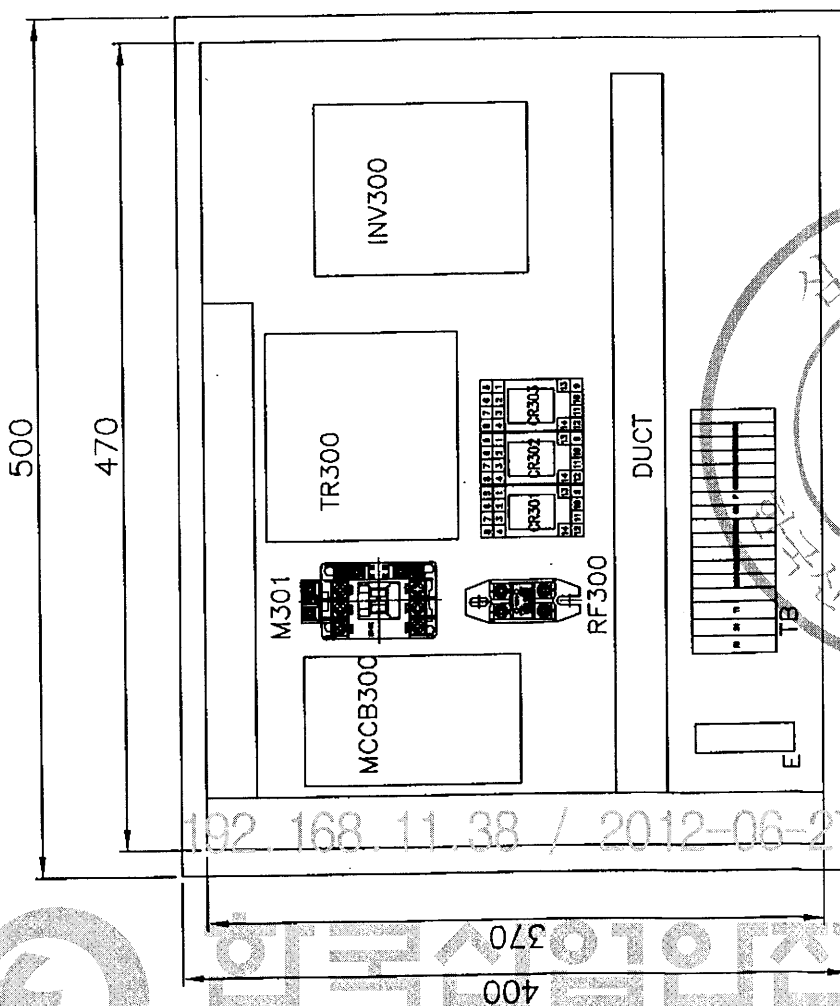






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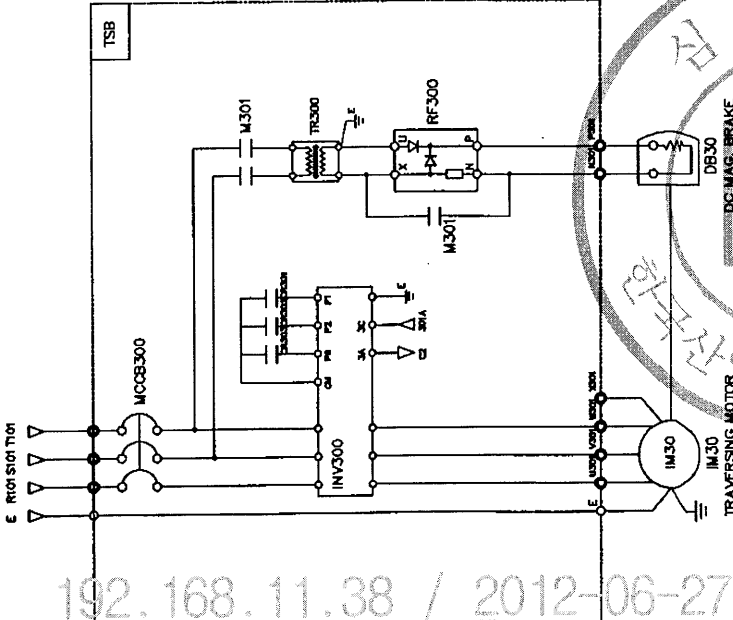
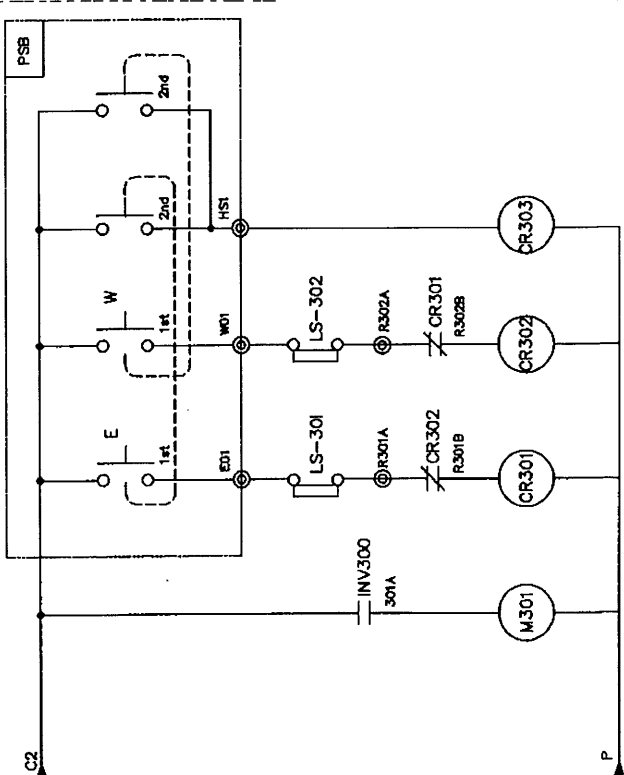
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R1	S1	T1	U50-1301-1630	P30-1N30	CZ	P	EDT	1301A	W01	1002A	HS1
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2	속 관	SS400	1					
1	T/S BOX	PUR	1					
NO.	DESCRIPTION	MTL	SUB QTY	TOTAL QTY	SUB WEIGHT(Kg)	TOTAL WEIGHT(Kg)	REMARKS.	
PROJECT					DATE		DIM	
							mm	
TITLE		T/S CONTROL PANEL(INVERTER)			SCALE		PROJECTION	
					A3/3		3rd	
DRAWN	DESIGNED	CHECKED	APPROVED		REF.	DRAWING		
 KUDONGHOIST Co., Ltd.				SHEET No.		DWG No.		
						KD05EI001		

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

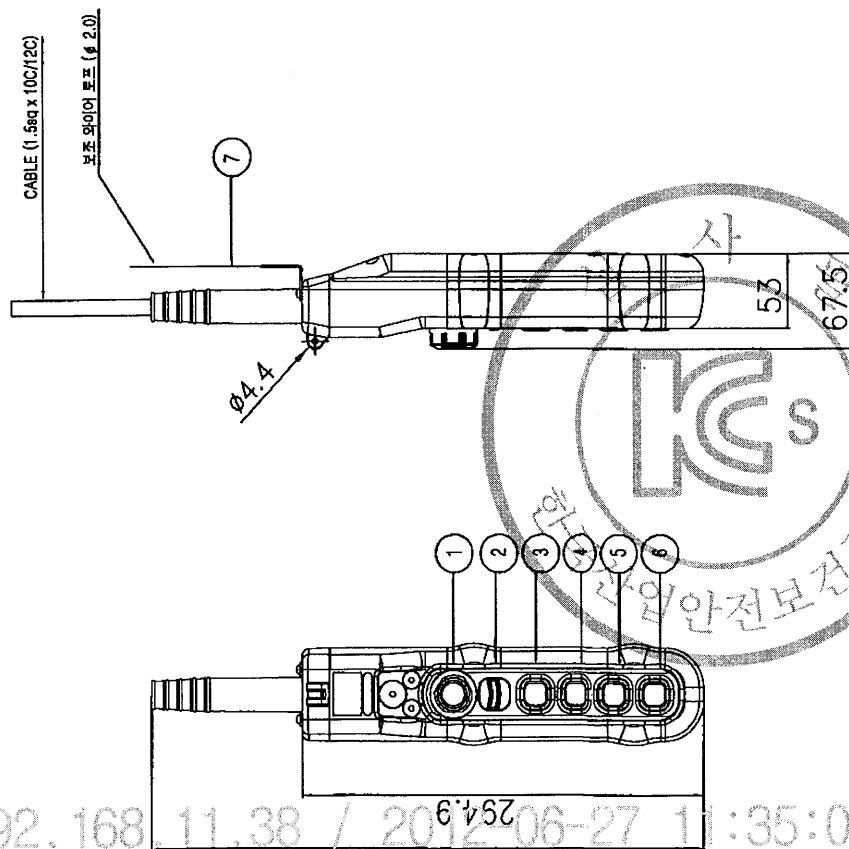
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TRAVERSING MOTION										CONTROL CIRCUIT DIAGRAM										ADR'S NO.																																																																					
POWER CIRCUIT DIAGRAM										BRAKE										EAST		WEST		HIGH SPEED																																																																	
																																																																																									
<table border="1"><thead><tr><th>SPECIFICATION SYMBOLS</th><th>TRAVERSING POWER</th><th>TRAVERSING MOTOR</th><th>DC MAG. BRAKE</th><th>NO FUSE BREAKER</th><th>TRANSFORMER</th><th>BRAKE MAGNET</th><th>CONTROL RELAY</th><th>INVERTER</th><th>SILICON RECTIFIER</th></tr></thead><tbody><tr><td>DESCRIPTION</td><td>AC 3PH 220V 60Hz</td><td>IM-30 0.75KW x 4P</td><td>DB30 DC 100V</td><td>MCCB300 ABE-33AF/10AT</td><td>TR 300 220/220V,200VA</td><td>M301 DMC22C</td><td>CR301,302,303 CR301,302,303</td><td>INV300 SV015GSA-2</td><td>RF300 SR-30</td></tr><tr><td></td><td>AC 3PH 380(440,460,480)V 60Hz</td><td>IM-30 0.75KW x 4P</td><td>DC 100V</td><td>ABE-33AF/5AT</td><td>380(440,460,480)/220V,200VA</td><td>DMC22C</td><td>MINI 4a4b(Coil AC110V)</td><td>SV015GSA-4</td><td>SR-30</td></tr><tr><td></td><td>AC 3PH 220V 60Hz</td><td>IM-30 0.5KW x 6P</td><td>DC 100V</td><td>ABE-33AF/10AT</td><td>220/220V,200VA</td><td>DMC22C</td><td>MINI 4a4b(Coil AC110V)</td><td>SV015GSA-2</td><td>SR-30</td></tr><tr><td></td><td>AC 3PH 380(440,460,480)V 60Hz</td><td>IM-30 0.5KW x 6P</td><td>DC 100V</td><td>ABE-33AF/5AT</td><td>380(440,460,480)/220V,200VA</td><td>DMC22C</td><td>MINI 4a4b(Coil AC110V)</td><td>SV015GSA-4</td><td>SR-30</td></tr><tr><td>SELECTION MAKER</td><td colspan="9">KUK DONG HOIST</td><td colspan="2">LS</td><td colspan="2">ASAN</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr></tbody></table>																				SPECIFICATION SYMBOLS	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER	DESCRIPTION	AC 3PH 220V 60Hz	IM-30 0.75KW x 4P	DB30 DC 100V	MCCB300 ABE-33AF/10AT	TR 300 220/220V,200VA	M301 DMC22C	CR301,302,303 CR301,302,303	INV300 SV015GSA-2	RF300 SR-30		AC 3PH 380(440,460,480)V 60Hz	IM-30 0.75KW x 4P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-4	SR-30		AC 3PH 220V 60Hz	IM-30 0.5KW x 6P	DC 100V	ABE-33AF/10AT	220/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-2	SR-30		AC 3PH 380(440,460,480)V 60Hz	IM-30 0.5KW x 6P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-4	SR-30	SELECTION MAKER	KUK DONG HOIST									LS		ASAN							
SPECIFICATION SYMBOLS	TRAVERSING POWER	TRAVERSING MOTOR	DC MAG. BRAKE	NO FUSE BREAKER	TRANSFORMER	BRAKE MAGNET	CONTROL RELAY	INVERTER	SILICON RECTIFIER																																																																																
DESCRIPTION	AC 3PH 220V 60Hz	IM-30 0.75KW x 4P	DB30 DC 100V	MCCB300 ABE-33AF/10AT	TR 300 220/220V,200VA	M301 DMC22C	CR301,302,303 CR301,302,303	INV300 SV015GSA-2	RF300 SR-30																																																																																
	AC 3PH 380(440,460,480)V 60Hz	IM-30 0.75KW x 4P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-4	SR-30																																																																																
	AC 3PH 220V 60Hz	IM-30 0.5KW x 6P	DC 100V	ABE-33AF/10AT	220/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-2	SR-30																																																																																
	AC 3PH 380(440,460,480)V 60Hz	IM-30 0.5KW x 6P	DC 100V	ABE-33AF/5AT	380(440,460,480)/220V,200VA	DMC22C	MINI 4a4b(Coil AC110V)	SV015GSA-4	SR-30																																																																																
SELECTION MAKER	KUK DONG HOIST									LS		ASAN																																																																													
CUSTOMER										DRAWING										DESIGN		CHECKED		APPROVED		SCALE		DATE		ORDER NO.																																																											
KUK DONG HOIST										KUK DONG HOIST										KUK DONG HOIST		KUK DONG HOIST		KUK DONG HOIST		KUK DONG HOIST		KUK DONG HOIST		KUK DONG HOIST																																																											
DRAWING TITLE										TRAVERSING POWER & CONTROL CIRCUIT										DWG. NO		K05E1004																																																																			
REVISIONS										CHK. APP.																																																																															
DATE										DATE																																																																															

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구분	조각머핀	표시음
원산지	비상	비상
원산지	비정상	비정상
원산지	정상	정상
원산지	이무	이무
원산지	지정된아미산	기타

* MATERIAL : POLYCARBOBATE(PLASTIC)

* BODY COLOR : YELLOW, BLACK

*|P : 55 0|상

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

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

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* IP : 55.0 | 상

Technical drawing of a mechanical part, likely a bracket or support, showing a side view and a top view. The side view (top) shows a rectangular base with a curved top and a central slot. Dimensions include a total width of 66 and a height of 72. The top view (bottom) shows a rectangular base with a central slot and a curved top. Dimensions include a total width of 66 and a height of 72. A large circular watermark is overlaid on the drawing.

학술진흥사업지원금공고

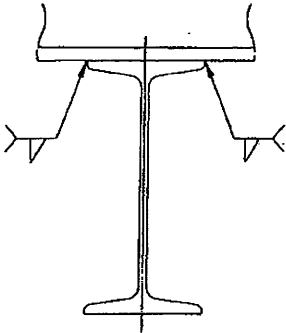
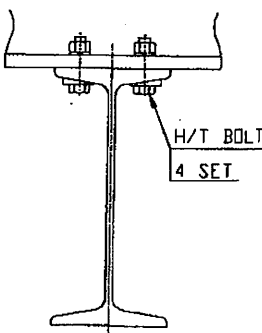
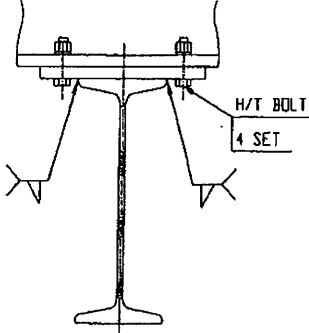


* MATERIAL : POLYCARBONATE(PLASTIC)
* BODY COLOR : YELLOW, BLACK
* IP : 55 이상

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

I-4. I-BEAM의 고정방법 및 사양

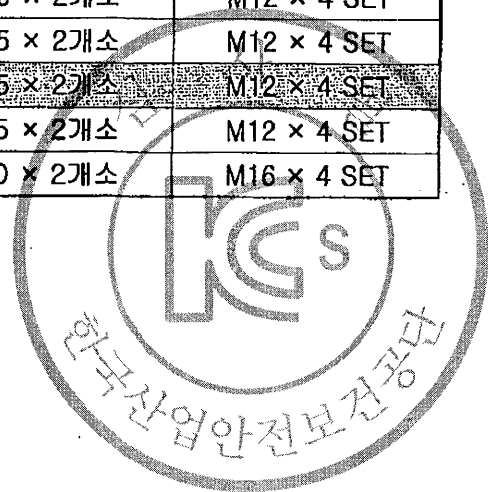
1. I-BEAM의 고정방법

용접구조	BOLT 체결구조	복합구조
	 H/T BOLT 4 SET	 H/T BOLT 4 SET

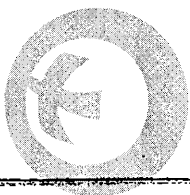
2. 기본조건 및 사양

- * 동하중에 의한 용접이음의 허용응력 (필릿용접 효율 80% 포함) : 560 kg/cm²
- * H/T BOLT의 허용 인장응력 : 2500kg/cm²

정격하중 (TON)	용접구조 (mm)		BOLT 체결구조
	용접두께	최소 용접길이	최소 BOLT SIZE
1.0	6	100 × 2개소	M12 × 4 SET
2.0	6	125 × 2개소	M12 × 4 SET
⇒ 2.8	6	125 × 2개소	M12 × 4 SET
3.0	6	125 × 2개소	M12 × 4 SET
5.0	8	150 × 2개소	M16 × 4 SET



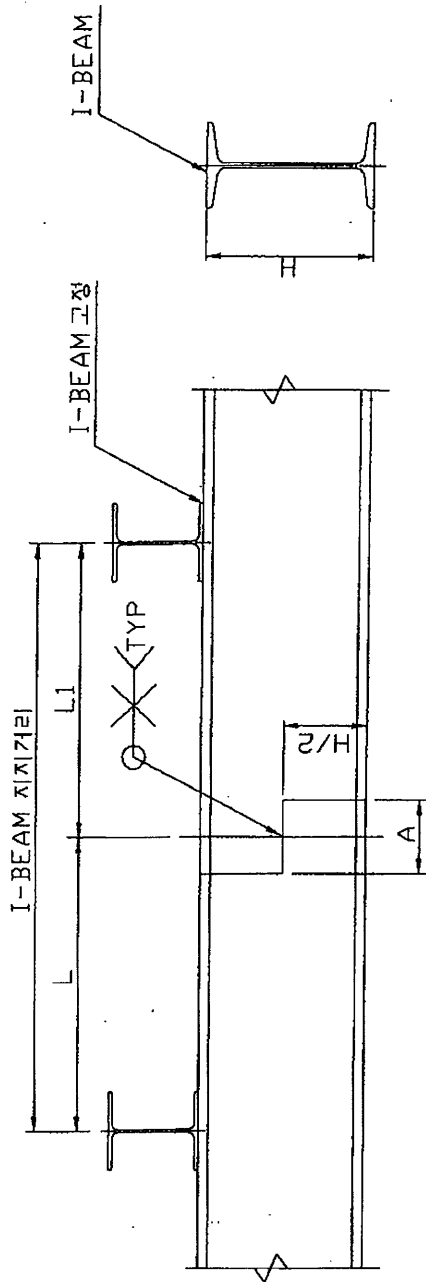
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3. I-BEAM의 연결방법



구조 (단위 : mm)

- * I-BEAM의 용접 연결부위는 I-BEAM 고정 지점과 동일 선상에 위치하지 않도록 한다.
- * 고정 지점 사이 중앙에 용접 연결부위가 일치하지 않도록 한다.



사용 I-BEAM	A	H	H/2	최대 지지거리				
				1 T	2 T	2.8 T	3 T	5 T
200×100×t7/10	200	200	100	4000				
250×125×t7.5/12.5	200	250	125	6000	4400	3700	3600	
300×150×t10/18.5	300	300	150	9000	6800	5800	5800	4500
350×150×t9/15	300	350	175	9800	7500	6300	6000	5900
400×150×t10/18	300	400	200	12600	9400	8000	7700	5700
450×175×t11/20	300	450	225		11000	10000	9900	7700

단, 사용 I-BEAM은 MODEL별 기술사항서의 BEAM 폭을 참조 할 것

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* I-BEAM 고정 방법 중 용접 구조의 용접 강도

$$\text{용접부 강도 } \sigma = 1.14 \times \frac{\text{I-BEAM 자중} + 1.25 \times (\text{정격하중} + \text{Hoist 자중})}{0.707 \times \text{용접 두께} \times \text{용접 길이}} \leq 560 \text{ kg/cm}^2$$



I-BEAM 규격	BEAM 자중 (kg/m)	용접 두께 (cm)	최소 용접 길이 (cm)	1 T		2 T		2.8 T		3 T		5 T	
				HOIST 자중 (KG)	용접강도 (kg/cm ²)	HOIST 자중 (KG)	용접강도 (kg/cm ²)	HOIST 자중 (KG)	용접강도 (kg/cm ²)	HOIST 자중 (KG)	용접강도 (kg/cm ²)	HOIST 자중 (KG)	용접강도 (kg/cm ²)
200×100×17/10	26.0	0.6	10×2	320	225.2								
250×125×17.5/12.5	38.3	0.6	12.5×2	320	181.5	520	342.7	620	463.7	620	490.5		
300×150×19/13.5	65.6	0.6	15.0×2	320	153.7	520	288.1	620	388.8	620	411.2	642	478.2
350×150×19/15	58.5	0.6	15.0×2	320	153.0	520	287.4	620	388.2	620	410.6	642	477.8
400×150×19/18	72.0	0.8	15.0×2	320	115.7	520	288.6	620	389.4	620	411.8	642	478.7
450×175×19/20	91.7	0.8	17.5×2			520	290.4	620	391.2	620	354.5	642	480.0

단, 사용 I-BEAM은 MODEL 별 기술 사양서의 BEAM 폭을 참조 함 것

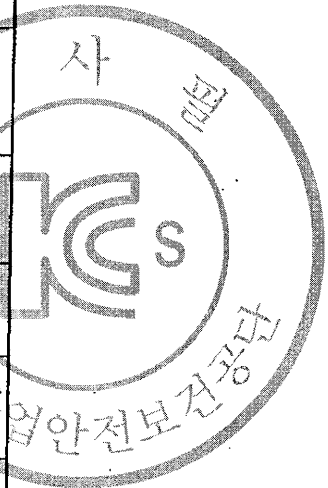


* I-BEAM 고정 방법 중 BOLT 고정 강도

$$\text{BOLT 강도 } \sigma = 1.14 \frac{\text{I-BEAM자중} + 1.25 \times (\text{정격하중} + \text{Hoist자중})}{\text{BOLT 단면적} \times \text{BOLT 수}} \leq 2500 \text{ kg/cm}^2$$



I-BEAM 규격	BEAM 자중 (kg/m)	BOLT 규격	BOLT 수	BOLT 단면적 (cm ²)	1 T		2 T		2.5 T		3 T		5 T	
					HOIST 자중(KG)	BOLT강도 (kg/cm ²)	HOIST 자중(KG)	BOLT강도 (kg/cm ²)	HOIST 자중(KG)	BOLT강도 (kg/cm ²)	HOIST 자중(KG)	BOLT강도 (kg/cm ²)	HOIST 자중(KG)	BOLT강도 (kg/cm ²)
200×100×17/10	26.0	M12	4	1.13	320	422.7								
250×125×17.5/12.5	38.3	M12	4	1.13	320	425.8	520	804.1	620	1087.9	620	1150.9		
300×150×19/13.5	65.6	M12	4	1.13	320	432.7	520	811.0	620	1094.8	620	1157.8	642	1009.3
350×150×19/15	58.5	M12	4	1.13	320	430.9	520	809.2	620	1093.0	620	1156.0	642	1008.3
400×150×19/18	72.0	M16	4	2.01	320	244.2	520	456.9	620	616.4	620	651.8	642	1010.2
450×175×11/20	91.7	M16	4	2.01			520	459.6	620	619.2	620	654.6	642	1013.0



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I-5. I-BEAM의 최대 지지거리

5-1. 굽힘 MOMENT 계산

1. 수직하중에 의한 굽힘 MOMENT

$$\text{BEAM 자중에 의한 MOMENT : } M_s = \frac{M \times \text{I-BEAM 자중} \times (\text{지지거리})^2}{8} \quad \text{kg-cm}$$

$$M_s = \frac{1.05 \times 38.3 \times 370^2}{8} = 6882 \quad \text{kg-cm}$$

$$\text{이동하중에 의한 MOMENT : } M_d = F \times \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}}{4} \quad \text{kg-cm}$$

$$M_d = 1.254 \times \frac{(2800 + 620) \times 370}{4} = 396703 \quad \text{kg-cm}$$

$$\text{* 호이스트 자중} = 620 \text{ KG} \quad \text{용 량 : } 2800 \text{ KG}$$

$$\text{* DYNAMIC COEFFICIENT : } F = 1.254$$

$$\text{* STATIC COEFFICIENT : } M = 1.05$$

$$\text{굽힘 MOMENT 합계 : } \Sigma M_v = M_s + M_d = 6882 + 318416 = 403585 \quad \text{kg-cm}$$

2. 풍하중에 의한 굽힘 MOMENT

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

$$M_w = \frac{32.93 \times 370}{2} = 6092.9 \quad \text{kg-cm}$$

$$\begin{aligned} \text{풍하중 : } W &= \text{속도압}(q) \times \text{속도계수}(C) \times \text{압력을 받는 면적}(A) \text{ (kg)} \\ &= 23.66 \times 1.2 \times 1.16 = 32.93 \text{ (kg)} \end{aligned}$$

$$\text{속도압 : } q = 8.5 \times \sqrt[4]{h} \text{ (kg/m}^2\text{)} = 8.5 \times \sqrt[4]{60} = 23.66 \text{ (kg/m}^2\text{)}$$

$$\text{속도계수 : } C = 1.2 \text{ (크레인 제작기준 참조)}$$

$$\begin{aligned} \text{풍압을 받는 면적 } A &= \text{I-BEAM의 면적} + \text{HOIST의 면적 (m}^2\text{)} \\ &= 0.79 + 0.37 = 1.16 \text{ (m}^2\text{)} \end{aligned}$$

$$\text{* 호이스트의 풍압을 받는 면적} \approx 0.8 \text{ m}^2$$

I-BEAM 규격	BEAM 자중 (kg/m)	최 대 지지거리 (cm)	M _s (kg-cm)	M _d (kg-cm)	ΣM _v (kg-cm)	W (kg)	M _w (kg-cm)	A (m ²)
250×125×t7.5/12.5	38.3	370	6882	396703	403585	32.93	6092.9	1.16
300×150×t10/18.5	65.6	580	28964	621859	650823	59.91	17373.1	2.11
350×150×t9/15	58.5	600	30474	675467	705942	70.13	21038.5	2.47
400×150×t10/18	72.0	770	60480	857736	918216	90.00	34651.0	3.17
450×175×t11/20	91.7	990	143740	1072170	1215910	126.91	50764.9	4.47

단, 사용 I-BEAM은 MODEL별 기술사양서의 BEAM 쪽을 참조 할 것

5-2. 굽힘 응력 계산

1. 수직하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_v &= \frac{\text{수직 굽힘 MOMENT 합계 : } \Sigma M_v}{\text{단면 계수 : } Z_x} \quad (\text{kg/cm}^2) \\ &= \frac{403585}{415} = 972.5 \quad (\text{kg/cm}^2) \end{aligned}$$

2. 풍하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_w &= \frac{\text{풍하중에 의한 굽힘 MOMENT : } M_w}{\text{단면 계수 : } Z_y} \quad (\text{kg/cm}^2) \\ &= \frac{6092.9}{56.2} = 108.4 \quad (\text{kg/cm}^2) \end{aligned}$$

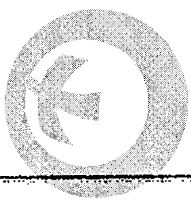
2. 풍하중에 의한 굽힘 응력

$$* \Sigma \sigma = \sigma_v + \sigma_w \leq 0.8 \times 1449 = 1159 \text{ kg/cm}^2$$

I-BEAM 규격	단 면 계 수 Zx	단 면 계 수 Zy	ΣM_v (kg-cm)	Mw (kg-cm)	σ_v (kg/cm ²)	σ_w (kg/cm ²)	$\Sigma \sigma$ (kg/cm ²)
⇒ 250×125×t7.5/12.5	415	56.2	403585	6092.9	972.5	108.4	1080.9
300×150×t10/18.5	849	118	650823	17373.1	766.6	147.2	913.8
350×150×t9/15	871	95.4	705942	21038.5	810.5	220.5	1031.0
400×150×t10/18	1220	118	918216	34651.0	752.6	293.7	1046.3
450×175×t11/20	1740	177	1215910	50764.9	698.8	286.8	985.6

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.

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5-3. I-BEAM 처짐(DEFLECTION)

1. I-BEAM 자중에 의한 처짐

$$\begin{aligned} * \delta_s &= \frac{5 \times \text{I-BEAM 자중} \times \text{지지거리}^3}{384 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{5 \times 38.3 \times 370^3}{384 \times 2100000 \times 5180} = 0.02322 \quad (\text{cm}) \end{aligned}$$

2. 이동하중에 의한 처짐 (DEFLECTION)

$$\begin{aligned} * \delta_d &= \frac{(\text{정격하중} + \text{호이스트자중}) \times \text{지지거리}^3}{48 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{(2800 + 620) \times 370^3}{48 \times 2100000 \times 5180} = 0.332 \quad (\text{cm}) \end{aligned}$$

3. 판 정

1) 이동하중에 의한 처짐판정(하단표기)

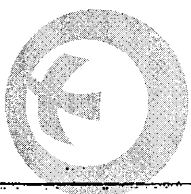
$$\begin{aligned} \frac{\text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{1000} \\ &= \frac{0.332}{370} = \frac{1}{1115} < \frac{1}{1000} \end{aligned}$$

2) 처짐량 합계에 의한 처짐판정 (하단표기)

$$\begin{aligned} \frac{\text{I-BEAM 자중에 의한 처짐} : \delta_s + \text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{800} \\ &= \frac{0.02322 + 0.308}{370} = \frac{1}{1042} < \frac{1}{800} \end{aligned}$$

I-BEAM 규격	단면2차 MOMENT I_x	BEAM 자중 (kg/m)	δ_s (cm)	δ_d (cm)	이동하중에 의한 처짐 판정	처짐량 합계에 의한 처짐판정
250×125×t7.5/12.5	5180	38.3	0.023	0.332	1 / 1115	1 / 1042
300×150×t10/18.5	12700	65.6	0.06249	0.521	1 / 1113	1 / 994
350×150×t9/15	15200	58.5	0.05154	0.482	1 / 1244	1 / 1124
400×150×t10/18	24100	72	0.08457	0.643	1 / 1198	1 / 1059
450×175×t11/20	39200	91.7	0.14074	0.840	1 / 1179	1 / 1010

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.



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I-6. I-BEAM의 최대 지지거리

6-1. 굽힘 MOMENT 계산

1. 수직하중에 의한 굽힘 MOMENT

$$\text{BEAM 자중에 의한 MOMENT : } M_s = \frac{M \times \text{I-BEAM 자중} \times (\text{지지거리})^2}{8} \quad \text{kg-cm}$$

$$M_s = \frac{1.05 \times 65.6 \times 580^2}{8} = 28964 \quad \text{kg-cm}$$

$$\text{이동하중에 의한 MOMENT : } M_d = F \times \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}}{4} \quad \text{kg-cm}$$

$$M_d = 1.254 \times \frac{(2800 + 620) \times 580}{4} = 621859 \quad \text{kg-cm}$$

$$* \text{ 호이스트 자중 } = 620 \text{ KG} \quad \text{용 량 : } 2800 \text{ KG}$$

$$* \text{ DYNAMIC COEFFICIENT : } F = 1.254$$

$$* \text{ STATIC COEFFICIENT : } M = 1.05$$

$$\text{굽힘 MOMENT 합계 : } \Sigma M_v = M_s + M_d = 28964 + 577128 = 650823 \quad \text{kg-cm}$$

2. 풍하중에 의한 굽힘 MOMENT

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

$$M_w = \frac{59.91 \times 580}{2} = 17373.1 \quad \text{kg-cm}$$

$$\begin{aligned} \text{풍하중 : } W &= \text{속도압}(q) \times \text{속도계수}(C) \times \text{압력을 받는 면적}(A) \text{ (kg)} \\ &= 23.66 \times 1.2 \times 2.11 = 59.91 \text{ (kg)} \end{aligned}$$

$$\text{속도압 : } q = 8.5 \times \sqrt[4]{h} \text{ (kg/m}^2\text{)} = 8.5 \times \sqrt[4]{60} = 23.66 \text{ (kg/m}^2\text{)}$$

$$\text{속도계수 : } C = 1.2 \text{ (크레인 제작기준 참조)}$$

$$\begin{aligned} \text{풍압을 받는 면적 } A &= \text{I-BEAM의 면적} + \text{HOIST의 면적 (m}^2\text{)} \\ &= 1.74 + 0.37 = 2.11 \text{ (m}^2\text{)} \end{aligned}$$

$$* \text{ 호이스트의 풍압을 받는 면적 } \approx 0.8 \text{ m}^2$$

I-BEAM 규격	BEAM 자중 (kg/m)	최 대 지지거리 (cm)	M _s (kg-cm)	M _d (kg-cm)	ΣM _v (kg-cm)	W (kg)	M _w (kg-cm)	A (m ²)
250×125×t7.5/12.5	38.3	370	6882	396703	403585	32.93	6092.9	1.16
300×150×t10/18.5	65.6	580	28964	621859	650823	59.91	17373.1	2.11
350×150×t9/15	58.5	630	30474	675467	705942	70.13	22090.4	2.47
400×150×t10/15	72.0	800	60480	857736	918216	90.00	36000.0	3.17
450×175×t11/20	91.7	1000	143740	1072170	1215910	126.91	50764.9	4.47

단, 사용 I-BEAM은 MODEL별 기술사양서의 BEAM 폭을 참조 할 것

6-2. 굽힘 응력 계산

1. 수직하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_v &= \frac{\text{수직 굽힘 MOMENT 합계 : } \Sigma M_v}{\text{단면 계수 : } Z_x} \quad (\text{kg/cm}^2) \\ &= \frac{650823}{849} = 766.6 \quad (\text{kg/cm}^2) \end{aligned}$$

2. 풍하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_w &= \frac{\text{풍하중에 의한 굽힘 MOMENT : } M_w}{\text{단면 계수 : } Z_y} \quad (\text{kg/cm}^2) \\ &= \frac{17373.1}{118} = 147.2 \quad (\text{kg/cm}^2) \end{aligned}$$

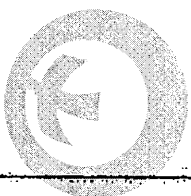
2. 풍하중에 의한 굽힘 응력

$$* \Sigma \sigma = \sigma_v + \sigma_w \leq 0.8 \times 1449 = 1159 \text{ kg/cm}^2$$

I-BEAM 규격	단 면 계 수 Zx	단 면 계 수 Zy	ΣM_v (kg-cm)	Mw (kg-cm)	σ_v (kg/cm ²)	σ_w (kg/cm ²)	$\Sigma \sigma$ (kg/cm ²)
250×125×t7.5/12.5	415	56.2	403585	6092.9	972.5	108.4	1080.9
⇒ 300×150×t10/18.5	849	118	650823	17373.1	766.6	147.2	913.8
350×150×t9/15	871	95.4	705942	22090.4	810.5	231.6	1042.1
400×150×t10/18	1220	118	918216	36000.0	752.6	305.1	1057.7
450×175×t11/20	1740	177	1215910	50764.9	698.8	286.8	985.6

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.

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6-3. I-BEAM 처짐(DEFLECTION)

1. I-BEAM 자중에 의한 처짐

$$\begin{aligned} * \delta_s &= \frac{5 \times \text{I-BEAM 자중} \times \text{지지거리}^3}{384 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{5 \times 65.6 \times 580^3}{384 \times 2100000 \times 5180} = 0.0625 \quad (\text{cm}) \end{aligned}$$

2. 이동하중에 의한 처짐 (DEFLECTION)

$$\begin{aligned} * \delta_d &= \frac{(\text{정격하중} + \text{호이스트자중}) \times \text{지지거리}^3}{48 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{(2800 + 620) \times 580^3}{48 \times 2100000 \times 5180} = 0.521 \quad (\text{cm}) \end{aligned}$$

3. 판 정

1) 이동하중에 의한 처짐판정(하단표기)

$$\begin{aligned} \frac{\text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{1000} \\ &= \frac{0.521}{580} = \frac{1}{1113} < \frac{1}{1000} \end{aligned}$$

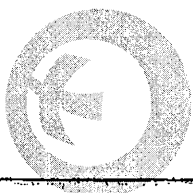
2) 처짐량 합계에 의한 처짐판정 (하단표기)

$$\begin{aligned} \frac{\text{I-BEAM 자중에 의한 처짐} : \delta_s + \text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{800} \\ &= \frac{0.0625 + 0.484}{580} = \frac{1}{994} < \frac{1}{800} \end{aligned}$$

I-BEAM 규격	단면2차 MOMENT I _x	BEAM 자중 (kg/m)	δ _s (cm)	δ _d (cm)	이동하중에 의한 처짐 판정	처짐량 합계에 의한 처짐판정
250×125×t7.5/12.5	5180	38.3	0.023	0.332	1 / 1115	1 / 1042
300×150×t10/18.5	12700	65.6	0.06249	0.521	1 / 1113	1 / 994
350×150×t9/15	15200	58.5	0.05967	0.558	1 / 1129	1 / 1020
400×150×t10/18	24100	72	0.09484	0.721	1 / 1110	1 / 981
450×175×t11/20	39200	91.7	0.14504	0.866	1 / 1155	1 / 990

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다

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I-7. I-BEAM의 최대 지지거리

7-1. 굽힘 MOMENT 계산

1. 수직하중에 의한 굽힘 MOMENT

$$\text{BEAM 자중에 의한 MOMENT : } M_s = \frac{M \times \text{I-BEAM 자중} \times (\text{지지거리})^2}{8} \quad \text{kg-cm}$$

$$M_s = \frac{1.05 \times 58.5 \times 630^2}{8} = 30474 \quad \text{kg-cm}$$

$$\text{이동하중에 의한 MOMENT : } M_d = F \times \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}}{4} \quad \text{kg-cm}$$

$$M_d = 1.254 \times \frac{(2800 + 620) \times 630}{4} = 675467 \quad \text{kg-cm}$$

$$\text{* 호이스트 자중} = 620 \text{ KG} \quad \text{용량} : 2800 \text{ KG}$$

$$\text{* DYNAMIC COEFFICIENT : } F = 1.254$$

$$\text{* STATIC COEFFICIENT : } M = 1.05$$

$$\text{굽힘 MOMENT 합계 : } \Sigma M_v = M_s + M_d = 30474 + 626881 = 705942 \quad \text{kg-cm}$$

2. 풍하중에 의한 굽힘 MOMENT

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

$$M_w = \frac{70.13 \times 630}{2} = 22090.4 \quad \text{kg-cm}$$

$$\begin{aligned} \text{풍하중 : } W &= \text{속도압}(q) \times \text{속도계수}(C) \times \text{압력을 받는 면적}(A) \text{ (kg)} \\ &= 23.66 \times 1.2 \times 2.47 = 70.13 \text{ (kg)} \end{aligned}$$

$$\text{속도압 : } q = 8.5 \times \sqrt[4]{h} \text{ (kg/m}^2\text{)} = 8.5 \times \sqrt[4]{60} = 23.66 \text{ (kg/m}^2\text{)}$$

$$\text{속도계수 : } C = 1.2 \text{ (크레인 제작기준 참조)}$$

$$\begin{aligned} \text{풍압을 받는 면적 } A &= \text{I-BEAM의 면적} + \text{HOIST의 면적 (m}^2\text{)} \\ &= 2.1 + 0.37 = 2.47 \text{ (m}^2\text{)} \end{aligned}$$

$$\text{* 호이스트의 풍압을 받는 면적} \approx 0.8 \text{ m}^2$$

I-BEAM 규격	BEAM 자중 (kg/m)	최대 지지거리 (cm)	M _s (kg-cm)	M _d (kg-cm)	ΣM _v (kg-cm)	W (kg)	M _w (kg-cm)	A (m ²)
250×125×t7.5/12.5	38.3	370	6882	396703	403585	32.93	6092.9	1.16
300×150×t10/18.5	65.6	580	28964	621859	650823	59.91	17373.1	2.11
350×150×t9/15	58.5	630	30474	675467	705942	70.13	22090.4	2.47
400×150×t10/18	72.0	800	60480	157736	163784	90.00	36001.1	3.17
450×175×t11/20	91.7	1000	143740	1072170	1215910	126.91	50764.9	4.47

단, 사용 I-BEAM은 MODEL별 기술사양서의 BEAM 폭을 참조 할 것

7-2. 굽힘 응력 계산

1. 수직하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_v &= \frac{\text{수직 굽힘 MOMENT 합계 : } \sum M_v}{\text{단면 계수 : } Z_x} \quad (\text{kg/cm}^2) \\ &= \frac{705942}{871} = 810.5 \quad (\text{kg/cm}^2) \end{aligned}$$

2. 풍하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_w &= \frac{\text{풍하중에 의한 굽힘 MOMENT : } M_w}{\text{단면 계수 : } Z_y} \quad (\text{kg/cm}^2) \\ &= \frac{22090.4}{95.4} = 231.6 \quad (\text{kg/cm}^2) \end{aligned}$$

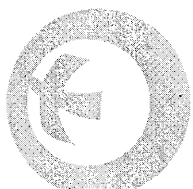
2. 풍하중에 의한 굽힘 응력

$$* \sum \sigma = \sigma_v + \sigma_w \leq 0.8 \times 1449 = 1159 \text{ kg/cm}^2$$

I-BEAM 규격	단 면 계 수 Zx	단 면 계 수 Zy	$\sum M_v$ (kg-cm)	M_w (kg-cm)	σ_v (kg/cm ²)	σ_w (kg/cm ²)	$\sum \sigma$ (kg/cm ²)
250×125×t7.5/12.5	415	56.2	403585	6092.9	972.5	108.4	1080.9
300×150×t10/18.5	849	118	650823	17373.1	766.6	147.2	913.8
⇒ 350×150×t9/15	871	95.4	705942	22090.4	810.5	231.6	1042.1
400×150×t10/18	1220	118	918216	36001.1	752.6	305.1	1057.7
450×175×t11/20	1740	177	1215910	50764.9	698.8	286.8	985.6

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.

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7-3. I-BEAM 처짐(DEFLECTION)

1. I-BEAM 자중에 의한 처짐

$$\begin{aligned} * \delta_s &= \frac{5 \times \text{I-BEAM 자중} \times \text{지지거리}^3}{384 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{5 \times 58.5 \times 630^3}{384 \times 2100000 \times 15200} = 0.05967 \quad (\text{cm}) \end{aligned}$$

2. 이동하중에 의한 처짐 (DEFLECTION)

$$\begin{aligned} * \delta_d &= \frac{(\text{정격하중} + \text{호이스트자중}) \times \text{지지거리}^3}{48 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{(2800 + 620) \times 630^3}{48 \times 2100000 \times 15200} = 0.558 \quad (\text{cm}) \end{aligned}$$

3. 판 정

1) 이동하중에 의한 처짐판정(하단표기)

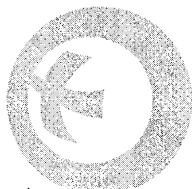
$$\begin{aligned} \frac{\text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{1000} \\ &= \frac{0.558}{630} = \frac{1}{1129} < \frac{1}{1000} \end{aligned}$$

2) 처짐량 합계에 의한 처짐판정 (하단표기)

$$\begin{aligned} \frac{\text{I-BEAM 자중에 의한 처짐} : \delta_s + \text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{800} \\ &= \frac{0.05967 + 0.518}{630} = \frac{1}{1020} < \frac{1}{800} \end{aligned}$$

I-BEAM 규격	단면2차 MOMENT I _x	BEAM 자중 (kg/m)	δ _s (cm)	δ _d (cm)	이동하중에 의한 처짐 판정	처짐량 합계에 의한 처짐판정
250×125×17.5/12.5	5180	38.3	0.023	0.332	1 / 1115	1 / 1042
300×150×110/18.5	12700	65.6	0.06249	0.521	1 / 1113	1 / 994
→ 350×150×19/15	15200	58.5	0.05967	0.558	1 / 1129	1 / 1020
400×150×110/18	24100	72	0.09484	0.721	1 / 1110	1 / 981
450×175×111/20	39200	91.7	0.14504	0.863	1 / 1155	1 / 990

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.



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I-8. I-BEAM의 최대 지지거리

8-1. 굽힘 MOMENT 계산

1. 수직하중에 의한 굽힘 MOMENT

$$\text{BEAM 자중에 의한 MOMENT : } M_s = \frac{M \times \text{I-BEAM 자중} \times (\text{지지거리})^2}{8} \quad \text{kg-cm}$$

$$M_s = \frac{1.05 \times 72 \times 800^2}{8} = 60480 \quad \text{kg-cm}$$

$$\text{이동하중에 의한 MOMENT : } M_d = F \times \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}}{4} \quad \text{kg-cm}$$

$$M_d = 1.254 \times \frac{(2800 + 620) \times 800}{4} = 857736 \quad \text{kg-cm}$$

$$* \text{ 호이스트 자중 } = 620 \text{ KG} \quad \text{용 량 : } 2800 \text{ KG}$$

$$* \text{ DYNAMIC COEFFICIENT : } F = 1.254$$

$$* \text{ STATIC COEFFICIENT : } M = 1.05$$

$$\text{굽힘 MOMENT 합계 : } \sum M_v = M_s + M_d = 60480 + 796039 = 918216 \quad \text{kg-cm}$$

2. 풍하중에 의한 굽힘 MOMENT

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

$$M_w = \frac{90 \times 800}{2} = 36001.1 \quad \text{kg-cm}$$

$$\begin{aligned} \text{풍하중 : } W &= \text{속도압}(q) \times \text{속도계수}(C) \times \text{압력을 받는 면적}(A) \text{ (kg)} \\ &= 23.66 \times 1.2 \times 3.17 = 90.00 \text{ (kg)} \end{aligned}$$

$$\text{속도압 : } q = 8.5 \times \sqrt[4]{h} \text{ (kg/m}^2\text{)} = 8.5 \times \sqrt[4]{60} = 23.66 \text{ (kg/m}^2\text{)}$$

$$\text{속도계수 : } C = 1.2 \text{ (크레인 제작기준 참조)}$$

$$\begin{aligned} \text{풍압을 받는 면적 } A &= \text{I-BEAM의 면적} + \text{HOIST의 면적 (m}^2\text{)} \\ &= 2.8 + 0.37 = 3.17 \text{ (m}^2\text{)} \end{aligned}$$

$$* \text{ 호이스트의 풍압을 받는 면적 } \approx 0.8 \text{ m}^2$$

I-BEAM 규격	BEAM 자중 (kg/m)	최 대 지지거리 (cm)	M _s (kg-cm)	M _d (kg-cm)	ΣM _v (kg-cm)	W (kg)	M _w (kg-cm)	A (m ²)
250×125×t7.5/12.5	38.3	370	6882	396703	403585	32.93	6092.9	1.16
300×150×t10/18.5	65.6	580	28964	621859	650823	59.91	17373.1	2.11
350×150×t9/15	58.5	630	30474	675467	705942	70.13	22090.4	2.47
400×150×t10/16	72.0	800	60480	857736	918216	90.00	36001.1	3.17
450×175×t11/20	91.7	1000	143740	1072170	1215910	126.91	50764.9	4.47

단, 사용 I-BEAM은 MODEL별 기술사양서의 BEAM 쪽을 참조 할 것

8-2. 굽힘 응력 계산

1. 수직하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_v &= \frac{\text{수직 굽힘 MOMENT 합계 : } \sum M_v}{\text{단면 계수 : } Z_x} \quad (\text{kg/cm}^2) \\ &= \frac{918216}{1220} = 752.6 \quad (\text{kg/cm}^2) \end{aligned}$$

2. 풍하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_w &= \frac{\text{풍하중에 의한 굽힘 MOMENT : } M_w}{\text{단면 계수 : } Z_y} \quad (\text{kg/cm}^2) \\ &= \frac{36001.1}{118} = 305.1 \quad (\text{kg/cm}^2) \end{aligned}$$

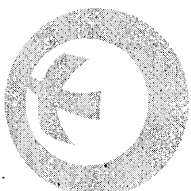
2. 풍하중에 의한 굽힘 응력

$$* \sum \sigma = \sigma_v + \sigma_w \leq 0.8 \times 1449 = 1159 \text{ kg/cm}^2$$

I-BEAM 규격	단면 계수 Zx	단면 계수 Zy	$\sum M_v$ (kg-cm)	Mw (kg-cm)	σ_v (kg/cm ²)	σ_w (kg/cm ²)	$\sum \sigma$ (kg/cm ²)
250×125×t7.5/12.5	415	56.2	403585	6092.9	972.5	108.4	1080.9
300×150×t10/18.5	849	118	650823	17373.1	766.6	147.2	913.8
350×150×t9/15	871	95.4	705942	22090.4	810.5	231.6	1042.1
⇒ 400×150×t10/18	1220	118	918216	36001.1	752.6	305.1	1057.7
450×175×t11/20	1740	177	1215910	50764.9	698.8	286.8	985.6

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.

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8-3. I-BEAM 처짐(DEFLECTION)

1. I-BEAM 자중에 의한 처짐

$$\begin{aligned} * \delta_s &= \frac{5 \times \text{I-BEAM 자중} \times \text{지지거리}^3}{384 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{5 \times 72 \times 800^3}{384 \times 2100000 \times 24100} = 0.09484 \quad (\text{cm}) \end{aligned}$$

2. 이동하중에 의한 처짐 (DEFLECTION)

$$\begin{aligned} * \delta_d &= \frac{(\text{정격하중} + \text{호이스트자중}) \times \text{지지거리}^3}{48 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{(2800 + 620) \times 800^3}{48 \times 2100000 \times 24100} = 0.721 \quad (\text{cm}) \end{aligned}$$

3. 판 정

1) 이동하중에 의한 처짐판정(하단표기)

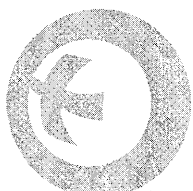
$$\begin{aligned} \frac{\text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{1000} \\ &= \frac{0.721}{800} = \frac{1}{1110} < \frac{1}{1000} \end{aligned}$$

2) 처짐량 합계에 의한 처짐판정 (하단표기)

$$\begin{aligned} \frac{\text{I-BEAM 자중에 의한 처짐} : \delta_s + \text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} &< \frac{1}{800} \\ &= \frac{0.09484 + 0.669}{800} = \frac{1}{981} < \frac{1}{800} \end{aligned}$$

I-BEAM 규격	단면2차 MOMENT I _x	BEAM 자중 (kg/m)	δ _s (cm)	δ _d (cm)	이동하중에 의한 처짐 판정	처짐량 합계에 의한 처짐판정
250×125×t7.5/12.5	5180	38.3	0.023	0.332	1 / 1115	1 / 1042
300×150×t10/18.5	12700	65.6	0.06249	0.521	1 / 1113	1 / 994
350×150×t9/15	15200	58.5	0.05967	0.558	1 / 1129	1 / 1020
→ 400×150×t10/18	24100	72	0.09484	0.721	1 / 1110	1 / 981
450×175×t11/20	39200	91.7	0.14504	0.866	1 / 1155	1 / 990

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.



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I-9. I-BEAM의 최대 지지거리

9-1. 굽힘 MOMENT 계산

1. 수직하중에 의한 굽힘 MOMENT

$$\text{BEAM 자중에 의한 MOMENT : } M_s = \frac{M \times \text{I-BEAM 자중} \times (\text{지지거리})^2}{8} \quad \text{kg-cm}$$

$$M_s = \frac{1.05 \times 91.7 \times 1000^2}{8} = 143740 \quad \text{kg-cm}$$

$$\text{이동하중에 의한 MOMENT : } M_d = F \times \frac{(\text{정격하중} + \text{호이스트 자중}) \times \text{지지거리}}{4} \quad \text{kg-cm}$$

$$M_d = 1.254 \times \frac{(2800 + 620) \times 1000}{4} = 1072170 \quad \text{kg-cm}$$

$$\text{* 호이스트 자중} = 620 \text{ KG} \quad \text{용량} : 2800 \text{ KG}$$

$$\text{* DYNAMIC COEFFICIENT : } F = 1.254$$

$$\text{* STATIC COEFFICIENT : } M = 1.05$$

$$\text{굽힘 MOMENT 합계 : } \Sigma M_v = M_s + M_d = 143740 + 995049 = 1215910 \quad \text{kg-cm}$$

2. 풍하중에 의한 굽힘 MOMENT

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

$$M_w = \frac{126.91 \times 800}{2} = 50764.9 \quad \text{kg-cm}$$

$$\begin{aligned} \text{풍하중 : } W &= \text{속도압}(q) \times \text{속도계수}(C) \times \text{압력을 받는 면적}(A) \text{ (kg)} \\ &= 23.66 \times 1.2 \times 4.47 = 126.91 \text{ (kg)} \end{aligned}$$

$$\text{속도압 : } q = 8.5 \times \sqrt[4]{h} \text{ (kg/m}^2\text{)} = 8.5 \times \sqrt[4]{60} = 23.66 \text{ (kg/m}^2\text{)}$$

$$\text{속도계수 : } C = 1.2 \text{ (크레인 제작기준 참조)}$$

$$\begin{aligned} \text{풍압을 받는 면적 } A &= \text{I-BEAM의 면적} + \text{HOIST의 면적 (m}^2\text{)} \\ &= 4.1 + 0.37 = 4.47 \text{ (m}^2\text{)} \end{aligned}$$

$$\text{* 호이스트의 풍압을 받는 면적} \approx 0.8 \text{ m}^2$$

I-BEAM 규격	BEAM 자중 (kg/m)	최대 지지거리 (cm)	M _s (kg-cm)	M _d (kg-cm)	ΣM _v (kg-cm)	W (kg)	M _w (kg-cm)	A (m ²)
250×125×t7.5/12.5	38.3	370	6882	396703	403585	32.93	6092.9	1.16
300×150×t10/18.5	65.6	580	28964	621859	650823	59.91	17373.1	2.11
350×150×t9/15	58.5	630	30474	675467	705942	70.13	22090.4	2.47
400×150×t10/16	72.0	800	60480	857738	918216	90.00	36000.1	3.17
450×175×t11/20	91.7	1000	143740	1072170	1215910	126.91	50764.9	4.47

단, 사용 I-BEAM은 MODEL별 기술사항서의 BEAM 폭을 참조 할 것

9-2. 굽힘 응력 계산

1. 수직하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_v &= \frac{\text{수직 굽힘 MOMENT 합계 : } \Sigma M_v}{\text{단면 계수 : } Z_x} \quad (\text{kg/cm}^2) \\ &= \frac{1215910}{1740} = 698.8 \quad (\text{kg/cm}^2) \end{aligned}$$

2. 풍하중에 의한 굽힘 응력

$$\begin{aligned} * \sigma_w &= \frac{\text{풍하중에 의한 굽힘 MOMENT : } M_w}{\text{단면 계수 : } Z_y} \quad (\text{kg/cm}^2) \\ &= \frac{50764.9}{177} = 286.8 \quad (\text{kg/cm}^2) \end{aligned}$$

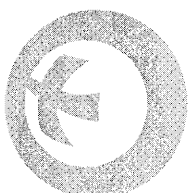
2. 풍하중에 의한 굽힘 응력

$$* \Sigma \sigma = \sigma_v + \sigma_w \leq 0.8 \times 1449 = 1159 \text{ kg/cm}^2$$

I-BEAM 규격	단면 계수 Zx	단면 계수 Zy	ΣM_v (kg-cm)	Mw (kg-cm)	σ_v (kg/cm ²)	σ_w (kg/cm ²)	$\Sigma \sigma$ (kg/cm ²)
250×125×t7.5/12.5	415	56.2	403585	6092.9	972.5	108.4	1080.9
300×150×t10/18.5	849	118	650823	17373.1	766.6	147.2	913.8
350×150×t9/15	871	95.4	705942	22090.4	810.5	231.6	1042.1
400×150×t10/18	1220	118	918216	36001.1	752.6	305.1	1057.7
⇒ 450×175×t11/20	1740	177	1215910	50764.9	698.8	286.8	985.6

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.

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9-3. I-BEAM 처짐(DEFLECTION)

1. I-BEAM 자중에 의한 처짐

$$\begin{aligned} * \delta_s &= \frac{5 \times \text{I-BEAM 자중} \times \text{지지거리}^3}{384 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{5 \times 91.7 \times 1000^3}{384 \times 2100000 \times 39200} = 0.14504 \quad (\text{cm}) \end{aligned}$$

2. 이동하중에 의한 처짐 (DEFLECTION)

$$\begin{aligned} * \delta_d &= \frac{(\text{정격하중} + \text{호이스트자중}) \times \text{지지거리}^3}{48 \times 2100000 \times I_x} \quad (\text{cm}) \\ &= \frac{(2800 + 620) \times 1000^3}{48 \times 2100000 \times 39200} = 0.866 \quad (\text{cm}) \end{aligned}$$

3. 판 정

1) 이동하중에 의한 처짐판정(하단표기)

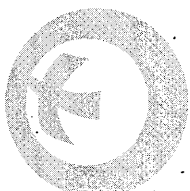
$$\begin{aligned} &\frac{\text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} < \frac{1}{1000} \\ &= \frac{0.866}{1000} = \frac{1}{1155} < \frac{1}{1000} \end{aligned}$$

2) 처짐량 합계에 의한 처짐판정 (하단표기)

$$\begin{aligned} &\frac{\text{I-BEAM 자중에 의한 처짐} : \delta_s + \text{이동하중에 의한 처짐} : \delta_d}{\text{지지거리}} < \frac{1}{800} \\ &= \frac{0.14504 + 0.803}{1000} = \frac{1}{990} < \frac{1}{800} \end{aligned}$$

I-BEAM 규격	단면2차 MOMENT I _x	BEAM 자중 (kg/m)	δ _s (cm)	δ _d (cm)	이동하중에 의한 처짐 판정	처짐량 합계에 의한 처짐판정
250×125×t7.5/12.5	5180	38.3	0.023	0.332	1 / 1115	1 / 1042
300×150×t10/18.5	12700	65.6	0.06249	0.521	1 / 1113	1 / 994
350×150×t9/15	15200	58.5	0.05967	0.558	1 / 1129	1 / 1020
400×150×t10/18	24100	72	0.09484	0.721	1 / 1110	1 / 981
⇒ 450×175×t11/20	33200	91.7	0.14504	0.866	1 / 1155	1 / 990

단, I-BEAM의 사용은 MODEL 별 기술사양서에 따른다.



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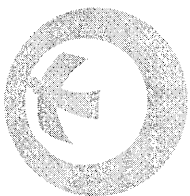
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IV. 참 고 도 서

- 1 LOAD LIMITER 권고 SETTING 치
- 2 E.O.C.R 권고 SETTING치
- 3 MOTOR DATA SHEET
- 4 사용방법 설명서 (HOIST, OLP)
- 5 PUSH BUTTON 카다록 및 IP 성적서
- 6 WIRE ROPE 성적서
- 7 SUB VENDOR LIST
- 8 INVERTER 취급설명서



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LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

극동하이스트(주)

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	8.0 A	9.0 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	7.6 A	8.4 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	10 A	11.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	12.0 A	13.2 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	16.0 A	17.6 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	17.7 A	19.5 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	22.8 A	25.0 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	23.0 A	25.3 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	28.2 A	31.0 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	34.4 A	38.4 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.4 A	4.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.6 A	5.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	5.4 A	4.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.6 A	6.4 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	6.4 A	7.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	7.0 A	7.7 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	10.3 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	10.3 A	11.4 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	13.3 A	14.6 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	19.9 A	23.1 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.3 A	18.0 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

극동하이스트㈜

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.5 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	4.0 A	4.6 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.8 A	4.5 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	5.9 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.8 A	6.4 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	8.9 A	9.8 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	11.6 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.5 A	12.7 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	15.5 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결 단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.8 A	4.4 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.6 A	4.1 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.3 A	5.9 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.5 A	6.1 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
2.8 T	2.5KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	16.5 A	20.5 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	11.0 A	12.2 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-1	K, L	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ	SHOCK TIME	100%	110%				
0.5 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
1 TON	1.2KW x 8P	110%	1 SEC	1 SEC	3.6 A	4.2 A	CT-1	K, L	5 V.A	
	1.5KW x 6P	110%	1 SEC	1 SEC	3.5 A	3.9 A	CT-1	K, L	5 V.A	
	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.1 A	CT-1	K, L	5 V.A	
2 TON	1.8KW x 8P	110%	1 SEC	1 SEC	5.1 A	5.8 A	CT-1	K, L	5 V.A	
	2.5KW x 6P	110%	1 SEC	1 SEC	5.3 A	6.0 A	CT-1	K, L	5 V.A	
	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
2.8 TON	2.5KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
	2.8KW x 8P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-1	K, L	5 V.A	
3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	
7.5 TON	8.5KW x 4P	110%	1 SEC	1 SEC	15.8 A	19.9 A	CT-1	K, L	5 V.A	
	4.2KW x 8P	110%	1 SEC	1 SEC	10.5 A	12.0 A	CT-1	K, L	5 V.A	
	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-1	K, L	5 V.A	

NOTE

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

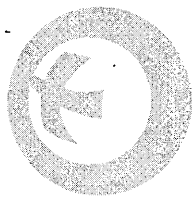
E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	7.6 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
1 TON	1.2KW x 8P	8.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.0 A	
	1.5KW x 6P	7.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	7.6 A	
	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
2 TON	1.8KW x 8P	11.0 A	1 DRIVE	SS-30	3 SEC	1 SEC	11.0 A	
	2.5KW x 6P	12.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.0 A	
	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
2.8 TON	2.5KW x 8P	17.7 A	1 DRIVE	SS-30	3 SEC	1 SEC	17.7 A	
	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	2.8KW x 8P	17.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	17.7 A	
3 TON	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
5 TON	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
7.5 TON	8.5KW x 4P	34.4 A	1 DRAVE	SS-30	3 SEC	1 SEC	34.4 A	
	4.2KW x 8P	23.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	23.0 A	
	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	

NOTE

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



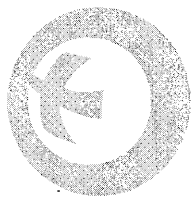
E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Ø 380V 60Hz

HOIST	MOTOR 용량	정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	1.5KW x 6P	5.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.4 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
1 TON	1.2KW x 8P	4.6 A	1 DRIVE	SS-30	3 SEC	1 SEC	4.6 A	
	1.5KW x 6P	5.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.4 A	
	2.4KW x 4P	5.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.6 A	
2 TON	1.8KW x 8P	6.4 A	1 DRIVE	SS-30	3 SEC	1 SEC	6.4 A	
	2.5KW x 6P	7.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.0 A	
	3.7KW x 4P	9.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.3 A	
2.8 TON	2.5KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
	5.0KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	2.8KW x 8P	10.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.3 A	
3 TON	5.5KW x 4P	12.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.2 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
5 TON	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	
7.5 TON	8.5KW x 4P	19.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	19.9 A	
	4.2KW x 8P	13.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.3 A	
	5.5KW x 6P	16.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.3 A	

NOTE

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



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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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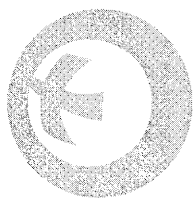
E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3 Ø 440V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-06	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
1 TON	1.2KW x 8P	4.0 A	1 DRIVE	SS-06	3 SEC	1 SEC	4.0 A	
	1.5KW x 6P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
2 TON	1.8KW x 8P	5.5 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.5 A	
	2.5KW x 6P	5.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
2.8 TON	2.5KW x 8P	8.9 A	1 DRIVE	SS-30	3 SEC	1 SEC	8.9 A	
	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	2.8KW x 8P	8.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.9 A	
3 TON	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	4.2KW x 8P	11.5 A	1 DRIVE	SS-30	3 SEC	1 SEC	11.5 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
5 TON	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
	4.2KW x 8P	11.5 A	1 DRIVE	SS-30	3 SEC	1 SEC	11.5 A	
	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
7.5 TON	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	

NOTE

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



한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

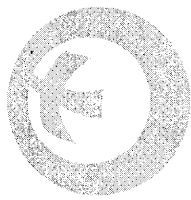
E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	3.8 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.8 A	
	1.5KW x 6P	3.6 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.6 A	
	2.4KW x 4P	4.8 A	1 DRAVE	SS-06	3 SEC	1 SEC	4.8 A	
1 TON	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	2.5KW x 6P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
2 TON	1.8KW x 8P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	2.5KW x 6P	5.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.8 A	
	3.7KW x 4P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
2.8 TON	2.5KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
	5.0KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	2.8KW x 8P	7.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.7 A	
3 TON	5.5KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
5 TON	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	
	4.2KW x 8P	11.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	11.0 A	
	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
7.5 TON	8.5KW x 4P	16.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.5 A	

NOTE

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



한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

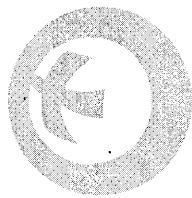
E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 480V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
0.5 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.6 A	
	1.5KW x 6P	3.5 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.5 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-06	3 SEC	1 SEC	4.6 A	
1 TON	1.2KW x 8P	3.6 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.6 A	
	1.5KW x 6P	3.5 A	1 DRIVE	SS-06	3 SEC	1 SEC	3.5 A	
	2.4KW x 4P	4.6 A	1 DRAVE	SS-06	3 SEC	1 SEC	4.6 A	
2 TON	1.8KW x 8P	5.1 A	1 DRIVE	SS-30	3 SEC	1 SEC	5.1 A	
	2.5KW x 6P	5.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.3 A	
	3.7KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
2.8 TON	2.5KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
	5.0KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	2.8KW x 8P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
3 TON	5.5KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
5 TON	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.8 A	
	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
7.5 TON	8.5KW x 4P	15.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	15.8 A	
	4.2KW x 8P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	

NOTE

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



한국산업안전보건공단

KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 220V 60Hz

극동호이스트(주)

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

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	5.8 A	6.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.6 A	2.1 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	9.3 A	11.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.6 A	2.1 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	4.2 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	12.2 A	13.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	4.2 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	16.3 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.9 A	5.3 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	16.3 A	17.8 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.9 A	5.3 A	CT-1	K-K1, L-L1	5 V.A	
C10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	26.0 A	28.6 A	CT-2	K-K1, L-L1	5 V.A	
	1.1KW x 8P	110%	1 SEC	1 SEC	4.6 A	6.1 A	CT-2	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD: CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	5.0 A	7.3 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.4 A	1.8 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	8.0 A	10.8 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.4 A	1.8 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	10.5 A	13.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.7 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.5 A	13.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.7 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	18.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	14.1 A	18.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.3 A	4.7 A	CT-1	K-K1, L-L1	5 V.A	
C10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	22.5 A	24.8 A	CT-2	K-K1, L-L1	5 V.A	
	1.1KW x 8P	110%	1 SEC	1 SEC	4.0 A	5.4 A	CT-1	K-K1, L-L1	5 V.A	

NOTE

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

LOAD LIMITER 권고 SETTING치

* POWER SOURCE : AC 3Φ 460V 60HZ

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	4.8 A	5.2 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.3 A	1.5 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	7.7 A	8.5 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.3 A	1.5 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.5 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	10.0 A	11.5 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.5 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	13.5 A	14.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.2 A	3.6 A	CT-1	K-K1, L-L1	5 V.A	
C10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	21.5 A	23.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.1KW x 8P	110%	1 SEC	1 SEC	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

HOIST	MOTOR 용량	LOAD LIMITER 권고 SETTING치			LOAD CURRENT		C.T MODEL	연결단자 NO	C.T 용량	REMARK
		LOAD CURRENT	ADJ START TIME	SHOCK TIME	100%	110%				
C1 TON	2.4KW x 4P	110%	1 SEC	1 SEC	4.6 A	5.0 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.2 A	1.35 A	CT-1	K-K1, L-L1	5 V.A	
C2 TON	3.7KW x 4P	110%	1 SEC	1 SEC	7.3 A	8.2 A	CT-2	K-K1, L-L1	5 V.A	
	0.4KW x 4P	110%	1 SEC	1 SEC	1.2 A	1.35 A	CT-1	K-K1, L-L1	5 V.A	
C2.8 TON	5.0KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.4 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C3 TON	5.5KW x 4P	110%	1 SEC	1 SEC	9.6 A	11.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.5KW x 4P	110%	1 SEC	1 SEC	3.4 A	4.3 A	CT-1	K-K1, L-L1	5 V.A	
C5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.1 A	3.5 A	CT-1	K-K1, L-L1	5 V.A	
C7.5 TON	5.5KW x 6P	110%	1 SEC	1 SEC	12.9 A	14.2 A	CT-2	K-K1, L-L1	5 V.A	
	1.0KW x 6P	110%	1 SEC	1 SEC	3.1 A	3.5 A	CT-1	K-K1, L-L1	5 V.A	
C10 TON	9.0KW x 8P	110%	1 SEC	1 SEC	20.6 A	22.7 A	CT-2	K-K1, L-L1	5 V.A	
	1.1KW x 8P	110%	1 SEC	1 SEC	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

* POWER SOURCE : AC 3 ̸ 220V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	0.4KW x 4P	2.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	2.7 A	
C2 TON	3.7KW x 4P	16.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	16.0 A	
	0.4KW x 4P	2.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	2.7 A	
C2.8 TON	5.0KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	1.5KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C3 TON	5.5KW x 4P	22.8 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.8 A	
	1.5KW x 4P	7.3 A	1 DRAVE	SS-30	3 SEC	1 SEC	7.3 A	
C5 TON	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	1.0KW x 6P	6.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.7 A	
C7.5 TON	5.5KW x 6P	28.2 A	1 DRAVE	SS-30	3 SEC	1 SEC	28.2 A	
	1.0KW x 6P	6.7 A	1 DRAVE	SS-30	3 SEC	1 SEC	6.7 A	
C10 TON	9.0KW x 8P	45.0 A	1 DRAVE	SS-60	3 SEC	1 SEC	45.0 A	
	1.1KW x 8P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 380V 60Hz

극동호이스트(주)

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

NOTE

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

E.O.C.R 권고 SETTING치

* POWER SOURCE : AC 3Φ 440V 60Hz

HOIST	MOTOR 용량	MOTOR 정격 전류	DRIVE TYPE	E.O.C.R TYPE	권고 SETTING 치			REMARK
					DELAY TIME	OPERATION TIME	CURRENT	
C1 TON	2.4KW x 4P	5.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	5.0 A	
	0.4KW x 4P	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2 TON	3.7KW x 4P	8.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	8.0 A	
	0.4KW x 4P	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2.8 TON	5.0KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	1.5KW x 4P	3.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.7 A	
C3 TON	5.5KW x 4P	10.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.5 A	
	1.5KW x 4P	3.7 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.7 A	
C5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	1.0KW x 6P	3.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.3 A	
C7.5 TON	5.5KW x 6P	14.1 A	1 DRAVE	SS-30	3 SEC	1 SEC	14.1 A	
	1.0KW x 6P	3.3 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.3 A	
C10 TON	9.0KW x 8P	22.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	22.5 A	
	1.1KW x 8P	4.0 A	1 DRAVE	SS-05	3 SEC	1 SEC	4.0 A	

NOTE

1. 상기 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	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2.8 TON	5.0KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	1.5KW x 4P	3.5 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.5 A	
C3 TON	5.5KW x 4P	10.0 A	1 DRAVE	SS-30	3 SEC	1 SEC	10.0 A	
	1.5KW x 4P	3.5 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.5 A	
C5 TON	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
	1.0KW x 6P	3.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.2 A	
C7.5 TON	5.5KW x 6P	13.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	13.5 A	
	1.0KW x 6P	3.2 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.2 A	
C10 TON	9.0KW x 8P	21.5 A	1 DRAVE	SS-30	3 SEC	1 SEC	21.5 A	
	1.1KW x 8P	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

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	1.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	1.4 A	
C2.8 TON	5.0KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	1.5KW x 4P	3.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.4 A	
C3 TON	5.5KW x 4P	9.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	9.6 A	
	1.5KW x 4P	3.4 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.4 A	
C5 TON	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	1.0KW x 6P	3.1 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.1 A	
C7.5 TON	5.5KW x 6P	12.9 A	1 DRAVE	SS-30	3 SEC	1 SEC	12.9 A	
	1.0KW x 6P	3.1 A	1 DRAVE	SS-05	3 SEC	1 SEC	3.1 A	
C10 TON	9.0KW x 8P	20.6 A	1 DRAVE	SS-30	3 SEC	1 SEC	20.6 A	
	1.1KW x 8P	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 S
4. RATED POWER	5.0 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIREL 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	1750 RPM
11. FULL LOAD CURRENT	28.8 A
12. LOCKED ROTOR CURRENT	136.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	81.5 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	831 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	5.0 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1750 RPM
11. FULL LOAD CURRENT	12.2 A
12. LOCKER ROTOR CURRENT	72.9 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	81.5 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	5.0 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 °C
10. FULL LOAD SPEED	1750 RPM
11. FULL LOAD CURRENT	10.5 A
12. LOCKER ROTOR CURRENT	63.0 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	81.5 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	5.0 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	1750 RPM
11. FULL LOAD CURRENT	10.0 A
12. LOCKER ROTOR CURRENT	60.0 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	81.5 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	5.0 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	1750 RPM
11. FULL LOAD CURRENT	9.6 A
12. LOCKER ROTOR CURRENT	57.5 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	81.5 %
15. POWER FACTOR AT 100% RATED LOAD	77 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	2.5 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	17.7 A
12. LOCKED ROTOR CURRENT	92.9 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	2.5 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	10.3 A
12. LOCKED ROTOR CURRENT	53.9 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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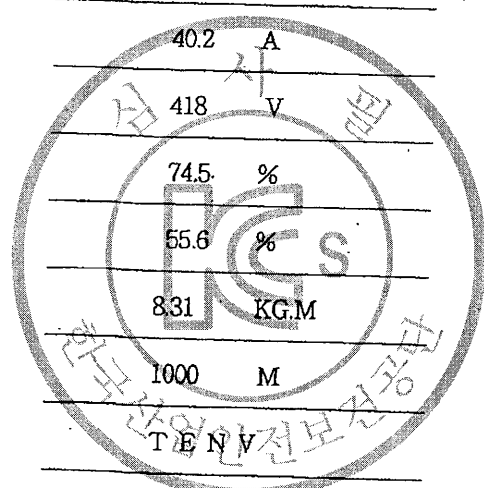
SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	2.5 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	8.9 A
12. LOCKED ROTOR CURRENT	46.6 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	2.5 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	7.7 A
12. LOCKED ROTOR CURRENT	40.2 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	PL : 6206zz OPL : 6206zz
19. TYPE OF BEARING	HORIZONTAL
20. MOUNTING	40 °C
21. MAXIMUM AMBIENT TEMPURE	GREASE
22. BEARING LUBRICATION	FULL VOLTAGE
23. STARTING METHOD	



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SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	132 S
4. RATED POWER	2.5 KW x 8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	860 RPM
11. FULL LOAD CURRENT	7.3 A
12. LOCKED ROTOR CURRENT	38.5 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	74.5 %
15. POWER FACTOR AT 100% RATED LOAD	55.6 %
16. FULL LOAD TORQUE	8.31 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6206zz OPL : 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPIRE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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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	73.5 %
16. FULL LOAD TORQUE	1.02 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

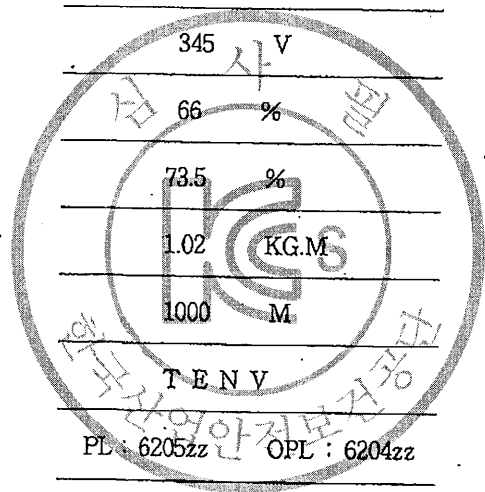
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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 ℃
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	73.5 %
16. FULL LOAD TORQUE	1.02 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUEPRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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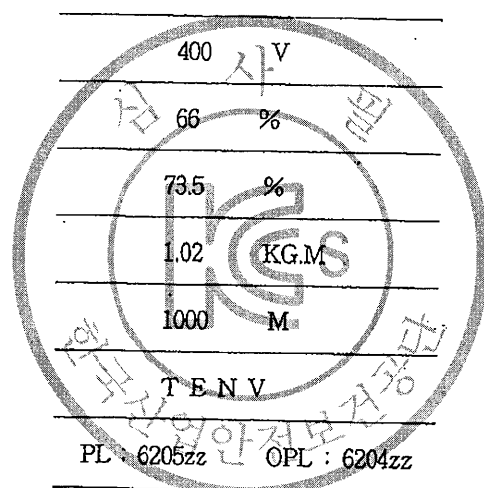
한국산업안전보건공단
KOSHA KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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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	73.5 %
16. FULL LOAD TORQUE	1.02 K.G.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

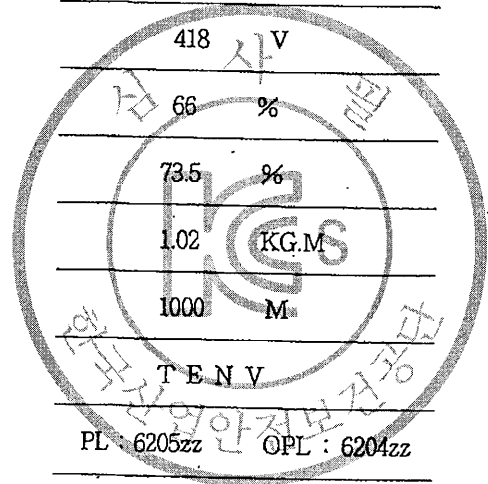


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	국동호이스트 (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	73.5 %
16. FULL LOAD TORQUE	1.02 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 O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



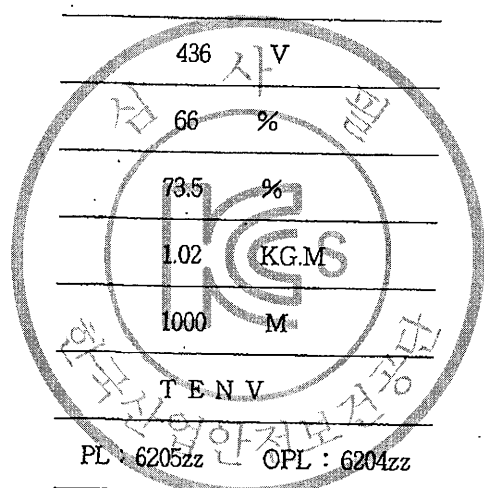
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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 ℃
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	1.02 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

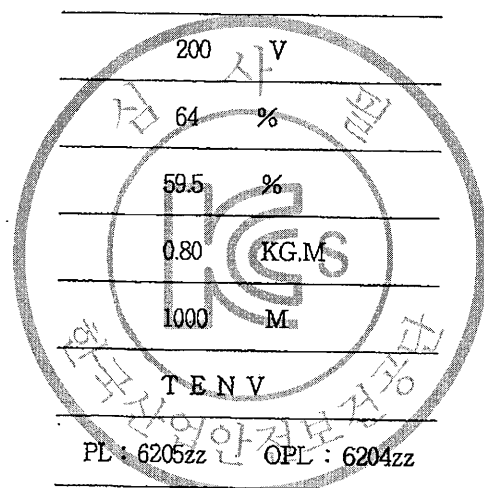


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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 ℃
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	59.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

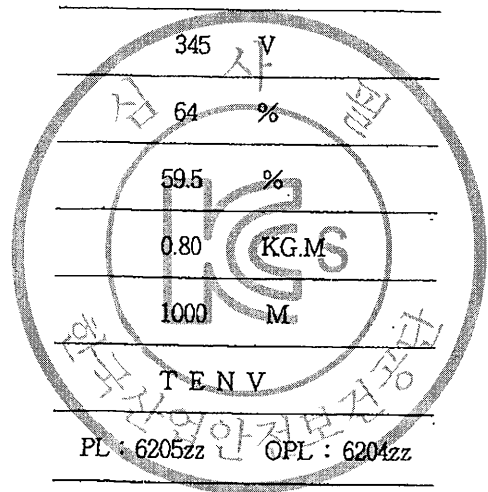


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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 ℃
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	59.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

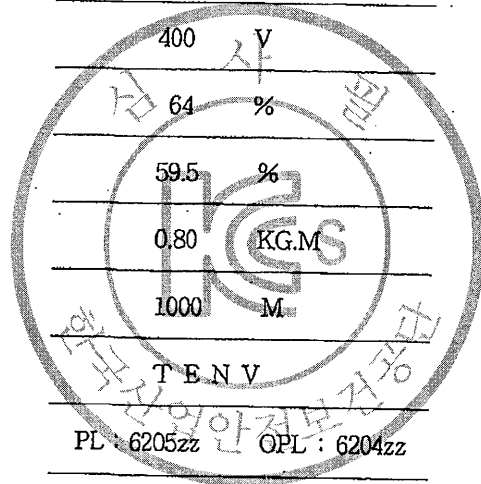


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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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 ℃
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	59.5 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



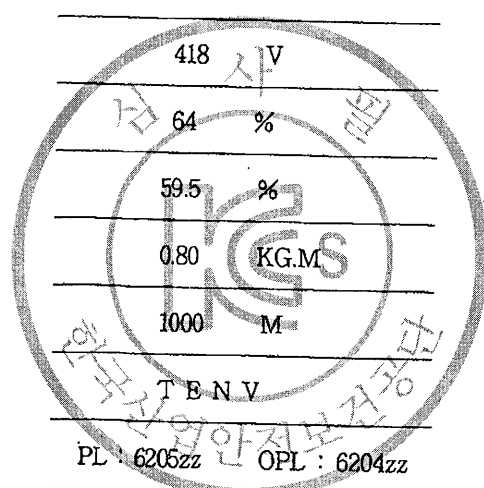
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 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	59.5 %
16. FULL LOAD TORQUE	0.80 KG.MS
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

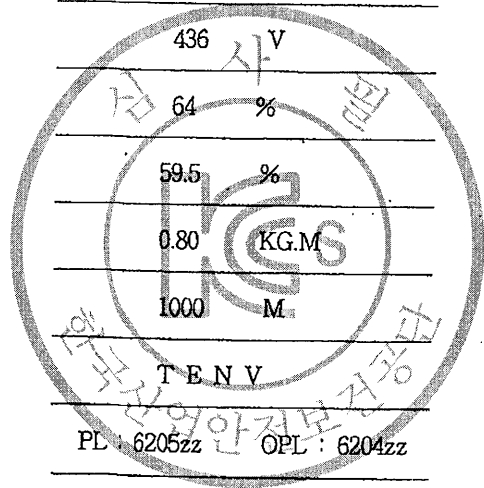


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SCHEDULE OF TECHNICAL DATA

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	59.5 %
16. FULL LOAD TORQUE	0.80 K.G.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	4.8/4.25 A
12. LOCKED ROTOR CURRENT	14.2/13.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 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	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

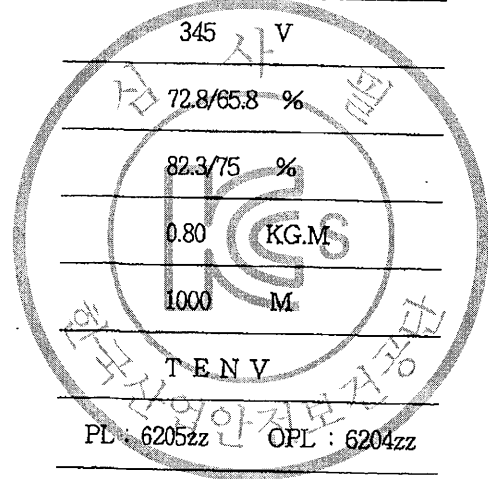
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.78/2.63 A
12. LOCKED ROTOR CURRENT	9.2/6.3 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUERICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.4/2.27 A
12. LOCKED ROTOR CURRENT	8.6/6.21 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.17 A
12. LOCKED ROTOR CURRENT	8.5/6.18 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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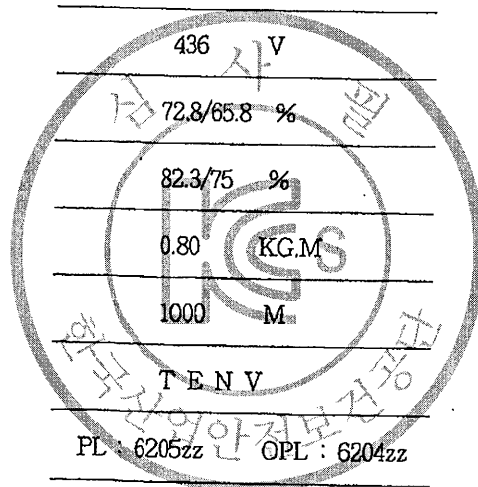
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.1 A
12. LOCKED ROTOR CURRENT	8.4/6.15 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 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	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



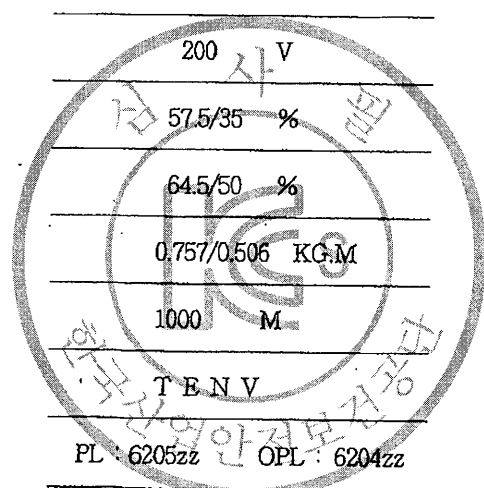
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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.2/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	12.8/10.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG-M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.85/2.08 A
12. STARTING CURRENT AT RATED VOLTAGE	7.41/6.25 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	F U L L V O L T A G E

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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.6/1.8 A
12. STARTING CURRENT AT RATED VOLTAGE	6.4/5.4 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	H O R I Z O N T A L
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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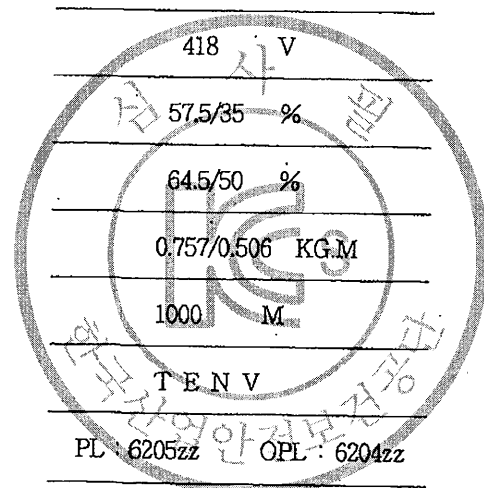
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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.5/1.72 A
12. STARTING CURRENT AT RATED VOLTAGE	6.2/5.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	극동호이스트 (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.4/1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	5.82/4.93 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTNG HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132S
4. RATED POWER	5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	22.8 A
11. LOCKED MOTOR CURRENT	136.6 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	81.5 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.6 %
16. FULL LOAD TORQUE	8.31 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	70 Kg
24. SERIAL NO	

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SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132S
4. RATED POWER	5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	12.2 A
11. LOCKED MOTOR CURRENT	72.9 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	81.5 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.6 %
16. FULL LOAD TORQUE	8.31 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOU)	70 Kg
24. SERIAL NO	

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132S
4. RATED POWER	5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	10.5 A
11. LOCKED MOTOR CURRENT	63.0 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	81.5 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.6 %
16. FULL LOAD TORQUE	8.31 Kg.m
17. SITE ALTTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTCK NET WEIGHT (ABOUT)	70 kg
24. SERIAL NO	

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132S
4. RATED POWER	5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR , OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C.
10. FULL LOAD CURRENT	10.0 A
11. LOCKED MOTOR CURRENT	60.0 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	81.5 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.6 %
16. FULL LOAD TORQUE	8.31 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	70 Kg
24. SERIAL NO	

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	132S
4. RATED POWER	5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	9.6 A
11. LOCKED MOTOR CURRENT	57.5 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	81.5 %
14. POWER FACTOR AT 100% RATED LOAD	77 %
15. SLIP (FULL LOAD)	5.6 %
16. FULL LOAD TORQUE	8.31 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6206zz OPL 6206zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	70 Kg
24. SERIAL NO	

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	7.3 A
11. LOCKED MOTOR CURRENT	41.8 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	73 %
14. POWER FACTOR AT 100% RATED LOAD	75 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	1.95 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEICHT (ABOUT	29 Kg
24. SERIAL NO	

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

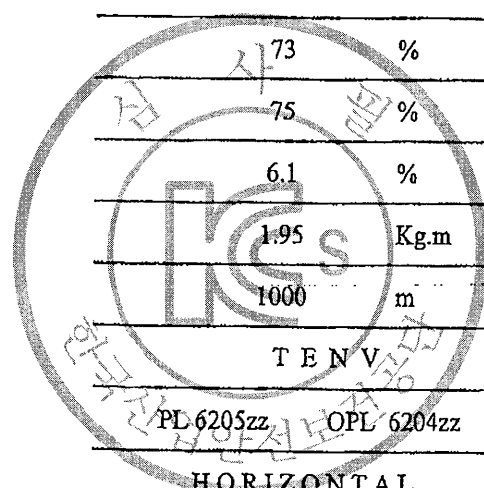
1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR , OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	4.2 A
11. LOCKED MOTOR CURRENT	24.2 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	73 %
14. POWER FACTOR AT 100% RATED LOAD	75 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	1.95 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	22 Kg
24. SERIAL NO	

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 deg C
10. FULL LOAD CURRENT	3.7 A
11. LOCKED MOTOR CURRENT	20.9 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	73 %
14. POWER FACTOR AT 100% RATED LOAD	75 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	1.95 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	22 Kg
24. SERIAL NO	



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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	3.5 A
11. LOCKED MOTOR CURRENT	20.0 A
12. MINIMUM STARTING VOLTAGE	418 V
13. EFFICIENCY AT 100% RATED LOAD	73 %
14. POWER FACTOR AT 100% RATED LOAD	75 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	1.95 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	HOISTING HIGH
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90L
4. RATED POWER	1.5 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR , OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	3.4 A
11. LOCKED MOTOR CURRENT	19.2 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	73 %
14. POWER FACTOR AT 100% RATED LOAD	75 %
15. SLIP (FULL LOAD)	6.1 %
16. FULL LOAD TORQUE	1.95 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	29 Kg
24. SERIAL NO	

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	4.1 A
11. LOCKED MOTOR CURRENT	22.1 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21.35 Kg
24. SERIAL NO	

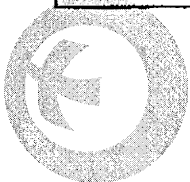
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.4 A
11. LOCKED MOTOR CURRENT	12.8 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	12.35 Kg
24. SERIAL NO	

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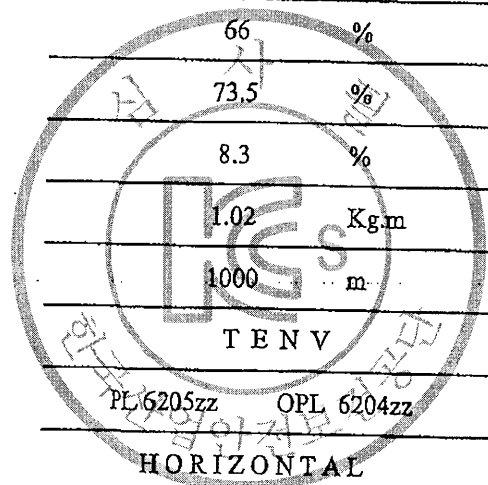
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

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



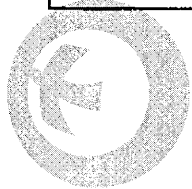
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

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

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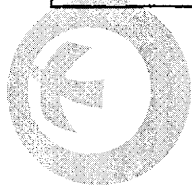
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.75 KW x 4 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR , OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.9 A
11. LOCKED MOTOR CURRENT	10.2 A
12. MINIMUM STARTING VOLTAGE	436 V
13. EFFICIENCY AT 100% RATED LOAD	66 %
14. POWER FACTOR AT 100% RATED LOAD	73.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	1.02 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21.35 Kg
24. SERIAL NO	

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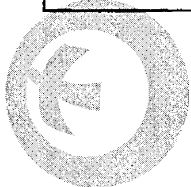
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg C
10. FULL LOAD CURRENT	3.4 A
11. LOCKED MOTOR CURRENT	16.4 A
12. MINIMUM STARTING VOLTAGE	200 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21.35 Kg
24. SERIAL NO	

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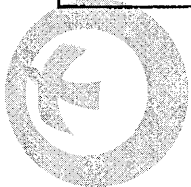
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	2.0 A
11. LOCKED MOTOR CURRENT	9.5 A
12. MINIMUM STARTING VOLTAGE	345 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21.35 Kg
24. SERIAL NO	

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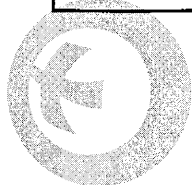
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90S
4. RATED POWER	0.5 KW x 6 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR ,OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 deg °C
10. FULL LOAD CURRENT	1.7 A
11. LOCKED MOTOR CURRENT	8.2 A
12. MINIMUM STARTING VOLTAGE	400 V
13. EFFICIENCY AT 100% RATED LOAD	64 %
14. POWER FACTOR AT 100% RATED LOAD	59.5 %
15. SLIP (FULL LOAD)	8.3 %
16. FULL LOAD TORQUE	0.80 Kg.m
17. SITE ALTITUDE(UNDER)	1000 m
18. ENCLOSURE & COOLING METHOD	T E N V
19. TYPE OF BEARING	PL 6205zz OPL 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. MOTOR NET WEIGHT (ABOUT)	21.35 Kg
24. SERIAL NO	

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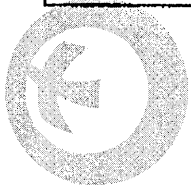
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

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

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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

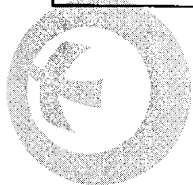
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

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

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KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	4.8/4.25 A
12. LOCKED ROTOR CURRENT	14.2/13.6 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.78/2.63 A
12. LOCKED ROTOR CURRENT	9.2/6.3 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.4/2.27 A
12. LOCKED ROTOR CURRENT	8.6/6.21 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 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 TEMPIRE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.17 A
12. LOCKED ROTOR CURRENT	8.5/6.18 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN Y
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 M
4. RATED POWER	0.8/0.4 KW x 4/8 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1750 / 850 RPM
11. FULL LOAD CURRENT	2.3/2.1 A
12. LOCKED ROTOR CURRENT	8.4/6.15 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	72.8/65.8 %
15. POWER FACTOR AT 100% RATED LOAD	82.3/75 %
16. FULL LOAD TORQUE	0.80 KGM
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	220 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B.CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	3.2/3.6 A
12. STARTING CURRENT AT RATED VOLTAGE	12.8/10.8 A
13. MINIMUM STARTING VOLTAGE	200 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBRIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	380 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATTING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.85/2.08 A
12. STARTING CURRENT AT RATED VOLTAGE	7.41/6.25 A
13. MINIMUM STARTING VOLTAGE	345 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TEN V 전보전공단
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	440 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATING	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TEMPERATURE RISE(BY RESISTANCE)	80 °C
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.6/1.8 A
12. STARTING CURRENT AT RATED VOLTAGE	6.4/5.4 A
13. MINIMUM STARTING VOLTAGE	400 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 K.G.M
17. SITE ALTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV 전보전공단
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPERATURE	40 °C
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

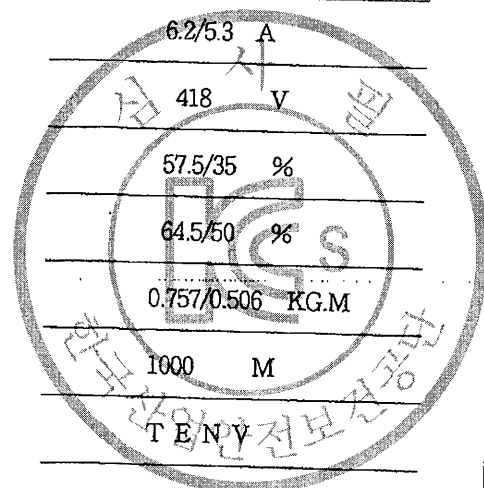
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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/025 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	460 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.5/1.72 A
12. STARTING CURRENT AT RATED VOLTAGE	6.2/5.3 A
13. MINIMUM STARTING VOLTAGE	418 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	T E N Y
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE



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THREE PHASE INDUCTION MOTOR DATE SHEET

SCHEDULE OF TECHNICAL DATA

1. SERVICE	TRAVERSING
2. MANUFACTURE	KUK DONG HOIST (주)
3. FRAME NUMBER	90 L
4. RATED POWER	0.5/0.25 KW x 6/12 P
5. RATED VOLTAGE AND FREQUENCY	480 V 60 Hz
6. MOTOR TYPE	SQUIRREL CAGE ROTOR TYPE
7. SERVICE FACTOR AND RATting	1.0 , 30 MIN
8. LOCATION AND INSULATION CLASS	INDOOR, OUTDOOR, B CLASS
9. DESIGN TRMPERATURE RISE(BY RESISTANCE)	80 ℃
10. FULL LOAD SPEED	1050/460 RPM
11. FULL LOAD CURRENT	1.4/1.6 A
12. STARTING CURRENT AT RATED VOLTAGE	5.82/4.93 A
13. MINIMUM STARTING VOLTAGE	436 V
14. EFFICIENCY AT 100% RATED LOAD	57.5/35 %
15. POWER FACTOR AT 100% RATED LOAD	64.5/50 %
16. STARTING TORQUE	0.757/0.506 KG.M
17. SITE ALTTITUDE(UNDER)	1000 M
18. ENCLOSURE & COOLING METHOD	TENV
19. TYPE OF BEARING	PL : 6205zz OPL : 6204zz
20. MOUNTING	HORIZONTAL
21. MAXIMUM AMBIENT TEMPURE	40 ℃
22. BEARING LUBRICATION	GREASE
23. STARTING METHOD	FULL VOLTAGE

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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

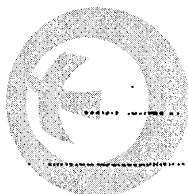
CHARGE NO.	C×100	Si×100	Mn×100	P×1000	S×1000
050697E	70	23	72	15	5

DATE OF SAMPLE TEST

Jan. 15, 2010

CHIEF INSPECTOR D.S.NA
KISWIRE QINGDAO LTD.

192.168.11.38 / 2012-06-27 11:35:02



한국산업안전보건공단
KOSHA

192.168.11.38 / 2012-06-27 11:35:02

SUB VENDOR LIST

구분	NO	DESCRIPTION	SUB VENDOR	TEL NO.	REMARK
기 계	1	WIRE ROPE	만호 로우프(주)	051-332-3131	
			고려제강 (주)	02-776-4131	
	2	MAGNET CORE	극동호이스트(주)	031-491-5311	
	3	DRUM	극동호이스트(주)	031-491-5311	
	4	GEAR	극동호이스트(주)	031-491-5311	
	5	HOOK ASS'Y	제 일 단 첼	032-527-2817	
			대 흥 단 조	032-561-0541	
	6	MIDDLE SHAFT	극동호이스트(주)	031-491-5311	
	7	RAIL CHANNEL ANGLE	인천제철(주)	032-763-5000	
			강원산업(주)	032-756-8881	
전 기	8	MAG CONTACTOR	L.G 전선 (주)	02-273-4140	전 품
			(주) 대 룡	02-242-4141	한국공업협회
			(주) 대성디에스	055-338-3125	
	9	E.O.C.R	삼화기연 (주)	032-62-1331	K.S
			아산 전기	02-2636-8035	
	10	PUSH BUTTON	한영전기 (주)	02-742-0430	전 품
			(주)케이치오토	02-247-3131	전 품
			반도기계 (주)	031-495-8353-4	전 품
	11	LOAD LIMITER	보 창 기 전	032-431-0150	산 안 검
			반도기계 (주)	031-495-8353-4	산 안 검
			정호 엔지니어링	02-681-0553	산 안 검
	12	SILICON	반도기계 (주)	031-495-8353-4	
			아산 전기	02-2636-8035	
			보 창 기 전	032-431-0150	