

기술평가 우수벤처기업



OHSAS 18001:2007 인증 ISO 14001 인증 ISO 9001 인증 그랜비즈 CSA/UL 인증 으뜸상품



*High Productivity With Hyundai Hoist*

**ELECTRIC** Wire Rope **HOIST**

 **HYUNDAI HOIST**

# Greeting



## 호이스트 산업의 리더 현대호이스트

(주)현대호이스트는 기술과 품질로 세계시장에서 인정받기 위하여 해외 선진기업들과의 과감한 기술제휴를 통하여 안전한 제품, 일관성 있는 제품, 신뢰할 수 있는 제품을 만들고 있으며, 기어 가공 시설, 모터 검사장등 모든 공정을 자체적으로 처리, 생산하는 '메이드 인 코리아'를 갖춘 기업입니다.

(주)현대호이스트는 동종업계 최초로 기업부설연구소를 설립하여 체계화된 연구환경을 조성하였고, 매년마다 출원되는 산업재산권 및 기술력으로 국내시장에서는 독보적인 지위를 인정받고 있으며, CSA/US 인증을 아시아 최초로 획득하여 해외시장에서도 인지도를 인정 받고 있습니다. 또한 세계최초로 호이스트용 블랙박스를 상용화 하기위하여 산업단지공단, 대학교와 기술개발 컨소시엄을 구축하여 연구 개발하고 있으며, 전국 30여개소에 이르는 C/S 센터를 구축하여 신속 정확한 사후관리로 고객분들의 불편없이 사용하실 수 있는 체제를 마련하였습니다.

현대호이스트  
임직원 일동.





Hyundai Hoist Co., Ltd. is an industry leader in manufacturing quality hoist and crane since 1983 with Customer satisfaction, Quality management, Technical innovation and Ingenuity.

Everlasting endeavors have positioned Hyundai Hoist as a major supplier of hoists in safe material handling through in-house gear grinding shop and motor testing facility.

Hyundai Hoist established R & D center to develop new technology, and secure intellectual property rights.

Hyundai Hoist is in-progress of developing a black box, leading the consortium various organizations.

Hyundai Hoist "Safety plus Performance"



# MAIN PRODUCTS



## 주요품목

### HOIST

|                    |                      |
|--------------------|----------------------|
| Mono-Rail Type     | 1ton ~ 20ton         |
| Double-Rail Type   | 2ton ~ 150ton        |
| Low-Head Type      | 1ton ~ 5ton          |
| Creep Type         | 1ton ~ 150ton        |
| Cargo Lift Type    | 1ton ~ 70ton         |
| Main & Aux. Hoist  | 7.5/3ton ~ 250/70ton |
| High Lift Hoist    | 18mt ~ 60mt          |
| Double I-beam Type | 30mt ~ 50mt          |
| Chain Hoist        | 0.25ton ~ 5ton       |

### CRANES

|               |                                                    |
|---------------|----------------------------------------------------|
| Hoist Crane   | Single Girder<br>Double Girder<br>Suspension       |
| Crab Crane    | Double Girder                                      |
| Gantry Crane  | Single Girder<br>Double Girder                     |
| Jib Crane     | Post Type<br>Wall-Driven Type<br>Wall-Mounted Type |
| Special Crane | Refuse Crane                                       |

### SADDLE & CRANE COMPONENTS

|                   |                                   |
|-------------------|-----------------------------------|
| Saddle unit       | Over-head Type<br>Suspension Type |
| Wheel unit        | Over-head Type<br>Suspension Type |
| Geared motor      | 0.5kw ~ 5.5kw                     |
| Soft starter      |                                   |
| Over load limiter |                                   |

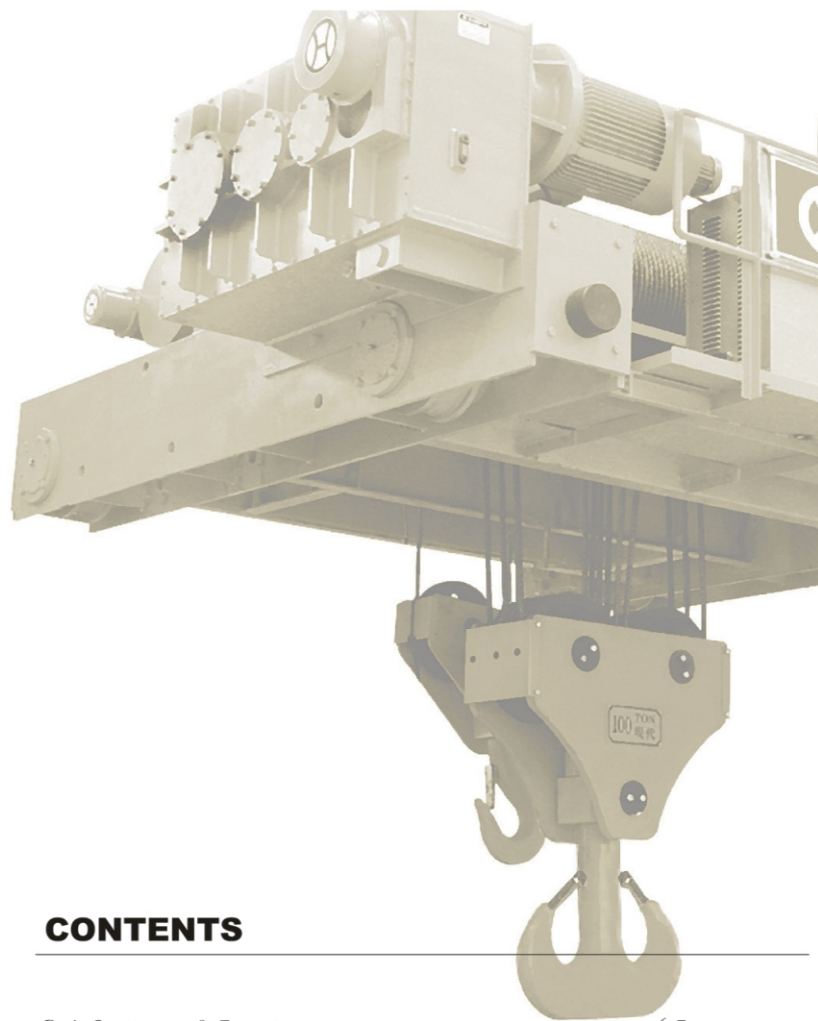
### CRANE ATTACHMENTS

|                |                |
|----------------|----------------|
| Lifting hanger | 0.5ton ~ 50ton |
| C-hook         | 3ton ~ 40ton   |

### TRANSFER CAR

|                   |              |
|-------------------|--------------|
| Coil transfer car | 5ton ~ 50ton |
|-------------------|--------------|





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| Main & Aux Type Hoist with Motor-Driven Trolley(HP)               | 23~25 |
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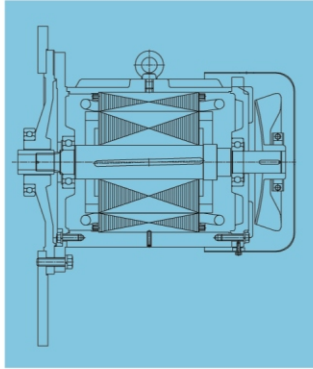


# Basic Components & Feature

## OUTLINE OF YOUR DESIRABLE HOIST SYSTEM

### 귀사가 선택한 호이스트 시스템

#### 권상모터 / HOISTING MOTOR



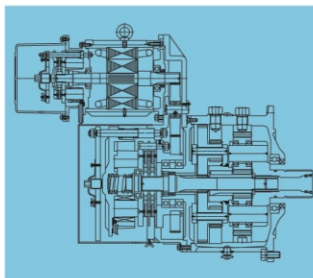
KSC-9621 규격에 준하여 반복정격 및 사용빈도가 높고 125% 부하시 작동 가능하게 설계·제작된 3상 농형 유도전동기로서 모터 용량이 13kw 미만은 T.E.N.V(냉각팬 미부착)타입과, 13kw 이상은 T.E.F.C(냉각팬 부착)타입을 사용하였습니다.

It is 3phase squirrel cage induction motor designed under the performance standard of KSC-9621 (equivalent to ISO4301) to endure the high operation cycle with

continuous rating time(30min) and 125% rated load.

There are two kinds of motors what we apply ; one is T.E.N.V(Totally Enclosed Non-Ventilated) type below 13kw motor capacity and T.E.F.C(Totally Enclosed Fan Cooled) type over 13kw motor capacity.

#### 권상브레이크 / HOISTING BRAKE



전자기계식 마그네틱디스크로 전원에 의한 스프링의 빠른 응답 속도로 설계되어 있으며, 전원이 꺼질시 브레이크 작동이 되고 정격하중하에 제동시 미끄럼비율은 권상속도의 1% 미만이고, 브레이크 토크는 정격하중의 150% 이상을 유지합니다.

It is composed of electric magnetic disc brake with good reaction

released with spring by power. The brake still holded in power failure and slip ratio less than 1% per min of hoisting speed under the 100% load weight.

The brake torque suspend over 150% under the rated load weight.

#### 권과방지장치 / UPPER LIMIT SWITCH

권과방지장치는 이중정지장치로 설계되었으며, 1차 정지시 조작전원이 차단되며, 2차 정지시 호이스트 전원이 차단되어 사용상 안전사고를 방지하고, 또한 역상회전으로 인한 오동작을 차단합니다.

It is designed two step stopping system with LEVER CAM. First stop on the limited highest cut off control power circuit and if the control power do not off, main power circuit cut off secondly by the lever cam on the maximum highest limit.

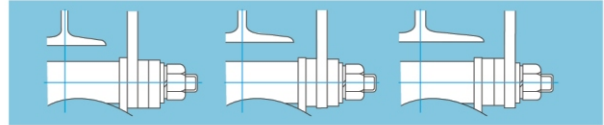
#### 푸쉬버튼케이블 / PUSH BUTTON CABLE

버튼조작시 케이블을 당김으로 연결선의 이탈방지 및 케이블 보호를 위하여 와이어 로프가 내장된 케이블을 설치하였습니다. 별개 동작용의 푸쉬버튼은 제외됩니다.

To protect the disconnection of push button cable to hoist panel, attached cable shock absorber into the hoist frame with harness & spring.

(Independent push button system excluded this system)

#### 횡행차륜 / TROLLEY

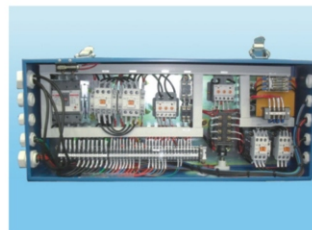


트롤리 프레임폭은 모노레일 경우 I-beam(H-beam)폭에 따라 스페이스로 조정 가능하며, 더블레일도 비표준 레일게이지 폭에 맞추어 제작 가능하며 휠은 그리이스가 봉입된 볼베어링을 사용, 차륜 교환 및 보수가 용이합니다.

In case of mono rail hoist, the flange width available to adjust I-beam(H-beam) size on the brochure with the spacer and in case of double rail hoist the trolley span adjustable to non standard size. All the wheel adopt Grease enclosed ball bearing standing hoist load condition, easy exchange for maintenance.

Wheel taper approx. 8 degree angle for I-beam and available to adopt H-beam as plain wheel without taper.

#### 콘트롤 패널 / CONTROL PANEL



모터의 소손방지를 위한 과부하전류방지장치 및 과전류 차단기가 이중으로 내장되어 있으며 이중방지장치 상한 개폐기 및 각 방향의 운동을 제어하는 전자식 마그네틱 접점은 작동시 안전하고, 패널은 방진 및 방수를 위하여 고무패드로 실링 마감되었습니다.

It is composed of E.O.C.R(=EMPR) to protect the motor and N.F.B to protect Hoist damage and two step lever cam to control highest limit.

The operation of electromagnetic contactor interlock the each motion with safety for any shock.

Panel box adopt rubber pad sealing in order to protect vibration and waterproof.

#### 푸쉬버튼 스위치 / PUSH BUTTON SWITCH



늘어뜨림 방식의 스위치로 기계적 인터록장치가 부착되어 외부의 충격에 강하며 방진, 방수에도 강하다. 스위치 방식으로는 연단동용 토글스위치, 싱글스피드용 및 크립스피드용으로 동시에 일단, 이단을 누를 수 있게 되어 있으며 기본적인 비상스위치 및 사용자의 기능선택(작동방향의 수 및 추가기능)에 따라 4-12점식으로 구성됩니다.

Adopted mechanical interlock system guide safety operation, the case raw material used polycarbonate is strong against impact.

The switch model has toggle switch for multi-operation of two hoists on the same girder, one step push button for single speed, two step push button for dual speed operation. The button points has basically emergency for all motions with the preferable motion numbers.

## 와이어로프 / WIRE ROPE

쉬브효율을 고려하여 안전율이 5 또는 그 이상으로 설계되었으며 로우헤드 1ton(6mm)을 제외한 모든 기종의 로프지름은 8mm 이상이며, 19(또는 37) 가닥의 6코아로 나선 Z꼬임 B종입니다.

It is designed safety factor 5 times or more under considering sheave efficiency.  
Rope diameter of all models use more than 8mm with 6 core construction X 19(37) filaments swirl Z twisted A or B type.

## 감속기어 / REDUCTION GEAR

기어재질은 충분한 강도를 고려 합금강(SCM) 및 탄소강을 사용, 기어연마열처리로 견고한 피막과 탄력있는 내부층은 소음을 최소화하여 부드러운 작동과 내마모성을 크게 했으며 급유방식은 오일비산타입을 적용했습니다.

Considering enough hardening strength, gear raw materials adopt alloyed steel(S.C.M or S45C) and gear tooth treated induction hardening reduce noise with smooth during operation, in particular, enhancing the endurance of wear-out & abrasion resistance structurized hard surface layer, elastic inner layer.  
Lubrication way apply oil batch type.

## 과부하 방지장치 / LOAD LIMITER



정격중량 이상의 하중 사용시 자동적으로 부저음과 동시에 램프에 적색등이 켜짐. 디지털 방식으로 원하는 하중에 맞추어 조절할 수 있습니다.

When the loaded weight over rated load, the limiter sound buzzer consistently turn on the red light on the lamp at the same time. It is a digital type and it can be adjusted upon the desirable load weight.

## 로드블록 및 훅크 / LOAD BLOCK AND SAFETY HOOK

쉬브, 사프트, 훅크빔, 훅크로 구성되며, 훅크는 정격하중시 인력으로 360도 회전 가능하며 안전고리가 내부방향으로 개방되도록 되어 작업시 슬링의 탈선을 방지합니다.

Composed with hook, hook beam, sheave and sheave shaft and the hook available to circulate 360 degree by hand under the rated load and attached the safety latch to open inside direction not to release the sling rope.

## 기어드 모터 / GEARED MOTOR

D.C 마그네틱 디스크 브레이크타입이며 제동력은 전동기 정격 회전력의 150% 이상으로 하고 제동력 조절이 가능토록 설계되었습니다.

모터와 결합된 감속기어는 감속비 및 모터용량에 맞게 설계되어 인칭 및 출발, 정지시 부드러운 운전할 수 있습니다.

Brake power incorporated with D.C magnetic friction disk keep over 100% in the rated motor circulation power and it is available to adjust the brake power.

The motor geared with reducer designed by the optimum reduction ration with motor capacity induce smooth operation in inching, start and stop.

## 선택사양 / OPTIONAL DEVICE

### 인버터 제어 / INVERTER CONTROL



각 MOTION 별 INVERTER 사용시 MOTOR 수명 연장 및 속도제어가 광범위하며, SOFT STAR 및 SOFT STOP이 가능하여 기계적 파손과 제품의 파손을 방지합니다.

## 횡행 리미트 스위치 / TROLLEY LIMIT SWITCH

호이스트의 횡행시 스톱퍼 정지 이전에 작동, 횡행모터의 전원을 차단시켜 BRAKE를 작동시킵니다.

When the hoist travel to the cross direction, the limit switch turn off the electricity of trolley motor before the trolley stop into the stopper device attached the girder.

## 권하 방지장치 / LOWER LIMIT SWITCH

기계전기적 구조로 설계되어 하한의 위치를 설정하여 사용함으로 취급물건의 예기치 못한 충돌을 미연에 방지하고, 역상회전을 방지하여 안전사고를 미연에 방지하고, 하한개폐기의 적절한 사용은 고장정 타입에 유용합니다.

It is designed with electromechanical stop system by limit switch to protect the reversing rope. It is indispensable to apply model of high lift height hoist.

## 이중 모노레일 트롤리 / DOUBLE I-BEAM TROLLEY

초고양정의 모노레일 호이스트에 사용되며, 로우프 및 운반물의 흔들림을 최소화하기 위한 이중트롤리입니다.

The super lift height of mono rail hoist apply double I-beam type double trolley to reduce maximum the swing of loaded cargo with rope.

## 원격 무선 조정 장치 / RADIO CONTROLLER

운전조건상 접근이 어렵거나 안전 또는 작업 효율을 위하여 푸쉬버튼과 별개로 사용하며, 동일공장내에 여러대의 크레인에 사용할 수도 있고, 여러대의 리모콘 동시사용시에도 서로간의 주파수에 의해 오동작이 없으며, 주파수 최대도달거리는 200미터까지 가능합니다.

If the operation site is dangerous or difficult approach position, or requiring high efficiency productivity, the radio remote controller can be used and one controller can be used for several cranes. Several radio controller using in one site do not entangled with other radio controller protecting mis-operation each other.

## STANDARD SUPPLY SCOPE OF MANUFACTURER AND AVAILBLE SPECIFICATION

|                         |                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------|
| Power Supply Voltage    | : 3 Phase × 220~480V × 50/60Hz                                                                        |
| Control Voltage         | : 1 Phase × 24~110V × 50/60Hz                                                                         |
| Lift Height             | : 6, 12, 18, 24, 30mts as standard height                                                             |
| Load Capacity           | : 1~140 tons as standard as each type application                                                     |
| Ambient Temp.           | : Depends on motor insulation group                                                                   |
| Standard Performance    | : KS C9621~1990(Electric Wire Rope Hoist)<br>: ISO 4301 (Crane and lifting appliances-Classification) |
| Paint Color             | : Polyurethane, Safety Blue 4206<br>munsell No 0.9PB 4.2/6.7                                          |
| Pendant Push Button S/W | : 2~12 Points depends on the owner option                                                             |
| Control Panel           | : *same as left                                                                                       |
| Ingress Protection      | : IP 44/54 depends on the owner option                                                                |
| Insulation Group        | : "B" or "F" group depends on the owner option                                                        |
| Rating Time             | : Continuous On-Off during 30 min                                                                     |
| Duty Rate               | : ED 15~60% depends on the model with rated load operation cycle                                      |

### Speed Type with model : Single Speed Type

Hoisting : Single speed

Trolley : Single speed

### Two(Creep) Speed Type for Hoisting

Hoisting : Two speed with 2 motors

Trolley : Single speed

### Two Speed Type for All Motion

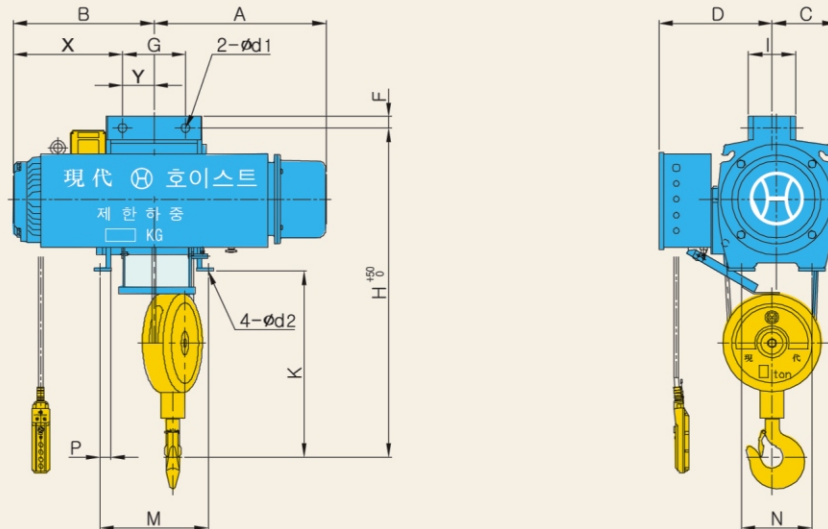
Hoisting : Two speed × 2 motor

Trolley : Two speed × 1 motor (pole changable)

Operation Time/hr : 90~360 times depends on the ED



# Ordinary Type Hoist Without Trolley(HB)



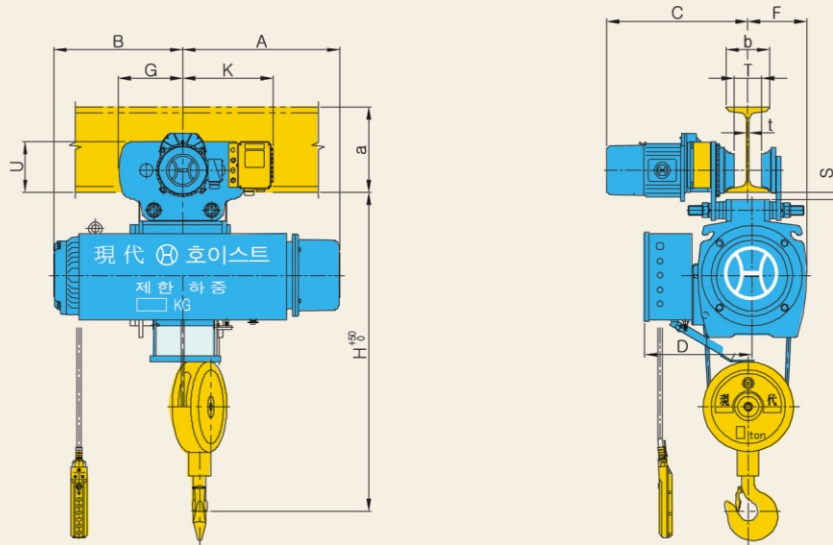
| Capacity (ton)                 |                           |               |      | 1              | 2        | 2.8, 3   | 5        | 7.5   | 10       |
|--------------------------------|---------------------------|---------------|------|----------------|----------|----------|----------|-------|----------|
| Hoist                          | Lift Height(m)            |               |      | 6(12)          | 6(12)    | 6(12)    | 6(12)    | 12    | 12       |
|                                | Hoisting Speed<br>(m/min) | High<br>Speed | 50Hz | 10             | 8.3      | 7.5      | 4.7      | 3.2   | 5        |
|                                |                           |               | 60Hz | 12             | 10       | 9        | 5.6      | 3.8   | 6        |
|                                |                           | Low<br>Speed  | 50Hz | 6.7            | 5        | 3.8      | 3.5      | 2.4   | 3.8      |
|                                |                           |               | 60Hz | 8              | 6        | 4.5      | 4.2      | 2.9   | 4.5      |
|                                | Hoisting Motor<br>(kW×P)  | High Speed    |      | 2.2×4          | 3.7×4    | 5.5×4    | 5.5×6    | 5.5×6 | 13×6     |
|                                |                           | Low Speed     |      | 1.5×6          | 2.5×6    | 2.8×8    | 4.2×8    | 4.2×8 | 9×8      |
|                                | Wire Rope                 | Construction  |      | 6×24           | 6×37     | 6×37     | 6×37     | 6×37  | 6×Fi(25) |
| Dia. (mm) ×No.of ropes         |                           | 8×2           | 10×2 | 12.5×2         | 16×2     | 14×4     | 14×4     |       |          |
| Brake                          |                           |               |      | DC magnet disc |          |          |          |       |          |
| Dimension<br>(approx.)<br>(mm) | H                         |               |      | 750            | 920      | 1053     | 1241     | 1260  | 1325     |
|                                | A                         |               |      | 464(512)       | 502(552) | 547(597) | 632(682) | 961   | 1001     |
|                                | B                         |               |      | 379(531)       | 431(581) | 448(598) | 523(673) | 852   | 951.5    |
|                                | C                         |               |      | 147            | 175      | 205      | 240      | 283   | 345      |
|                                | D                         |               |      | 302            | 330      | 360      | 392      | 496   | 550      |
|                                | G                         |               |      | 160            | 200      | 200      | 280      | 800   | 670      |
|                                | F                         |               |      | 32             | 37       | 37.5     | 50       | 50    | 50       |
|                                | I                         |               |      | 112            | 150      | 150      | 180      | 180   | 247      |
|                                | K                         |               |      | 360            | 470      | 595      | 680      | 740   | 655      |
|                                | M                         |               |      | 350(550)       | 350(550) | 364(564) | 450(650) | 1080  | 1100     |
|                                | N                         |               |      | 160            | 180      | 200      | 250      | 400   | 500      |
|                                | P                         |               |      | 45             | 47       | 47       | 55       | 44    | 65       |
|                                | d1                        |               |      | 26             | 33       | 34       | 47       | 47    | 47       |
|                                | d2                        |               |      | 17             | 17       | 17       | 17       | 25    | 25       |
| Weight (approx.) (kg)          |                           |               |      | 142(170)       | 204(240) | 292(330) | 500(545) | 810   | 1105     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

5ton Hoist까지는 와이어로프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is 2 falls up to 5 ton. Please contact us, if 4 falls are required.

# Ordinary Type

## Hoist With Motor-Driven Trolley(HN)



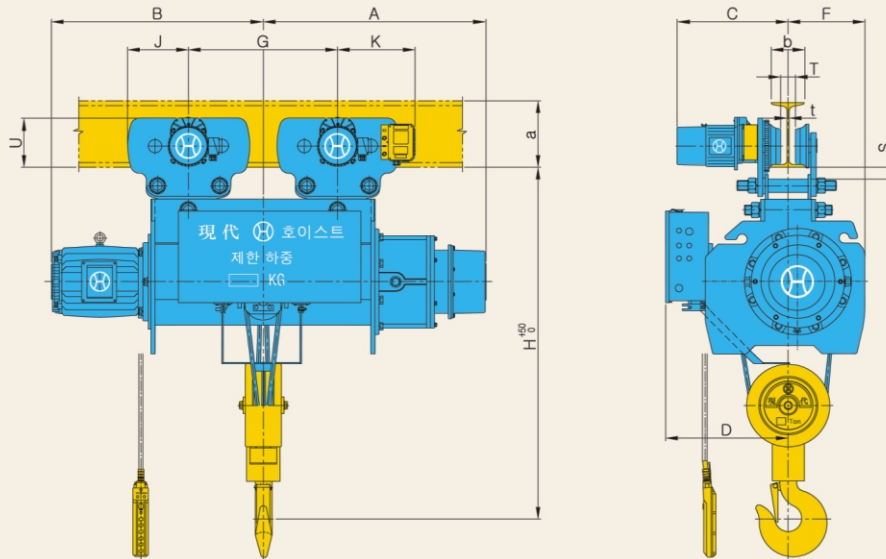
| Capacity (ton)                 |                             |               |       | 1              |                |     |      | 2        |        |    |        | 2.8, 3   |        |     |      | 5        |        |     |       |    |     |     |     |
|--------------------------------|-----------------------------|---------------|-------|----------------|----------------|-----|------|----------|--------|----|--------|----------|--------|-----|------|----------|--------|-----|-------|----|-----|-----|-----|
| Hoist                          | Lift Height(m)              |               |       | 6(12)          |                |     |      | 6(12)    |        |    |        | 6(12)    |        |     |      | 6(12)    |        |     |       |    |     |     |     |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50-Hz | 10             |                |     |      | 8.3      |        |    |        | 7.5      |        |     |      | 4.7      |        |     |       |    |     |     |     |
|                                |                             |               | 60-Hz | 12             |                |     |      | 10       |        |    |        | 9        |        |     |      | 5.6      |        |     |       |    |     |     |     |
|                                |                             | Low<br>Speed  | 50-Hz | 6.7            |                |     |      | 5        |        |    |        | 3.8      |        |     |      | 3.5      |        |     |       |    |     |     |     |
|                                |                             |               | 60-Hz | 8              |                |     |      | 6        |        |    |        | 4.5      |        |     |      | 4.2      |        |     |       |    |     |     |     |
|                                | Hoisting Motor<br>(kW×P)    | High Speed    |       |                | 2.2×4          |     |      |          | 3.7×4  |    |        |          | 5.5×4  |     |      |          | 5.5×6  |     |       |    |     |     |     |
|                                |                             | Low Speed     |       |                | 1.5×6          |     |      |          | 2.5×6  |    |        |          | 2.8×8  |     |      |          | 4.2×8  |     |       |    |     |     |     |
|                                | Wire Rope                   | Construction  |       |                | 6×24           |     |      |          | 6×37   |    |        |          | 6×37   |     |      |          | 6×37   |     |       |    |     |     |     |
| Dia. (mm) ×No. of ropes        |                             |               | 8×2   |                |                |     | 10×2 |          |        |    | 12.5×2 |          |        |     | 16×2 |          |        |     |       |    |     |     |     |
| Brake                          |                             |               |       | DC magnet disc |                |     |      |          |        |    |        |          |        |     |      |          |        |     |       |    |     |     |     |
| Traversing                     | Traversing Speed<br>(m/min) | High<br>Speed | 50-Hz | 20             |                |     |      | 20       |        |    |        | 20       |        |     |      | 20       |        |     |       |    |     |     |     |
|                                |                             |               | 60-Hz | 24             |                |     |      | 24       |        |    |        | 24       |        |     |      | 24       |        |     |       |    |     |     |     |
|                                |                             | Low<br>Speed  | 50-Hz | 13.3           |                |     |      | 13.3     |        |    |        | 13.3     |        |     |      | 13.3     |        |     |       |    |     |     |     |
|                                |                             |               | 60-Hz | 16             |                |     |      | 16       |        |    |        | 16       |        |     |      | 16       |        |     |       |    |     |     |     |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |       |                | 0.75×4         |     |      |          | 0.75×4 |    |        |          | 0.75×4 |     |      |          | 0.75×4 |     |       |    |     |     |     |
|                                |                             | Low Speed     |       |                | 0.5×6          |     |      |          | 0.5×6  |    |        |          | 0.5×6  |     |      |          | 0.5×6  |     |       |    |     |     |     |
|                                | Brake                       |               |       |                | DC magnet disc |     |      |          |        |    |        |          |        |     |      |          |        |     |       |    |     |     |     |
| Dimension<br>(approx.)<br>(mm) | H                           |               |       | 815            |                |     |      | 960      |        |    |        | 1115     |        |     |      | 1325     |        |     |       |    |     |     |     |
|                                | A                           |               |       | 464(512)       |                |     |      | 502(552) |        |    |        | 547(597) |        |     |      | 632(682) |        |     |       |    |     |     |     |
|                                | B                           |               |       | 379(531)       |                |     |      | 431(581) |        |    |        | 448(598) |        |     |      | 523(673) |        |     |       |    |     |     |     |
|                                | D                           |               |       | 302            |                |     |      | 330      |        |    |        | 375      |        |     |      | 398      |        |     |       |    |     |     |     |
|                                | G                           |               |       | 212            |                |     |      | 225      |        |    |        | 225      |        |     |      | 275      |        |     |       |    |     |     |     |
|                                | K                           |               |       | 304            |                |     |      | 314      |        |    |        | 314      |        |     |      | 349      |        |     |       |    |     |     |     |
| I-beam and Spacing<br>(mm)     | a×b×t                       |               |       | C              | S              | F   | T    | U        | C      | S  | F      | T        | U      | C   | S    | F        | T      | U   | C     | S  | F   | T   | U   |
|                                | 200×100×7                   |               |       | 454.5          | 35             | 169 | 48   | 144      | 465    | 32 | 197    | 46       | 170    | 465 | 32   | 205      | 46     | 170 | -     | -  | -   | -   | -   |
|                                | 250×125×7.5                 |               |       | 467            | 33             | 169 | 73   | 146      | 478    | 30 | 197    | 71       | 172    | 478 | 30   | 205      | 71     | 172 | 483   | 40 | 240 | 60  | 216 |
|                                | 300×150×10                  |               |       | 479.5          | 27             | 169 | 98   | 152      | 490    | 24 | 197    | 96       | 178    | 490 | 24   | 205      | 96     | 178 | 495.5 | 34 | 240 | 85  | 222 |
|                                | 450×175×13                  |               |       | -              | -              | -   | -    | -        | -      | -  | -      | -        | -      | -   | -    | -        | -      | -   | 508   | 26 | 240 | 110 | 230 |
| Min. radius of curvature(m)    |                             |               |       | 1.5            |                |     |      | 1.8      |        |    |        | 1.8      |        |     |      | 2.3      |        |     |       |    |     |     |     |
| Weight (approx.)(ka)           |                             |               |       | 212(228)       |                |     |      | 284(308) |        |    |        | 372(405) |        |     |      | 586(630) |        |     |       |    |     |     |     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

5ton Hoist까지는 와이어로프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is 2 falls up to 5 ton. Please contact us, if 4 falls are required.



## Ordinary Type

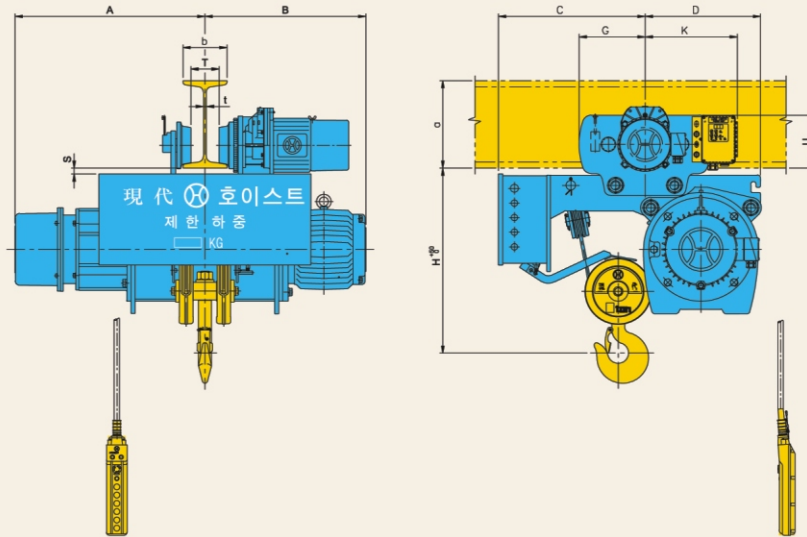
**Hoist With Motor-Driven Trolley(HN)**

| Capacity (ton)                 |                             |               |      | 7.5                                                            |                |     |     | 10       |                |    |     | 15       |                 |     |    | 20     |                 |     |     |    |     |    |     |
|--------------------------------|-----------------------------|---------------|------|----------------------------------------------------------------|----------------|-----|-----|----------|----------------|----|-----|----------|-----------------|-----|----|--------|-----------------|-----|-----|----|-----|----|-----|
| Hoist                          | Lift Height(m)              |               |      | 12                                                             |                |     |     | 12       |                |    |     | 12       |                 |     |    | 12     |                 |     |     |    |     |    |     |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50Hz | 3.2                                                            |                |     |     | 5        |                |    |     | 3.8      |                 |     |    | 3.5    |                 |     |     |    |     |    |     |
|                                |                             |               | 60Hz | 3.8                                                            |                |     |     | 6        |                |    |     | 4.5      |                 |     |    | 4.2    |                 |     |     |    |     |    |     |
|                                |                             | Low<br>Speed  | 50Hz | 2.4                                                            |                |     |     | 3.8      |                |    |     | 2.5      |                 |     |    | 2.3    |                 |     |     |    |     |    |     |
|                                |                             |               | 60Hz | 2.9                                                            |                |     |     | 4.5      |                |    |     | 3        |                 |     |    | 2.8    |                 |     |     |    |     |    |     |
|                                | Hoisting Motor<br>(kW×P)    | High Speed    |      |                                                                | 5.5×6          |     |     |          | 13×6           |    |     |          | 13×8            |     |    |        | 17×8            |     |     |    |     |    |     |
|                                |                             | Low Speed     |      |                                                                | 4.2×8          |     |     |          | 9×8            |    |     |          | 8.5×12          |     |    |        | 11.5×12         |     |     |    |     |    |     |
| Wire Rope                      | Construction                |               |      | 6×37                                                           |                |     |     | 6×Fi(25) |                |    |     | 6×Fi(25) |                 |     |    | 6×37   |                 |     |     |    |     |    |     |
|                                | Dia. (mm)×No. of ropes      |               |      | 14×4                                                           |                |     |     | 14×4     |                |    |     | 18×4     |                 |     |    | 22.4×4 |                 |     |     |    |     |    |     |
| Brake                          |                             |               |      | DC magnet disc                                                 |                |     |     |          |                |    |     |          |                 |     |    |        |                 |     |     |    |     |    |     |
| Traversing                     | Traversing Speed<br>(m/min) | High<br>Speed | 50Hz | 20                                                             |                |     |     | 13.3     |                |    |     | 12.5     |                 |     |    | 12.5   |                 |     |     |    |     |    |     |
|                                |                             |               | 60Hz | 24                                                             |                |     |     | 16       |                |    |     | 15       |                 |     |    | 15     |                 |     |     |    |     |    |     |
|                                |                             | Low<br>Speed  | 50Hz | 13.3                                                           |                |     |     | 8.3      |                |    |     | 8.3      |                 |     |    | 8.3    |                 |     |     |    |     |    |     |
|                                |                             |               | 60Hz | 16                                                             |                |     |     | 10       |                |    |     | 10       |                 |     |    | 10     |                 |     |     |    |     |    |     |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |      |                                                                | 0.75×4(2Units) |     |     |          | 0.75×4(2Units) |    |     |          | 1.5×4×2(2Units) |     |    |        | 1.5×4×2(2Units) |     |     |    |     |    |     |
|                                |                             | Low Speed     |      |                                                                | 0.5×6(2Units)  |     |     |          | 0.5×6(2Units)  |    |     |          | 1×6×2(2Units)   |     |    |        | 1×6×2(2Units)   |     |     |    |     |    |     |
|                                | Brake                       |               |      |                                                                | DC magnet disc |     |     |          |                |    |     |          |                 |     |    |        |                 |     |     |    |     |    |     |
| Dimension<br>(approx.)<br>(mm) | H                           |               |      | 1460                                                           |                |     |     | 1520     |                |    |     | 1875     |                 |     |    | 2115   |                 |     |     |    |     |    |     |
|                                | A                           |               |      | 961                                                            |                |     |     | 1001     |                |    |     | 1076     |                 |     |    | 1179   |                 |     |     |    |     |    |     |
|                                | B                           |               |      | 852                                                            |                |     |     | 951.5    |                |    |     | 1128     |                 |     |    | 1184   |                 |     |     |    |     |    |     |
|                                | D                           |               |      | 475                                                            |                |     |     | 550      |                |    |     | 618      |                 |     |    | 648    |                 |     |     |    |     |    |     |
|                                | G                           |               |      | 800                                                            |                |     |     | 670      |                |    |     | 700      |                 |     |    | 730    |                 |     |     |    |     |    |     |
|                                | K                           |               |      | 349                                                            |                |     |     | 340      |                |    |     | 403.5    |                 |     |    | 403.5  |                 |     |     |    |     |    |     |
|                                | J                           |               |      | 275                                                            |                |     |     | 275      |                |    |     | 297.5    |                 |     |    | 297.5  |                 |     |     |    |     |    |     |
| I-beam and Spacing<br>(mm)     | a×b×t                       |               |      | C                                                              | S              | F   | T   | U        | C              | S  | F   | T        | U               | C   | S  | F      | T               | U   | C   | S  | F   | T  | U   |
|                                | 300×150×10                  |               |      | 495.5                                                          | 34             | 283 | 85  | 222      | 498.5          | 34 | 345 | 64.5     | 222             | —   | —  | —      | —               | —   | —   | —  | —   | —  | —   |
|                                | 450×175×13                  |               |      | 508                                                            | 26             | 283 | 110 | 230      | 511            | 26 | 345 | 89.5     | 230             | 606 | 19 | 400    | 75              | 249 | 606 | 19 | 440 | 75 | 249 |
|                                | 600×190×13                  |               |      | —                                                              | —              | —   | —   | —        | —              | —  | —   | —        | —               | 615 | 20 | 400    | 90              | 248 | 615 | 20 | 440 | 90 | 248 |
| Min. radius of curvature(m)    |                             |               |      | For straight rails only. Please contact us for the curved type |                |     |     |          |                |    |     |          |                 |     |    |        |                 |     |     |    |     |    |     |
| Weight (approx.) (ka)          |                             |               |      | 1050                                                           |                |     |     | 1345     |                |    |     | 2030     |                 |     |    | 2700   |                 |     |     |    |     |    |     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

# Low-Head Type

## Hoist With Motor-Driven Trolley(HL)



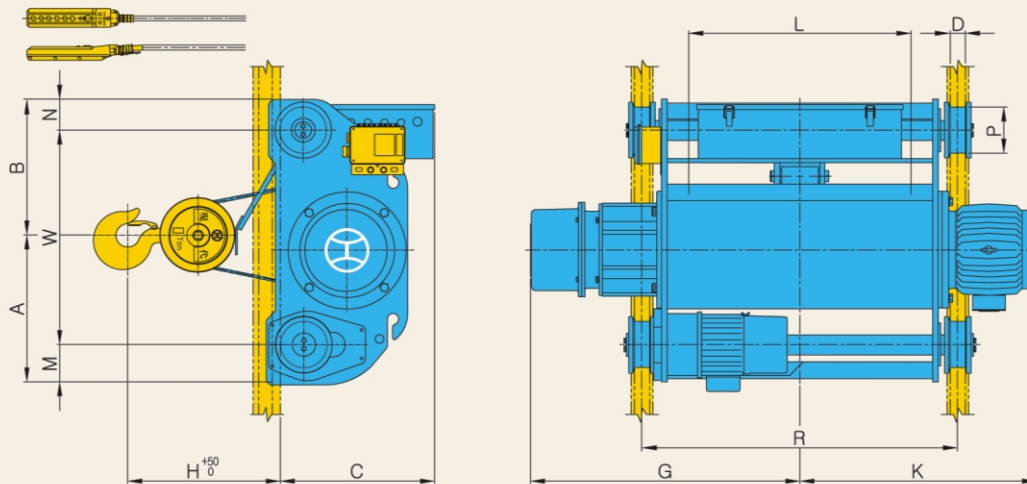
| Capacity (ton)                 |                             |               |      | 1              |                |     | 2      |     |     | 2.8, 3 |        |     | 5      |     |     |
|--------------------------------|-----------------------------|---------------|------|----------------|----------------|-----|--------|-----|-----|--------|--------|-----|--------|-----|-----|
| Hoist                          | Lift Height(m)              |               |      | 6              |                |     | 6      |     |     | 6      |        |     | 6      |     |     |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50Hz | 10             |                |     | 8.3    |     |     | 7.5    |        |     | 4.7    |     |     |
|                                |                             |               | 60Hz | 12             |                |     | 10     |     |     | 9      |        |     | 5.6    |     |     |
|                                |                             | Low<br>Speed  | 50Hz | 6.7            |                |     | 5      |     |     | 3.8    |        |     | 3.5    |     |     |
|                                |                             |               | 60Hz | 8              |                |     | 6      |     |     | 4.5    |        |     | 4.2    |     |     |
|                                | Hoisting Motor<br>(kW×P)    | High Speed    |      | 2.2×4          |                |     | 3.7×4  |     |     | 5.5×4  |        |     | 5.5×6  |     |     |
|                                |                             | Low Speed     |      | 1.5×6          |                |     | 2.5×6  |     |     | 2.8×8  |        |     | 4.2×8  |     |     |
|                                | Wire Rope                   | Construction  |      | 6×19           |                |     | 6×24   |     |     | 6×37   |        |     | 6×37   |     |     |
| Dia.(mm)×No.of ropes           |                             | 6×4           |      |                | 8×4            |     |        | 9×4 |     |        | 12.5×4 |     |        |     |     |
| Brake                          |                             |               |      | DC magnet disc |                |     |        |     |     |        |        |     |        |     |     |
| Traversing                     | Traversing Speed<br>(m/min) | High<br>Speed | 50Hz | 20             |                |     | 20     |     |     | 20     |        |     | 20     |     |     |
|                                |                             |               | 60Hz | 24             |                |     | 24     |     |     | 24     |        |     | 24     |     |     |
|                                |                             | Low<br>Speed  | 50Hz | 13.3           |                |     | 13.3   |     |     | 13.3   |        |     | 13.3   |     |     |
|                                |                             |               | 60Hz | 16             |                |     | 16     |     |     | 16     |        |     | 16     |     |     |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |      | 0.75×4         |                |     | 0.75×4 |     |     | 0.75×4 |        |     | 0.75×4 |     |     |
|                                |                             | Low Speed     |      | 0.5×6          |                |     | 0.5×6  |     |     | 0.5×6  |        |     | 0.5×6  |     |     |
|                                | Brake                       |               |      |                | DC magnet disc |     |        |     |     |        |        |     |        |     |     |
| Dimension<br>(approx.)<br>(mm) | H                           |               |      | 550            |                |     | 570    |     |     | 585    |        |     | 760    |     |     |
|                                | A                           |               |      | 564            |                |     | 624    |     |     | 647    |        |     | 732    |     |     |
|                                | B                           |               |      | 478.5          |                |     | 552.5  |     |     | 548    |        |     | 623    |     |     |
|                                | C                           |               |      | 423            |                |     | 440    |     |     | 499.6  |        |     | 582    |     |     |
|                                | D                           |               |      | 319.5          |                |     | 375    |     |     | 393    |        |     | 465    |     |     |
|                                | G                           |               |      | 212            |                |     | 225    |     |     | 225    |        |     | 275    |     |     |
|                                | K                           |               |      | 304            |                |     | 314    |     |     | 314    |        |     | 349    |     |     |
| I-beam and Spacing<br>(mm)     | a×b×t                       |               |      | S              | T              | U   | S      | T   | U   | S      | T      | U   | S      | T   | U   |
|                                | 200×100×7                   |               |      | 35             | 48             | 144 | 35     | 46  | 170 | 35     | 46     | 170 | —      | —   | —   |
|                                | 250×125×7.5                 |               |      | 33             | 73             | 146 | 33     | 71  | 172 | 33     | 71     | 172 | 40     | 60  | 216 |
|                                | 300×150×10                  |               |      | 27             | 98             | 152 | 27     | 96  | 178 | 27     | 96     | 178 | 34     | 85  | 222 |
|                                | 450×175×13                  |               |      | —              | —              | —   | —      | —   | —   | —      | —      | —   | 26     | 110 | 230 |
| Min. radius of curvature(m)    |                             |               |      | 1.5            |                |     | 1.8    |     |     | 1.8    |        |     | 2.3    |     |     |
| Weight (approx.)(kg)           |                             |               |      | 210            |                |     | 338    |     |     | 424    |        |     | 662    |     |     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



# Double Rail Type

## Hoist With Motor-Driven Trolley(HD)

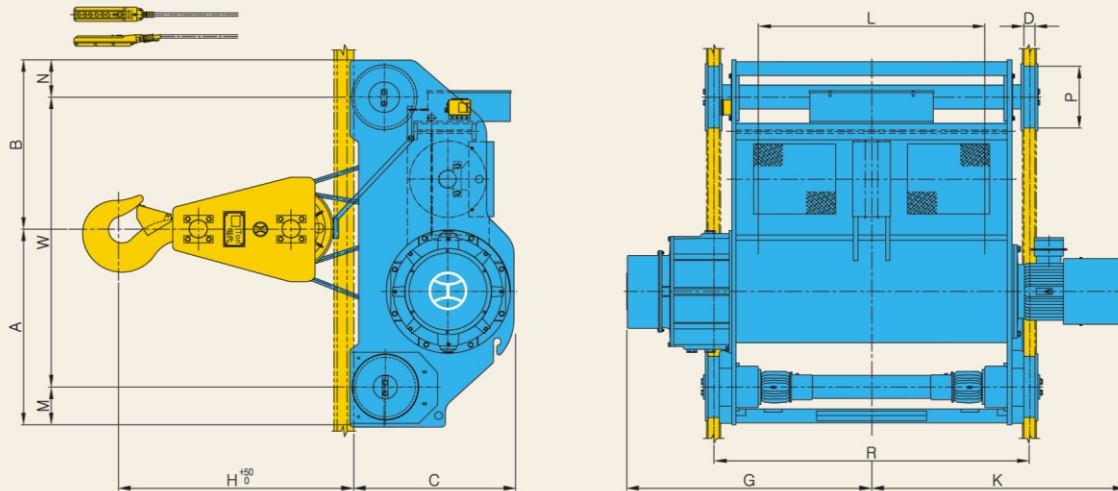


| Capacity (ton)       |                                |                       |         | 2              | 2.8, 3         | 5        | 7.5      | 10       | 15       | 20       | 30            |      |
|----------------------|--------------------------------|-----------------------|---------|----------------|----------------|----------|----------|----------|----------|----------|---------------|------|
| Hoist                | Lift Height(m)                 |                       |         | 12             | 12             | 12       | 12       | 12       | 12       | 12       | 12            |      |
|                      | Hoisting Speed<br>(m/min)      | High<br>Speed         | 50Hz    | 8.3            | 7.5            | 4.7      | 3.2      | 5        | 3.8      | 3.5      | 2.3           |      |
|                      |                                |                       | 60Hz    | 10             | 9              | 5.6      | 3.8      | 6        | 4.5      | 4.2      | 2.8           |      |
|                      |                                | Low<br>Speed          | 50Hz    | 5              | 3.8            | 3.5      | 2.4      | 3.8      | 2.5      | 2.3      | 1.5           |      |
|                      |                                |                       | 60Hz    | 6              | 4.5            | 4.2      | 2.9      | 4.5      | 3        | 2.8      | 1.8           |      |
|                      | Hoisting Motor<br>(kW×P)       | High Speed            |         | 3.7×4          | 5.5×4          | 5.5×6    | 5.5×6    | 13×6     | 13×8     | 17×8     | 17×8          |      |
|                      |                                | Low Speed             |         | 2.5×6          | 2.8×8          | 4.2×8    | 4.2×8    | 9×8      | 8.5×12   | 11.5×12  | 11.5×12       |      |
|                      | Wire Rope                      | Construction          |         | 6×24           | 6×37           | 6×37     | 6×37     | 6×Fi(25) | 6×Fi(25) | 6×37     | 6×37          |      |
|                      |                                | Dia. (mm)×No.of ropes |         | 8×4            | 9×4            | 12.5×4   | 14×4     | 14×4     | 18×4     | 22.4×4   | 22.4×6        |      |
| Brake                |                                |                       |         | DC magnet disc |                |          |          |          |          |          |               |      |
| Traversing           | Traversing Speed<br>(m/min)    | High<br>Speed         | 50Hz    | 20             | 20             | 20       | 20       | 13.3     | 12.5     | 12.5     | 12.5          |      |
|                      |                                |                       | 60Hz    | 24             | 24             | 24       | 24       | 16       | 15       | 15       | 15            |      |
|                      |                                | Low<br>Speed          | 50Hz    | 13.3           | 13.3           | 13.3     | 13.3     | 8.3      | 8.3      | 8.3      | 8.3           |      |
|                      |                                |                       | 60Hz    | 16             | 16             | 16       | 16       | 10       | 10       | 10       | 10            |      |
|                      | Traversing Motor<br>(kW×P)     | High Speed            |         | 0.75×4         | 0.75×4         | 0.75×4   | 0.75×4   | 0.75×4   | 1.5×4    | 1.5×4    | 1.5×4(2Units) |      |
|                      |                                | Low Speed             |         | 0.5×6          | 0.5×6          | 0.5×6    | 0.5×6    | 0.5×6    | 1×6      | 1×6      | 1×6(2Units)   |      |
|                      | Brake                          |                       |         |                | DC magnet disc |          |          |          |          |          |               |      |
|                      | Dimension<br>(approx.)<br>(mm) | H                     |         |                | 420            | 420      | 510      | 730      | 750      | 995      | 1175          | 1480 |
|                      |                                | R                     |         |                | 950            | 950      | 1150     | 1150     | 1150     | 1200     | 1300          | 1800 |
| A                    |                                |                       | 445     | 445            | 526            | 520      | 581      | 625      | 710      | 930      |               |      |
| B                    |                                |                       | 410     | 410            | 474            | 480      | 509      | 555      | 615      | 970      |               |      |
| C                    |                                |                       | 457     | 466            | 522            | 509      | 622.5    | 742      | 796      | 825      |               |      |
| G                    |                                |                       | 776     | 811            | 961            | 961      | 1001     | 1076     | 1179     | 1439     |               |      |
| K                    |                                |                       | 705     | 712            | 852            | 852      | 951.5    | 1128     | 1184     | 1444     |               |      |
| W                    |                                |                       | 650     | 650            | 763            | 758      | 865      | 920      | 1000     | 1540     |               |      |
| D                    |                                |                       | 47      | 47             | 47             | 47       | 58       | 58       | 58       | 70       |               |      |
| L                    |                                |                       | 728     | 724            | 896            | 894      | 865      | 872      | 936      | 1456     |               |      |
| M(N)                 |                                |                       | 112(93) | 112(93)        | 135(102)       | 130(112) | 125(100) | 130(130) | 185(140) | 185(175) |               |      |
| P                    |                                |                       | 140     | 140            | 165            | 165      | 165      | 180      | 220      | 250      |               |      |
| Weight (approx.)(kg) |                                |                       |         | 455            | 524            | 812      | 940      | 1218     | 1850     | 2580     | 3950          |      |
| Rail                 |                                |                       |         | 15kg/m         | 15kg/m         | 15kg/m   | 15kg/m   | 15kg/m   | 22kg/m   | 22kg/m   | 30kg/m        |      |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

## Double Rail Type

### ***Hoist With Motor-Driven Trolley(HD)***

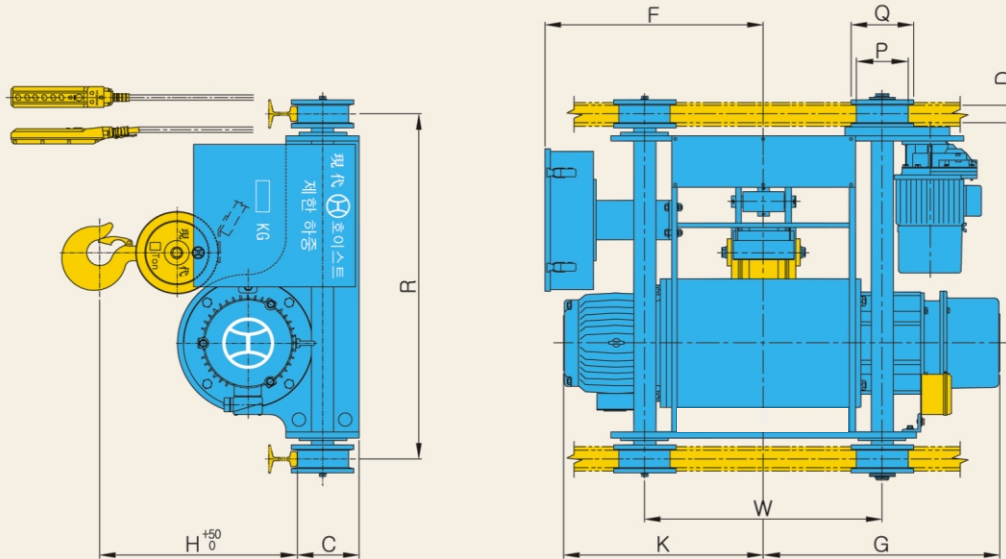


| Capacity (ton)       |                                |                      |          | 35             | 40, 50         | 60            | 70            |      |
|----------------------|--------------------------------|----------------------|----------|----------------|----------------|---------------|---------------|------|
| Hoist                | Lift Height(m)                 |                      |          | 12             | 12             | 12            | 12            |      |
|                      | Hoisting Speed<br>(m/min)      | 50Hz                 |          | 4              | 2.7            | 2             | 2             |      |
|                      |                                | 60Hz                 |          | 4.8            | 3.2            | 2.4           | 2.4           |      |
|                      | Hoisting Motor (kW×P)          |                      |          | 33×6           | 33×6           | 33×6          | 33×6          |      |
|                      | Wire Rope                      | Construction         |          | 6×Fi(25)       | 6×Fi(25)       | 6×Fi(25)      | 6×Fi(25)      |      |
|                      |                                | Dia.(mm)×No.of ropes |          | 28×4           | 28×6           | 28×8          | 28×8          |      |
| Brake                |                                |                      |          | DC magnet disc |                |               |               |      |
| Traversing           | Traversing Speed<br>(m/min)    | High<br>Speed        | 50Hz     | 12.5           | 12.5           | 12.5          | 12.5          |      |
|                      |                                |                      | 60Hz     | 15             | 15             | 15            | 15            |      |
|                      |                                | Low<br>Speed         | 50Hz     | 8.3            | 8.3            | 8.3           | 8.3           |      |
|                      |                                |                      | 60Hz     | 10             | 10             | 10            | 10            |      |
|                      | Traversing Motor<br>(kW×P)     | High Speed           |          | 2.2×4          | 2.2×4(2Units)  | 2.2×4(2Units) | 2.2×4(2Units) |      |
|                      |                                | Low Speed            |          | 1.5×6          | 1.5×6(2Units)  | 1.5×6(2Units) | 1.5×6(2Units) |      |
|                      | Brake                          |                      |          |                | DC magnet disc |               |               |      |
|                      | Dimension<br>(approx.)<br>(mm) | H                    |          |                | 1490           | 1680          | 1780          | 1780 |
| R                    |                                |                      | 1600     | 2300           | 2800           | 2800          |               |      |
| A                    |                                |                      | 1025     | 1432           | 1407           | 1407          |               |      |
| B                    |                                |                      | 955      | 1243           | 1268           | 1268          |               |      |
| C                    |                                |                      | 1027.5   | 1180           | 1205           | 1205          |               |      |
| G                    |                                |                      | 1458     | 1783           | 2033           | 2033          |               |      |
| K                    |                                |                      | 1520     | 1845           | 2095           | 2095          |               |      |
| W                    |                                |                      | 1550     | 2125           | 2075           | 2075          |               |      |
| L                    |                                |                      | 1020     | 1648           | 2002           | 2002          |               |      |
| M(N)                 |                                |                      | 215(215) | 275(275)       | 300(300)       | 300(300)      |               |      |
| P                    |                                |                      | 355      | 450            | 500            | 500           |               |      |
| D                    |                                |                      | 70       | 80             | 80             | 80            |               |      |
| Weight (approx.)(kg) |                                |                      |          | 5200           | 7000           | 9000          | 9000          |      |
| Rail                 |                                |                      |          | 37kg/m         | 50kg/m         | 50kg/m        | 50kg/m        |      |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



# Double Special Type Hoist With Motor-Driven Trolley(HS)



| Capacity (ton)        |                                |                       |       | 2              | 2.8, 3         | 5      | 7.5    | 10       | 15       | 20      |      |
|-----------------------|--------------------------------|-----------------------|-------|----------------|----------------|--------|--------|----------|----------|---------|------|
| Hoist                 | Lift Height(m)                 |                       |       | 6              | 6              | 6      | 6      | 6        | 6        | 8       |      |
|                       | Hoisting Speed<br>(m/min)      | High<br>Speed         | 50Hz  | 8.3            | 7.5            | 4.7    | 3.2    | 5        | 3.8      | 3.5     |      |
|                       |                                |                       | 60Hz  | 10             | 9              | 5.6    | 3.8    | 6        | 4.5      | 4.2     |      |
|                       |                                | Low<br>Speed          | 50Hz  | 5              | 3.8            | 3.5    | 2.4    | 3.8      | 2.5      | 2.3     |      |
|                       |                                |                       | 60Hz  | 6              | 4.5            | 4.2    | 2.9    | 4.5      | 3        | 2.8     |      |
|                       | Hoisting Motor<br>(kW×P)       | High Speed            |       | 3.7×4          | 5.5×4          | 5.5×6  | 5.5×6  | 13×6     | 13×8     | 17×8    |      |
|                       |                                | Low Speed             |       | 2.5×6          | 2.8×8          | 4.2×8  | 4.2×8  | 9×8      | 8.5×12   | 11.5×12 |      |
|                       | Wire Rope                      | Construction          |       | 6×24           | 6×37           | 6×37   | 6×37   | 6×Fi(25) | 6×Fi(25) | 6×37    |      |
|                       |                                | Dia. (mm)×No.of ropes |       | 8×4            | 9×4            | 12.5×4 | 14×4   | 14×4     | 18×4     | 22.4×4  |      |
| Brake                 |                                |                       |       | DC magnet disc |                |        |        |          |          |         |      |
| Traversing            | Traversing Speed<br>(m/min)    | High<br>Speed         | 50Hz  | 20             | 20             | 20     | 20     | 13.3     | 12.5     | 12.5    |      |
|                       |                                |                       | 60Hz  | 24             | 24             | 24     | 24     | 16       | 15       | 15      |      |
|                       |                                | Low<br>Speed          | 50Hz  | 13.3           | 13.3           | 13.3   | 13.3   | 8.3      | 8.3      | 8.3     |      |
|                       |                                |                       | 60Hz  | 16             | 16             | 16     | 16     | 10       | 10       | 10      |      |
|                       | Traversing Motor<br>(kW×P)     | High Speed            |       | 0.75×4         | 0.75×4         | 0.75×4 | 0.75×4 | 0.75×4   | 1.5×4    | 1.5×4   |      |
|                       |                                | Low Speed             |       | 0.5×6          | 0.5×6          | 0.5×6  | 0.5×6  | 0.5×6    | 1.0×6    | 1.0×6   |      |
|                       | Brake                          |                       |       |                | DC magnet disc |        |        |          |          |         |      |
|                       | Dimension<br>(approx.)<br>(mm) | H                     |       |                | 495            | 495    | 525    | 890      | 935      | 1250    | 1460 |
|                       |                                | R                     |       |                | 950            | 950    | 1150   | 1150     | 1150     | 1500    | 1700 |
| C                     |                                |                       | 170   | 170            | 192.5          | 192.5  | 197.5  | 225      | 260      |         |      |
| G                     |                                |                       | 624   | 647            | 732            | 732    | 816    | 901      | 1049     |         |      |
| K                     |                                |                       | 552.5 | 548            | 623            | 623    | 766.5  | 953      | 1054     |         |      |
| F                     |                                |                       | 609   | 597            | 631            | 631    | 672    | 835      | 919      |         |      |
| W                     |                                |                       | 694   | 650            | 772            | 772    | 838    | 950      | 1200     |         |      |
| D                     |                                |                       | 47    | 47             | 47             | 47     | 58     | 58       | 58       |         |      |
| Q                     |                                |                       | 170   | 170            | 195            | 195    | 195    | 210      | 250      |         |      |
| P                     |                                |                       | 140   | 140            | 165            | 165    | 165    | 180      | 220      |         |      |
| Weight (approx.) (kg) |                                |                       |       | 420            | 535            | 760    | 890    | 1178     | 1680     | 2500    |      |
| Rail                  |                                |                       |       | 15kg/m         | 15kg/m         | 15kg/m | 15kg/m | 15kg/m   | 22kg/m   | 22kg/m  |      |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



[ The Best support for the best product ]

## CREEP HOIST

### 작업능률을 향상시킵니다.

INCHING없이 정위치에 확실히 운반물을 착상시킬 수 있으며, 운반물을 운반시에는 고속으로, 정밀한 작업시에는 미속으로 할 수 있으므로 운반물의 OVERRUN이 없으며 안전하고 고능률적입니다.

### 안전작업이 약속됩니다.

단거리 승강도 정속하게 확실히 되므로 사고가 방지됩니다. 또한 고속, 미속의 교환이 충격없이 서서히 변화됩니다. 2단 PUSH BUTTON SWITCH의 작동은 살짝 누르면 미속, 세게 누르면 고속이 되므로 오작동시에도 위험이 없습니다.

### 운반물에 손상을 주지 않습니다.

정지 희망위치를 지나치거나, 모자라거나 충격으로 착상하는 일은 전혀 없으므로 정밀가공품이라도 손상시키는 일은 없습니다.

### INCREASE OF OPERATION EFFICIENCY

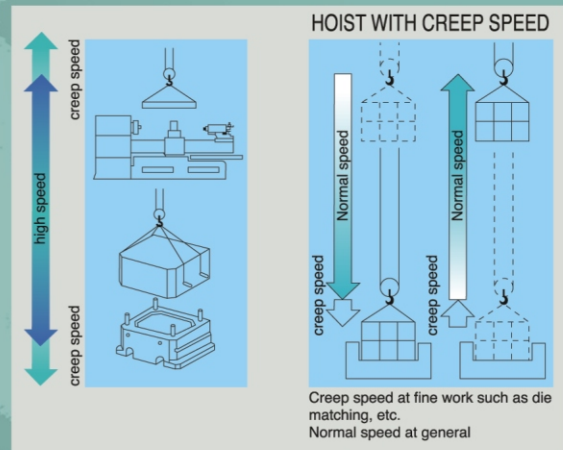
The speed is freely changeable with push buttons by creep speed through high speed. The hoisting load is securely and efficiently stopped and unloaded.

### SAFETY DESIGN

Two motors of creep speed and high speed are provided. The creep speed selected by 2nd level pushed button and the high speed by 1st level pushed button. Even if the load is hoisted for a short distance, it is stably and smoothly.

### DURABILITY AND ECONOMICAL IMPROVEMENT

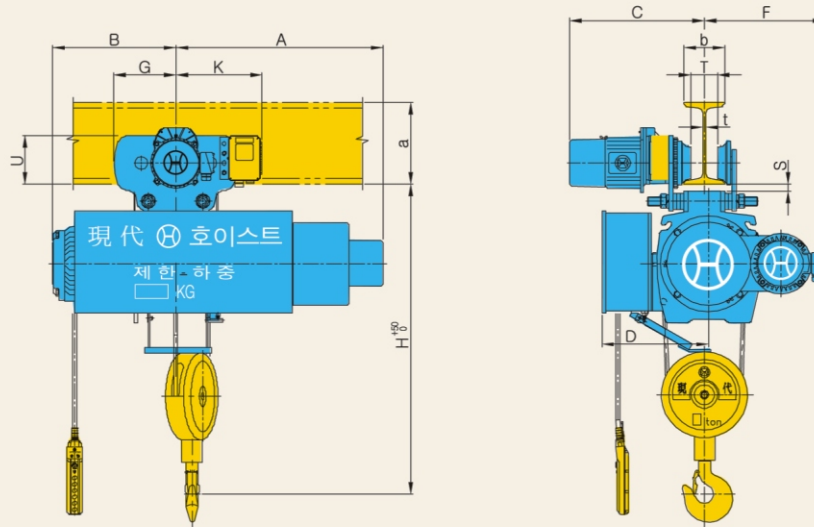
Since inching operation is unnecessary, there is no over-current, machine mechanism shock is softened and durability is increased. thus, the hoist is the energy saving type.





# Ordinary Type

## Creep Hoist With Motor-Driven Trolley(HM)

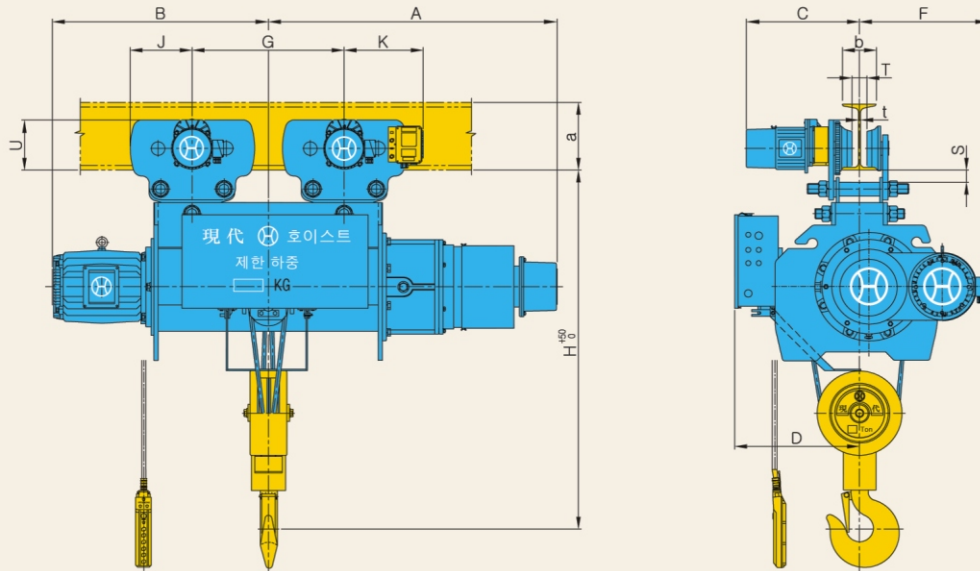


| Capacity (ton)              |                                  |                    |          | 1              |                |      |          | 2           |    |        |          | 2.8, 3      |     |      |          | 5           |     |       |     |     |     |     |
|-----------------------------|----------------------------------|--------------------|----------|----------------|----------------|------|----------|-------------|----|--------|----------|-------------|-----|------|----------|-------------|-----|-------|-----|-----|-----|-----|
| Hoist                       | Lift Height(m)                   |                    |          | 6(12)          |                |      |          | 6(12)       |    |        |          | 6(12)       |     |      |          | 6(12)       |     |       |     |     |     |     |
|                             | Hoisting Speed (m/min)           | 50Hz               |          | 10/1           |                |      |          | 8.3/0.83    |    |        |          | 7.5/0.75    |     |      |          | 4.7/0.47    |     |       |     |     |     |     |
|                             |                                  | High/Creep<br>60Hz |          | 12/1.2         |                |      |          | 10/1        |    |        |          | 9/0.9       |     |      |          | 5.6/0.56    |     |       |     |     |     |     |
|                             | Hoisting Motor (kW×P) High/Creep |                    |          | 2.2/0.4×4      |                |      |          | 3.7/0.4×4   |    |        |          | 5.5/1.1×4   |     |      |          | 5.5/1×6     |     |       |     |     |     |     |
|                             | Wire Rope                        | Construction       |          | 6×24           |                |      |          | 6×37        |    |        |          | 6×37        |     |      |          | 6×37        |     |       |     |     |     |     |
| Dia.(mm)×No.of ropes        |                                  | 8×2                |          |                |                | 10×2 |          |             |    | 12.5×2 |          |             |     | 16×2 |          |             |     |       |     |     |     |     |
| Brake                       |                                  |                    |          | DC magnet disc |                |      |          |             |    |        |          |             |     |      |          |             |     |       |     |     |     |     |
| Traversing                  | Traversing Speed (m/min)         | High Speed         | 50Hz     | 20             |                |      |          | 20          |    |        |          | 20          |     |      |          | 20          |     |       |     |     |     |     |
|                             |                                  |                    | 60Hz     | 24             |                |      |          | 24          |    |        |          | 24          |     |      |          | 24          |     |       |     |     |     |     |
|                             |                                  | Low Speed          | 50Hz     | 13.3           |                |      |          | 13.3        |    |        |          | 13.3        |     |      |          | 13.3        |     |       |     |     |     |     |
|                             |                                  |                    | 60Hz     | 16             |                |      |          | 16          |    |        |          | 16          |     |      |          | 16          |     |       |     |     |     |     |
|                             |                                  | Dual Speed         | 50Hz     | 13.3/6.7       |                |      |          | 13.3/6.7    |    |        |          | 13.3/6.7    |     |      |          | 13.3/6.7    |     |       |     |     |     |     |
|                             |                                  |                    | 60Hz     | 16/8           |                |      |          | 16/8        |    |        |          | 16/8        |     |      |          | 16/8        |     |       |     |     |     |     |
|                             | Traversing Motor (kW×P)          | High Speed         |          | 0.75×4         |                |      |          | 0.75×4      |    |        |          | 0.75×4      |     |      |          | 0.75×4      |     |       |     |     |     |     |
|                             |                                  | Low Speed          |          | 0.5×6          |                |      |          | 0.5×6       |    |        |          | 0.5×6       |     |      |          | 0.5×6       |     |       |     |     |     |     |
|                             |                                  | Dual Speed         |          | 0.8/0.4×4/8    |                |      |          | 0.8/0.4×4/8 |    |        |          | 0.8/0.4×4/8 |     |      |          | 0.8/0.4×4/8 |     |       |     |     |     |     |
|                             | Brake                            |                    |          |                | DC magnet disc |      |          |             |    |        |          |             |     |      |          |             |     |       |     |     |     |     |
| Dimension (approx.) (mm)    | H                                |                    | 815      |                |                |      | 960      |             |    |        | 1115     |             |     |      | 1325     |             |     |       |     |     |     |     |
|                             | A                                |                    | 588(636) |                |                |      | 630(680) |             |    |        | 754(804) |             |     |      | 836(886) |             |     |       |     |     |     |     |
|                             | B                                |                    | 492(531) |                |                |      | 544(581) |             |    |        | 560(598) |             |     |      | 640(673) |             |     |       |     |     |     |     |
|                             | D                                |                    | 302      |                |                |      | 330      |             |    |        | 388      |             |     |      | 420      |             |     |       |     |     |     |     |
|                             | G                                |                    | 212      |                |                |      | 225      |             |    |        | 225      |             |     |      | 275      |             |     |       |     |     |     |     |
| I-beam and Spacing (mm)     | K                                |                    | 304      |                |                |      | 314      |             |    |        | 314      |             |     |      | 349      |             |     |       |     |     |     |     |
|                             | a×b×t                            |                    | C        | S              | F              | T    | U        | C           | S  | F      | T        | U           | C   | S    | F        | T           | U   | C     | S   | F   | T   | U   |
|                             | 200×100×7                        |                    | 454.5    | 35             | 383            | 48   | 144      | 465         | 32 | 419    | 46       | 170         | 465 | 32   | 432      | 46          | 170 | -     | -   | -   | -   | -   |
|                             | 250×125×7.5                      |                    | 467      | 33             | 383            | 73   | 146      | 478         | 30 | 419    | 71       | 172         | 478 | 30   | 432      | 71          | 172 | 483   | 40  | 459 | 60  | 216 |
|                             | 300×150×10                       |                    | 479.5    | 27             | 383            | 98   | 152      | 490         | 24 | 419    | 96       | 178         | 490 | 24   | 432      | 96          | 178 | 495.5 | 34  | 459 | 85  | 222 |
| 450×175×13                  |                                  | -                  | -        | -              | -              | -    | -        | -           | -  | -      | -        | -           | -   | -    | -        | -           | 508 | 26    | 459 | 110 | 230 |     |
| Min. radius of curvature(m) |                                  |                    | 1.5      |                |                |      | 1.8      |             |    |        | 1.8      |             |     |      | 2.3      |             |     |       |     |     |     |     |
| Weight (approx.)(kg)        |                                  |                    | 296(288) |                |                |      | 378(378) |             |    |        | 508(510) |             |     |      | 730(738) |             |     |       |     |     |     |     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

5ton Hoist까지는 와이어로프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is 2 falls up to 5 ton. Please contact us, if 4 falls are required.

## Ordinary Type

**Creep Hoist With Motor-Driven Trolley(HM)**

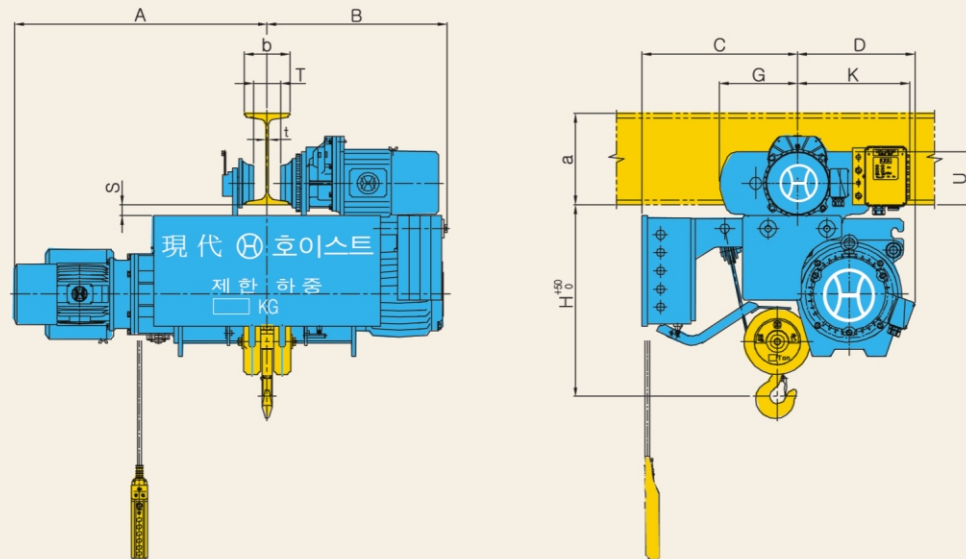
| Capacity (ton)              |                                  |                    |      | 7.5                                                            |                |     |      | 10                  |       |    |      | 15                   |     |     |        | 20                   |    |     |     |    |     |    |     |
|-----------------------------|----------------------------------|--------------------|------|----------------------------------------------------------------|----------------|-----|------|---------------------|-------|----|------|----------------------|-----|-----|--------|----------------------|----|-----|-----|----|-----|----|-----|
| Hoist                       | Lift Height(m)                   |                    |      | 12                                                             |                |     |      | 12                  |       |    |      | 12                   |     |     |        | 12                   |    |     |     |    |     |    |     |
|                             | Hoisting Speed (m/min)           | 50Hz               |      | 3.2/0.32                                                       |                |     |      | 3.8/0.38            |       |    |      | 3.8/0.38             |     |     |        | 3.5/0.35             |    |     |     |    |     |    |     |
|                             |                                  | High/Creep<br>60Hz |      | 3.8/0.38                                                       |                |     |      | 4.5/0.45            |       |    |      | 4.5/0.45             |     |     |        | 4.2/0.42             |    |     |     |    |     |    |     |
|                             | Hoisting Motor (kW×P) High/Creep |                    |      | 5.5/1×6                                                        |                |     |      | 9/1.1×8             |       |    |      | 13/1.8×8             |     |     |        | 17/1.8×8             |    |     |     |    |     |    |     |
|                             | Wire Rope                        | Construction       |      | 6×37                                                           |                |     |      | 6×Fi(25)            |       |    |      | 6×Fi(25)             |     |     |        | 6×37                 |    |     |     |    |     |    |     |
| Dia. (mm) ×No.of ropes      |                                  |                    | 14×4 |                                                                |                |     | 14×4 |                     |       |    | 18×4 |                      |     |     | 22.4×4 |                      |    |     |     |    |     |    |     |
| Brake                       |                                  |                    |      | DC magnet disc                                                 |                |     |      |                     |       |    |      |                      |     |     |        |                      |    |     |     |    |     |    |     |
| Traversing                  | Traversing Speed (m/min)         | High Speed         | 50Hz | 20                                                             |                |     |      | 13.3                |       |    |      | 12.5                 |     |     |        | 12.5                 |    |     |     |    |     |    |     |
|                             |                                  |                    | 60Hz | 24                                                             |                |     |      | 16                  |       |    |      | 15                   |     |     |        | 15                   |    |     |     |    |     |    |     |
|                             |                                  | Low Speed          | 50Hz | 13.3                                                           |                |     |      | 8.3                 |       |    |      | 8.3                  |     |     |        | 8.3                  |    |     |     |    |     |    |     |
|                             |                                  |                    | 60Hz | 16                                                             |                |     |      | 10                  |       |    |      | 10                   |     |     |        | 10                   |    |     |     |    |     |    |     |
|                             |                                  | Dual Speed         | 50Hz | 13.3/6.7                                                       |                |     |      | 13.3/6.7            |       |    |      | 12.5/6.25            |     |     |        | 12.5/6.25            |    |     |     |    |     |    |     |
|                             |                                  |                    | 60Hz | 16/8                                                           |                |     |      | 16/8                |       |    |      | 15/7.5               |     |     |        | 15/7.5               |    |     |     |    |     |    |     |
|                             | Traversing Motor (kW×P)          | High Speed         |      | 0.75×4(2Units)                                                 |                |     |      | 0.75×4(2Units)      |       |    |      | 1.5×4(2Units)        |     |     |        | 1.5×4(2Units)        |    |     |     |    |     |    |     |
|                             |                                  | Low Speed          |      | 0.5×6(2Units)                                                  |                |     |      | 0.5×6(2Units)       |       |    |      | 1×6(2Units)          |     |     |        | 1×6(2Units)          |    |     |     |    |     |    |     |
|                             |                                  | Dual Speed         |      | 0.8/0.4×4/8(2Units)                                            |                |     |      | 0.8/0.4×4/8(2Units) |       |    |      | 1.5/0.75×4/8(2Units) |     |     |        | 1.5/0.75×4/8(2Units) |    |     |     |    |     |    |     |
|                             | Brake                            |                    |      |                                                                | DC magnet disc |     |      |                     |       |    |      |                      |     |     |        |                      |    |     |     |    |     |    |     |
| Dimension (approx.) (mm)    | H                                |                    |      | 1460                                                           |                |     |      | 1520                |       |    |      | 1875                 |     |     |        | 2115                 |    |     |     |    |     |    |     |
|                             | A                                |                    |      | 1165                                                           |                |     |      | 1276                |       |    |      | 1371                 |     |     |        | 1495                 |    |     |     |    |     |    |     |
|                             | B                                |                    |      | 852                                                            |                |     |      | 951.5               |       |    |      | 1128                 |     |     |        | 1184                 |    |     |     |    |     |    |     |
|                             | D                                |                    |      | 475                                                            |                |     |      | 550                 |       |    |      | 618                  |     |     |        | 648                  |    |     |     |    |     |    |     |
|                             | G                                |                    |      | 800                                                            |                |     |      | 670                 |       |    |      | 700                  |     |     |        | 730                  |    |     |     |    |     |    |     |
|                             | K                                |                    |      | 349                                                            |                |     |      | 340                 |       |    |      | 403.5                |     |     |        | 403.5                |    |     |     |    |     |    |     |
|                             | J                                |                    |      | 275                                                            |                |     |      | 275                 |       |    |      | 297.5                |     |     |        | 297.5                |    |     |     |    |     |    |     |
| I-beam and Spacing (mm)     | a×b×t                            |                    |      | C                                                              | S              | F   | T    | U                   | C     | S  | F    | T                    | U   | C   | S      | F                    | T  | U   | C   | S  | F   | T  | U   |
|                             | 300×150×10                       |                    |      | 495.5                                                          | 34             | 464 | 85   | 222                 | 498.5 | 34 | 545  | 64.5                 | 222 | -   | -      | -                    | -  | -   | -   | -  | -   | -  | -   |
|                             | 450×175×13                       |                    |      | 508                                                            | 26             | 464 | 110  | 230                 | 511   | 26 | 545  | 89.5                 | 230 | 606 | 19     | 609.5                | 75 | 249 | 606 | 19 | 663 | 75 | 249 |
|                             | 600×190×13                       |                    |      | -                                                              | -              | -   | -    | -                   | -     | -  | -    | -                    | -   | 615 | 20     | 609.5                | 90 | 248 | 615 | 20 | 663 | 90 | 248 |
| Min. radius of curvature(m) |                                  |                    |      | For straight rails only. Please contact us for the curved type |                |     |      |                     |       |    |      |                      |     |     |        |                      |    |     |     |    |     |    |     |
| Weight (approx.)(kg)        |                                  |                    |      | 1180                                                           |                |     |      | 1440                |       |    |      | 2180                 |     |     |        | 2890                 |    |     |     |    |     |    |     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



## Low-Head Type

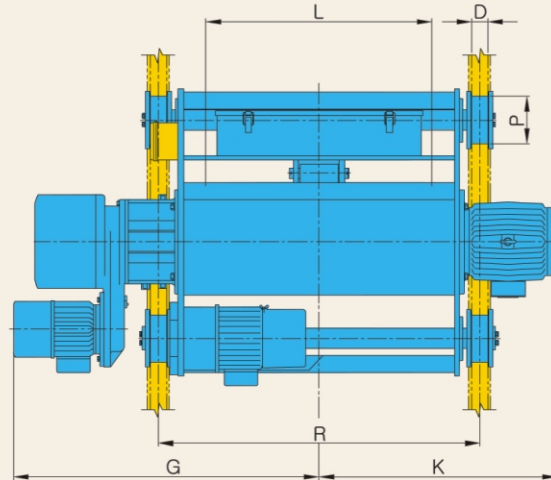
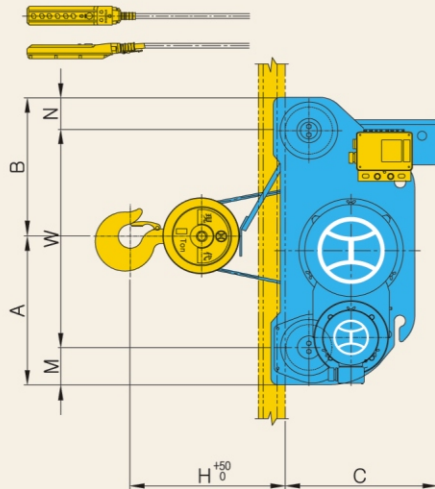
## Creep Hoist With Motor-Driven Trolley(HR)



| Capacity (ton)              |                                  |             |                        | 1              |                |     | 2         |             |     | 2.8, 3    |             |     | 5        |             |        |  |
|-----------------------------|----------------------------------|-------------|------------------------|----------------|----------------|-----|-----------|-------------|-----|-----------|-------------|-----|----------|-------------|--------|--|
| Hoist                       | Lift Height(m)                   |             |                        | 6              |                |     | 6         |             |     | 6         |             |     | 6        |             |        |  |
|                             | Hoisting Speed (m/min)           |             | 50Hz                   | 10/1           |                |     | 8.3/0.83  |             |     | 7.5/0.75  |             |     | 4.7/0.47 |             |        |  |
|                             |                                  |             | 60Hz                   | 12/1.2         |                |     | 10/1      |             |     | 9/0.9     |             |     | 5.6/0.56 |             |        |  |
|                             | Hoisting Motor (kW×P) High/Creep |             |                        | 2.2/0.4×4      |                |     | 3.7/0.4×4 |             |     | 5.5/1.1×4 |             |     | 5.5/1×6  |             |        |  |
|                             | Wire Rope                        |             | Construction           | 6×19           |                |     | 6×24      |             |     | 6×37      |             |     | 6×37     |             |        |  |
|                             |                                  |             | Dia. (mm) ×No.of ropes |                |                | 6×4 |           |             | 8×4 |           |             | 9×4 |          |             | 12.5×4 |  |
| Brake                       |                                  |             |                        | DC magnet disc |                |     |           |             |     |           |             |     |          |             |        |  |
| Traversing                  | Traversing Speed (m/min)         |             | High Speed             | 50Hz           | 20             |     |           | 20          |     |           | 20          |     |          | 20          |        |  |
|                             |                                  |             | High Speed             | 60Hz           | 24             |     |           | 24          |     |           | 24          |     |          | 24          |        |  |
|                             |                                  |             | Low Speed              | 50Hz           | 13.3           |     |           | 13.3        |     |           | 13.3        |     |          | 13.3        |        |  |
|                             |                                  |             | Low Speed              | 60Hz           | 16             |     |           | 16          |     |           | 16          |     |          | 16          |        |  |
|                             |                                  |             | Dual Speed             | 50Hz           | 13.3/6.7       |     |           | 13.3/6.7    |     |           | 13.3/6.7    |     |          | 13.3/6.7    |        |  |
|                             |                                  |             | Dual Speed             | 60Hz           | 16/8           |     |           | 16/8        |     |           | 16/8        |     |          | 16/8        |        |  |
|                             | Traversing Motor (kW×P)          |             | High Speed             |                | 0.75×4         |     |           | 0.75×4      |     |           | 0.75×4      |     |          | 0.75×4      |        |  |
|                             |                                  |             | Low Speed              |                | 0.5×6          |     |           | 0.5×6       |     |           | 0.5×6       |     |          | 0.5×6       |        |  |
|                             |                                  |             | Dual Speed             |                | 0.8/0.4×4/8    |     |           | 0.8/0.4×4/8 |     |           | 0.8/0.4×4/8 |     |          | 0.8/0.4×4/8 |        |  |
|                             | Brake                            |             |                        |                | DC magnet disc |     |           |             |     |           |             |     |          |             |        |  |
| Dimension (approx.) (mm)    |                                  | H           |                        | 550            |                |     | 570       |             |     | 585       |             |     | 760      |             |        |  |
|                             |                                  | A           |                        | 688            |                |     | 752       |             |     | 854       |             |     | 936      |             |        |  |
|                             |                                  | B           |                        | 489.5          |                |     | 552.5     |             |     | 548       |             |     | 623      |             |        |  |
|                             |                                  | C           |                        | 423            |                |     | 440       |             |     | 500       |             |     | 583      |             |        |  |
|                             |                                  | D           |                        | 319.5          |                |     | 375       |             |     | 393       |             |     | 465      |             |        |  |
|                             |                                  | G           |                        | 212            |                |     | 225       |             |     | 225       |             |     | 275      |             |        |  |
|                             |                                  | K           |                        | 304            |                |     | 314       |             |     | 314       |             |     | 349      |             |        |  |
| I-beam and Spacing (mm)     |                                  | a×b×t       |                        | S              | T              | U   | S         | T           | U   | S         | T           | U   | S        | T           | U      |  |
|                             |                                  | 200×100×7   |                        | 35             | 48             | 144 | 35        | 46          | 170 | 35        | 46          | 170 | —        | —           | —      |  |
|                             |                                  | 250×125×7.5 |                        | 33             | 73             | 146 | 33        | 71          | 172 | 33        | 71          | 172 | 40       | 60          | 216    |  |
|                             |                                  | 300×150×10  |                        | 27             | 98             | 152 | 27        | 96          | 178 | 27        | 96          | 178 | 34       | 85          | 222    |  |
|                             |                                  | 450×175×13  |                        | —              | —              | —   | —         | —           | —   | —         | —           | —   | 26       | 110         | 230    |  |
| Min. radius of curvature(m) |                                  |             |                        | 1.5            |                |     | 1.8       |             |     | 1.8       |             |     | 2.3      |             |        |  |
| Weight (approx.)(kg)        |                                  |             |                        | 332            |                |     | 498       |             |     | 622       |             |     | 810      |             |        |  |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

## Double Rail Type

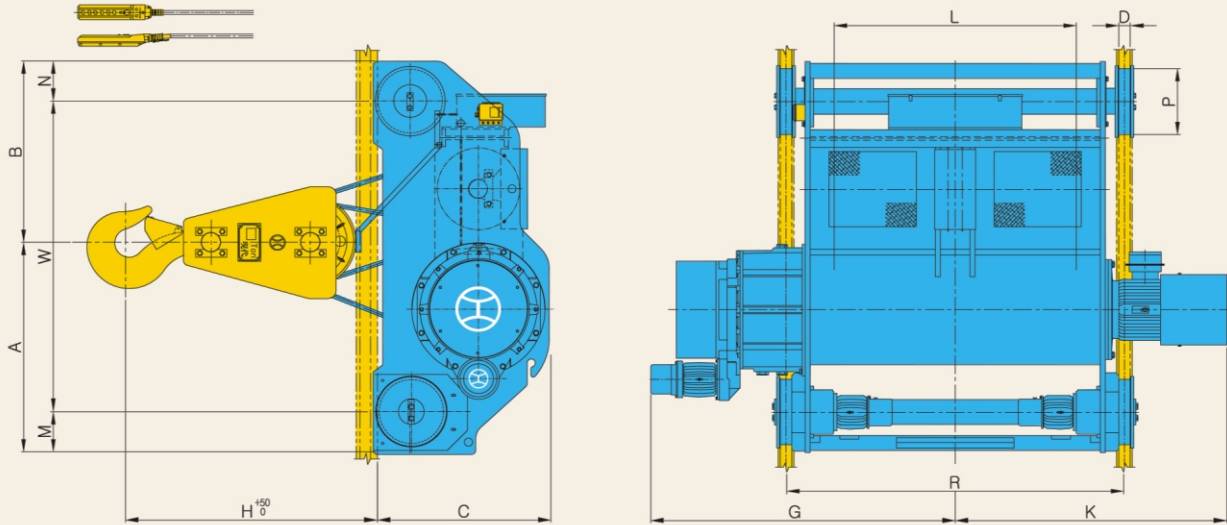
**Creep Hoist With Motor-Driven Trolley(HC)**

| Capacity (ton)       |                                  |                        | 2              | 2.8, 3         | 5           | 7.5         | 10          | 15          | 20           | 30           |                      |
|----------------------|----------------------------------|------------------------|----------------|----------------|-------------|-------------|-------------|-------------|--------------|--------------|----------------------|
| Hoist                | Lift Height(m)                   |                        | 12             | 12             | 12          | 12          | 12          | 12          | 12           | 12           |                      |
|                      | Hoisting Speed                   | 50Hz                   | 8.3/0.83       | 7.5/0.75       | 4.7/0.47    | 3.2/0.32    | 3.8/0.38    | 3.8/0.38    | 3.5/0.35     | 2.3/0.23     |                      |
|                      | (m/min)                          | 60Hz                   | 10/1           | 9/0.9          | 5.6/0.56    | 3.8/0.38    | 4.5/0.45    | 4.5/0.45    | 4.2/0.42     | 2.8/0.28     |                      |
|                      | Hoisting Motor (kW×P) High/Creep |                        | 3.7/0.4×4      | 5.5/1.1×4      | 5.5/1×6     | 5.5/1×6     | 9/1.1×8     | 13/1.8×8    | 17/1.8×8     | 17/1.8×8     |                      |
|                      | Wire Rope                        | Construction           | 6×24           | 6×37           | 6×37        | 6×37        | 6×Fi(25)    | 6×Fi(25)    | 6×37         | 6×37         |                      |
|                      |                                  | Dia. (mm) ×No.of ropes | 8×4            | 9×4            | 12.5×4      | 14×4        | 14×4        | 18×4        | 22.4×4       | 22.4×6       |                      |
| Brake                |                                  |                        | DC magnet disc |                |             |             |             |             |              |              |                      |
| Traversing           | Traversing Speed<br>(m/min)      | High Speed             | 50Hz           | 20             | 20          | 20          | 20          | 13.3        | 12.5         | 12.5         | 12.5                 |
|                      |                                  |                        | 60Hz           | 24             | 24          | 24          | 24          | 16          | 15           | 15           | 15                   |
|                      |                                  | Low Speed              | 50Hz           | 13.3           | 13.3        | 13.3        | 13.3        | 8.3         | 8.3          | 8.3          | 8.3                  |
|                      |                                  |                        | 60Hz           | 16             | 16          | 16          | 16          | 10          | 10           | 10           | 10                   |
|                      |                                  | Dual Speed             | 50Hz           | 13.3/6.7       | 13.3/6.7    | 13.3/6.7    | 13.3/6.7    | 13.3/6.7    | 12.5/6.25    | 12.5/6.25    | 12.5/6.25            |
|                      |                                  |                        | 60Hz           | 16/8           | 16/8        | 16/8        | 16/8        | 16/8        | 15/7.5       | 15/7.5       | 15/7.5               |
|                      | Traversing Motor<br>(kW×P)       | High Speed             |                | 0.75×4         | 0.75×4      | 0.75×4      | 0.75×4      | 0.75×4      | 1.5×4        | 1.5×4        | 1.5×4(2Units)        |
|                      |                                  | Low Speed              |                | 0.5×6          | 0.5×6       | 0.5×6       | 0.5×6       | 0.5×6       | 1×6          | 1×6          | 1×6(2Units)          |
|                      |                                  | Dual Speed             |                | 0.8/0.4×4/8    | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 1.5/0.75×4/8 | 1.5/0.75×4/8 | 1.5/0.75×4/8(2Units) |
|                      | Brake                            |                        |                | DC magnet disc |             |             |             |             |              |              |                      |
|                      | Dimension<br>(approx.)<br>(mm)   | H                      |                | 420            | 420         | 510         | 730         | 750         | 995          | 1175         | 1480                 |
|                      |                                  | R                      |                | 950            | 950         | 1150        | 1150        | 1150        | 1200         | 1300         | 1800                 |
|                      |                                  | A                      |                | 445            | 445         | 526         | 520         | 581         | 625          | 710          | 930                  |
| B                    |                                  | 410                    | 410            | 474            | 480         | 509         | 555         | 615         | 970          |              |                      |
| C                    |                                  | 457                    | 526            | 583            | 570         | 622.5       | 742         | 796         | 825          |              |                      |
| G                    |                                  | 904                    | 1018           | 1165           | 1165        | 1276        | 1371        | 1495        | 1755         |              |                      |
| K                    |                                  | 705                    | 712            | 852            | 852         | 951.5       | 1128        | 1184        | 1444         |              |                      |
| W                    |                                  | 650                    | 650            | 763            | 758         | 865         | 920         | 1000        | 1540         |              |                      |
| D                    |                                  | 47                     | 47             | 47             | 47          | 58          | 58          | 58          | 70           |              |                      |
| L                    |                                  | 728                    | 724            | 896            | 894         | 865         | 872         | 936         | 1456         |              |                      |
| M(N)                 |                                  | 112(93)                | 112(93)        | 135(102)       | 130(112)    | 125(100)    | 130(130)    | 185(140)    | 185(175)     |              |                      |
| P                    |                                  | 140                    | 140            | 165            | 165         | 165         | 180         | 220         | 250          |              |                      |
| Weight (approx.)(kg) |                                  |                        | 525            | 630            | 920         | 1076        | 1370        | 2010        | 2770         | 4120         |                      |
| Rail                 |                                  |                        | 15kg/m         | 15kg/m         | 15kg/m      | 15kg/m      | 15kg/m      | 22kg/m      | 22kg/m       | 30kg/m       |                      |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



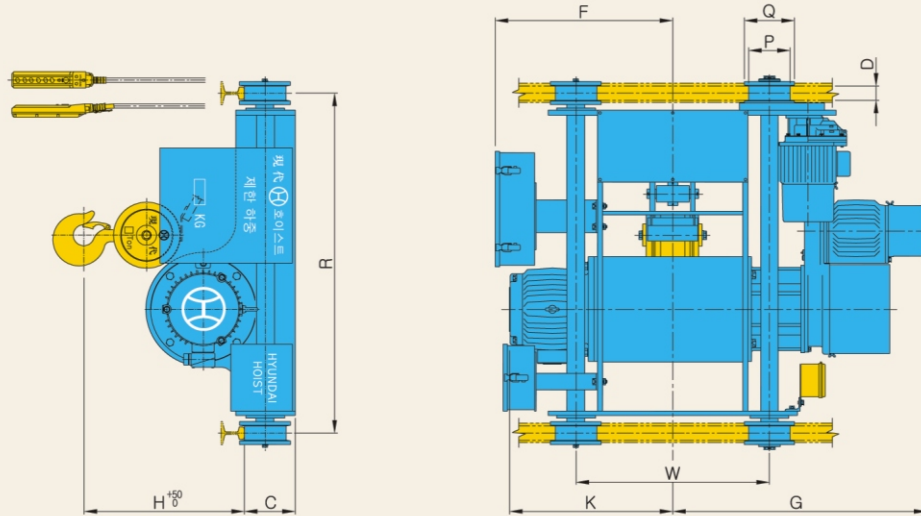
# Double Rail Type Creep Hoist With Motor-Driven Trolley(HC)



| Capacity (ton)                 |                             |              |      | 35             | 40, 50              | 60                  | 70                  |
|--------------------------------|-----------------------------|--------------|------|----------------|---------------------|---------------------|---------------------|
| Hoist                          | Lift Height(m)              |              |      | 12             | 12                  | 12                  | 12                  |
|                                | Hoisting Speed<br>(m/min)   | 50Hz         |      | 4/0.4          | 2.7/0.27            | 2/0.2               | 2/0.2               |
|                                |                             | 60Hz         |      | 4.8/0.48       | 3.2/0.32            | 2.4/0.24            | 2.4/0.24            |
|                                | Hoisting Motor (kW×P)       |              |      | 33/3.7×6/4     | 33/3.7×6/4          | 33/3.7×6/4          | 33/3.7×6/4          |
|                                | Wire Rope                   | Construction |      | 6×Fi(25)       | 6×Fi(25)            | 6×Fi(25)            | 6×Fi(25)            |
| Dia. (mm)×No. of ropes         |                             | 28×4         | 28×6 | 28×8           | 28×8                |                     |                     |
| Brake                          |                             |              |      | DC magnet disc |                     |                     |                     |
| Traversing                     | Traversing Speed<br>(m/min) | High Speed   | 50Hz | 12.5           | 12.5                | 12.5                | 12.5                |
|                                |                             |              | 60Hz | 15             | 15                  | 15                  | 15                  |
|                                |                             | Low Speed    | 50Hz | 8.3            | 8.3                 | 8.3                 | 8.3                 |
|                                |                             |              | 60Hz | 10             | 10                  | 10                  | 10                  |
|                                |                             | Dual Speed   | 50Hz | 12.5/6.25      | 12.5/6.25           | 12.5/6.25           | 12.5/6.25           |
|                                |                             |              | 60Hz | 15/7.5         | 15/7.5              | 15/7.5              | 15/7.5              |
|                                | Traversing Motor<br>(kW×P)  | High Speed   |      | 2.2×4          | 2.2×4(2Units)       | 2.2×4(2Units)       | 2.2×4(2Units)       |
|                                |                             | Low Speed    |      | 1.5×6          | 1.5×6(2Units)       | 1.5×6(2Units)       | 1.5×6(2Units)       |
|                                |                             | Dual Speed   |      | 2.2/1.1×4/8    | 2.2/1.1×4/8(2Units) | 2.2/1.1×4/8(2Units) | 2.2/1.1×4/8(2Units) |
|                                | Brake                       |              |      |                | DC magnet disc      |                     |                     |
| Dimension<br>(approx.)<br>(mm) | H                           |              |      | 1490           | 1680                | 1780                | 1780                |
|                                | R                           |              |      | 1600           | 2300                | 2800                | 2800                |
|                                | A                           |              |      | 1025           | 1432                | 1407                | 1407                |
|                                | B                           |              |      | 955            | 1243                | 1268                | 1268                |
|                                | C                           |              |      | 1027.5         | 1180                | 1205                | 1205                |
|                                | G                           |              |      | 1740           | 2065                | 2315                | 2315                |
|                                | K                           |              |      | 1520           | 1845                | 2095                | 2095                |
|                                | W                           |              |      | 1550           | 2125                | 2075                | 2075                |
|                                | L                           |              |      | 1020           | 1648                | 2002                | 2002                |
|                                | M(N)                        |              |      | 215(215)       | 275(275)            | 300(300)            | 300(300)            |
|                                | P                           |              |      | 355            | 450                 | 500                 | 500                 |
| D                              |                             |              | 70   | 80             | 80                  | 80                  |                     |
| Weight (approx.) (kg)          |                             |              |      | 5400           | 7200                | 9200                | 9200                |
| Rail                           |                             |              |      | 37ka/m         | 50ka/m              | 50ka/m              | 50ka/m              |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

# Double Special Type Creep Hoist With Motor-Driven Trolley(HT)



| Capacity (ton)       |                                 |                      |                | 2              | 2.8, 3      | 5           | 7.5         | 10          | 15           | 20           |  |
|----------------------|---------------------------------|----------------------|----------------|----------------|-------------|-------------|-------------|-------------|--------------|--------------|--|
| Hoist                | Lift Height(m)                  |                      |                | 6              | 6           | 6           | 6           | 6           | 6            | 8            |  |
|                      | Hoisting Speed(m/min)           | 50Hz                 | 8.3/0.83       | 7.5/0.75       | 4.7/0.47    | 3.2/0.32    | 3.8/0.38    | 3.8/0.38    | 3.5/0.35     |              |  |
|                      |                                 | 60Hz                 | 10/1           | 9/0.9          | 5.6/0.56    | 3.8/0.38    | 4.5/0.45    | 4.5/0.45    | 4.2/0.42     |              |  |
|                      | Hoisting Motor(kW×P) High/Creep |                      | 3.7/0.4×4      | 5.5/1.1×4      | 5.5/1×6     | 5.5/1×6     | 9/1.1×8     | 13/1.8×8    | 17/1.8×8     |              |  |
|                      | Wire Rope                       | Construction         | 6×24           | 6×37           | 6×37        | 6×37        | 6×Fi(25)    | 6×Fi(25)    | 6×37         |              |  |
|                      |                                 | Dia.(mm)×No.of ropes | 8×4            | 9×4            | 12.5×4      | 14×4        | 14×4        | 18×4        | 22.4×4       |              |  |
| Brake                |                                 |                      | DC magnet disc |                |             |             |             |             |              |              |  |
| Traversing           | Traversing Speed (m/min)        | High Speed           | 50Hz           | 20             | 20          | 20          | 20          | 13.3        | 12.5         | 12.5         |  |
|                      |                                 |                      | 60Hz           | 24             | 24          | 24          | 24          | 16          | 15           | 15           |  |
|                      |                                 | Low Speed            | 50Hz           | 13.3           | 13.3        | 13.3        | 13.3        | 8.3         | 8.3          | 8.3          |  |
|                      |                                 |                      | 60Hz           | 16             | 16          | 16          | 16          | 10          | 10           | 10           |  |
|                      |                                 | Dual Speed           | 50Hz           | 13.3/6.7       | 13.3/6.7    | 13.3/6.7    | 13.3/6.7    | 13.3/6.7    | 12.5/6.25    | 12.5/6.25    |  |
|                      |                                 |                      | 60Hz           | 16/8           | 16/8        | 16/8        | 16/8        | 16/8        | 15/7.5       | 15/7.5       |  |
|                      | Traversing Motor (kW×P)         | High Speed           |                | 0.75×4         | 0.75×4      | 0.75×4      | 0.75×4      | 0.75×4      | 1.5×4        | 1.5×4        |  |
|                      |                                 | Low Speed            |                | 0.5×6          | 0.5×6       | 0.5×6       | 0.5×6       | 0.5×6       | 1×6          | 1×6          |  |
|                      |                                 | Dual Speed           |                | 0.8/0.4×4/8    | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 0.8/0.4×4/8 | 1.5/0.75×4/8 | 1.5/0.75×4/8 |  |
|                      | Brake                           |                      |                | DC magnet disc |             |             |             |             |              |              |  |
|                      | Dimension (approx.) (mm)        | H                    |                | 495            | 495         | 525         | 890         | 935         | 1250         | 1460         |  |
| R                    |                                 | 950                  | 950            | 1150           | 1150        | 1150        | 1500        | 1700        |              |              |  |
| C                    |                                 | 170                  | 170            | 192.5          | 192.5       | 197.5       | 225         | 260         |              |              |  |
| G                    |                                 | 752                  | 854            | 936            | 936         | 1091        | 1196        | 1365        |              |              |  |
| K                    |                                 | 553                  | 548            | 623            | 623         | 768         | 953         | 1054        |              |              |  |
| F                    |                                 | 610                  | 598            | 631            | 631         | 672         | 835         | 919         |              |              |  |
| W                    |                                 | 694                  | 650            | 772            | 772         | 838         | 950         | 1200        |              |              |  |
| D                    |                                 | 47                   | 47             | 47             | 47          | 58          | 58          | 58          |              |              |  |
| Q                    |                                 | 170                  | 170            | 195            | 195         | 195         | 210         | 250         |              |              |  |
| P                    |                                 | 140                  | 140            | 165            | 165         | 165         | 180         | 220         |              |              |  |
| Weight (approx.)(kg) |                                 |                      | 490            | 640            | 865         | 1020        | 1330        | 1850        | 2690         |              |  |
| Rail                 |                                 |                      | 15kg/m         | 15kg/m         | 15kg/m      | 15kg/m      | 15kg/m      | 22kg/m      | 22kg/m       |              |  |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.





[ From the functional component to high precision technology ]

## MAIN & AUX

주권 및 보권으로 구성된 천자형식의 호이스트로, 동일한 트롤리 위에 안착되어 있습니다.

주권, 보권 용량별로 다양한 제품을 선택할 수 있습니다.

작업능률을 향상시킵니다.

작업조건에 따라 주권, 보권을 동시 또는 따로 작업하므로 작업능률이 향상됩니다.

전력손실이 적습니다.

작업물에 따라 주권, 보권을 선택 사용할 수 있으므로 전력손실이 적어 경제적입니다.

### SAME TROLLEY OF MAIN & AUX. HOIST

It is available to apply various type as per load capacity.

### ENCHANCING JOB EFFICIENCY

It is possible to enhance job efficiency operating individually or simultaneously Main hoist & Aux. hoist as per job condition.

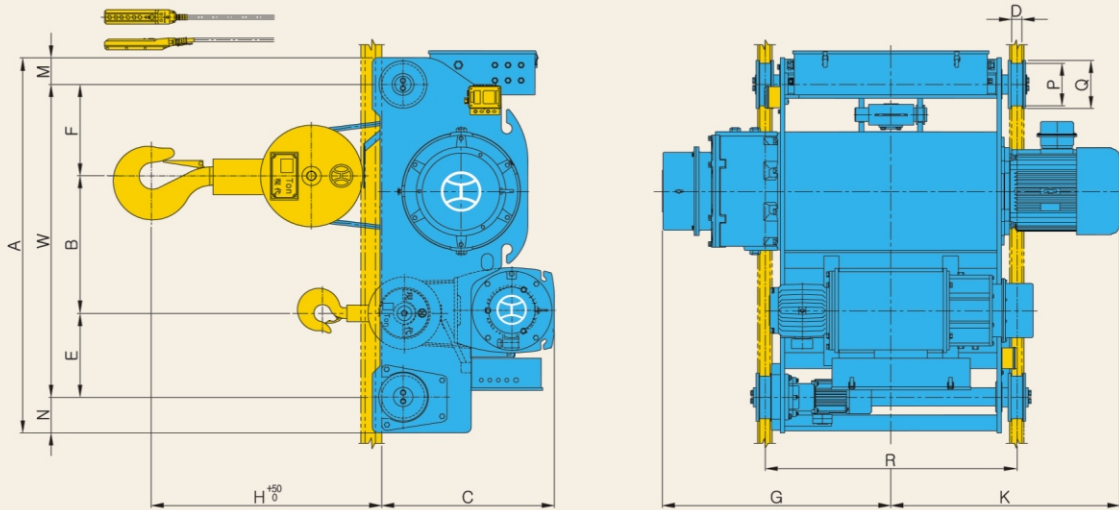
### MINIMIZING LOSS OF ELECTRIC POWER

It is economic to operate the proper hoist only subject to handling cargo.



# Main & Aux Type

## Hoist With Motor-Driven Trolley(HP)

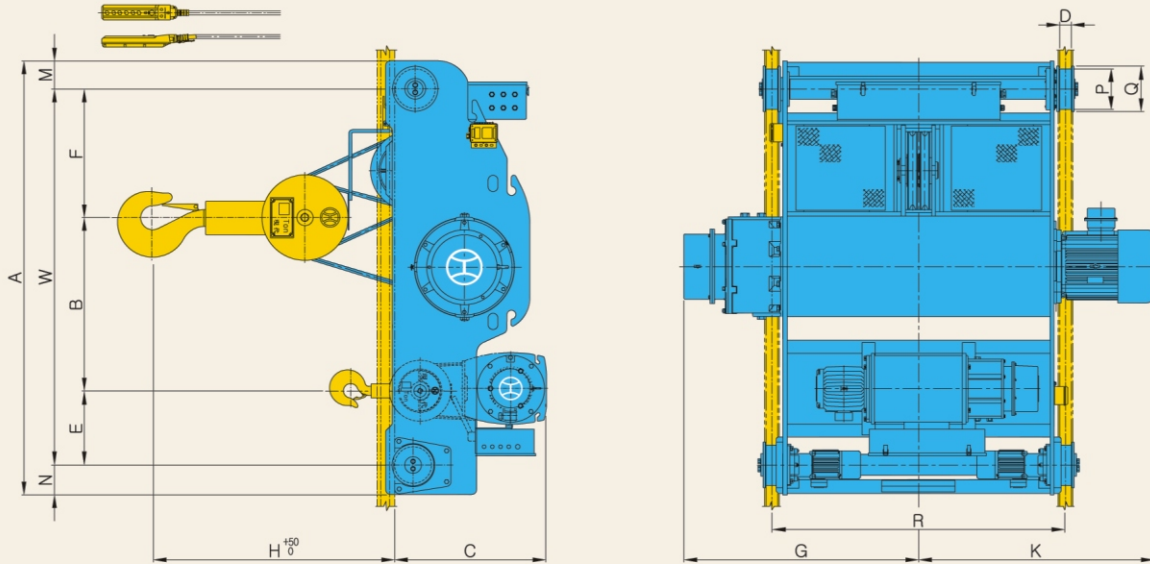


| Capacity (ton)                 |                             |               |        | 7.5/3          |        | 10/5     |        | 15/5     |       |
|--------------------------------|-----------------------------|---------------|--------|----------------|--------|----------|--------|----------|-------|
| Hoist                          | Lift Height(m)              |               |        | 12             |        | 12       |        | 12       |       |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50Hz   | 3.2            | 7.5    | 5        | 4.7    | 3.8      | 4.7   |
|                                |                             |               | 60Hz   | 3.8            | 9      | 6        | 5.6    | 4.5      | 5.6   |
|                                |                             | Low<br>Speed  | 50Hz   | 2.4            | 3.8    | 3.8      | 3.5    | 2.5      | 3.5   |
|                                |                             |               | 60Hz   | 2.9            | 4.5    | 4.5      | 4.2    | 3        | 4.2   |
|                                | Hoisting Motor<br>(kW×P)    | High Speed    |        | 5.5×6          | 5.5×4  | 13×6     | 5.5×6  | 13×8     | 5.5×6 |
|                                |                             | Low Speed     |        | 4.2×8          | 2.8×8  | 9×8      | 4.2×8  | 8.5×12   | 4.2×8 |
|                                | Wire Rope                   | Construction  |        | 6×37           | 6×37   | 6×Fi(25) | 6×37   | 6×Fi(25) | 6×37  |
| Dia.(mm)×No.of ropes           |                             | 14×4          | 12.5×2 | 14×4           | 16×2   | 18×4     | 16×2   |          |       |
| Traversing                     | Brake                       |               |        | DC magnet disc |        |          |        |          |       |
|                                | Traversing Speed<br>(m/min) | High<br>Speed | 50Hz   | 20             |        | 13.3     |        | 12.5     |       |
|                                |                             |               | 60Hz   | 24             |        | 16       |        | 15       |       |
|                                |                             | Low<br>Speed  | 50Hz   | 13.3           |        | 8.3      |        | 8.3      |       |
|                                |                             |               | 60Hz   | 16             |        | 10       |        | 10       |       |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |        | 0.75×4         |        | 0.75×4   |        | 1.5×4    |       |
|                                |                             | Low Speed     |        | 0.5×6          |        | 0.5×6    |        | 1×6      |       |
|                                | Brake                       |               |        | DC magnet disc |        |          |        |          |       |
| Dimension<br>(approx.)<br>(mm) | H                           |               | 730    | 330            | 750    | 400      | 995    | 325      |       |
|                                | R                           |               | 1150   |                | 1150   |          | 1200   |          |       |
|                                | A                           |               | 1570   |                | 1725   |          | 1860   |          |       |
|                                | B                           |               | 571    |                | 675.5  |          | 745    |          |       |
|                                | E                           |               | 389    |                | 415.5  |          | 430    |          |       |
|                                | F                           |               | 368    |                | 409    |          | 425    |          |       |
|                                | C                           |               | 690    |                | 797.5  |          | 870    |          |       |
|                                | G                           |               | 961    |                | 1001   |          | 1076   |          |       |
|                                | K                           |               | 852    |                | 951.5  |          | 1128   |          |       |
|                                | W                           |               | 1328   |                | 1500   |          | 1600   |          |       |
|                                | D                           |               | 47     |                | 58     |          | 58     |          |       |
|                                | N                           |               | 130    |                | 125    |          | 130    |          |       |
|                                | M                           |               | 112    |                | 100    |          | 130    |          |       |
|                                | P                           |               | 165    |                | 165    |          | 180    |          |       |
| Q                              |                             | 195           |        | 195            |        | 210      |        |          |       |
| Weight (approx.)(kg)           |                             |               | 1350   |                | 1845   |          | 2470   |          |       |
| Rail                           |                             |               | 15kg/m |                | 15kg/m |          | 22kg/m |          |       |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



# Main & Aux Type Hoist With Motor-Driven Trolley(HP)

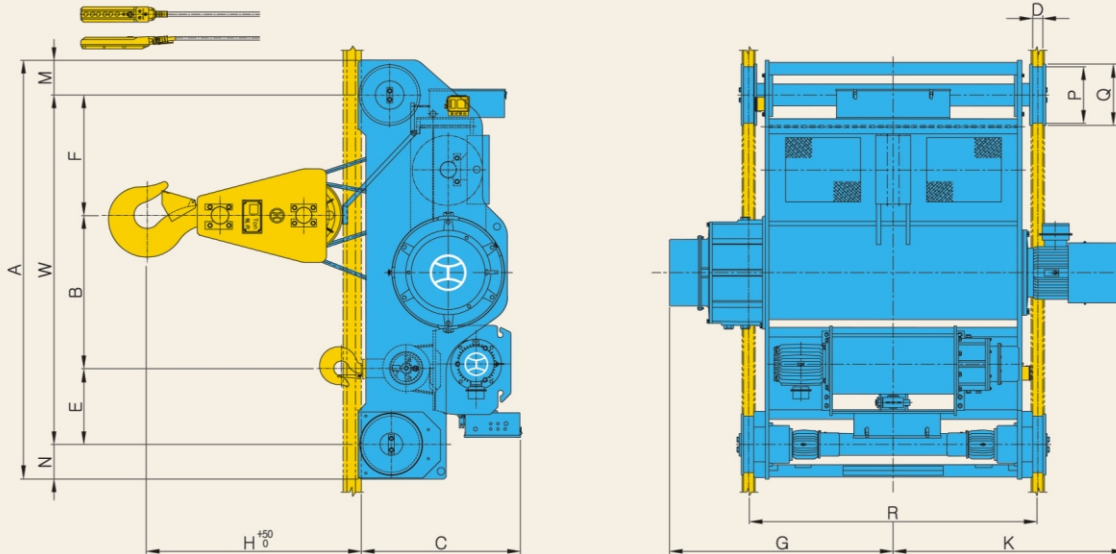


| Capacity (ton)                 |                             |               |        | 20/5           |        | 30/5          |        | 30/10         |          |
|--------------------------------|-----------------------------|---------------|--------|----------------|--------|---------------|--------|---------------|----------|
| Hoist                          | Lift Height(m)              |               |        | 12             |        | 12            |        | 12            |          |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50Hz   | 3.5            | 4.7    | 2.3           | 4.7    | 2.3           | 5        |
|                                |                             |               | 60Hz   | 4.2            | 5.6    | 2.8           | 5.6    | 2.8           | 6        |
|                                |                             | Low<br>Speed  | 50Hz   | 2.3            | 3.5    | 1.5           | 3.5    | 1.5           | 3.8      |
|                                |                             |               | 60Hz   | 2.8            | 4.2    | 1.8           | 4.2    | 1.8           | 4.5      |
|                                | Hoisting Motor<br>(kW×P)    | High Speed    |        | 17×8           | 5.5×6  | 17×8          | 5.5×6  | 17×8          | 13×6     |
|                                |                             | Low Speed     |        | 11.5×12        | 4.2×8  | 11.5×12       | 4.2×8  | 11.5×12       | 9×8      |
|                                | Wire Rope                   | Construction  |        | 6×37           | 6×37   | 6×37          | 6×37   | 6×37          | 6×Fi(25) |
| Dia.(mm)×No.of ropes           |                             | 22.4×4        | 16×2   | 22.4×6         | 16×2   | 22.4×6        | 14×4   |               |          |
| Traversing                     | Brake                       |               |        | DC magnet disc |        |               |        |               |          |
|                                | Traversing Speed<br>(m/min) | High<br>Speed | 50Hz   | 12.5           |        | 12.5          |        | 12.5          |          |
|                                |                             |               | 60Hz   | 15             |        | 15            |        |               |          |
|                                |                             | Low<br>Speed  | 50Hz   | 8.3            |        | 8.3           |        | 8.3           |          |
|                                |                             |               | 60Hz   | 10             |        | 10            |        | 10            |          |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |        | 1.5×4          |        | 1.5×4(2Units) |        | 1.5×4(2Units) |          |
|                                |                             | Low Speed     |        | 1×6            |        | 1×6(2Units)   |        | 1×6(2Units)   |          |
| Brake                          |                             |               |        | DC magnet disc |        |               |        |               |          |
| Dimension<br>(approx.)<br>(mm) | H                           |               | 1175   | 300            | 1480   | 275           | 1480   | 340           |          |
|                                | R                           |               | 1300   |                | 1800   |               | 1800   |               |          |
|                                | A                           |               | 1950   |                | 2680   |               | 2730   |               |          |
|                                | B                           |               | 715    |                | 1070   |               | 1025   |               |          |
|                                | E                           |               | 435    |                | 455    |               | 550    |               |          |
|                                | F                           |               | 475    |                | 795    |               | 795    |               |          |
|                                | C                           |               | 890    |                | 925    |               | 1070   |               |          |
|                                | G                           |               | 1179   |                | 1439   |               | 1439   |               |          |
|                                | K                           |               | 1184   |                | 1444   |               | 1444   |               |          |
|                                | W                           |               | 1625   |                | 2320   |               | 2370   |               |          |
|                                | D                           |               | 58     |                | 70     |               | 70     |               |          |
|                                | N                           |               | 185    |                | 185    |               | 185    |               |          |
|                                | M                           |               | 140    |                | 175    |               | 175    |               |          |
|                                | P                           |               | 220    |                | 250    |               | 250    |               |          |
| Q                              |                             | 250           |        | 280            |        | 280           |        |               |          |
| Weight (approx.)(kg)           |                             |               | 3200   |                | 4650   |               | 4950   |               |          |
| Rail                           |                             |               | 22kg/m |                | 30kg/m |               | 30kg/m |               |          |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

# Main & Aux Type

## Hoist With Motor-Driven Trolley(HP)

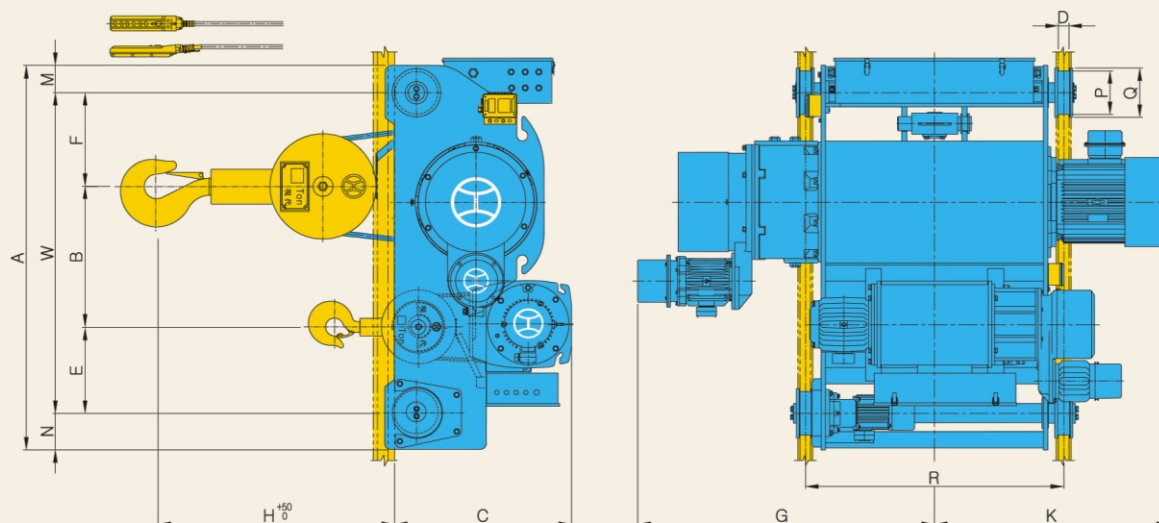


| Capacity (ton)                 |                             |            |      | 35/7.5         |                | 50/10         |          | 60/20         |        | 70/20         |        |
|--------------------------------|-----------------------------|------------|------|----------------|----------------|---------------|----------|---------------|--------|---------------|--------|
| Hoist                          | Lift Height(m)              |            |      | 12             |                | 12            |          | 12            |        | 12            |        |
|                                | Hoisting Speed<br>(m/min)   | High Speed | 50Hz | 4              | 3.2            | 2.7           | 5        | 2             | 3.5    | 2             | 3.5    |
|                                |                             |            | 60Hz | 4.8            | 3.8            | 3.2           | 6        | 2.4           | 4.2    | 2.4           | 4.2    |
|                                |                             | Low Speed  | 50Hz | 2.4            |                | 3.7           |          | 2.3           |        | 2.3           |        |
|                                |                             |            | 60Hz | 2.9            |                | 4.5           |          | 2.8           |        | 2.8           |        |
|                                | Hoisting Motor<br>(kW×P)    | High Speed |      | 33×6           | 5.5×6          | 33×6          | 13×6     | 33×6          | 17×8   | 33×6          | 17×8   |
|                                |                             | Low Speed  |      | 4.2×8          |                | 9×8           |          | 11.5×12       |        | 11.5×12       |        |
| Wire Rope                      | Construction                |            |      | 6×Fi(25)       | 6×37           | 6×Fi(25)      | 6×Fi(25) | 6×Fi(25)      | 6×37   | 6×Fi(25)      | 6×37   |
|                                | Dia.(mm)×No.of ropes        |            |      | 28×4           | 14×4           | 28×6          | 14×4     | 28×8          | 22.4×4 | 28×8          | 22.4×4 |
| Brake                          |                             |            |      | DC magnet disc |                |               |          |               |        |               |        |
| Traversing                     | Traversing Speed<br>(m/min) | High Speed | 50Hz | 12.5           |                | 12.5          |          | 12.5          |        | 12.5          |        |
|                                |                             |            | 60Hz | 15             |                | 15            |          | 15            |        |               |        |
|                                |                             | Low Speed  | 50Hz | 8.3            |                | 8.3           |          | 8.3           |        | 8.3           |        |
|                                |                             |            | 60Hz | 10             |                | 10            |          | 10            |        | 10            |        |
|                                | Traversing Motor<br>(kW×P)  | High Speed |      | 2.2×4          |                | 2.2×4(2Units) |          | 2.2×4(2Units) |        | 2.2×4(2Units) |        |
|                                |                             | Low Speed  |      | 1.5×6          |                | 1.5×6(2Units) |          | 1.5×6(2Units) |        | 1.5×6(2Units) |        |
|                                | Brake                       |            |      |                | DC magnet disc |               |          |               |        |               |        |
| Dimension<br>(approx.)<br>(mm) | H                           |            |      | 1490           | 420            | 1680          | 250      | 1780          | 310    | 1780          | 310    |
|                                | R                           |            |      | 1600           |                | 2300          |          | 2800          |        | 2800          |        |
|                                | A                           |            |      | 2680           |                | 3350          |          | 3525          |        | 3525          |        |
|                                | B                           |            |      | 936            |                | 1227          |          | 1307          |        | 1307          |        |
|                                | E                           |            |      | 574            |                | 605           |          | 650           |        | 650           |        |
|                                | F                           |            |      | 740            |                | 968           |          | 968           |        | 968           |        |
|                                | C                           |            |      | 1105           |                | 1279          |          | 1686          |        | 1686          |        |
|                                | G                           |            |      | 1458           |                | 1783          |          | 2033          |        | 2033          |        |
|                                | K                           |            |      | 1520           |                | 1845          |          | 2095          |        | 2095          |        |
|                                | W                           |            |      | 2250           |                | 2800          |          | 2925          |        | 2925          |        |
|                                | D                           |            |      | 70             |                | 70            |          | 80            |        | 80            |        |
|                                | N                           |            |      | 215            |                | 275           |          | 300           |        | 300           |        |
|                                | M                           |            |      | 215            |                | 275           |          | 300           |        | 300           |        |
|                                | P                           |            |      | 355            |                | 450           |          | 500           |        | 500           |        |
| Q                              |                             |            | 395  |                | 490            |               | 540      |               | 540    |               |        |
| Weight (approx.)(kg)           |                             |            |      | 6280           |                | 8200          |          | 11080         |        | 11080         |        |
| Rail                           |                             |            |      | 37kg/m         |                | 37.50kg/m     |          | 50kg/m        |        | 50kg/m        |        |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



# Main & Aux Creep Type Hoist With Motor-Driven Trolley(HQ)

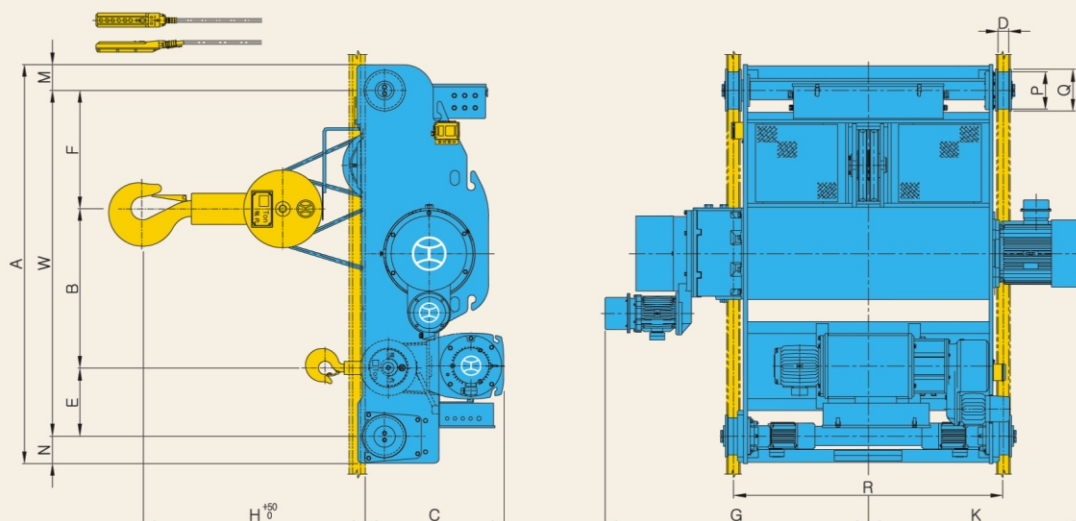


| Capacity (ton)        |                                     |                       |          | 7.5/3          |                | 10/5     |          | 15/5     |  |  |
|-----------------------|-------------------------------------|-----------------------|----------|----------------|----------------|----------|----------|----------|--|--|
| Hoist                 | Lift Height(m)                      |                       |          | 12             |                | 12       |          | 12       |  |  |
|                       | Hoisting Speed(m/min)<br>High/Creep | 50Hz                  | 3.2/0.32 | 7.5/0.75       | 3.8/0.38       | 4.7/0.47 | 3.8/0.38 | 4.7/0.47 |  |  |
|                       |                                     | 60Hz                  | 3.8/0.38 | 9/0.9          | 4.5/0.45       | 5.6/0.56 | 4.5/0.45 | 5.6/0.56 |  |  |
|                       | Hoisting Motor(kW×P) High/Creep     |                       | 5.5/1×6  | 5.5/1.1×4      | 9/1.1×8        | 5.5/1×6  | 13/1.8×8 | 5.5/1×6  |  |  |
|                       | Wire Rope                           | Construction          | 6×37     | 6×37           | 6×Fi(25)       | 6×37     | 6×Fi(25) | 6×37     |  |  |
|                       |                                     | Dia. (mm)×No.of ropes | 14×4     | 12.5×2         | 14×4           | 16×2     | 18×4     | 16×2     |  |  |
| Brake                 |                                     |                       |          | DC magnet disc |                |          |          |          |  |  |
| Traversing            | Traversing Speed<br>(m/min)         | High Speed            | 50Hz     | 20             | 13.3           | 12.5     |          |          |  |  |
|                       |                                     |                       | 60Hz     | 24             | 16             | 15       |          |          |  |  |
|                       |                                     | Low Speed             | 50Hz     | 13.3           | 8.3            | 8.3      |          |          |  |  |
|                       |                                     |                       | 60Hz     | 16             | 10             | 10       |          |          |  |  |
|                       | Traversing Motor<br>(kW×P)          | High Speed            |          | 0.75×4         | 0.75×4         | 1.5×4    |          |          |  |  |
|                       |                                     | Low Speed             |          | 0.5×6          | 0.5×6          | 1×6      |          |          |  |  |
|                       | Brake                               |                       |          |                | DC magnet disc |          |          |          |  |  |
|                       | Dimension<br>(approx.)<br>(mm)      | H                     | 730      | 330            | 750            | 400      | 995      | 325      |  |  |
| R                     |                                     | 1150                  | 1150     | 1200           |                |          |          |          |  |  |
| A                     |                                     | 1570                  | 1725     | 1860           |                |          |          |          |  |  |
| B                     |                                     | 571                   | 675.5    | 745            |                |          |          |          |  |  |
| E                     |                                     | 389                   | 415.5    | 430            |                |          |          |          |  |  |
| F                     |                                     | 368                   | 409      | 425            |                |          |          |          |  |  |
| C                     |                                     | 690                   | 797.5    | 870            |                |          |          |          |  |  |
| G                     |                                     | 1165                  | 1276     | 1371           |                |          |          |          |  |  |
| K                     |                                     | 862                   | 953      | 1128           |                |          |          |          |  |  |
| W                     |                                     | 1328                  | 1500     | 1600           |                |          |          |          |  |  |
| D                     |                                     | 47                    | 58       | 58             |                |          |          |          |  |  |
| N                     |                                     | 130                   | 125      | 130            |                |          |          |          |  |  |
| M                     |                                     | 112                   | 100      | 130            |                |          |          |          |  |  |
| P                     |                                     | 165                   | 165      | 180            |                |          |          |          |  |  |
| Q                     | 195                                 | 195                   | 210      |                |                |          |          |          |  |  |
| Weight (approx.) (kg) |                                     |                       |          | 1590           | 2208           | 2740     |          |          |  |  |
| Rail                  |                                     |                       |          | 15kg/m         | 15kg/m         | 22kg/m   |          |          |  |  |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

# Main & Aux Creep Type

## Hoist With Motor-Driven Trolley(HQ)

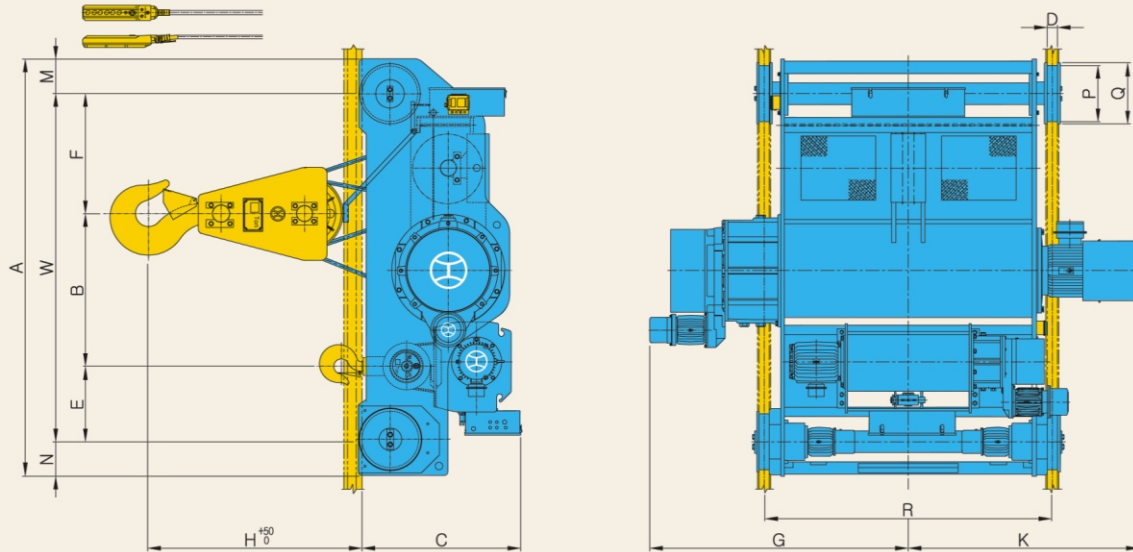


| Capacity (ton)                 |                                     |                      |            | 20/5           |                | 30/5          |          | 30/10         |          |
|--------------------------------|-------------------------------------|----------------------|------------|----------------|----------------|---------------|----------|---------------|----------|
| Hoist                          | Lift Height(m)                      |                      |            | 12             |                | 12            |          | 12            |          |
|                                | Hoisting Speed(m/min)<br>High/Creep |                      | 50Hz       | 3.5/0.35       | 4.7/0.47       | 2.3/0.23      | 4.7/0.47 | 2.3/0.23      | 3.8/0.38 |
|                                |                                     |                      | 60Hz       | 4.2/0.42       | 5.6/0.56       | 2.8/0.28      | 5.6/0.56 | 2.8/0.28      | 4.5/0.45 |
|                                | Hoisting Motor(kW×P)                |                      | High/Creep | 17/1.8×8       | 5.5/1×6        | 17/1.8×8      | 5.5/1×6  | 17/1.8×8      | 9/1.1×8  |
|                                | Wire Rope                           | Construction         |            | 6×37           | 6×37           | 6×37          | 6×37     | 6×37          | 6×F(25)  |
|                                |                                     | Dia.(mm)×No.of ropes |            | 22.4×4         | 16×2           | 22.4×6        | 16×2     | 22.4×6        | 14×4     |
| Brake                          |                                     |                      |            | DC magnet disc |                |               |          |               |          |
| Traversing                     | Traversing Speed<br>(m/min)         | High Speed           | 50Hz       | 12.5           |                | 12.5          |          | 12.5          |          |
|                                |                                     |                      | 60Hz       | 15             |                | 15            |          | 15            |          |
|                                |                                     | Low Speed            | 50Hz       | 8.3            |                | 8.3           |          | 8.3           |          |
|                                |                                     |                      | 60Hz       | 10             |                | 10            |          | 10            |          |
|                                | Traversing Motor<br>(kW×P)          | High Speed           |            | 1.5×4          |                | 1.5×4(2Units) |          | 1.5×4(2Units) |          |
|                                |                                     | Low Speed            |            | 1×6            |                | 1×6(2Units)   |          | 1×6(2Units)   |          |
|                                | Brake                               |                      |            |                | DC magnet disc |               |          |               |          |
| Dimension<br>(approx.)<br>(mm) | H                                   |                      |            | 1175           | 300            | 1480          | 275      | 1480          | 340      |
|                                | R                                   |                      |            | 1300           |                | 1800          |          | 1800          |          |
|                                | A                                   |                      |            | 1950           |                | 2680          |          | 2730          |          |
|                                | B                                   |                      |            | 715            |                | 1070          |          | 1025          |          |
|                                | E                                   |                      |            | 435            |                | 455           |          | 550           |          |
|                                | F                                   |                      |            | 475            |                | 795           |          | 795           |          |
|                                | C                                   |                      |            | 890            |                | 925           |          | 1070          |          |
|                                | G                                   |                      |            | 1495           |                | 1755          |          | 1755          |          |
|                                | K                                   |                      |            | 1184           |                | 1444          |          | 1444          |          |
|                                | W                                   |                      |            | 1625           |                | 2320          |          | 2370          |          |
|                                | D                                   |                      |            | 58             |                | 70            |          | 70            |          |
|                                | N                                   |                      |            | 185            |                | 185           |          | 185           |          |
|                                | M                                   |                      |            | 140            |                | 175           |          | 175           |          |
|                                | P                                   |                      |            | 220            |                | 250           |          | 250           |          |
|                                | Q                                   |                      |            | 250            |                | 280           |          | 280           |          |
| Weight (approx.) (kg)          |                                     |                      |            | 3500           |                | 4955          |          | 5250          |          |
| Rail                           |                                     |                      |            | 22kg/m         |                | 30kg/m        |          | 30kg/m        |          |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

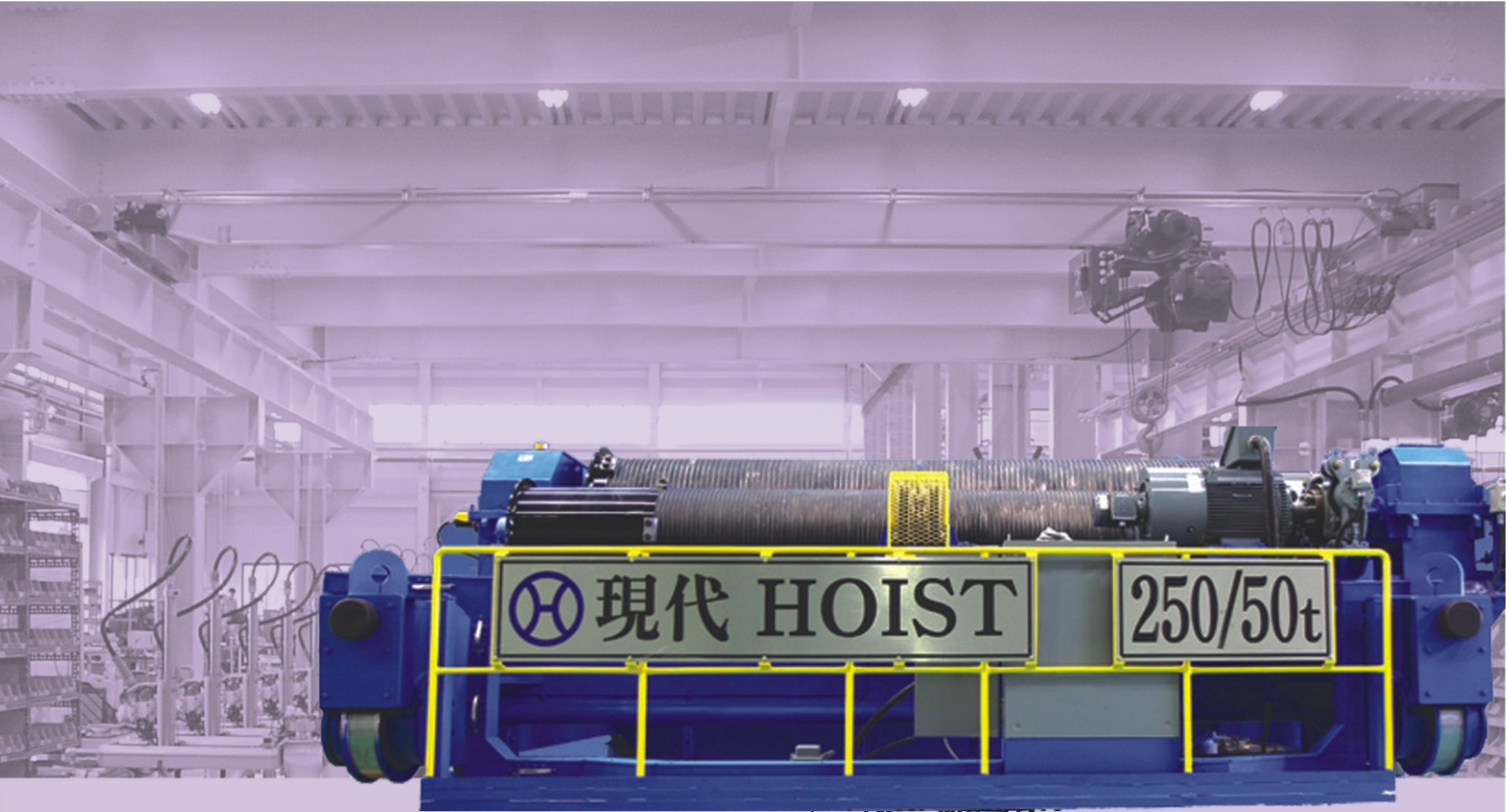


# Main & Aux Creep Type Hoist With Motor-Driven Trolley(HQ)



| Capacity (ton)           |                                 |                      |      | 35/7.5         |                | 50/10         |          | 60/20         |          | 70/20         |          |
|--------------------------|---------------------------------|----------------------|------|----------------|----------------|---------------|----------|---------------|----------|---------------|----------|
| Hoist                    | Lift Height(m)                  |                      |      | 12             |                | 12            |          | 12            |          | 12            |          |
|                          | Hoisting Speed(m/min)           |                      | 50Hz | 4/0.4          | 3.2/0.32       | 2.7/0.27      | 3.7/0.37 | 2/0.2         | 3.5/0.35 | 2/0.2         | 3.5/0.35 |
|                          | High/Creep                      |                      | 60Hz | 4.8/0.48       | 3.8/0.38       | 3.2/0.32      | 4.5/0.45 | 2.4/0.24      | 4.2/0.42 | 2.4/0.24      | 4.2/0.42 |
|                          | Hoisting Motor(kW×P) High/Creep |                      |      | 33/3.7×6/4     | 5.5/1×6        | 33/3.7×6/4    | 9/1.1×8  | 33/3.7×6/4    | 17/1.8×8 | 33/3.7×6/4    | 17/1.8×8 |
|                          | Wire Rope                       | Construction         |      | 6×Fi(25)       | 6×37           | 6×Fi(25)      | 6×Fi(25) | 6×Fi(25)      | 6×37     | 6×Fi(25)      | 6×37     |
|                          |                                 | Dia.(mm)×No.of ropes |      | 28×4           | 14×4           | 28×6          | 14×4     | 28×8          | 22.4×4   | 28×8          | 22.4×4   |
| Brake                    |                                 |                      |      | DC magnet disc |                |               |          |               |          |               |          |
| Traversing               | Traversing Speed (m/min)        | High Speed           | 50Hz | 12.5           |                | 12.5          |          | 12.5          |          | 12.5          |          |
|                          |                                 |                      | 60Hz | 15             |                | 15            |          | 15            |          | 15            |          |
|                          |                                 | Low Speed            | 50Hz | 8.3            |                | 8.3           |          | 8.3           |          | 8.3           |          |
|                          |                                 |                      | 60Hz | 10             |                | 10            |          | 10            |          | 10            |          |
|                          | Traversing Motor (kW×P)         | High Speed           |      | 2.2×4          |                | 2.2×4(2Units) |          | 2.2×4(2Units) |          | 2.2×4(2Units) |          |
|                          |                                 | Low Speed            |      | 1.5×6          |                | 1.5×6(2Units) |          | 1.5×6(2Units) |          | 1.5×6(2Units) |          |
|                          | Brake                           |                      |      |                | DC magnet disc |               |          |               |          |               |          |
| Dimension (approx.) (mm) | H                               |                      |      | 1490           | 200            | 1680          | 250      | 1780          | 310      | 1780          | 310      |
|                          | R                               |                      |      | 1600           |                | 2300          |          | 2800          |          | 2800          |          |
|                          | A                               |                      |      | 2680           |                | 3350          |          | 3525          |          | 3525          |          |
|                          | B                               |                      |      | 936            |                | 1227          |          | 1307          |          | 1307          |          |
|                          | E                               |                      |      | 574            |                | 605           |          | 650           |          | 650           |          |
|                          | F                               |                      |      | 740            |                | 968           |          | 968           |          | 968           |          |
|                          | C                               |                      |      | 1105           |                | 1279          |          | 1686          |          | 1686          |          |
|                          | G                               |                      |      | 1740           |                | 2065          |          | 2315          |          | 2315          |          |
|                          | K                               |                      |      | 1520           |                | 1845          |          | 2095          |          | 2095          |          |
|                          | W                               |                      |      | 2250           |                | 2800          |          | 2925          |          | 2925          |          |
|                          | D                               |                      |      | 70             |                | 80            |          | 80            |          | 80            |          |
|                          | N                               |                      |      | 215            |                | 275           |          | 300           |          | 300           |          |
|                          | M                               |                      |      | 215            |                | 275           |          | 300           |          | 300           |          |
|                          | P                               |                      |      | 355            |                | 450           |          | 500           |          | 500           |          |
| Q                        |                                 |                      | 395  |                | 490            |               | 540      |               | 540      |               |          |
| Weight (approx.)(kg)     |                                 |                      |      | 6610           |                | 8550          |          | 11440         |          | 11440         |          |
| Rail                     |                                 |                      |      | 37kg/m         |                | 50kg/m        |          | 50kg/m        |          | 50kg/m        |          |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



[With continuous passion on quality, we will be more manufacturing in the future.]



NEW PRODUCT

## HX TYPE 국내 최초 개발

새로운 형태의 NEW HOIST – OPEN WINCH (기존 HOIST, GRAB대체)  
(GRAB 대비 – 저비용, 고양정, 고빈도)

### 새로운 스타일의 강력한 감속기

고정밀, 고정도의 헬리칼치차 감속기를 장착하여 저소음, 저진동으로  
안전하고 강력한 하역 능력을 발휘합니다.

### 고양정, 고속의 호이스트

고양정, 고속으로 설계, 제작되어 고빈도 작업에도 운전이 원활하고 기계품 및  
전장품의 수명이 길어 보수 횟수가 적습니다.

### 보다 안전한 리미트 스위치

웜기어 방식의 리미트 스위치는 상한시 과권방지 기능은 물론,  
하한시 여유권수 이상 풀림방지 및 와이어 로프의 역상방지 기능을 추가하여  
안전성을 더욱 높였습니다.

### 권상 MOTION에 INVERTER 채택

권상부 SOFTER 기동, 정지로 정속성 향상 및 브레이크 내마모성 향상  
(다단속 기능)

### 횡행 MOTION에 INVERTER 채택

횡행 동작시에 보다 부드럽게 출발하여 운반시 흔들림이 덜하고  
안정감이 있습니다.

NEW design – OPEN WINCH (Switch over conventional hoist & grab)  
(Less costs with extended lifting height & duty service)

### FRESH EQUIPMENT IN NEW STYLE

For quiet operation and high performance in safe hoisting,  
precise helical gear reducer is introduced.

### EXTENDED LIFTING HIGHER IN HIGH-SPEED

Designed for extended lifting height in high speed with enhanced durability.

### ENHANCED LIMIT SWITCH

Worm gear type limit switch protects the hoist from over winding  
as well as lower limit protection

### INVERTER IN HOISTING

Quiet hoisting with soft start & stop with inverter, enhancing brake durability as well.

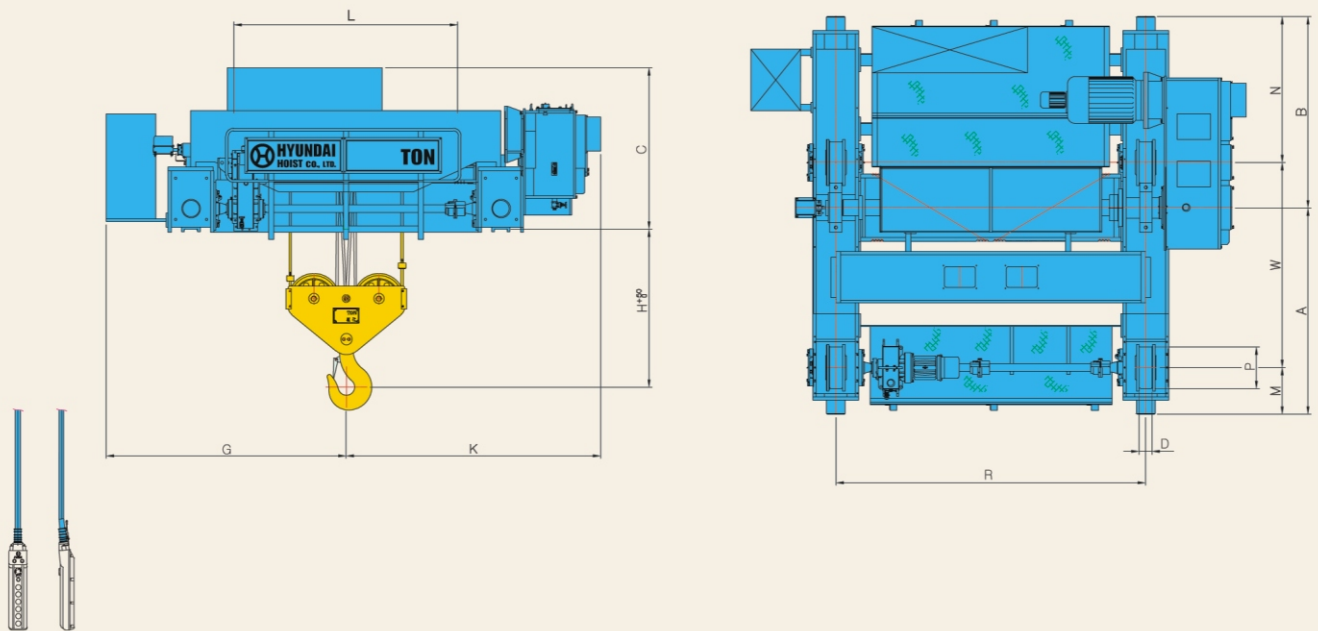
### SOFT MOTION IN TRAVERSING WITH INVERTER

Soft start & stop in cross travel with less rocking as well as improved stability.



# HX TYPE

## Hoist With Motor-Driven Trolley(HX)



| Capacity (ton)                 |                             |               |               | 7.5           | 10             | 15            | 20            | 100           | 100       |
|--------------------------------|-----------------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------|
| Hoist                          | Lift Height(m)              |               |               | 50            | 50             | 24            | 24            | 12(18)        | 24        |
|                                | Hoisting Speed<br>(m/min)   | High<br>Speed | 50Hz          | 6.6           | 6.6            | 3.3           | 3.3           | 1.9           | 1.9       |
|                                |                             |               | 60Hz          | 8             | 8              | 4             | 4             | 2.3           | 2.3       |
|                                |                             | Low<br>Speed  | 50Hz          | 4.5           | 4.5            | 2.25          | 2.25          | —             | —         |
|                                |                             |               | 60Hz          | 5.4           | 5.4            | 2.7           | 2.7           | —             | —         |
|                                | Hoisting Motor (kW×P)       |               |               | 17×8          | 17×8           | 17×8          | 17×8          | 45×6          | 45×6      |
|                                |                             |               |               | 11.5×12       | 11.5×12        | 11.5×12       | 11.5×12       | —             | —         |
| Wire Rope                      | Construction                |               | 6×Fi(29)+IWRC | 6×Fi(29)+IWRC | 6×Fi(29)+IWRC  | 6×Fi(29)+IWRC | 6×Fi(29)+IWRC | 6×Fi(29)+IWRC |           |
|                                | Dia.(mm)×No.of ropes        |               | 12.5×4        | 14×4          | 12.5×8         | 14×8          | 26×12         | 26×12         |           |
| Brake                          |                             |               |               | AC-DC Brake   |                |               |               |               |           |
| Traversing                     | Traversing Speed<br>(m/min) | High<br>Speed | 50Hz          | 20            | 20             | 20            | 20            | 12.5          | 12.5      |
|                                |                             |               | 60Hz          | 24            | 24             | 24            | 24            | 15            | 15        |
|                                |                             | Low<br>Speed  | 50Hz          | 13.3          | 13.3           | 13.3          | 13.3          | 8.3           | 8.3       |
|                                |                             |               | 60Hz          | 16            | 16             | 16            | 16            | 10            | 10        |
|                                | Traversing Motor<br>(kW×P)  | High Speed    |               | 1.5×4         | 1.5×4          | 1.5×4         | 1.5×4         | 3.7×4         | 3.7×4     |
|                                |                             | Low Speed     |               | 1.0×6         | 1.0×6          | 1.0×6         | 1.0×6         | 2.2×6         | 2.2×6     |
|                                | Brake                       |               |               |               | DC magnet disc |               |               |               |           |
| Dimension<br>(approx.)<br>(mm) | H                           |               |               | 800           | 800            | 880           | 950           | 1797          | 1797      |
|                                | R                           |               |               | 2200          | 2450           | 2200          | 2450          | 3000(3950)    | 4950      |
|                                | A                           |               |               | 1011          | 1015           | 1011          | 1015          | 1975          | 1975      |
|                                | B                           |               |               | 1022          | 1022           | 1022          | 1022          | 1447          | 1447      |
|                                | C                           |               |               | 1575          | 1575           | 1575          | 1575          | 1575          | 1575      |
|                                | G                           |               |               | 1806          | 2084           | 1961          | 2084          | 2269.5(2944)  | 3244.5    |
|                                | K                           |               |               | 1702          | 1829           | 1702          | 1829          | 2470(2945)    | 3445      |
|                                | W                           |               |               | 970           | 1000           | 970           | 1000          | 2000          | 2000      |
|                                | L                           |               |               | 1810          | 2056           | 1810          | 2056          | 2204(3154)    | 4154      |
|                                | M(N)                        |               |               | 191(872)      | 195(842)       | 191(872)      | 195(842)      | 415(1007)     | 415(1007) |
|                                | P                           |               |               | 160           | 200            | 160           | 200           | 400           | 400       |
| D                              |                             |               | 61            | 61            | 61             | 61            | 125           | 125           |           |
| Weight (approx.)(kg)           |                             |               |               | 2500          | 2600           | 2600          | 2700          | 11000(12000)  | 13000     |
| Rail(kg/m)                     |                             |               |               | 15.22         | 15.22          | 22            | 22            | 73            | 73        |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.



[ Our accumulated Know-how offers customer satisfaction ]

## EXPLOSION PROOF TYPE HOIST

### 내압 방폭지역에서 안전하게 사용할 수 있습니다.

내압 방폭지역에서 안전하게 사용할수 있는 방폭구조로 설계, 제작되어있어 화학공장 및 가스취급 공장등 폭발 위험이 있는 장소에서 안전한 운반작업으로 사용할 수 있는 제품입니다.

### 모든 기종에 적용할 수 있습니다.

방폭형 와이어 호이스트는 모노레일타입,더블레일타입,로우헤드타입,크립타입등 모든 기종에 적용할수 있습니다.

### BEING USED AT FLAMMABLE ENCLOSURE AREA SAFELY

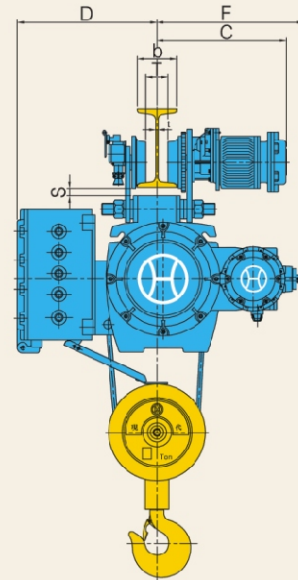
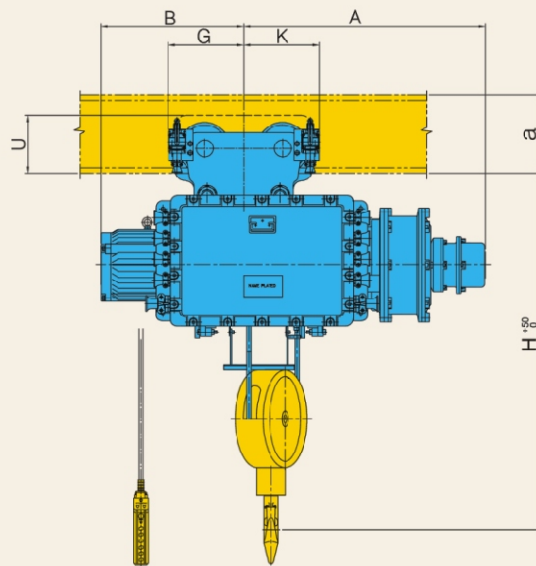
It is designed & produced as explosion proof structure that can be used at flammable enclosure area safely. So it is a hoist can be used for safe transport work at place which has any flammable danger like a chemical factory or gas treat work shop.

### APPLYING OUR ALL HOIST TYPES

The explosion proof wire rope hoist can applied our all hoist types like mono rail type, double rail type, low head type, creep type & etc.



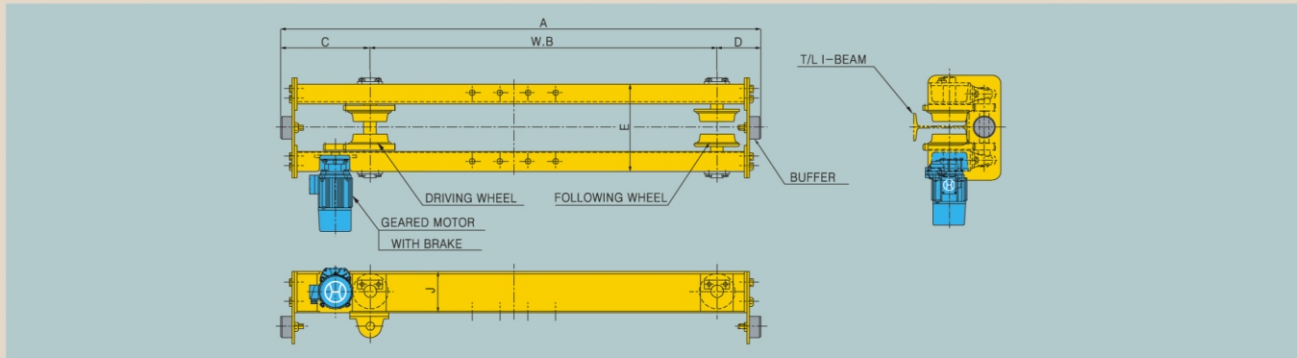
# EXPLOSION PROOF TYPE Hoist With Motor-driven Trolley(HE)



| TON                      |                          |      |              | 1              |                |       |        | 2        |     |    |        | 3        |     |     |        | 5        |    |     |                 | 7.5                     |       |       |                 | 10       |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|--------------------------|--------------------------|------|--------------|----------------|----------------|-------|--------|----------|-----|----|--------|----------|-----|-----|--------|----------|----|-----|-----------------|-------------------------|-------|-------|-----------------|----------|----|-------|----|------|-----|-----|-------|-------|-----|-----|-----|----|-------|--|--|--|--|--|--|--|
| Hoist                    | LIFT                     |      |              | 6(12)          |                |       |        | 6(12)    |     |    |        | 6(12)    |     |     |        | 6(12)    |    |     |                 | 12                      |       |       |                 | 12       |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | Hoisting Speed           | High | 50Hz         | 10             |                |       |        | 8.3      |     |    |        | 7.5      |     |     |        | 4.7      |    |     |                 | 3.2                     |       |       |                 | 5        |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          |      | 60Hz         | 12             |                |       |        | 10       |     |    |        | 9        |     |     |        | 5.6      |    |     |                 | 3.8                     |       |       |                 | 6        |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          | Low  | 50Hz         | 6.7            |                |       |        | 5        |     |    |        | 3.8      |     |     |        | 3.5      |    |     |                 | 2.4                     |       |       |                 | 3.8      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          |      | 60Hz         | 8              |                |       |        | 6        |     |    |        | 4.5      |     |     |        | 4.2      |    |     |                 | 2.9                     |       |       |                 | 4.5      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | Hoisting Motor (Kw×p)    |      | High         | 2.2×4          |                |       |        | 3.7×4    |     |    |        | 5.5×4    |     |     |        | 5.5×6    |    |     |                 | 5.5×6                   |       |       |                 | 13×6     |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          |      | Low          | 1.5×6          |                |       |        | 2.5×6    |     |    |        | 2.8×8    |     |     |        | 4.2×8    |    |     |                 | 4.2×8                   |       |       |                 | 9×8      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | Wire Rope                |      | Construction | 6×24           |                |       |        | 6×37     |     |    |        | 6×37     |     |     |        | 6×37     |    |     |                 | 6×37                    |       |       |                 | 6×Fi(25) |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| Dia.×No.of ropes         |                          |      | 8×2          |                |                |       | 10×2   |          |     |    | 12.5×2 |          |     |     | 16×2   |          |    |     | 14×4            |                         |       |       | 14×4            |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| Brake                    |                          |      |              | DC magnet disc |                |       |        |          |     |    |        |          |     |     |        |          |    |     |                 |                         |       |       |                 |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| Traversing               | Traversing Speed (m/min) | High | 50Hz         | 20             |                |       |        | 20       |     |    |        | 20       |     |     |        | 20       |    |     |                 | 20                      |       |       |                 | 12.5     |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          |      | 60Hz         | 24             |                |       |        | 24       |     |    |        | 24       |     |     |        | 24       |    |     |                 | 24                      |       |       |                 | 15       |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          | Low  | 50Hz         | 13.3           |                |       |        | 13.3     |     |    |        | 13.3     |     |     |        | 13.3     |    |     |                 | 13.3                    |       |       |                 | 8.3      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          |      | 60Hz         | 16             |                |       |        | 16       |     |    |        | 16       |     |     |        | 16       |    |     |                 | 16                      |       |       |                 | 10       |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | Traversing Motor (Kw×P)  | High | 0.75×4       |                |                |       | 0.75×4 |          |     |    | 0.75×4 |          |     |     | 0.75×4 |          |    |     | 0.75×4(2 Units) |                         |       |       | 0.75×4(2 Units) |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          |                          | Low  | 0.5×6        |                |                |       | 0.5×6  |          |     |    | 0.5×6  |          |     |     | 0.5×6  |          |    |     | 0.5×6(2 Units)  |                         |       |       | 0.5×6(2 Units)  |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | Brake                    |      |              |                | DC magnet disc |       |        |          |     |    |        |          |     |     |        |          |    |     |                 |                         |       |       |                 |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| Dimension (approx.) (mm) | H                        |      |              | 900            |                |       |        | 1045     |     |    |        | 1200     |     |     |        | 1410     |    |     |                 | 148                     |       |       |                 | 1535     |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | A                        |      |              | 442(490)       |                |       |        | 525(675) |     |    |        | 564(614) |     |     |        | 632(682) |    |     |                 | 561                     |       |       |                 | 672      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | B                        |      |              | 523(675)       |                |       |        | 517(567) |     |    |        | 577(727) |     |     |        | 586(736) |    |     |                 | 515                     |       |       |                 | 726      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | D                        |      |              | 456            |                |       |        | 488      |     |    |        | 535      |     |     |        | 553      |    |     |                 | 645                     |       |       |                 | 715      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | G                        |      |              | 212            |                |       |        | 225      |     |    |        | 225      |     |     |        | 275      |    |     |                 | 800                     |       |       |                 | 670      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | K                        |      |              | 212            |                |       |        | 225      |     |    |        | 225      |     |     |        | 275      |    |     |                 | 275                     |       |       |                 | 275      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | J                        |      |              | —              |                |       |        | —        |     |    |        | —        |     |     |        | —        |    |     |                 | 275                     |       |       |                 | 275      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| I-Beam and spacing (mm)  | a×b×t                    |      |              | C              | S              | F     | T      | U        | C   | S  | F      | T        | U   | C   | S      | F        | T  | U   | C               | S                       | F     | T     | U               | C        | S  | F     | T  | U    |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | 200×100×7                |      |              | 420            | 35             | 572   | 48     | 144      | 452 | 32 | 582    | 46       | 170 | 500 | 32     | 582      | 46 | 170 |                 |                         |       |       |                 |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | 250×125×7.5              |      |              | 420            | 33             | 584.5 | 73     | 146      | 452 | 30 | 584.5  | 71       | 172 | 500 | 30     | 584.5    | 71 | 172 | 535             | 40                      | 589.5 | 60    | 216             |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | 300×150×10               |      |              | 420            | 27             | 597   | 98     | 152      | 452 | 24 | 607    | 96       | 178 | 500 | 24     | 607      | 96 | 178 | 535             | 34                      | 612   | 85    | 222             | 620      | 34 | 612.5 | 85 | 222  | 675 | 34  | 615.5 | 64    | 222 |     |     |    |       |  |  |  |  |  |  |  |
|                          | 450×175×13               |      |              | —              |                |       |        | —        |     |    |        | —        |     |     |        | —        |    |     |                 | 535                     | 26    | 624.5 | 110             | 230      |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
|                          | 600×190×13               |      |              | —              |                |       |        | —        |     |    |        | —        |     |     |        | —        |    |     |                 |                         |       |       |                 |          |    |       |    |      |     | 640 | 26    | 632.5 | 125 | 230 | 595 | 26 | 635.5 |  |  |  |  |  |  |  |
| Min radius of curvature  |                          |      |              | 1.5            |                |       |        | 1.8      |     |    |        | 1.8      |     |     |        | 2.3      |    |     |                 | For straight rails only |       |       |                 |          |    |       |    |      |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |
| Weight                   |                          |      |              | 268(283)       |                |       |        | 359(383) |     |    |        | 470(503) |     |     |        | 740(782) |    |     |                 | 1304                    |       |       |                 |          |    |       |    | 1670 |     |     |       |       |     |     |     |    |       |  |  |  |  |  |  |  |

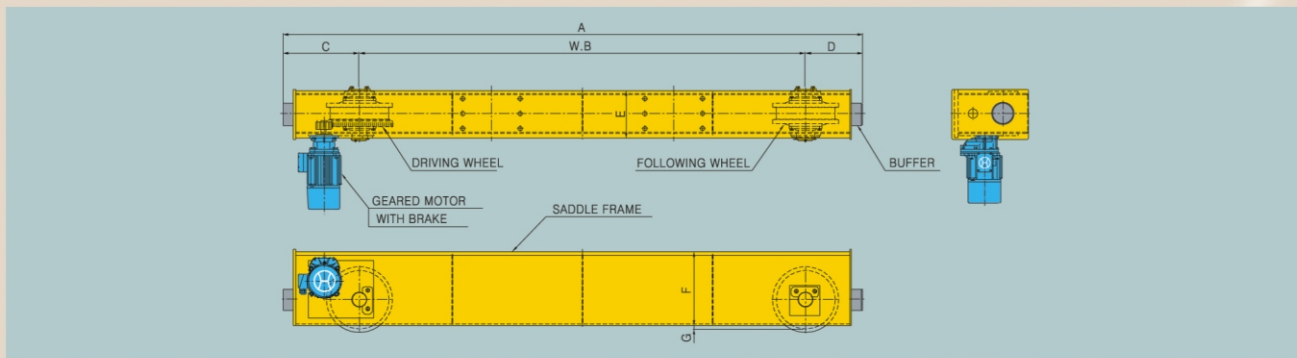
Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us for the hoist other than above listed specification.

## Suspension Type Saddle Unit



| Wheel Dia | Travelling Speed (m/min) |        | Motor (kw×P) | A    | W.B  | C   | D   | E   | J   | Travelling I-beam(mm) |
|-----------|--------------------------|--------|--------------|------|------|-----|-----|-----|-----|-----------------------|
| φ 125     | High                     | 50(Hz) | 18           | 1520 | 1000 | 340 | 180 | 320 | 150 | I-200×100×7t          |
|           |                          | 60(Hz) | 22           | 1770 | 1250 |     |     | 345 |     | I-250×125×7.5t        |
|           | Low                      | 50(Hz) | 13           | 2020 | 1500 |     |     | 370 |     | I-300×150×10t         |
|           |                          | 60(Hz) | 16           | 2270 | 1750 |     |     | 370 |     | I-400×150×10t         |
| φ 160     | High                     | 50(Hz) | 18           | 1620 | 1000 | 410 | 210 | 361 | 200 | I-250×125×7.5t        |
|           |                          | 60(Hz) | 22           | 1870 | 1250 |     |     | 386 |     | I-300×150×10t         |
|           | Low                      | 50(Hz) | 13           | 2120 | 1500 |     |     | 386 |     | I-400×150×10t         |
|           |                          | 60(Hz) | 16           | 2370 | 1750 |     |     | 411 |     | I-450×175×13t         |
| φ 180     | High                     | 50(Hz) | 20           | 1620 | 1000 | 410 | 210 | 395 | 250 | I-250×125×7.5t        |
|           |                          | 60(Hz) | 23           | 1870 | 1250 |     |     | 420 |     | I-300×150×10t         |
|           | Low                      | 50(Hz) | 13           | 2120 | 1500 |     |     | 420 |     | I-400×150×10t         |
|           |                          | 60(Hz) | 15           | 2370 | 1750 |     |     | 445 |     | I-450×175×13t         |

## Over Head Type Saddle Unit

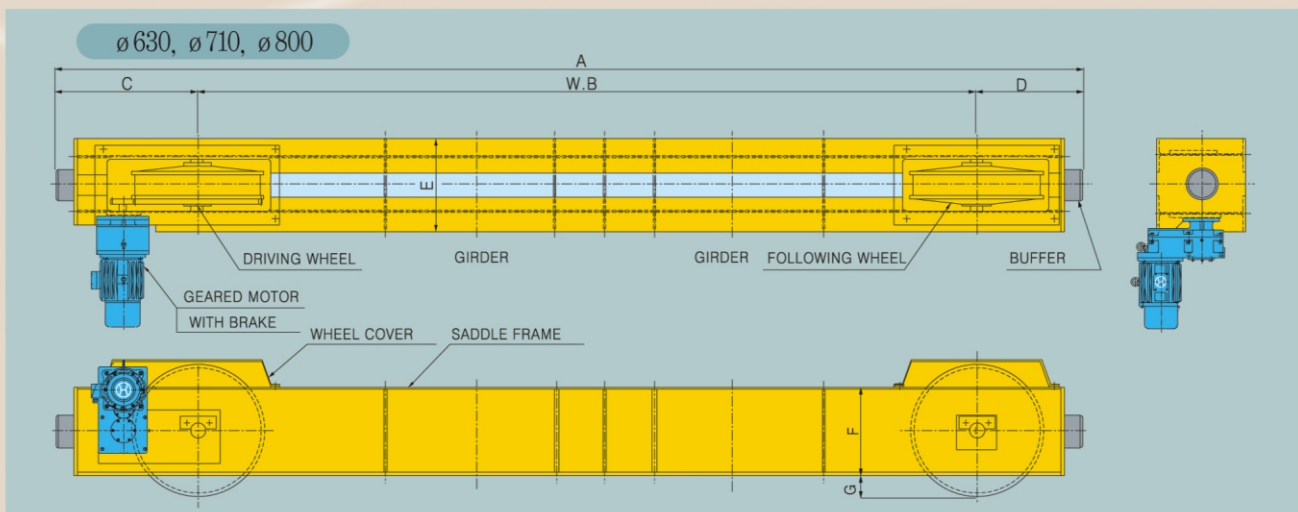
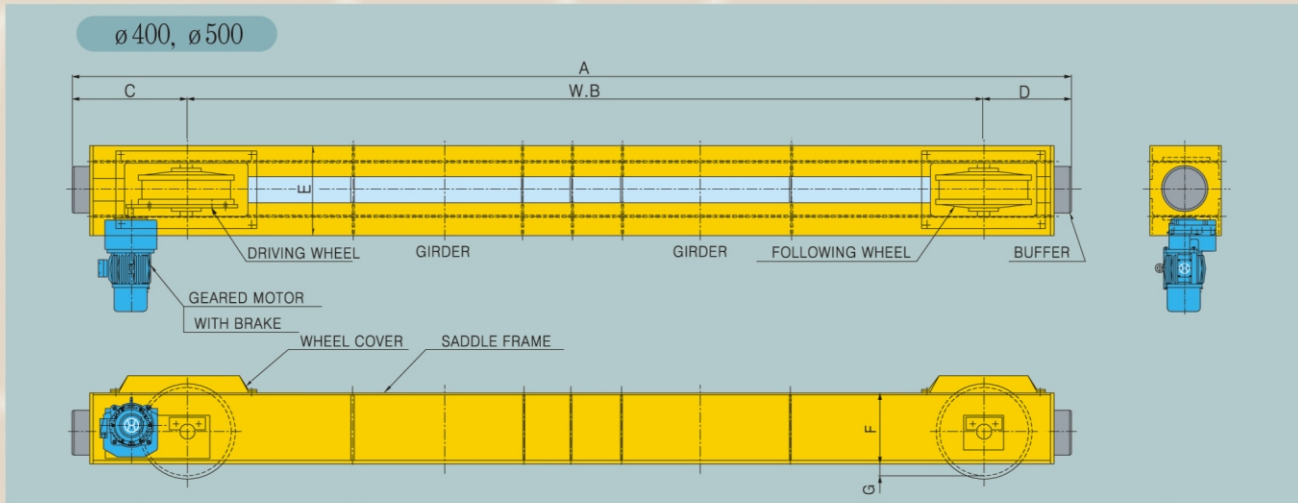


| Wheel Dia | Travelling Speed (m/min) |        | Motor (kw×P) | Rail(kg/m) | A    | W.B  | C   | D   | E   | F   | G  |
|-----------|--------------------------|--------|--------------|------------|------|------|-----|-----|-----|-----|----|
| φ 160     | High                     | 50(Hz) | 20           | 15, 22     | 2060 | 1500 | 360 | 200 | 210 | 240 | 20 |
|           |                          | 60(Hz) | 24           |            | 2560 | 2000 |     |     |     |     |    |
|           | Low                      | 50(Hz) | 13           |            | 3060 | 2500 |     |     |     |     |    |
|           |                          | 60(Hz) | 16           |            | 3560 | 3000 |     |     |     |     |    |
| φ 200     | High                     | 50(Hz) | 20           | 15, 22     | 2120 | 1500 | 360 | 260 | 210 | 300 | 20 |
|           |                          | 60(Hz) | 24           |            | 2620 | 2000 |     |     |     |     |    |
|           | Low                      | 50(Hz) | 13           |            | 3120 | 2500 |     |     |     |     |    |
|           |                          | 60(Hz) | 16           |            | 3620 | 3000 |     |     |     |     |    |
| φ 250     | High                     | 50(Hz) | 25           | 22, 30     | 2170 | 1500 | 390 | 280 | 210 | 350 | 20 |
|           |                          | 60(Hz) | 30           |            | 2670 | 2000 |     |     |     |     |    |
|           | Low                      | 50(Hz) | 17           |            | 3170 | 2500 |     |     |     |     |    |
|           |                          | 60(Hz) | 20           |            | 3670 | 3000 |     |     |     |     |    |
| φ 315     | High                     | 50(Hz) | 25           | 22, 30     | 2220 | 1500 | 410 | 310 | 260 | 400 | 20 |
|           |                          | 60(Hz) | 30           |            | 2720 | 2000 |     |     |     |     |    |
|           | Low                      | 50(Hz) | 17           |            | 3220 | 2500 |     |     |     |     |    |
|           |                          | 60(Hz) | 20           |            | 3720 | 3000 |     |     |     |     |    |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us if you require further information.



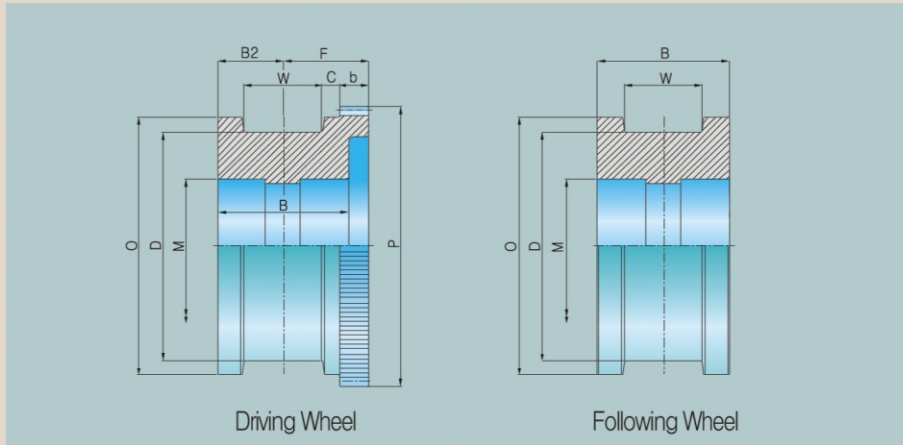
# Over Head Type Saddle Unit



| Wheel Dia | Travelling Speed (m/min) |        |    | Motor (kw×P) | Rail(kg/m) | A    | W.B  | C   | D   | E         | F         | G         |
|-----------|--------------------------|--------|----|--------------|------------|------|------|-----|-----|-----------|-----------|-----------|
| φ 400     | High                     | 50(Hz) | 25 | 2.2×4        | 30, 37     | 4050 | 3000 | 600 | 450 | 464 / 488 | 350 / 400 | 50        |
|           |                          | 60(Hz) | 30 |              |            | 4550 | 3500 |     |     |           |           |           |
|           | Low                      | 50(Hz) | 17 | 1.5×6        |            | 5050 | 4000 |     |     |           |           |           |
|           |                          | 60(Hz) | 20 |              |            | 5550 | 4500 |     |     |           |           |           |
| φ 500     | High                     | 50(Hz) | 25 | 2.2×4        | 30, 37     | 5150 | 4000 | 650 | 500 | 510 / 509 | 400 / 450 | 75        |
|           |                          | 60(Hz) | 30 |              |            | 5650 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz) | 17 | 1.5×6        |            | 6150 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz) | 20 |              |            | 6650 | 5500 |     |     |           |           |           |
| φ 630     | High                     | 50(Hz) | 25 | 3.7×4        | 30, 37     | 5200 | 4000 | 700 | 500 | 535 / 534 | 450 / 500 | 90 / 65   |
|           |                          | 60(Hz) | 30 |              |            | 5700 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz) | 17 | 2.2×6        |            | 6200 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz) | 20 |              |            | 6700 | 5500 |     |     |           |           |           |
| φ 710     | High                     | 50(Hz) | 25 | 3.7×4        | 30, 37     | 5400 | 4000 | 800 | 600 | 555 / 554 | 450 / 500 | 130 / 105 |
|           |                          | 60(Hz) | 30 |              |            | 5900 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz) | 17 | 2.2×6        |            | 6400 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz) | 20 |              |            | 6900 | 5500 |     |     |           |           |           |
| φ 800     | High                     | 50(Hz) | 25 | 3.7×4        | 30, 37     | 5500 | 4000 | 850 | 650 | 584       | 500       | 150       |
|           |                          | 60(Hz) | 30 |              |            | 6000 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz) | 17 | 2.2×6        |            | 6500 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz) | 20 |              |            | 7000 | 5500 |     |     |           |           |           |

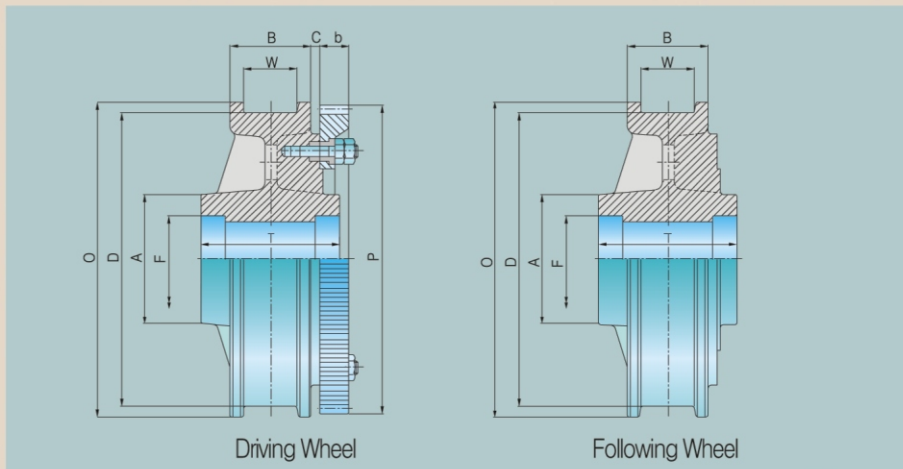
Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us if you require further information.

## Over Head Type Wheel Unit



| Gear Specification |        |              |
|--------------------|--------|--------------|
| Wheel Dia          | Module | Teeth Number |
| φ 160              | 4      | 48           |
| φ 200              | 4      | 58           |
| φ 250              | 5      | 57           |
| φ 315              | 5      | 70           |

| Wheel Dia | Material | W  | B   | b  | O     | C    | F  | P     | L   | M     | Bearing | Rail(kg/m) |
|-----------|----------|----|-----|----|-------|------|----|-------|-----|-------|---------|------------|
| φ 160     | S45C     | 63 | 110 | 25 | φ 190 | 8.5  | 65 | φ 200 | 240 | φ 110 | 6310ZZ  | 15         |
|           |          | 72 |     |    |       | 4    |    |       |     |       |         | 22         |
| φ 200     | S45C     | 63 | 110 | 25 | φ 230 | 8.5  | 65 | φ 240 | 300 | φ 120 | 6311ZZ  | 15         |
|           |          | 72 |     |    |       | 4    |    |       |     |       |         | 22         |
| φ 250     | S45C     | 63 | 110 | 25 | φ 280 | 8.5  | 65 | φ 295 | 350 | φ 130 | 6312ZZ  | 15         |
|           |          | 72 |     |    |       | 4    |    |       |     |       |         | 22         |
| φ 315     | SCM4     | 63 | 140 | 30 | φ 355 | 10.5 | 72 | φ 360 | 400 | φ 120 | 22213   | 15         |
|           |          | 72 |     |    |       | 6    |    |       |     |       |         | 22         |



| Gear Specification |        |              |
|--------------------|--------|--------------|
| Wheel Dia          | Module | Teeth Number |
| φ 400              | 6      | 70           |
| φ 500              | 6      | 86           |
| φ 630              | 8      | 83           |
| φ 710              | 10     | 71           |
| φ 800              | 10     | 80           |

| Wheel Dia | Material | W  | B   | b  | O     | F     | A     | P     | T   | C  | Bearing | Rail(kg/m) |
|-----------|----------|----|-----|----|-------|-------|-------|-------|-----|----|---------|------------|
| φ 400     | SCMn2A   | 85 | 130 | 50 | φ 440 | φ 130 | φ 190 | φ 432 | 220 | 16 | 22215   | 30, 37     |
| φ 500     | SCMn2A   | 90 | 135 | 50 | φ 540 | φ 150 | φ 220 | φ 528 | 234 | 16 | 22217   | 30, 37     |
| φ 630     | SCMn2A   | 90 | 135 | 60 | φ 670 | φ 180 | φ 250 | φ 680 | 260 | 16 | 22220   | 30, 37     |
| φ 710     | SCMn2A   | 90 | 135 | 60 | φ 740 | φ 200 | φ 270 | φ 730 | 280 | 16 | 22222   | 30, 37     |
| φ 800     | SCMn2A   | 90 | 140 | 70 | φ 840 | φ 215 | φ 310 | φ 820 | 300 | 20 | 22224   | 30, 37     |

Note : 상기 이외 비표준 사양은 당사로 문의 바랍니다. Please contact us if you require further information.







# MODEL CLASSIFICATION OF HOIST

## 호이스트 모델 분류법

HOIST 주문시 아래 □칸을 채워주십시오. Please fill it out when you inquire our hoist.

H 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A) **H** : HYUNDAI HOIST

B) **1** : HOIST 종류 / HOIST TYPE

N : ORDINARY TYPE      M : ORDINARY TYPE + CREEP  
D : DOUBLE-RAIL TYPE      C : DOUBLE-RAIL TYPE + CREEP  
L : LOW-HEAD TYPE      R : LOW-HEAD TYPE + CREEP  
S : DOUBLE SPECIAL TYPE      T : DOUBLE SPECIAL TYPE + CREEP  
P : MAIN WITH AUX(천자) TYPE      Q : MAIN WITH AUX(천자) TYPE + CREEP

C) **2 3 4** : 용량 / MAIN HOIST CAPACITY

001 : 1T      025 : 25T  
002 : 2T      030 : 30T  
028 : 2.8T      035 : 35T  
003 : 3T      040 : 40T  
005 : 5T      050 : 50T  
007 : 7.5T      060 : 60T  
010 : 10T      070 : 70T  
015 : 15T      080 : 80T  
020 : 20T      100 : 100T

D) **5** : 권상속도 / HOISTING SPEED

H : HIGH SPEED  
L : LOW SPEED  
P : POLE CHANGE SPEED(DUAL SPEED)  
Z : 비표준 SPEED / NON-STANDARD SPEED

E) **6 7** : 양정 / HOIST LIFT

F) **8** : 횡행 구동방법 / TROLLEY TYPE

M : MOTOR DRIVEN TROLLEY  
G : GEARED TROLLEY  
P : HAND PUSH TROLLEY

G) **9** : 횡행 속도 / TROLLEY SPEED

H : HIGH SPEED  
L : LOW SPEED  
P : POLE CHANGE SPEED(DUAL SPEED)  
Z : 비표준 SPEED / NON-STANDARD SPEED

H) **10** : 주전원 / MAIN POWER VOLTAGE

1 : 220V 50Hz      2 : 220V 60Hz      3 : 380V 60Hz  
4 : 440V 60Hz      5 : 460V 60Hz      6 : 480V 60Hz  
7 : 380V 50Hz      8 : 415V 50Hz      9 : 460V 50Hz  
0 : 480V 50Hz      A : 440V 50Hz      B : 575V 60Hz  
C : 400V 50Hz      D : 200V 50Hz

I) **11** : 조작전원 / CONTROL VOLTAGE

A : AC 220V      F : DC 48V  
B : AC 110V      G : DC 24V  
C : AC 48V      H : DC 12V  
D : AC 24V      I : 특수사양 / Special option  
E : AC 12V

J) **12** : HOIST 사용지역 / APPLICATION SITE

N : 보통지역 / NORMAL SITE  
W : 방수지역 / WATER-PROOFING SITE  
A : 내산지역 / ACID RESISTANCE SITE

K) **13** : PUSH-BUTTON POINT수 / POINT NUMBER OF PUSH-BUTTON

3 : 3P      A : 10P  
5 : 5P      B : 12P  
7 : 7P      Z : 비표준 / NON STANDARD SPECIAL OPTION

L) **14** : MOTOR 절연계급 / Insulation Class

| 기호<br>/ Code | 절연종류<br>/ Insulation group | 허용최고온도(°C)<br>/ Max. Operating temperature (°C) |
|--------------|----------------------------|-------------------------------------------------|
| Y            | Y종                         | 90                                              |
| A            | A종                         | 105                                             |
| E            | E종                         | 120                                             |
| B            | B종                         | 130                                             |
| F            | F종                         | 155                                             |
| H            | H종                         | 180                                             |
| C            | C종                         | 180초과 / Over 180                                |

M) **15** : 과부하 방지장치 / SAFETY DEVICE

L : LOAD LIMIER (DIGITAL TYPE)  
C : LOAD CELL

특기사항 / SPECIAL OPTION

Note : COLOR 사양은 당사 표준사양임.





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