■ 산업안전보건법 시행규칙 [별지 제10호의 5서식]



				T	
	사업장명	(주)KITO		사업장관리번호	2010E110010
신청인	사업자등록번호	010-E1-10010		대표자 성명	KITO YOSHIO
	소재지	2000,Tsuijiarai	, Showa-Cho, Nakał	koma-Gun, Yamanash	i, Japan
안전인증대상기	계•기구명 호	히스트			
형식(규격)	KD-ER2-030			용량(등급)	3 ton
[[[보건법」 제34조]예비심사]서면심사]기술능력 및 성]개별 제품심사]형식별 제품심		נו ש]	저하	실시한 통지합니다.
			인증심사원	2012년 (최 창 일 오 태 화	24일 (치상임) (기대)
	한국	승강기안	전기술원		



제 CA-2012-0028 호

안 전 인 증 서

(사업장명) (주)KITO

(소 재 지) **2000,Tsuijiarai,Showa-Cho,Nakakoma-Gun,Yamanashi,** Japan

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

	품 명 :	호이스트	
	형식(용량):	KD-ER2-030(3 ton)	
£	인증번호 :	12-CA4AC-0028	
	인증기준 :	위험 <mark>기계・기구 의무안전인증기</mark> 준 (고용노동부고시 제2011-39호)	
	인증조건 :	산업안전보건법 "제34조 준수"	

2012년 11월 30일



【별지 제4호서식】

<u>동 일 형 식 일 람 표</u>

니어자면			<u>명 역 월</u> 개정일		2012.0	10	인증번호	
사업장명 	KITO CORP.		및 번	হ	2012.0	.13	인공민오	
6	식 및 모델번호		동	일형식 형	항목 및 니	H역		
형식번호	모델번호		일형식 항목1		!형식 목2		일형식 항목3	비고
	KITO-ER2D030S-S							
	KITO-ER2D030S-L							
	KITO-ER2D030S-IS							
	KITO-ER2D030S-IL					전기Trolley 결합		
	KITO-ER2D030IS-S					type		
	KITO-ER2D030IS-L	Lift max 30m		횡행모터 0.4kW				
	KITO-ER2D030IS-IS							
KD-ER2-	KITO-ER2D030IS-IL	권상모티	2 5kW	.S : 24m/min .L: 12m/min .IS:24/4m/min .IL:12/2m/min				
030	KITO-C-ER2D030S-S	.S:5.3n				전기Trolley 결합 Clean type		
	KITO-C-ER2D030S-L	Inve	rter					
	KITO-C-ER2D030S-IS	C	ontrol					
	KITO-C-ER2D030S-IL							
	KITO-C-ER2D030IS-S							
	KITO-C-ER2D030IS-L	G)						
	KITO-C-ER2D030IS-IS	r Safe	ety Teol	hnolo	gy Ins	titute		
	KITO-C-ER2D030IS-IL							



제 2012-BJ-0009 호

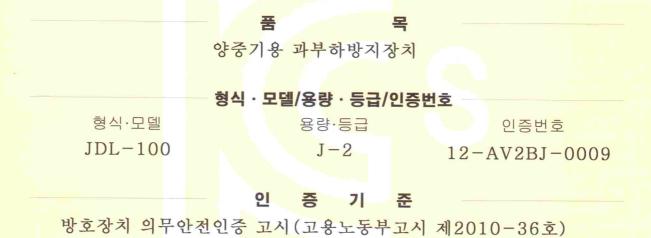


안 전 인 증 서

정호엔지니어링

경기도 광명시 노온사동 440-5

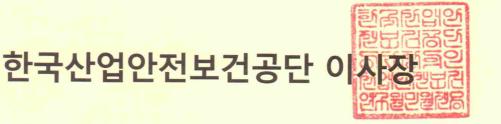
위 사업장에서 제조하는 아래의 품목이 산업안전보건법 제34조 및 같은 법 시행규칙 제58조의4제4항에 따른 안전인증 심사 결과 안전·보건기준에 적합하므로 안전인증표시의 사용을 인증합니다.

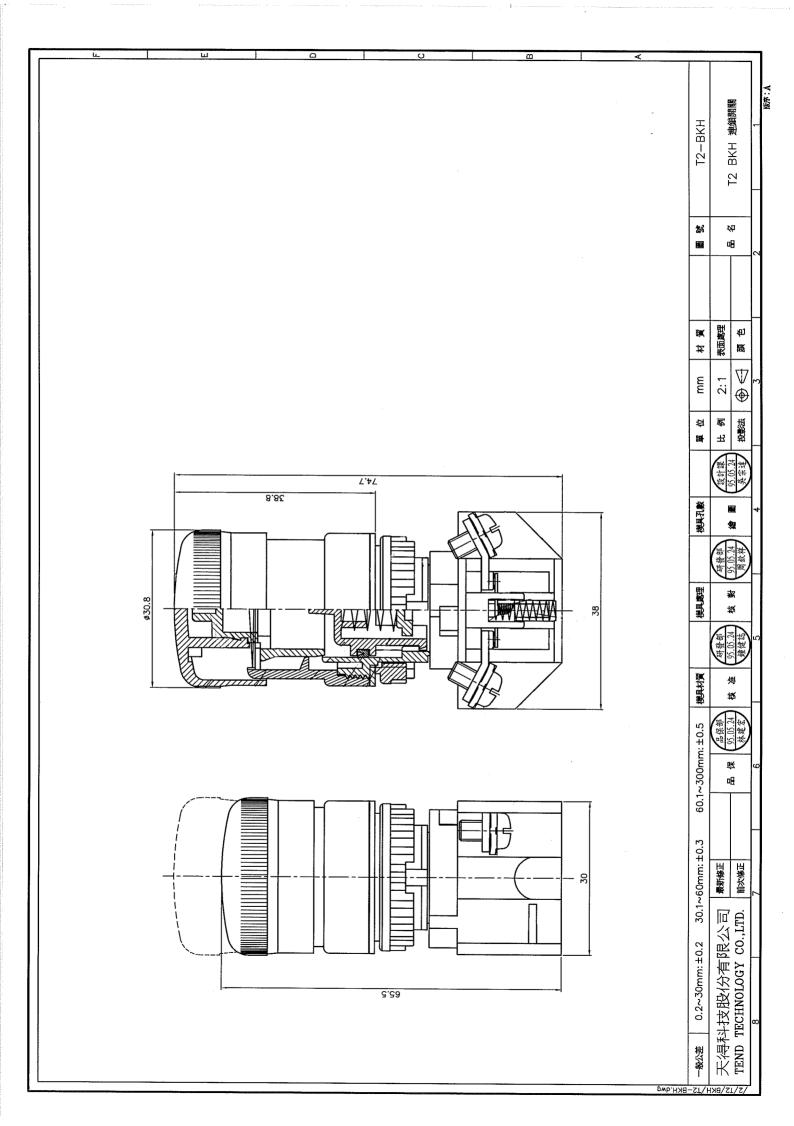


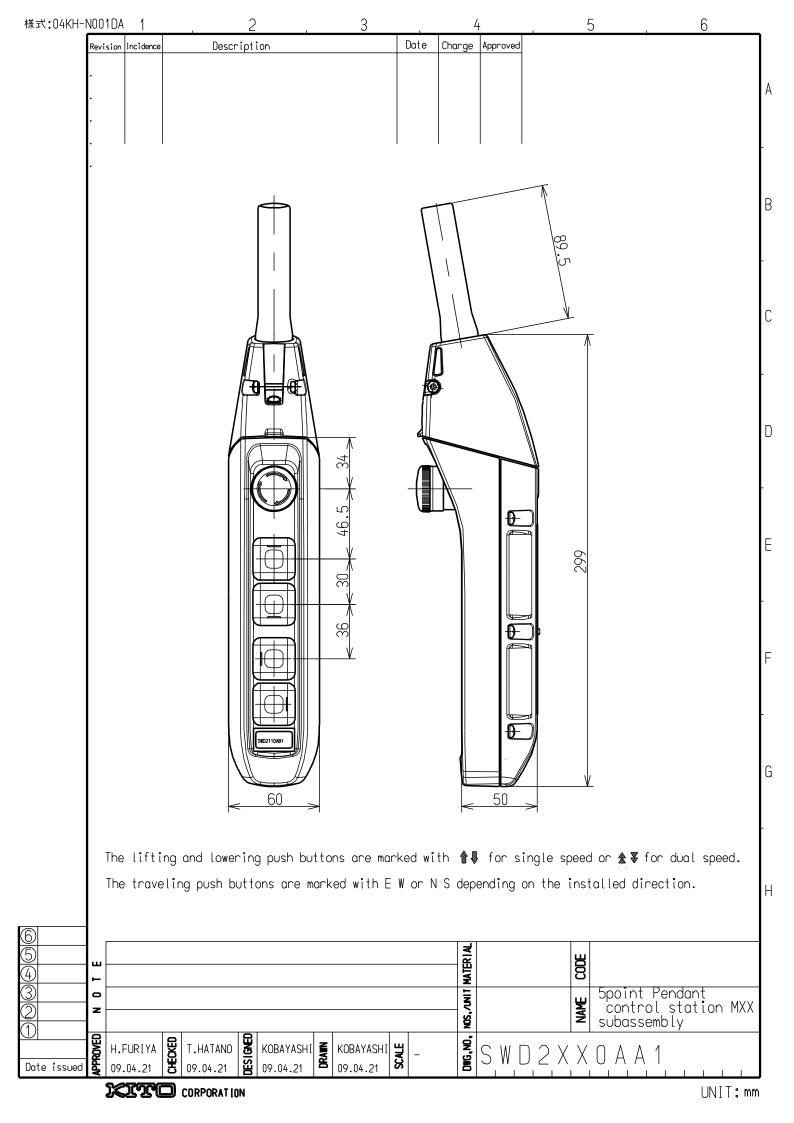
인 증 조 건

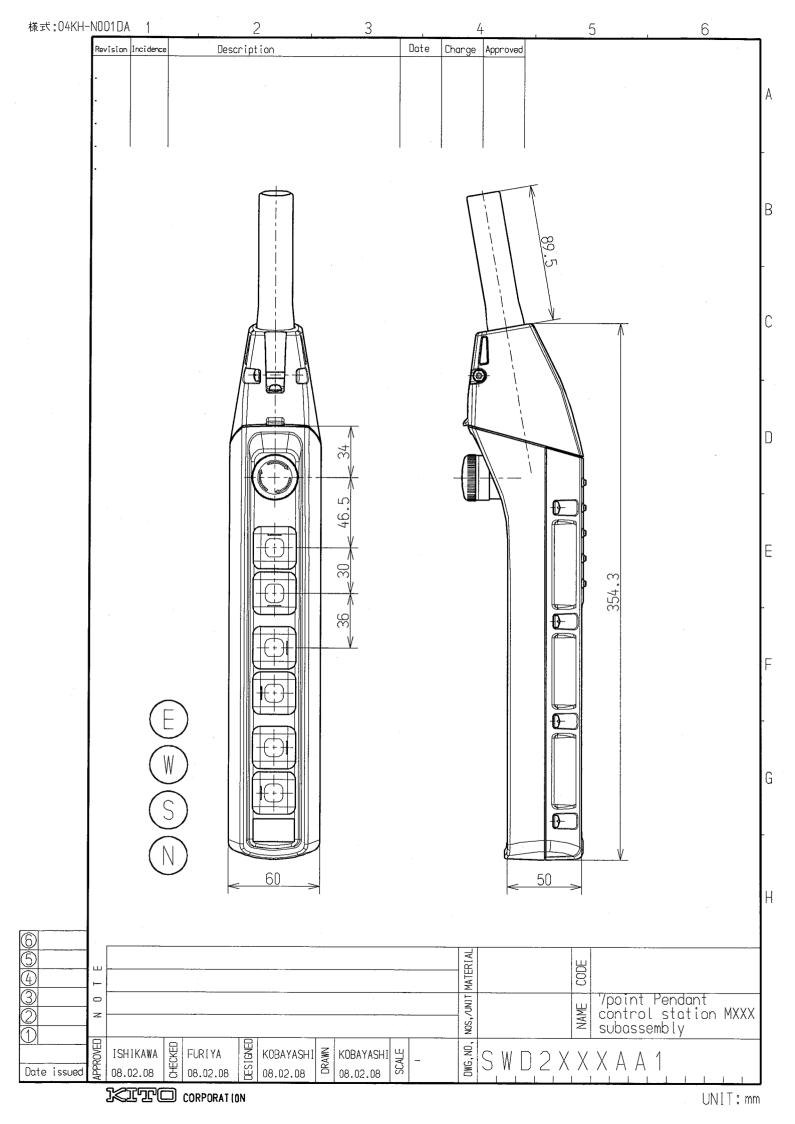
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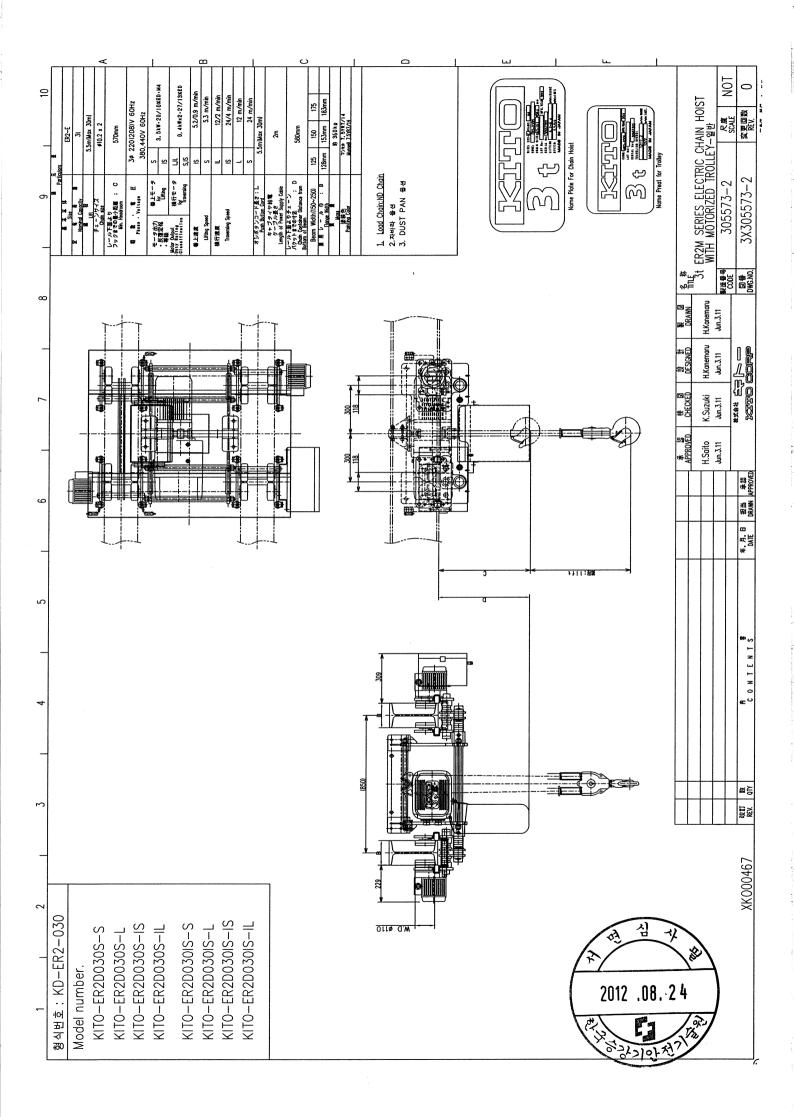
2012년 06월 11일

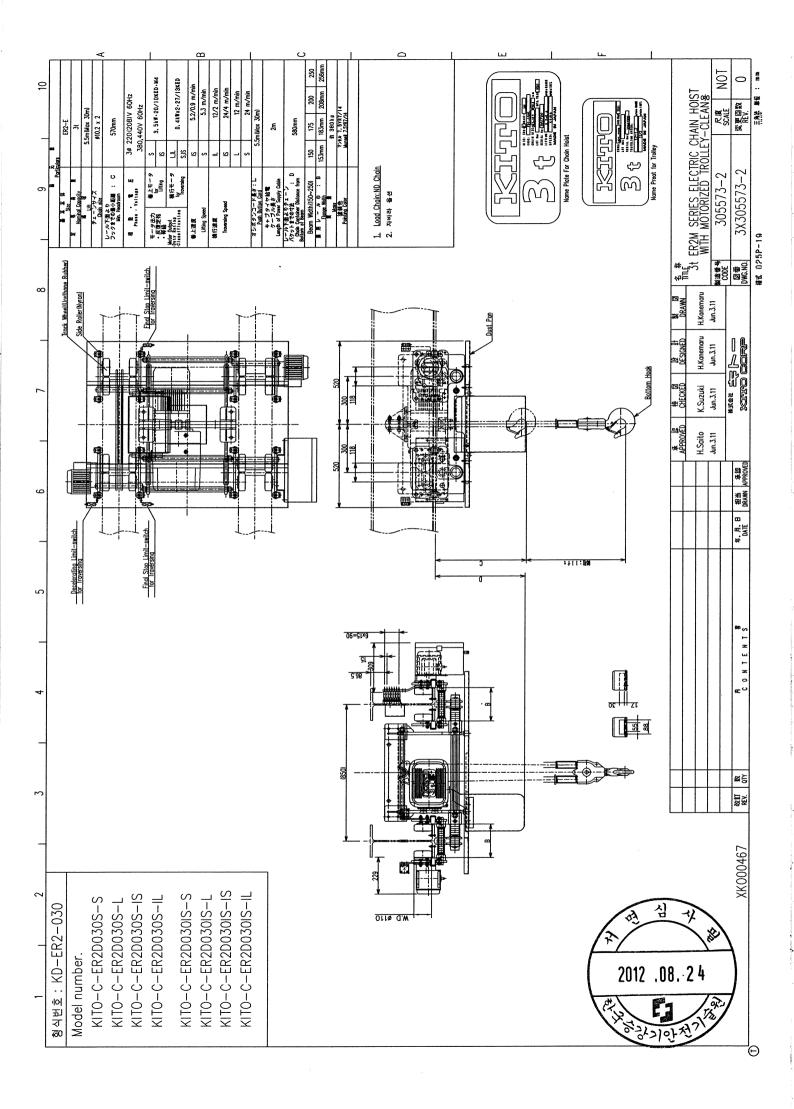












LOAD SUMMARY 1 - INVERTER사양

*POWER SOURCE : AC 3Φ 220(208)V

OBJECT	HOISTING	TRAVERSING	CONTROL CIRCUIT
MOTOR OUTPUT	3.5KW x 4P	0.4KW x 4P x 2SET	
FULL LOAD	18.7	6	0.5
CURRENT	(A)	(A)	(A)

*크레인 하중상태를 HOIST의 정격 LOAD의 100(%)를 사용했을때를 기준으로 작성하였음.

*** NOMAL 전류값 ***

권상과 횡행시 : HOISTING + TRAVERSING + CONTROL CIRCUIT = 25.2 A

*** PEAK 전류값 ***

K= NAMAL 전류치가 50A미만일때 1.25, 50A이상일때 1.1적용

NOMAL 전류값 * K = 25.2 * 1.25 = 31.5 A

LOAD SUMMARY 1 - INVERTER사양

*POWER SOURCE : AC 30 220(208)V

OBJECT	HOISTING	TRAVERSING	CONTROL CIRCUIT
MOTOR OUTPUT	3.5KW x 4P	0.4KW x 4P x 2SET	
FULL LOAD	18.7	6	0.5
CURRENT	(A)	(A)	(A)

*크레인 하중상태를 HOIST의 정격 LOAD의 100(%)를 사용했을때를 기준으로 작성하였음.

*** NOMAL 전류값 ***

권상과 횡행시 : HOISTING + TRAVERSING + CONTROL CIRCUIT =

*** PEAK 전류값 ***

K= NAMAL 전류치가 50A미만일때 1.25, 50A이상일때 1.1적용

NOMAL 전류값 * K = 25.2 * 1.25 =

```
*POWER SOURCE : AC 30 380(440)V
```

OBJECT	HOISTING	TRAVERSING	CONTROL CIRCUIT	
MOTOR OUTPUT	3.5KW x 4P	0.4KW x 4P x 2SET		
FULL LOAD CURRENT	9.2 (A)	5 (A)	0.5 (A)	

31.5 A

*크레인 하중상태를 HOIST의 정격 LOAD의 100(%)를 사용했을때를 기준으로 작성하였음.

*** NOMAL 전류값 ***

권상과 횡행시: HOISTING + TRAVERSING + CONTROL CIRCUIT =

14.7 A

25.2 A

*** PEAK 전류값 ***

K= NAMAL 전류치가 50A미만일때 1.25, 50A이상일때 1.1적용

NOMAL 전류값 * K = 14.7 * 1.25 = 18.3 A



LOAD SUMMARY 2 - 1속형사양

*POWER SOURCE : AC 3Φ 220(208)V

OBJECT	HOISTING	TRAVERSING	CONTROL CIRCUIT
MOTOR OUTPUT	3.5KW x 4P	0.4KW x 4P x 2SET	
FULL LOAD	16.9	6	0.5
CURRENT	(A)	(A)	(A)

*크레인 하중상태를 HOIST의 정격 LOAD의 100(%)를 사용했을때를 기준으로 작성하였음.

*** NOMAL 전류값 ***

권상과 횡행시 : HOISTING + TRAVERSING + CONTROL CIRCUIT = 23.4 A

*** PEAK 전류값 ***

K= NAMAL 전류치가 50A미만일때 1.25, 50A이상일때 1.1적용

NOMAL 전류값 * K = 23.4 * 1.25 =

29.2 A

*POWER SOURCE : AC 3Φ 380(440)V

OBJECT	HOISTING	TRAVERSING	CONTROL CIRCUIT	
MOTOR OUTPUT	3.5KW x 4P	0.4KW x 4P x 2SET		
FULL LOAD CURRENT	8.7 onea _{(A}) Leva	4.4 tor (A) (81)	0.5 Tec(A)noto	gy Institute

*크레인 하중상태를 HOIST의 정격 LOAD의 100(%)를 사용했을때를 기준으로 작성하였음.

*** NOMAL 전류값 ***

권상과 횡행시 : HOISTING + TRAVERSING + CONTROL CIRCUIT =

13.6 A

*** PEAK 전류값 ***

K= NAMAL 전류치가 50A미만일때 1.25, 50A이상일때 1.1적용

NOMAL 전류값 * K = 13.6 * 1.25 =

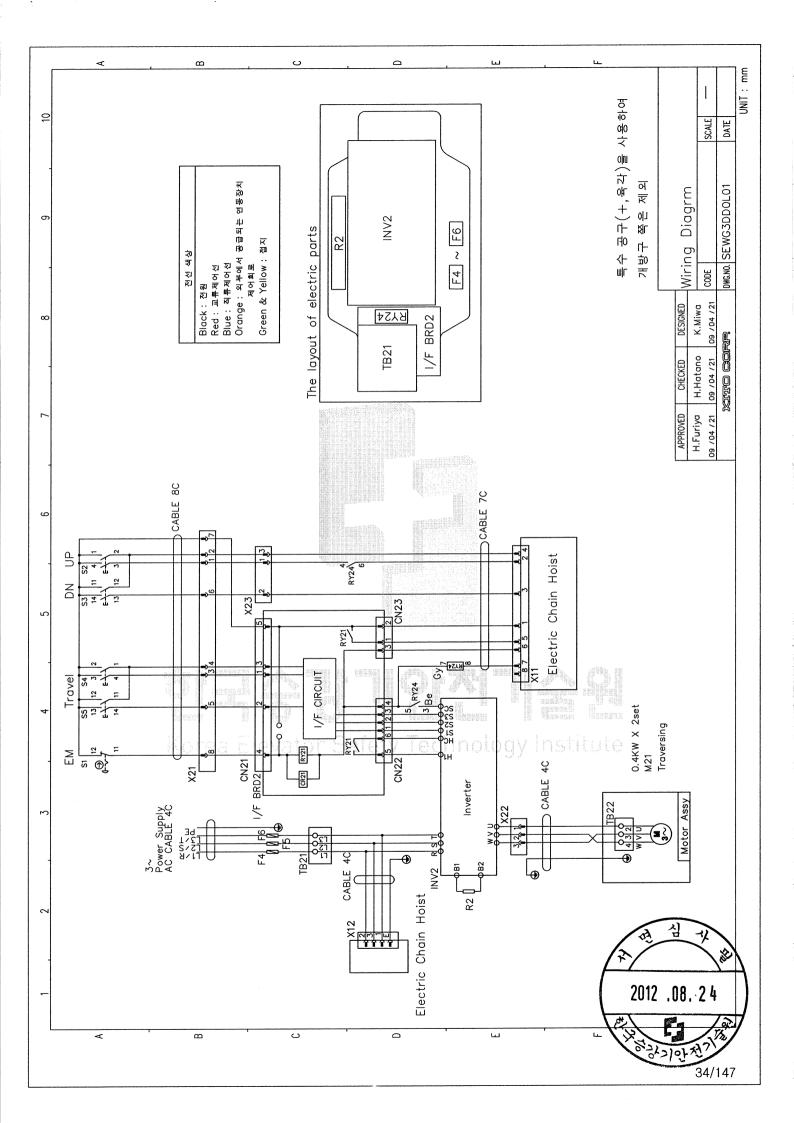
17 A

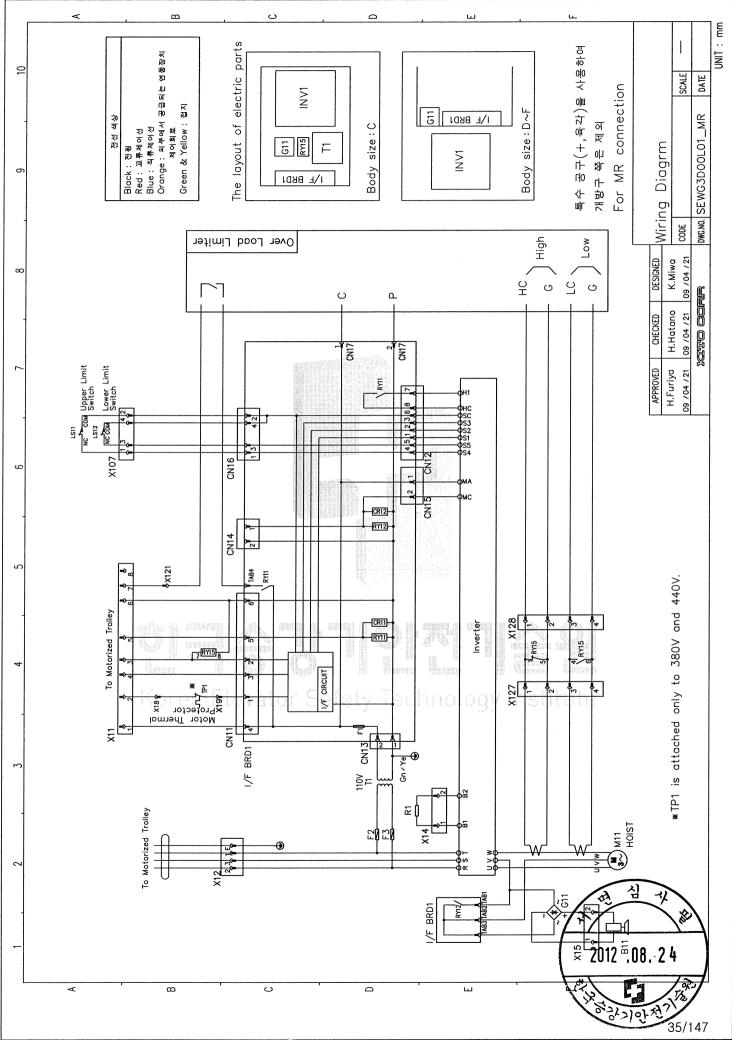


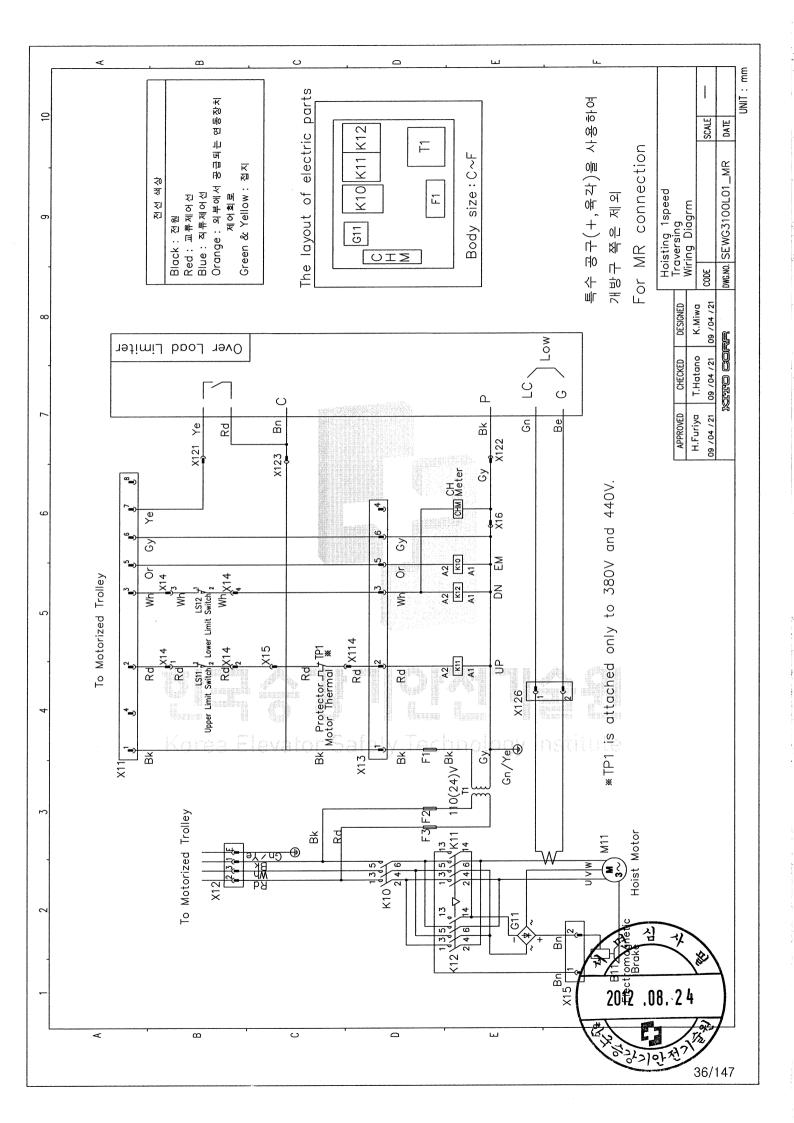
ROTATING MACHINE		SWITCHES	CONTACTORS AND STARTERS	
~	CIRCUIT BREAKER, FIXED TYPE MCCB : MOULDED CASE CIRCUIT BREAKER	L DISCONNECTOR SWITCH, SINGLE THROW MANUALLY OPERATED	AUX. CONTACT, NORWALLY OPEN WHEN MAIN	CONTROLLED RECTIFIER
 AC INDUCTION MOTOR, 3-PHASE N : NORMAL DUTY S : STAND-BY 	WOB : MINATURE CIRCUIT BREAKER	LOAD BREAK SWITCH, SNGLE THROW MANUALLY OPERATED,	CONTACT, NORMALLY CLOSED WHEN MAIN SWITCHING DEVICE IS DE-ENERGIZED	DC-DC CONVERTER
DC MOTOR	CIRCUIT BREAKER, DRAWOUT TYPE	L EARTHING SWITCH, SINGLE THROW MANUALLY OPERATED	MAGNETIC CONTACTOR, ELECTRICALLY OPERATED	RECTIFIER, BATTERY CHARGER
LIGHTNING ARRESTERS	, ,	DISCONNECTOR SWITCH, SINGLE THROW MOTING OPERATED		DC-AC INVERTER
LA : LIGHTNING ARRESTER	MITHDRAWABLE INTERCONNECTOR	EARTHING SMICH, SINGLE THROW	COMBINATION STARTER, FULL VOLTAGE, NON- REVERSING, DRAMOUT TYPE, MTH ELECTRICALLY OPPRATFID CONTACTORS WITH MAXINFTIC MOTOR	
DISCHARGE COUNTER	A CIRCUIT BREAKER, MANUALLY OPERATED FIXED TYPE WITH THERMAL & MAGNETIC TRIP	MOTOR OPERATED VACUUM CIRCUIT SWITCH	CURRENT RELAY WITH ADUUSTABLE TRIP RATING	ELECTRIC HEATER, INDICATE 1* 0R 3* AND KW RATING, UNLESS OTHERWISE SPECIFIED, TO BE REGARDED AS 1*.
INSTRUMENT TRANSFORMERS	CIRCUIT BREAKER, MANUALLY OPERATED]	COMBINATION STARTER, FULL VOLTAGE, NON- REVERSING, FIXED TYPE, MITH ELECTRICALLY OPERATED CONTACTORS, WITH MAGNETIC MOTOR	- EARTHING CONVECTION
CURRENT TRANSFORMER	(*	L FUSED DISCONNECTOR SWITCH	CIRCUIT BREAKER, BUILT IN THERMAL OVER- CURRENT RELAY MITH ADUUSTABLE TRIP RATING	DISCONNECTION LINK
ZERO PHASE CURRENT TRANSFORMER	CIRCUIT BREAKER, MANUĂLĂ ^Q OPERATED DRAWOUT TYPE MITH THERMAL & MAGNETIC TRIP	FUSE-SWITCH	GRAPHIC SYMBOLS	CROSSING OF CONDUCTORS NOT CONNECTED
+CD POTENTIAL TRANSFORMER			CENERAL OPERATING COL	+ OR -++ JUNCTION OF CONDUCTORS OR MIRES
CIRCUIT BREAKERS	FIXED TYPE WITH THERMAL & MAGNETIC TRIP AND RESIDUAL CURRENT RELEASE	(MAKE CONTACT) (MAKE CONTACT) LIMIT SWITCH		BUS DUCT SPB : SECRECATED PHASE BUS DUCT PPASE BUS DUCT PPASE BUS DUCT
POWER CIRCUIT BREAKER, FIXED TYPE CCB : SF6 GAS CIRCUIT BREAKER VCB : VACUUM CIRCUIT BREAKER ACB : AIR CIRCUIT BREAKER		PUSH BUTTON, NORMALLY OPEN MOMENTARY CONTACT	**************************************	CABLE HEAD AND CABLE CONNECTION
		E PUSH BUTTON, NORMALLY CLOSED MOMENTARY CONTACT	RESISTOR	${\cal B}_{AS}$ ammeter smitch
POWER CIRCUIT BREAKER, DRAWOUL TYPE		EA PUSH BUTTON, NORMALLY OPEN PUSH TO LOCK, RELEASED BY KEY	本 DIODE	Ø _{VS} voltmeter switch
		+		X SIGNAL LAMP * R = RED Y = YELLOW G = GREEN B = BLUE W = WHIF A = AMBER C = CYAN
			APPRDVED CHECKED DESIGNED	JL LIST
			IXIII CORF DVG.NO. SY	SYMBOL LIST DATE

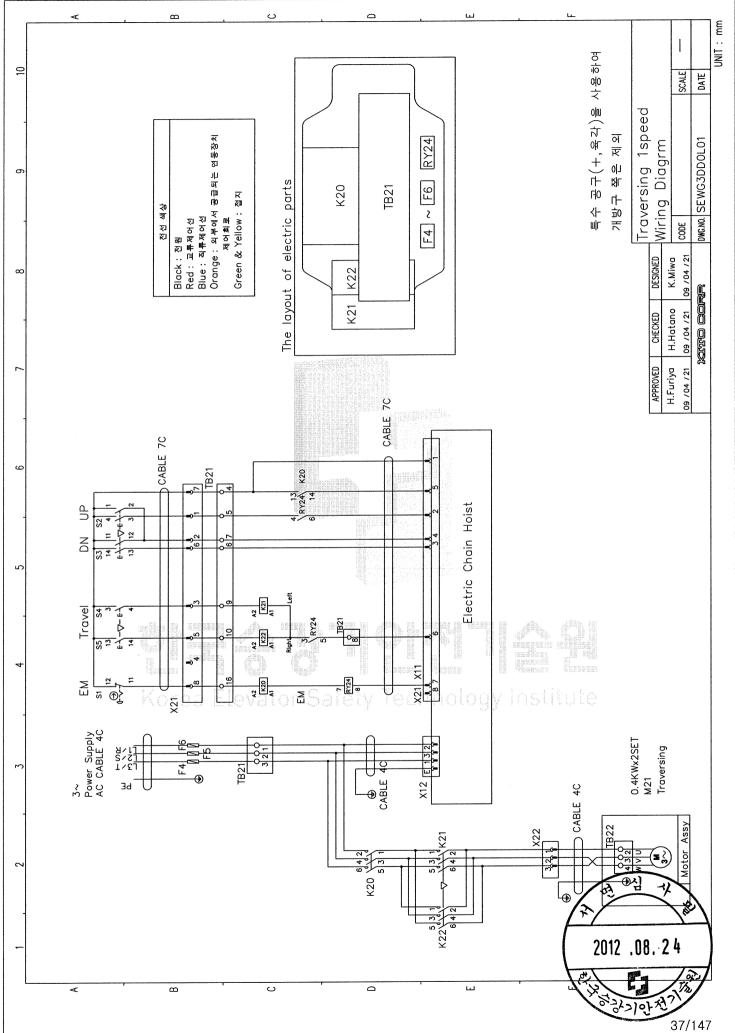
CROSSING OF CONDUCTORS NOT CONNECTED CABLE HEAD AND CABLE CONNECTION 1 BUS DUCT SPB : SEGREGATED PHASE BUS DUCT IPB : ISOLATED PHASE BUS DUCT ELECTRIC HEATER, INDICATE 1* OR 3* AND kw RATING. UNLESS OTHERWISE SPECIFIED, TO BE REGARDED AS 1*. JUNCTION OF CONDUCTORS OR WIRES Y = Yellow B = Blue A = Amber RECTIFIER, BATTERY CHARGER SCALE DATE CONTROLLED RECTIFIER EARTHING CONNECTION VOLTMETER SWITCH DISCONNECTION LINK AMMETER SWITCH DC-DC CONVERTER signal Lamp * R = RED G = Green W = WHITE C = CYAN DC-AC INVERTER BATTERY BANK LIST LIS Ø ss AS 8-**†** + Ē ď Ø \ge ₩ \mathbb{N} X \mathbb{N} ш + SYMBOL SYMBOL COMBINATION STARTER, FULL VOLTAGE, NON-REVERSING, FIXED TYPE, WITH ELECTRICALLY MERTED CONTCORS, WITH AMAGNETO MOTOR CIRCUIT BREAKER, BUILT IN THERMAL WORG-CURRENT RELAY WITH ADJUSTABLE TRIP RATING COMBINATION STARTER, FULL VOLTAGE, NON-REVERSING, DRAWOUT TYPE, WITH ELECTRICALLY OCHER NETCIORS, WITH AMANETIO MOTOR CROLIN REMERE, BULL'IN ELECTRICUL OVER-CURRENT RELAY WITH ADJUSTABLE TRIP RATING MAGNETIC CONTACTOR, ELECTRICALLY OPERATED DVG.ND. AUX. CONTACT, NORMALLY CLOSED WHEN MAIN SWITCHING DEVICE IS DE-ENERGIZED CODE AUX. CONTACT, NORMALLY OPEN WHEN MAIN SWITCHING DEWCE IS DE-ENERGIZED DESIGNED CONTACTORS AND STARTERS GENERAL OPERATING COIL RATIO CORR CAPACITOR VOLTAGE TRANSFORMER(CVT) GRAPHIC SYMBOLS CHECKED CAPACITOR RESISTOR DIODE (CCR APPROVED -0-* ____ -1(------₽ DISCONNECTOR SWITCH, SINGLE THROW MANUALLY OPERATED DISCONNECTOR SWITCH, SINGLE THROW MOTOR OPERATED MANUAL SELECTOR SWITCH (LOCKED) LOAD BREAK SWITCH, SINGLE THROW MANUALLY OPERATED, PUSH BUTTON, NORMALLY CLOSED MOMENTARY CONTACT PUSH BUTTON, NORMALLY OPEN PUSH TO LOCK, RELEASED BY KEY EARTHING SWITCH, SINGLE THROW MANUALLY OPERATED EARTHING SWITCH, SINGLE THROW MOTOR OPERATED PUSH BUTTON, NORMALLY OPEN MOMENTARY CONTACT FUSED DISCONNECTOR SWITCH VACUUM CIRCUIT SWTCH (BREAK CONTACT) (MAKE CONTACT) FUSE-SWITCH LIMIT SWITCH SWITCHES ÷ 1 <u>-</u>} */ 5 1 T 1 CIRCUIT BREAKER, MANUALLY OPERATED FIXED TYPE WITH THERMAL & MAGNETIC TRIP AND RESDUAL CURRENT RELEASE CIRCUIT BREAKER, MANUARA OPERATED DRAWOUT TYPE WITH THERMAL & MAGNETIC TRIP CIRCUIT BREAKER, MANUALLY OPERATED FIXED TYPE WITH THERMAL & MAGNETIC TRIP MCCB : MOULDED CASE CIRCUIT BREAKER MCB : MINIATURE CIRCUIT BREAKER CIRCUIT BREAKER, MANUALLY OPERATED FIXED TYPE WITH MAGNETIC TRIP ONLY CIRCUIT BREAKER, DRAWOUT TYPE WITHDRAWABLE INTERCONNECTOR CIRCUIT BREAKER, FIXED TYPE POWER CIRCUIT BREAKER, DRAWOUT TYPE POWER CIRCUIT BREAKER, FIXED TYPE GCB : SF6 GAS CIRCUIT BREAKER VCB : VACUUM CIRCUIT BREAKER ACB : AIR CIRCUIT BREAKER ZERO PHASE CURRENT TRANSFORMER SYNCHRONOUS GENERATOR, 3-PHASE INSTRUMENT TRANSFORMERS AC INDUCTION MOTOR, 3-PHASE • N : NORMAL DUTY S : STAND-BY 심 LIGHTNING ARRESTER SURGE ARRESTER SURGE SUPPRESSOR マ LIGHTNING ARRESTERS POTENTIAL TRANSFORMER CURRENT TRANSFORMER Ż DISCHARGE COUNTER CIRCUIT BREAKERS ROTATING MACHINE 2012 .08. 24 DC MOTOR S S I 10% Th E. S G Ø -(32) *> -(***_**) 9 -0-) -(=) -**E** ++ -0 ⊖ 7

33/147









CABLE 구성도 및 사양 - 권상 용량 3.5kw

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CABLE SPECIFICATION FOR ER2M

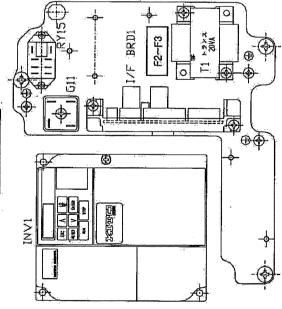
	ER2M30	SIZE	4sq x 4C	1.5sq x 8C	0.75sq x 8C	2.5sg x 4C	1.5sg x 6C	1.5sg x 4C	
									60Hz)
Ш. (с	T D D C T		VCT	VCT	ŵĠТ	ýĊΤ	VCT	VCT	440V
	MIL		Power Line	Push Button Switch	Loas Limit	Power Line for ER	Control Line for ER	Traversing Motor With Earth	(30 220(208)V / 380V / 440V 60Hz
			Ð	3	3	(4)	Ð	9	(3Ф 22



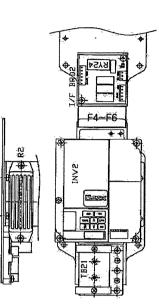
. 호이스트 CONTROL BOX 배치도

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HOISTING CONTROL BOX



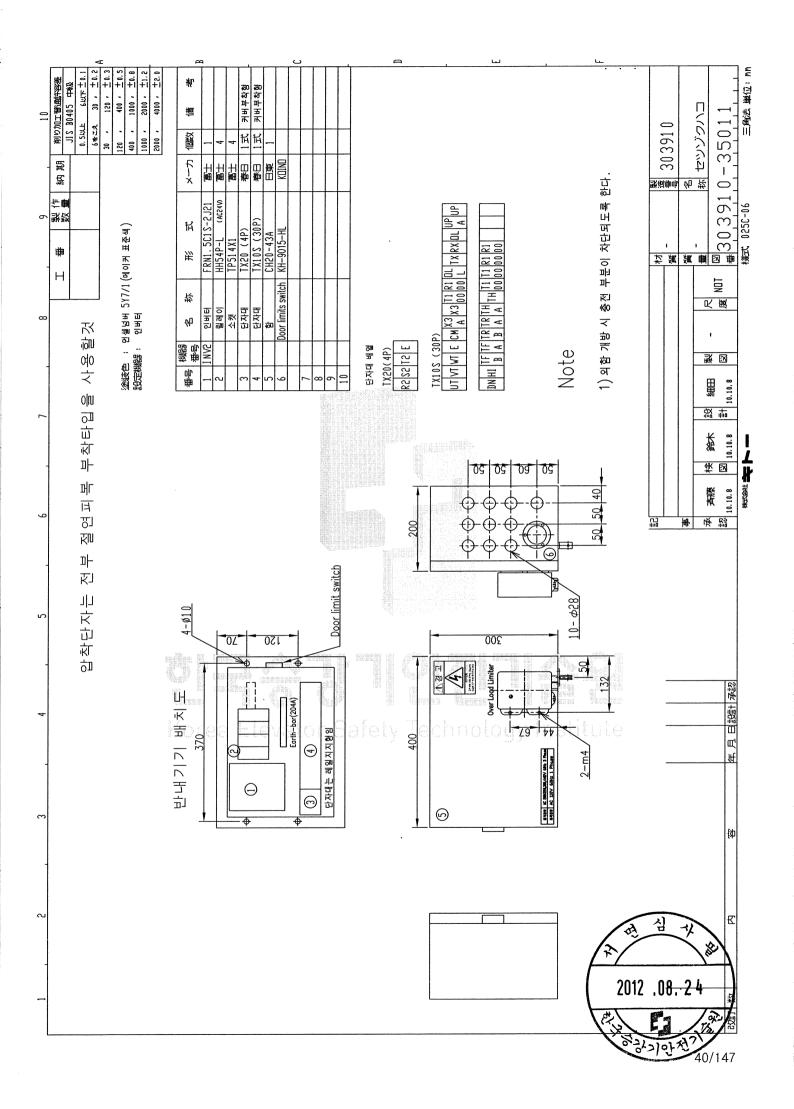


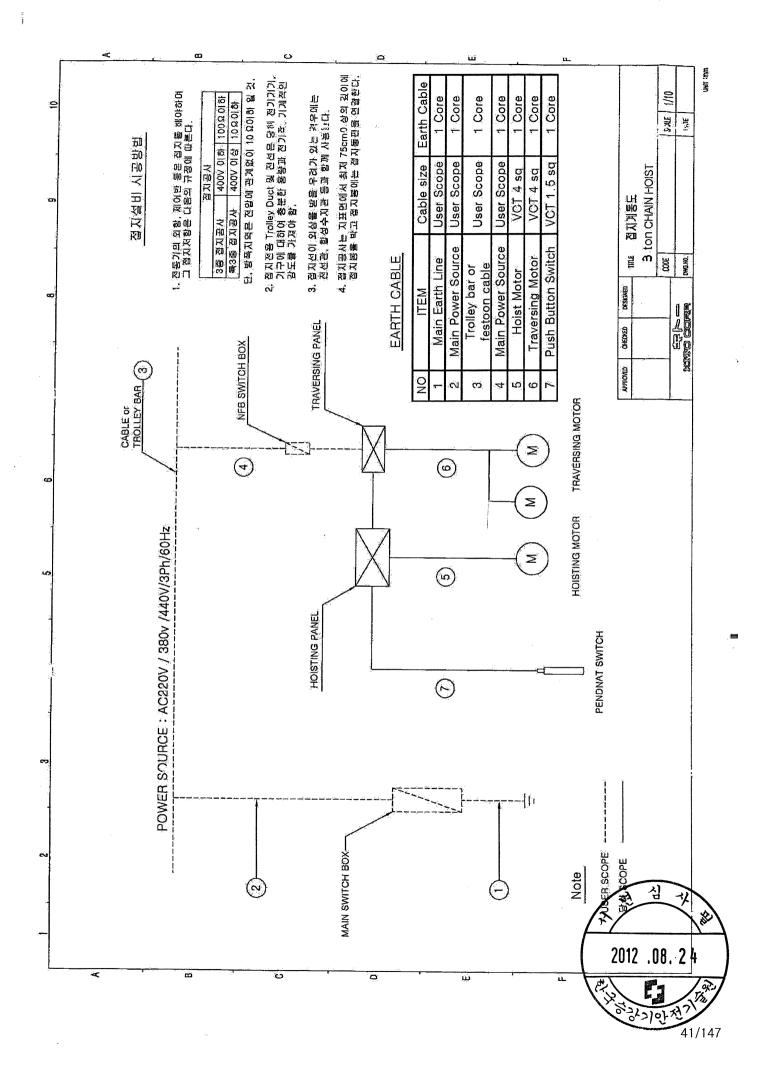


ENCLOSURE : HOIST BODY - 1P55 PUSH BUTTON - 1P65

	DESCRIPTION		TYPE OF MODEL		۲.a	MAKED	DENADIZO
- 1		220V	380V	440V	- 7		CATION PERMANAN
	INVERTER	V1000	V1000	V1000	F	YASKAWA	UP/DOWN
	TRANSFORMER	220V/110V 20VA	380V/110V 20VA	440V/110V 20VA	-	KITO:	CONTROL CIRCUIT
	BRIDGE DIODE	S15VB60	SI5VB60	S15VB60	-	SHINDENGEN	
I/F BRD1	INTERFACE BOARD	10-45A	10-15A	10~15A	-	KITO	
F2~F3	GLASS FUSE	toA	TOA	10A	ιN	FUJI	
F4~F6	GLASS FUSE	30A.	30A	30Å	ŝ	FUJ	
	RELAY	110V	NOL1	1107		OMPON	HIGH/LOW.
	INVERTER	V1000:	V1000:	V1000		YASKAWA.	RIGHT/LEFT
I/F BRD2	INTERFACE BOARD	10~ 15A	10~15A	10-15A	٣	KITO	
RY24.	RELAY	110V	VOLT	1 Î OV	·	ÓMRON	EMERGENCY STOP
	TERMINAL BOARD 21	10~15A	1015A	10±15A	-	KITO	









Date: 2009/04/14

Certificate of Compliance

We certify that the ER2 protection degrees conform to the IP rating as follows:

Hoist body - IP55 based on JIS C 4034-5, "Rotating electrical machines – Part5: Classification of degrees of protection provided by enclosures of rotating electrical machines (IP code)".

Push button - IP65 based on JIS C 0920, "Tests to prove protection against ingress of water and degrees of protection against ingress of solid objects for electrical equipment".

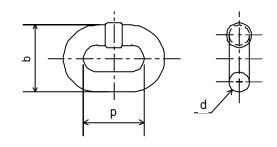
Technical Control Group

Page 1 of 1

Test Certificate

Messrs.

Commodity: NC Load Chain C o d e : KER102 Lot No. : -Quantity: - line(s)



1. Material: Manganese Alloy Steel

2 . Dimensions

	d	р	b
Specified	10.2mm ±0.4	28.4 mm $^{+0.56}_{0}$	Max. 35.7mm
Result	Good	Good	Good

3. Breaking test

	Breaking load	Total ultimate elongation
Specified	Min. 131 (kN)	Min. 10 (%)
Result	Good	Good

4. Manufacturing Proof force test (Test load: 81.7 kN)

	Permanent elongation
Specified	0.25 (%)
Result	Good

General judgment: Satisfactory



2000 Tsuijiarai, Showa-cho, Nakakoma-gun, Yamanashi, JAPAN Quality Assurance Group Quality Assurance Depertment Development & Technology Division

K. Kishimoto (Manager)

Motor Test Report for Electric Chain Hoist

- Motor type : Three phase squirrel cage type induction motor.
- Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ	3.5kW	4P	40/20%ED	220(208)V	Speed Control by Inverter

Full load characteristics

Voltage Fre	quency	220(208)V Speed Control by Inverter
Load	%	100
Current	А	18.7
Speed	rpm	\sim

Insulation class E

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



2000 Tsuijiarai, Showa-cho, Nakakoma-gun, Yamanashi, JAPAN Quality Assurance Group Quality Assurance Department Development & Technology Division

M. Ogihara

Motor Test Report for Electric Trolley

- Motor type : Three phase squirrel cage type induction motor.
- Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ-T	$0.4 \mathrm{kW}$	4P	27/13%ED	220(208)V	Speed Control by Inverter

Full load characteristics

Voltage Fre	quency	220(208)V Speed Control by Inverter
Load	%	100
Current	А	3.0
Speed	rpm	\sim

Insulation class E

The above characteristics are obtained from calculation where the motor is assembled with an electric trolley and the trolley is subjected to full load



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M. Ogihara

Certificate No.: MM080011g Date of Issue: 2009/3/4

Messrs.

Motor Test Report for Electric Chain Hoist

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ	3.5kW	4P	60%ED	220V	60 Hz

Full load characteristics

Voltage Fr	equency	220V 60	Hz			
Load	%	100				
Current	Α	16.9				
Speed	rpm	1670				

Insulation class Ea Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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M. Ogihara

Motor Test Report for Electric Chain Hoist

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. :

Rating

Model	Output	Pole	Intermittent Rating Voltage		Frequency
IBQ	3.5kW	4P	60%ED	380 - 440V	60Hz

Full load characteristics

Voltage Fre	quency	38	0 - 440V	60Hz				
Load	%		100					
Current	A		8.7					
Speed	rpm		1650)				

Insulation Class Ba Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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K. Kishimoto

Motor Test Report for Electric Chain Hoist

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ	3.5kW	4P	40/20%ED	220V	Speed Control by Inverter

Full load characteristics

Voltage F	requency	220V Speed Cont	rol by Inverter	
Load	%	100		
Current	A	18.7		n, ci
Speed	rpm			
				•

Insulation Class E Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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M. Ogihara

Motor Test Report for Electric Chain Hoist

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. \therefore

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency	
IBQ	3.5kW	4P	60%ED	380 - 440V	Speed Control by Inverter	

Full load characteristics

Voltage F	requency	380 - 440V Speed Control by Inverter	
Load	%	100	
Current	Α	9.2	
Speed	rpm		
			inangunan III (1923)

Insulation class Ba Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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K. Kishimoto

Motor Test Report for Electric Trolley

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -



Rating

	Model	Outpu	ut Pole	Intermittent Rating	Voltage	Frequency
	IBQ-T	0.4kV	W 4P	40%ED	220V	60 Hz
Fu	ll load charac	teristics				
	Voltage Free	quency	220V 60Hz			
	Load	%	100			
	Current	Α	3.0	<u> - </u> C : SS	et i sa	
	Speed	rpm	1685			

Insulation Class Ea Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric trolley and the trolley is subjected to full load



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M. Ogihara

Motor Test Report for End Carriage

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. :



Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ-T	0.4kW	4P	40%ED	380 - 440V	60Hz

Full load characteristics

Voltage F	requency	380 - 440V	60Hz			
Load	%	100				
Current	А	2.2				
Speed	rpm	1670				

Insulation Class Ba Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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K. Kishimoto

Certificate No.: MM080012b Date of Issue: 2009/3/4

Messrs.

Motor Test Report for Electric Trolley

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. : -

Rating



Model		1		Intermittent Rating	Voltage	Frequency
IBQ-T	0.4kW	4P	27/13%ED	220V	Speed Control by Inverter	

Full load characteristics

Voltage F	requency		220V	Speed	Control	by Inve	rter		_	
Load	%				100					
Current	Α				3.0			4	32 YOURS.	
Speed	rpm				\sim					
		1111. Jan 1819.		104					ann an	

Insulation Class Ea Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric trolley and the trolley is subjected to full load



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M. Ogihara

Motor Test Report for End Carriage

Motor type : Three phase squirrel cage type induction motor.

Manufacturer : Yasukawa Electric Mfg. Co.

Production No. :

Rating

Model	Output	Pole	Intermittent Rating	Voltage	Frequency
IBQ-T	0.4kW	4 P	40%ED	380 - 440V	Speed Control by Inverter

Full load characteristics

Voltage Fre	quency	22	0 – 230	V Spe	ed Cont	rol by Iı	nverter	
Load	%				100			
Current	Α				2.5			
Speed					\sim			
			1000			120200000000000000000000000000000000000		

Insulation Class Ba Elevator Safety Technology Institute

The above characteristics are obtained from calculation where the motor is assembled with an electric chain hoist and the hoist is subjected to full load



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K. Kishimoto

