

기술평가 우수벤처기업



KSA/ISO 9001 인증업체 CSA/US 인증업체

現代 호이스트

제한하중  
50,000KG

1001

*High Productivity With Hyundai Hoist*

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

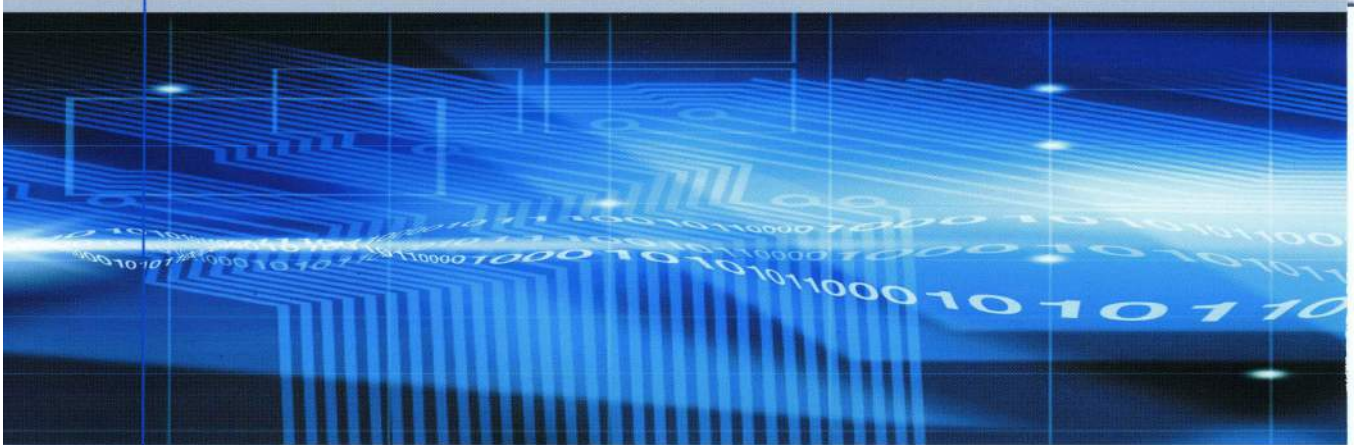
 **HYUNDAI HOIST**

20'000KG

제한하중

Greeting

# Greeting



21세기에 요구되는 새로운 호이스트로 거듭나겠습니다.

(주)현대호이스트는 업계 최초로 기술평가를 통하여 벤처기업 인증을 받은 명실공히 한국을 대표하는 호이스트, 크레인 전문회사입니다.

(주)현대호이스트는 지난 86년 설립 이후 연구소와 연계하여 꾸준한 기술 개발을 통한 제품의 품질 향상을 이룩하였고, 2003년에는 국내 최초로 100/60ton 호이스트를 개발 생산하였습니다. 또한 항만, 발전소, 산업현장 전반에 걸친 국가 기반 시설 사업에도 일익을 담당하고 있으며, 전국적으로 30여개소에 이르는 A/S 센터에 의한 신속한 서비스로 고객분들이 불편없이 저희 제품을 사용할 수 있는 체제를 구축하였습니다.

(주)현대호이스트는 미주지역 수출을 위한 CSA 및 UL 승인을 아시아 최초로 획득하였고, 지속적인 수출을 통하여 저희의 제품이 세계 곳곳으로 수출되면서 국내뿐 아니라 해외에서도 인지도를 한층 더 높여가고 있습니다.

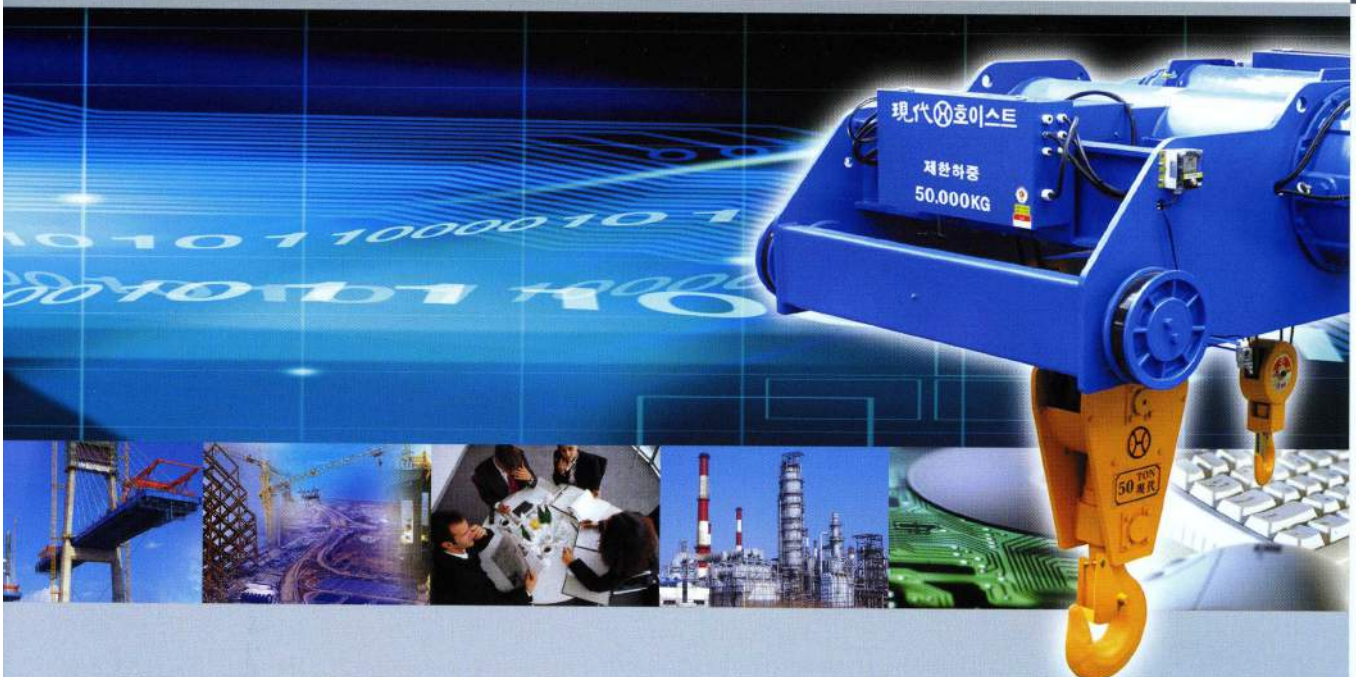
(주)현대호이스트는 지금까지의 결과에 만족하지 않고 "고객만족", "품질향상", "기술혁신"이란 사훈아래 신제품 개발에 끊임없이 도전할 것을 약속드립니다.

고객에 대한 감사한 마음은 지면으로 다 채울 수 없지만 이번 기회를 통하여 그동안 미흡한 폐사를 이끌어 주신 동종업계의 여러 선후배님들께 진심으로 감사드리며, 더욱더 많은 질책과 배전의 성원을 진심으로 부탁드립니다.

(주)현대호이스트  
임직원 일동

# The World Best Hoist

The World Best Hoist



We, Hyundai Hoist have been with the best leader of material handling fields & electric crane fields in Korea since we had started production 1986 year.

We are doing our best endeavor for Research & Development in order to provide with all of clients with best quality & service. As a result of such effort, we started to develop & produce ultra-heavy duty hoist like 100/60 ton Main/Aux. type hoist at 2003 year. And also, We have been contributing in the Nation basis facilities industry business like Harbors, Power Plant & other public industrial places.

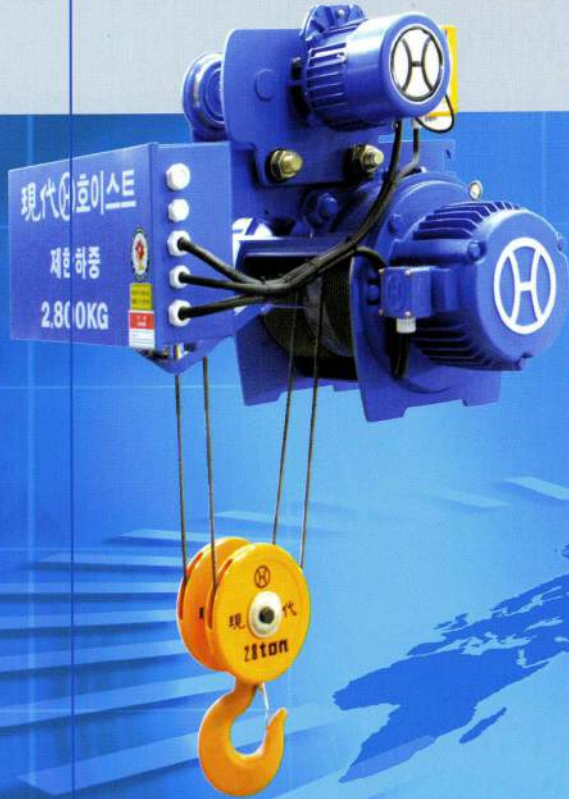
We equipped A/S center over 30 places throughout the nation and we are providing speediest service to all of clients without any inconvenience.

We have been making a good reputation at foreign markets as well as Local market since Hyundai Hoists approved by CSA & UL certificate first in Korea.

We promise that we will keep doing our best to contribute to entire client's requirement by best quality & service based on our motto; 'Client contentment', 'Quality up-grade' & 'Technology innovation'.

Yours truly  
Hyundai Hoist Co.,Ltd.

# MAIN PRODUCTS



## 주요품목

### HOIST

|                    |                      |
|--------------------|----------------------|
| Mono-Rail Type     | 1ton ~ 20ton         |
| Double-Rail Type   | 2ton ~ 140ton        |
| Low-Head Type      | 1ton ~ 7.5ton        |
| Creep Type         | 1ton ~ 140ton        |
| Cargo Lift Type    | 1ton ~ 70ton         |
| Main & Aux. Hoist  | 7.5/3ton ~ 140/70ton |
| High Lift Hoist    | 18mt ~ 60mt          |
| Double I-beam Type | 30mt ~ 50mt          |
| Chain Hoist        | 0.25ton ~ 5ton       |

### CRANES

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

### SADDLE & CRANE COMPONENTS

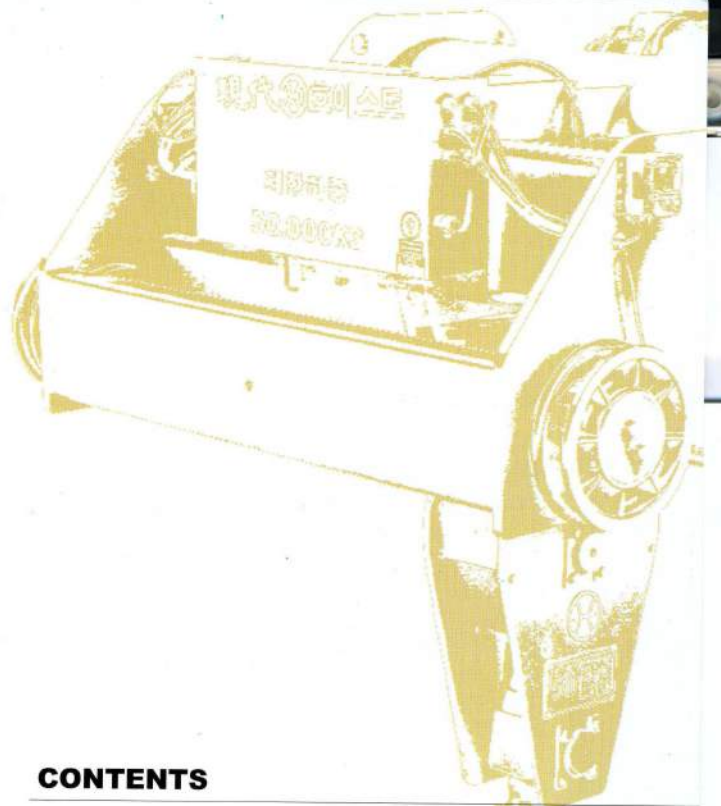
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| Saddle unit       | Over-head Type  |
|                   | Suspension Type |
| Wheel unit        | Over-head Type  |
|                   | Suspension Type |
| Geared motor      | 0.5kw ~ 3.7kw   |
| Soft starter      |                 |
| Over load limiter |                 |

### CRANE ATTACHMENTS

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

### TRANSFER CAR

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



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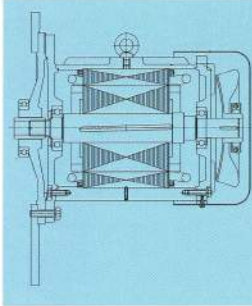
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# Hyundai Hoist's Basic Components & a Special Feature

OUTLINE OF YOUR DESIRABLE HOIST SYSTEM

## 귀사가 선정한 호이스트 시스템

### 권상모터 / HOISTING MOTOR



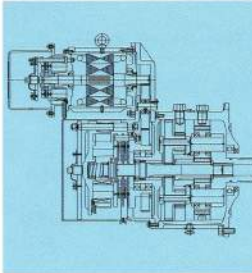
KSC-9621 규격에 준하여 반복정격 및 사용빈도가 높고 125% 부하시 작동 가능하게 설계·제작된 3상 농형 유도전동기로서 모터 용량이 13kw 미만은 T.E.N.V(냉각팬 미부착)타입과, 13kw 이상은 T.E.F.C(냉각팬 부착)타입을 사용하였습니다.

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 마그네트디스크로 전원에 의한 스프링의 빠른 응답 속도로 설계되어 있으며, 전원이 꺼질시 브레이크 작동이 되고 정격하중하에 제동시 미끄럼비율은 권상속도의 1% 미만이고, 브레이크토크는 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.

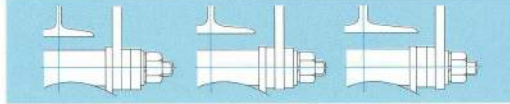
The brake torque suspend over 150% under the rated load weight.

### 권과방지장치 / UPPER LIMIT SWITCH

레버캠 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.

### 횡행차륜 / TROLLEY



트롤리 프레임폭은 모노레일 경우 I-beam(H-beam)폭에 따라 스페이서로 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 마그네트 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 안전작업이 보장되며 케이스는 폴리카보네이트 재질을 사용 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.

Ingress Protection group is 65 and 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 6코어로 나선 Z코일 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 특수강(S45C)을 사용, 기어연마 열처리로 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 structured hard surface layer, elastic inner layer.

Lubrication way apply oil batch type.

## 푸쉬버튼케이블 완충장치 / PUSH BUTTON CABLE SHOCK ABSORBER

버튼조작시 케이블을 당김으로 연결선의 이탈방지 및 케이블 보호를 위하여 스프링을 이용한 완충장치장치를 호이스트 모체에 설치하였습니다. 별개 동작용의 푸쉬버튼은 제외입니다.

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)

## 로드블록 및 훅크 / LOAD BLOCK AND SAFETY HOOK

쉬브, 사프트, 훅크빔, 훅크로 구성되며, 훅크는 정격하중시 인력으로 360도 회전 이 가능하며 안전고리가 내부방향으로 개방토록 되어 작업시 스링의 탈선을 방지 합니다.

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

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

모터와 결합된 감속기어는 감속비 및 모터용량에 맞게 설계되어 인칭 및 출발, 정지시 부드러운 운동을 할 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.

## 선택사항 / OPTIONAL DEVICE

### 과부하 방지장치 / LOAD LIMITER



adjusted upon the desirable load weight.

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

## 횡행 리미트 스위치 / TROLLEY LIMIT SWITCH

호이스트의 횡행시 스톱퍼 장치 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 고양정 또는 화물운반용 엘리베이터 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 최소화 하기 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, 30, 36, 42, 48mts 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>MS. 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

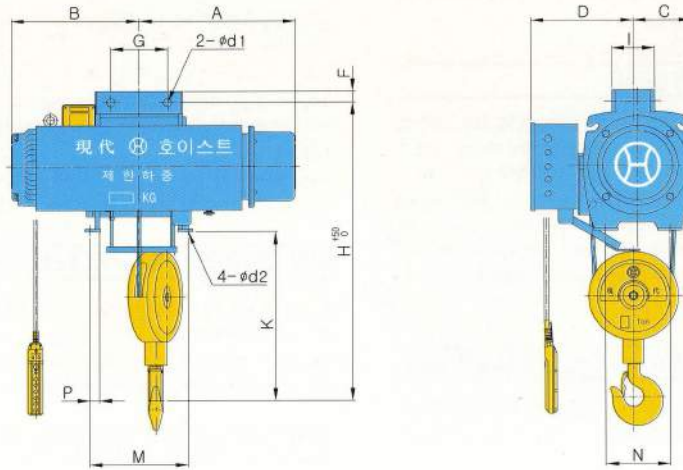
Trolley : Two speed × 1 motor (pole changable)

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

\*당사 호이스트는 KSC9621(전기권장기) 코드에 의한 부하테스트, 속도, 전류, 전압 시험 및 검사후 출고합니다.

We supply all of our products to our customers after we inspect the operation related with the rated load, motor motion incorporated with the brake at our auto-load inspection machine.

# Ordinary Type Hoist Without Trolley(HB)



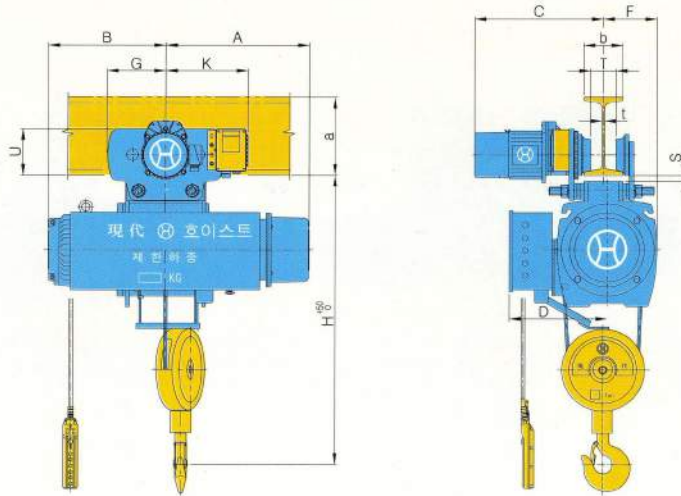
| Capacity (ton)           |                        | 1              | 2        | 2.8, 3   | 5        | 7.5   | 10   |     |     |
|--------------------------|------------------------|----------------|----------|----------|----------|-------|------|-----|-----|
| Hoist                    | Lift Height(m)         | 6(12)          | 6(12)    | 6(12)    | 6(12)    | 12    | 12   |     |     |
|                          | Hoisting Speed (m/min) | High Speed     | 50Hz     | 8.3      | 7.5      | 4.7   | 3.2  | 5   |     |
|                          |                        |                | 60Hz     | 10       | 9        | 5.6   | 3.8  | 6   |     |
|                          |                        | Low 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 (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  | 6×37 |     |     |
|                          | Dia.(mm)×no.of ropes   | 8×2            | 10×2     | 12.5×2   | 16×2     | 14×4  | 16×4 |     |     |
| Brake                    |                        | DC magnet disc |          |          |          |       |      |     |     |
| Dimension (approx.) (mm) | H                      | 750            | 920      | 1053     | 1241     | 1265  | 1325 |     |     |
|                          | A                      | 464(512)       | 502(552) | 547(597) | 632(682) | 961   | 1000 |     |     |
|                          | B                      | 379(531)       | 431(581) | 448(598) | 523(673) | 852   | 953  |     |     |
|                          | C                      | 169            | 197      | 205      | 240      | 283   | 345  |     |     |
|                          | D                      | 281            | 308      | 360      | 412      | 495   | 550  |     |     |
|                          | G                      | 160            | 200      | 200      | 280      | 800   | 670  |     |     |
|                          | F                      | 32.5           | 37       | 37.5     | 50       | 40    | 50   |     |     |
|                          | I                      | 112            | 150      | 150      | 180      | 180   | 247  |     |     |
|                          | K                      | 360            | 495      | 595      | 680      | 670   | 655  |     |     |
|                          | M                      | 350(550)       | 350(550) | 364(564) | 450(650) | 1080  | 1100 |     |     |
|                          | N                      | 160            | 180      | 200      | 250      | 400   | 500  |     |     |
|                          | P                      | 45             | 47       | 44       | 55       | 58    | 65   |     |     |
| d1                       | 26                     | 33             | 33       | 47       | 47       | 47    |      |     |     |
| d2                       | 17                     | 17             | 17       | 17       | 25       | 25    |      |     |     |
| Weight (approx.) (kg)    |                        | 150(166)       | 204(228) | 292(330) | 500(545) | 810   | 1050 |     |     |

Note : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.  
5ton Hoist까지는 와이어나프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is two falls upto 5ton. In Case of using 4falls, please contact us.



Ordinary Type

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

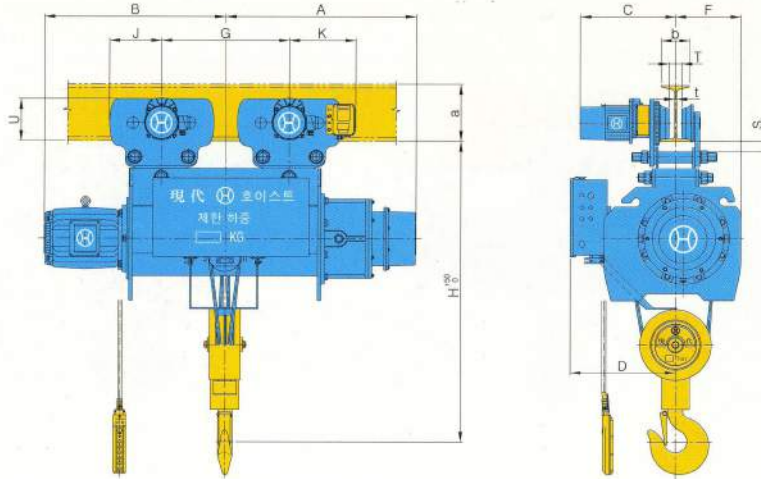


|                             |                          | Capacity (ton) |      | 1              | 2        | 2.8 3    | 5        |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|-----------------------------|--------------------------|----------------|------|----------------|----------|----------|----------|-------|-----|----|-----|-----|----|-----|----|-----|-------|-----|-----|-----|-----|
| Hoist                       | Lift Height(m)           |                |      | 6(12)          | 6(12)    | 6(12)    | 6(12)    |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             | Hoisting Speed (m/min)   | High Speed     | 50Hz | 10             | 8.3      | 7.5      | 4.7      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             |                          |                | 60Hz | 12             | 10       | 9        | 5.6      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             |                          | Low Speed      | 50Hz | 6.7            | 5        | 3.8      | 3.5      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             |                          |                | 60Hz | 8              | 6        | 4.5      | 4.2      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             | Hoisting Motor (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 (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       |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
| 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    |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             |                          | Brake          |      | DC magnet disc |          |          |          |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
| Dimension (approx.) (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                        |                |      | 303            | 330      | 375      | 412      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             | G                        |                |      | 212            | 225      | 225      | 275      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
|                             | K                        |                |      | 304            | 314      | 314      | 349      |       |     |    |     |     |    |     |    |     |       |     |     |     |     |
| 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   |
|                             | 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.)(kg)        |                          |                |      | 212(228)       | 284(308) | 372(405) | 586(630) |       |     |    |     |     |    |     |    |     |       |     |     |     |     |

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 5ton Hoist까지는 와이어로프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is two falls upto 5ton. In Case of using 4falls, please contact us.

Ordinary Type

Hoist With Motor-Driven Trolley(HN)

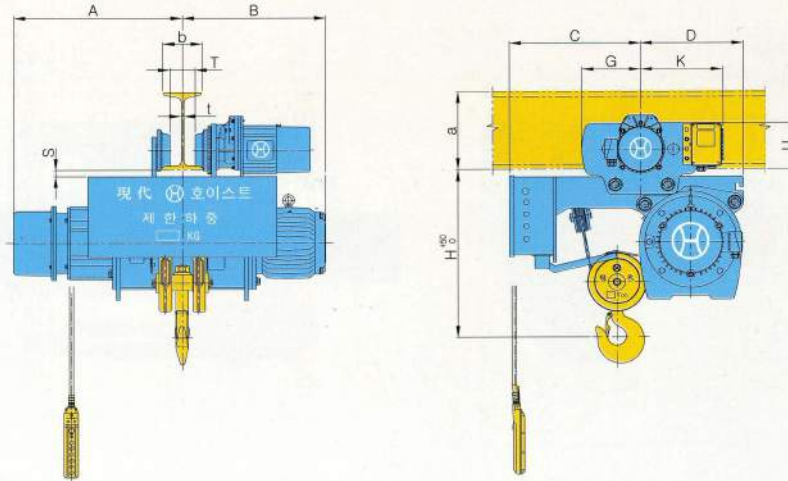


|                             |                          | Capacity (ton) |                | 7.5                     | 10             | 15            | 20            |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|-----------------------------|--------------------------|----------------|----------------|-------------------------|----------------|---------------|---------------|------|-----|------|-----|-------|----|-----|----|-----|-------|----|-----|----|-----|
| Hoist                       | Lift Height(m)           |                | 12             |                         | 12             | 12            | 12            |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | Hoisting Speed (m/min)   | High Speed     | 50Hz           | 3.2                     | 5              | 3.8           | 3.5           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             |                          |                | 60Hz           | 3.8                     | 6              | 4.5           | 4.2           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             |                          | Low Speed      | 50Hz           | 2.4                     | 3.8            | 2.5           | 2.3           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             |                          |                | 60Hz           | 2.9                     | 4.5            | 3             | 2.8           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | Hoisting Motor (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           |                | 6×37                    | 6×37           | 6×37          |               |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | Dia. (mm)×no. of ropes   | 14×4           |                | 16×4                    | 20×4           | 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            |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | 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)   |               |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             |                          | Brake          |                | DC magnet disc          |                |               |               |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
| Dimension (approx.) (mm)    | H                        |                | 1460           |                         | 1520           | 1875          | 2115          |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | A                        |                | 961            |                         | 1000           | 1076          | 1180          |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | B                        |                | 852            |                         | 953            | 1128          | 1185          |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | D                        |                | 521            |                         | 550            | 618           | 648           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | G                        |                | 800            |                         | 670            | 700           | 730           |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
|                             | K                        |                | 349            |                         | 349            | 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   |       |    |     |    |     |
|                             | 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 | 607.5 | 19 | 400 | 75 | 249 | 607.5 | 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 |                |               |               |      |     |      |     |       |    |     |    |     |       |    |     |    |     |
| Weight (approx.) (kg)       |                          | 1050           |                | 1345                    |                | 2030          |               | 2430 |     |      |     |       |    |     |    |     |       |    |     |    |     |

Note : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.  
And also, in case of using curvature, please contact us.

## Low-Head Type

### Hoist With Motor-Driven Trolley(HL)

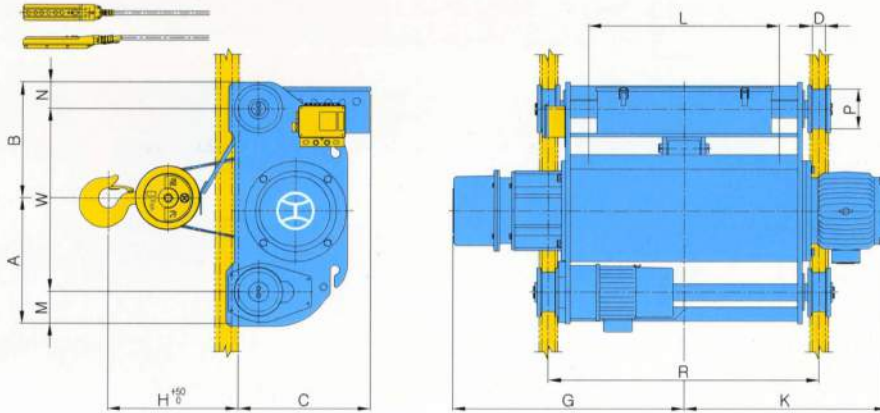


|                             |                          | Capacity (ton) |        | 1     |        | 2    |        | 2.8, 3 |        | 5   |     |     |     |
|-----------------------------|--------------------------|----------------|--------|-------|--------|------|--------|--------|--------|-----|-----|-----|-----|
| Hoist                       | Lift Height(m)           |                | 6      |       | 6      |      | 6      |        | 6      |     | 6   |     |     |
|                             | Hoisting Speed (m/min)   | High Speed     | 50Hz   | 10    | 8.3    | 7.5  | 4.7    |        |        |     |     |     |     |
|                             |                          |                | 60Hz   | 12    | 10     | 9    | 5.6    |        |        |     |     |     |     |
|                             |                          | Low Speed      | 50Hz   | 6.7   | 5      | 3.8  | 3.5    |        |        |     |     |     |     |
|                             |                          |                | 60Hz   | 8     | 6      | 4.5  | 4.2    |        |        |     |     |     |     |
|                             | Hoisting Motor (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 (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     |        |        |     |     |     |     |
|                             | 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  |        |        |     |     |     |     |
| Brake                       |                          | DC magnet disc |        |       |        |      |        |        |        |     |     |     |     |
| Dimension (approx.) (mm)    | H                        | 480            |        | 570   |        | 585  |        | 760    |        |     |     |     |     |
|                             | A                        | 564            |        | 624   |        | 647  |        | 732    |        |     |     |     |     |
|                             | B                        | 479            |        | 552.5 |        | 548  |        | 623    |        |     |     |     |     |
|                             | C                        | 423            |        | 432   |        | 499  |        | 578    |        |     |     |     |     |
|                             | D                        | 288            |        | 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             | 96     | 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 : 양정 6mts 이상의 모델 및 곡선부에 사용시는 당사로 문의 바랍니다. In Case of lift height over 6mts, please contact us.  
And also, in case of using curvature, please contact us.

## Double Rail Type

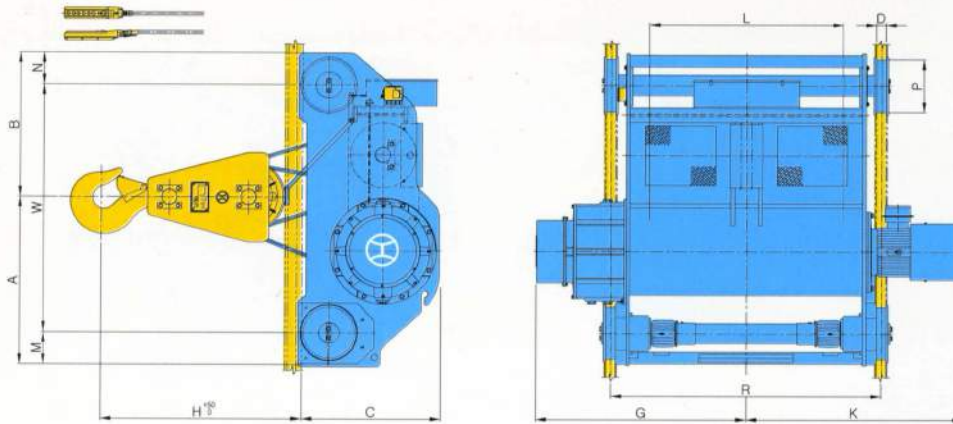
### Hoist With Motor-Driven Trolley(HD)



|                          |                          | 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 (m/min)   | High 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 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 (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     | 6×37     | 6×37     | 6×37     | 6×37          |      |      |
|                          | Dia. (mm)×no. of ropes   | 8×4            | 9×4     | 12.5×4   | 14×4     | 16×4     | 20×4     | 22.4×4   | 22.4×6        |      |      |
| Brake                    |                          | DC magnet disc |         |          |          |          |          |          |               |      |      |
| Traversing               | Traversing Speed (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   |
| 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    | 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 (approx.) (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      | 623      | 742      | 796      | 825           |      |      |
|                          | G                        | 776            | 811     | 961      | 961      | 1000     | 1076     | 1179     | 1439          |      |      |
|                          | K                        | 705            | 712     | 852      | 852      | 953      | 1128     | 1184     | 1444          |      |      |
|                          | W                        | 650            | 650     | 763      | 758      | 865      | 920      | 1000     | 1540          |      |      |
|                          | D                        | 47             | 47      | 47       | 47       | 58       | 58       | 58       | 70            |      |      |
|                          | L                        | 728            | 728     | 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 : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

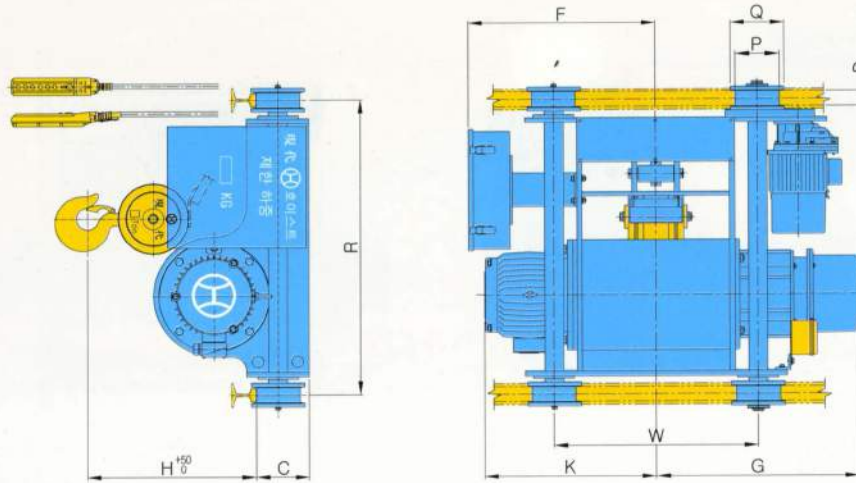
## Double Rail Type Hoist With Motor-Driven Trolley(HD)



|                          |                          | Capacity (ton) | 35             | 40, 50        | 60            | 70            |          |
|--------------------------|--------------------------|----------------|----------------|---------------|---------------|---------------|----------|
| Hoist                    | Lift Height(m)           |                | 12             | 12            | 12            | 12            |          |
|                          | Hoisting Speed (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 (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           | 1680          | 1780          | 1780          |          |
|                          | R                        |                | 1600           | 2300          | 2800          | 2800          |          |
|                          | A                        |                | 1025           | 1432          | 1407          | 1407          |          |
|                          | B                        |                | 955            | 1243          | 1268          | 1268          |          |
|                          | C                        |                | 1010           | 1180          | 1205          | 1205          |          |
|                          | G                        |                | 1455           | 1783          | 2033          | 2033          |          |
|                          | K                        |                | 1360           | 1845          | 2095          | 2095          |          |
|                          | W                        |                | 1550           | 2125          | 2075          | 2075          |          |
|                          | L                        |                | 1044           | 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 : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

## 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 (m/min)   | High 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 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 (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   | 6×37   | 6×37   | 6×37    |       |      |
|                          | Dia.(mm)×no.of ropes     | 8×4            | 9×4            | 12.5×4 | 14×4   | 16×4   | 20×4   | 22.4×4  |       |      |
| Traversing               | Brake                    |                | DC magnet disc |        |        |        |        |         |       |      |
|                          | 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   |
|                          | 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  | 1.0×6  | 1.0×6   |       |      |
| Brake                    |                          | DC magnet disc |                |        |        |        |        |         |       |      |
| Dimension (approx.) (mm) | H                        | 495            | 495            | 525    | 890    | 935    | 1250   | 1460    |       |      |
|                          | R                        | 950            | 950            | 1150   | 1150   | 1150   | 1500   | 1700    |       |      |
|                          | C                        | 180            | 180            | 202.5  | 202.5  | 208    | 235    | 270     |       |      |
|                          | G                        | 624            | 647            | 732    | 732    | 815    | 901    | 1049    |       |      |
|                          | K                        | 553            | 548            | 623    | 623    | 768    | 953    | 1054    |       |      |
|                          | F                        | 610            | 598            | 631    | 631    | 700    | 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 : 양정 6mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 6mts, please contact us.



[ 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 확실해 되므로 사고가 방지됩니다. 또한 고속, 미속의 교환이 충격없이 서서히 변화됩니다. 2단 PUSH BUTTON SWITCH의 작동은 살짝 누르면 미속, 세게 누르면 고속이 되므로 잘못 조작사용시에도 위험이 없습니다.

### 운반물에 손상을 주지 않습니다.

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

### INCREASE OF OPERATION EFFICIENCY

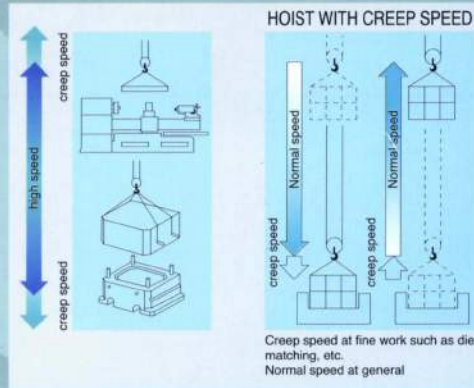
The speed is freely changeable with push buttons by creep speed through high speed. The hoisting load is securely and efficiently stopped and unloaded.

### 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.

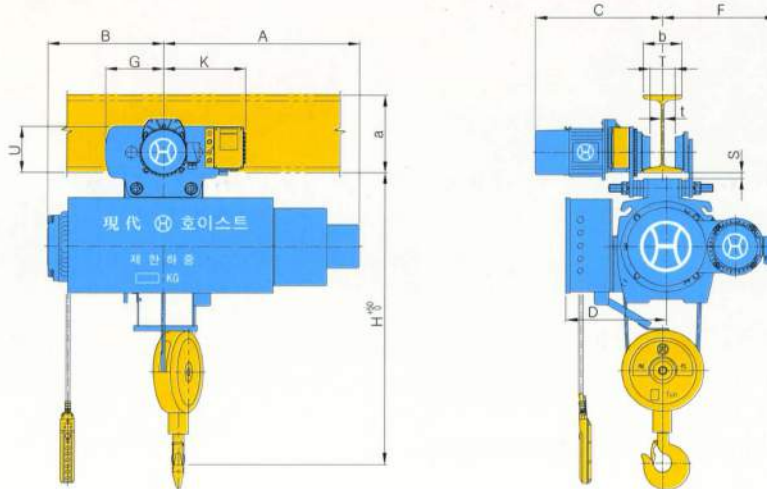
### DURABILITY AND ECONOMICAL IMPROVEMENT

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)



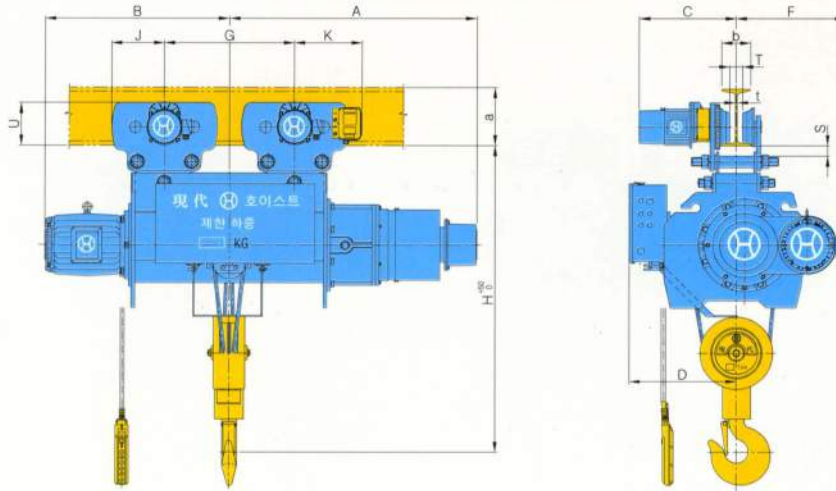
|                             |                          | Capacity (ton) |             |             |             |          |          |          |     |    |     |     |    |     |    |     |       |    |     |     |     |
|-----------------------------|--------------------------|----------------|-------------|-------------|-------------|----------|----------|----------|-----|----|-----|-----|----|-----|----|-----|-------|----|-----|-----|-----|
|                             |                          | 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     | 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                        | 303            | 330         | 388         | 415         |          |          |          |     |    |     |     |    |     |    |     |       |    |     |     |     |
|                             | G                        | 212            | 225         | 225         | 275         |          |          |          |     |    |     |     |    |     |    |     |       |    |     |     |     |
|                             | K                        | 304            | 314         | 314         | 349         |          |          |          |     |    |     |     |    |     |    |     |       |    |     |     |     |
| I-beam and Spacing (mm)     | a×b×t                    | 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 : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.  
 5ton Host까지는 와이어로프가 2줄입니다. 4줄 사용시는 당사로 문의 바랍니다. The number of wire rope is two falls upto 5ton. In Case of using 4falls, please contact us.



Ordinary Type

Creep Hoist With Motor-Driven Trolley(HM)

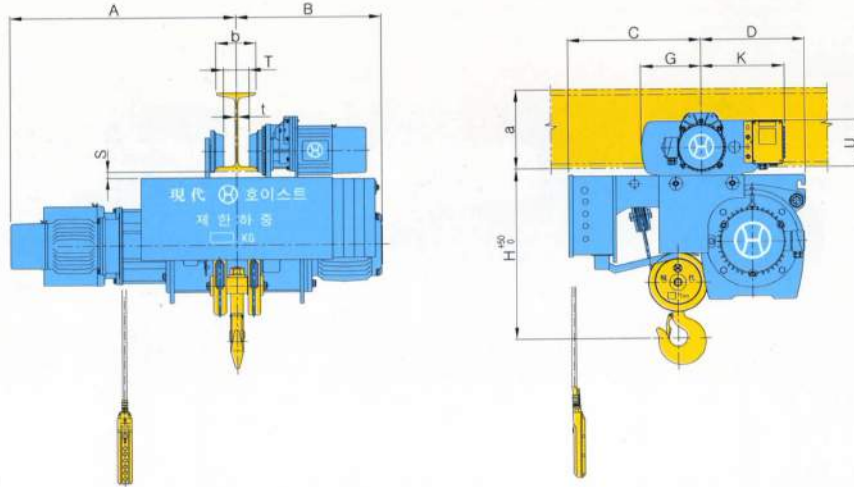


| Capacity (ton)              |                          | 7.5                     |                     | 10       |                     | 15       |                      | 20        |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |
|-----------------------------|--------------------------|-------------------------|---------------------|----------|---------------------|----------|----------------------|-----------|----------------------|-----------|----------|-------|-----|-----|-----|-----|-------|-----|-----|-----|-----|---|
| 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              |                     | 60Hz     |                     | 3.8/0.38 |                      | 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     |                     | 6×37     |                      | 6×37      |                      | 6×37      |          |       |     |     |     |     |       |     |     |     |     |   |
| Dia. (mm) × no. of ropes    |                          | 14×4                    |                     | 16×4     |                     | 20×4     |                      | 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                     |                     | 953      |                     | 1128     |                      | 1185      |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |
|                             | D                        | 521                     |                     | 550      |                     | 618      |                      | 648       |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |
|                             | G                        | 800                     |                     | 670      |                     | 700      |                      | 730       |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |
|                             | K                        | 349                     |                     | 349      |                     | 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      | 607.5 | 19  | 400 | 75  | 249 | 607.5 | 19  | 663 | 75  | 249 |   |
| 600×190×13                  | -                        | -                       | -                   | -        | -                   | -        | -                    | -         | -                    | -         | 615      | 20    | 400 | 90  | 248 | 615 | 20    | 663 | 90  | 248 |     |   |
| Min. radius of curvature(m) |                          | For straight rails only |                     |          |                     |          |                      |           |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |
| Weight (approx.)(kg)        |                          | 1180                    |                     | 1440     |                     | 2180     |                      | 2620      |                      |           |          |       |     |     |     |     |       |     |     |     |     |   |

Note : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

Low-Head Type

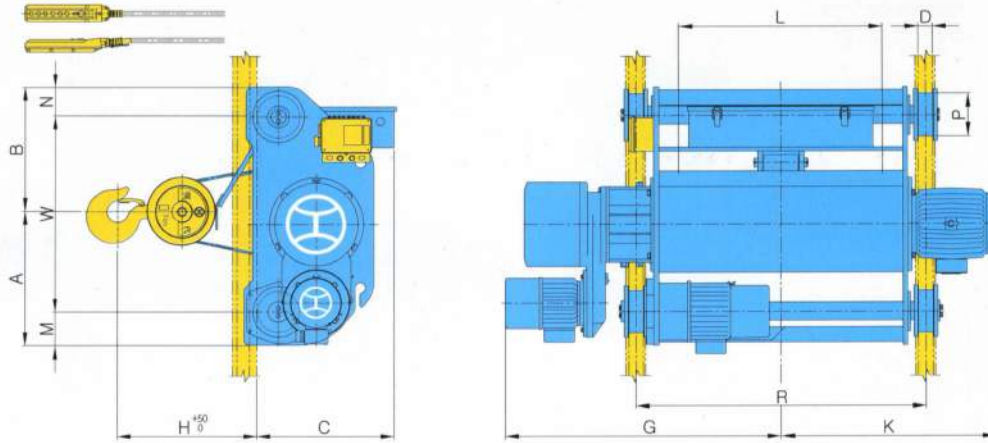
**Creep Hoist With Motor-Driven Trolley(HR)**



| 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 |      |          |     |
|                             |                          | High/Creep             |             | 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  |      |          |     |
|                             |                          | Construction           |             | 6×19      |             | 6×24      |             | 6×37      |             | 6×37     |      |          |     |
|                             | Wire Rope                | 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   |          |     |
|                             |                          |                        | 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                        | 480                    |             | 570       |             | 620       |             | 760       |             |          |      |          |     |
|                             | A                        | 688                    |             | 752       |             | 854       |             | 936       |             |          |      |          |     |
|                             | B                        | 479                    |             | 552.5     |             | 548       |             | 623       |             |          |      |          |     |
|                             | C                        | 423                    |             | 432       |             | 504       |             | 583       |             |          |      |          |     |
|                             | D                        | 288                    |             | 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        |      |          |     |
|                             | 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 : 양정 6mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 6mts, please contact us.

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

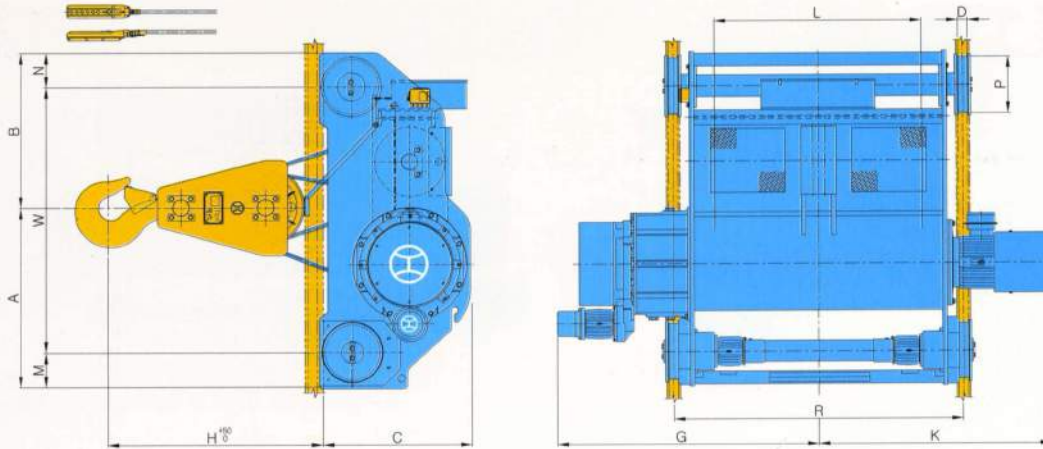


|                          |                                  | Capacity (ton) |             |             |             |             |              |              |                      |           |      |
|--------------------------|----------------------------------|----------------|-------------|-------------|-------------|-------------|--------------|--------------|----------------------|-----------|------|
|                          |                                  | 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 (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             | 2.3/0.23  |      |
|                          |                                  | 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        | 6×37         | 6×37         | 6×37                 | 6×37      |      |
| Dia.(mm)×no.of ropes     |                                  | 8×4            | 9×4         | 12.5×4      | 14×4        | 16×4        | 20×4         | 22.4×4       | 22.4×6               |           |      |
| Brake                    |                                  | DC magnet disc |             |             |             |             |              |              |                      |           |      |
| Traversing               | Traversing Speed (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 (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 (approx.) (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         | 623         | 742          | 796          | 825                  |           |      |
|                          | G                                | 904            | 1018        | 1165        | 1165        | 1276        | 1371         | 1495         | 1755                 |           |      |
|                          | K                                | 705            | 712         | 852         | 852         | 953         | 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 : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

## Double Rail Type

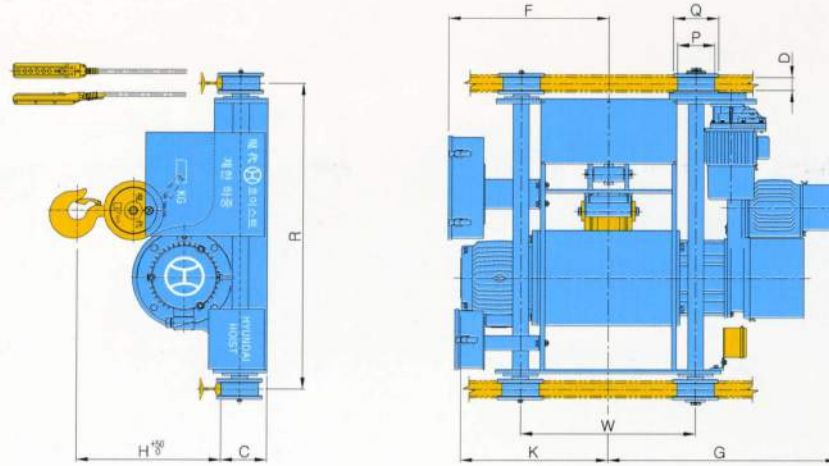
### Creep Hoist With Motor-Driven Trolley(HC)



| Capacity (ton)           |                          | 35             | 40, 50              | 60                  | 70                  |           |      |
|--------------------------|--------------------------|----------------|---------------------|---------------------|---------------------|-----------|------|
| Hoist                    | Lift Height(m)           | 12             | 12                  | 12                  | 12                  |           |      |
|                          | Hoisting Speed (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×F(25)             | 6×F(25)             | 6×F(25)             | 6×F(25)   |      |
| Dia. (mm)×no. of ropes   |                          | 28×4           | 28×6                | 28×8                | 28×8                |           |      |
| 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        |      |
|                          | 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 (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 (approx.) (mm) | H                        | 1490           | 1680                | 1780                | 1780                |           |      |
|                          | R                        | 1600           | 2300                | 2800                | 2800                |           |      |
|                          | A                        | 1025           | 1432                | 1407                | 1407                |           |      |
|                          | B                        | 955            | 1243                | 1268                | 1268                |           |      |
|                          | C                        | 1010           | 1180                | 1205                | 1205                |           |      |
|                          | G                        | 1735           | 2065                | 2315                | 2315                |           |      |
|                          | K                        | 1360           | 1845                | 2095                | 2095                |           |      |
|                          | W                        | 1550           | 2125                | 2075                | 2075                |           |      |
|                          | L                        | 1044           | 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                     |                          | 37kg/m         | 50kg/m              | 50kg/m              | 50kg/m              |           |      |

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# 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)    | High/Creep     | 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        | 6×37        | 6×37         | 6×37         | 6×37     |
|                          | Dia.(mm)×no.of ropes     | 8×4            |           | 9×4            | 12.5×4      | 14×4        | 16×4        | 20×4         | 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                        | 180            |           | 180            | 202.5       | 202.5       | 208         | 235          | 270          |          |
|                          | G                        | 752            |           | 854            | 936         | 936         | 1091        | 1196         | 1365         |          |
|                          | K                        | 553            |           | 548            | 623         | 623         | 768         | 953          | 1054         |          |
|                          | F                        | 610            |           | 598            | 631         | 631         | 700         | 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 : 양정 6mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 6mts, please contact us.



[ From the functional component to high precision technology ]

100/60 Ton

## MAIN & AUX

**주권 및 보권으로 구성된 쌍동이 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**

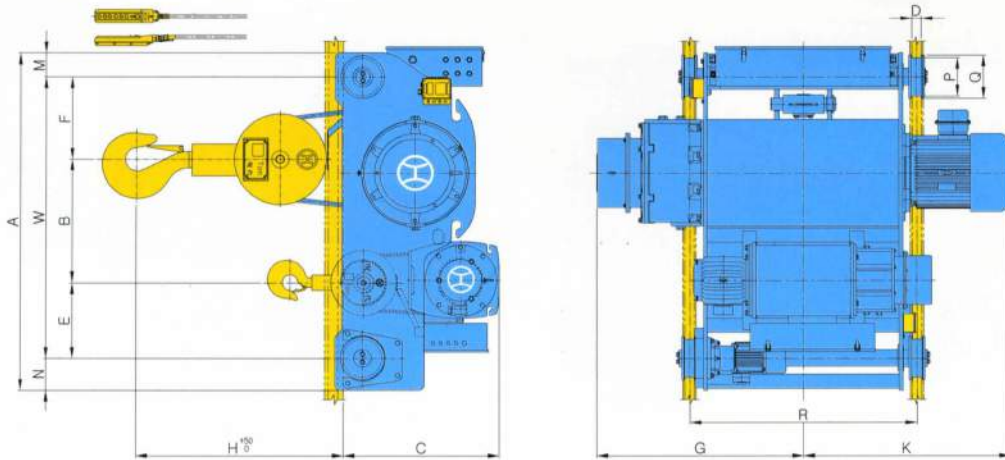
It is possible to enhance job efficiency operating individually or simultaneously Main hoist & Aux. hoist as per job condition.

### **MINIMIZING LOSS OF ELECTRIC POWER**

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

## Main & Aux Type

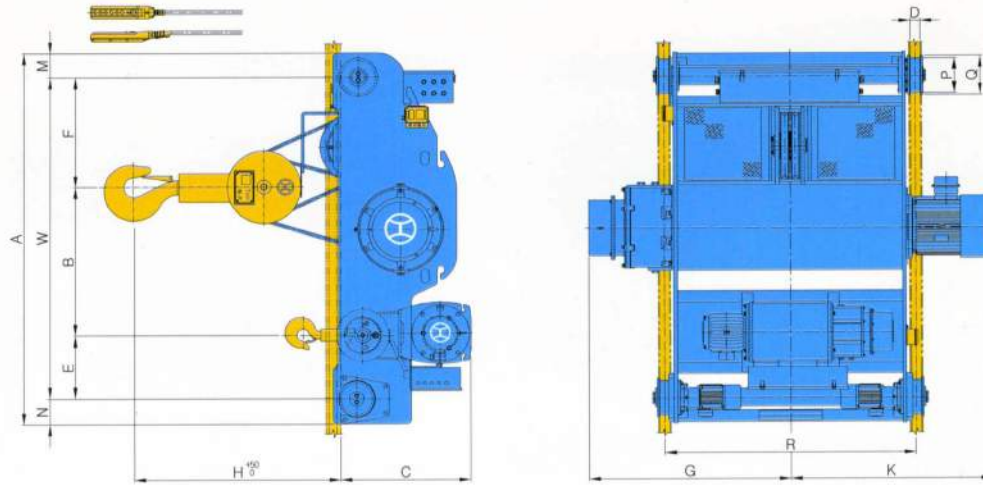
### Hoist With Motor-Driven Trolley(HP)



| Capacity (ton)           |                          | 7.5/3          |        | 10/5   |       | 15/5   |       |     |
|--------------------------|--------------------------|----------------|--------|--------|-------|--------|-------|-----|
| Lift Height(m)           |                          | 12             |        | 12     |       | 12     |       |     |
| Hoisting Speed (m/min)   | High 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 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 (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   | 6×37   | 6×37  | 6×37   | 6×37  |     |
|                          | Dia. (mm) × no. of ropes | 14×4           | 12.5×2 | 16×4   | 16×2  | 20×4   | 16×2  |     |
| Brake                    |                          | DC magnet disc |        |        |       |        |       |     |
| Traversing Speed (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 (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 (approx.) (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            |        | 1000   |       | 1076   |       |     |
|                          | K                        | 852            |        | 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)    |                          | 1350           |        | 1845   |       | 2470   |       |     |
| Rail                     |                          | 15kg/m         |        | 15kg/m |       | 22kg/m |       |     |

Note : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

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

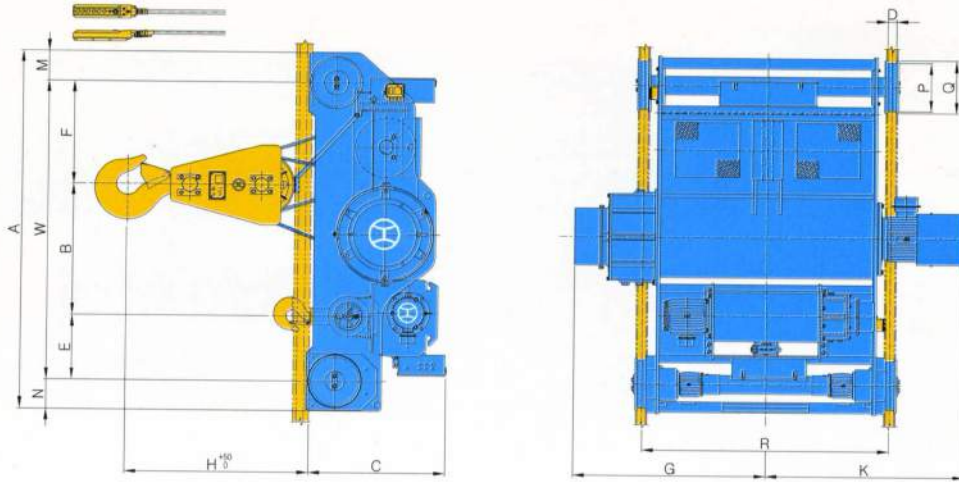


| Capacity (ton)           |                          | 20/5           |       | 30/5          |       | 30/10         |      |      |   |
|--------------------------|--------------------------|----------------|-------|---------------|-------|---------------|------|------|---|
| Lift Height(m)           |                          | 12             |       | 12            |       | 12            |      |      |   |
| Hoist                    | Hoisting Speed (m/min)   | High 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 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 (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          | 6×37 |      |   |
|                          | Dia.(mm) × no.of ropes   | 22.4×4         | 16×2  | 22.4×6        | 16×2  | 22.4×6        | 16×4 |      |   |
| Brake                    |                          | DC magnet disc |       |               |       |               |      |      |   |
| Traversing               | Traversing Speed (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 (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 (approx.) (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        |      |      |   |

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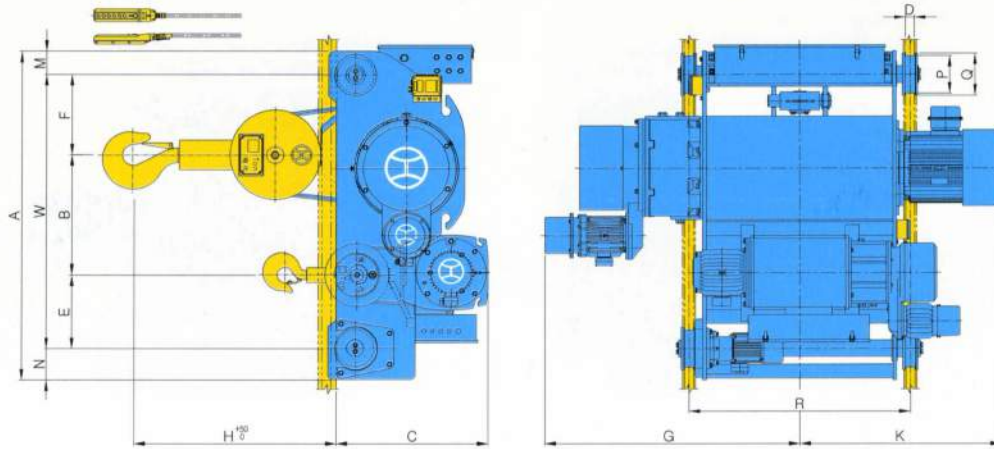
# Main & Aux Type Hoist With Motor-Driven Trolley(HP)



|                          |                          | Capacity (ton) |         | 35/7.5        |               | 50/10         |               | 60/20         |               | 70/20  |         |
|--------------------------|--------------------------|----------------|---------|---------------|---------------|---------------|---------------|---------------|---------------|--------|---------|
| Hoist                    | Lift Height(m)           |                | 12      |               | 12            |               | 12            |               | 12            |        |         |
|                          | Hoisting Speed (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 (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×F(25) | 6×37          | 6×F(25)       | 6×37          | 6×F(25)       | 6×37          | 6×F(25)       | 6×37   |         |
|                          | Dia.(mm) ×no.of ropes    |                | 28×4    | 14×4          | 28×6          | 16×4          | 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           | 420     | 1680          | 250           | 1780          | 310           | 1780          | 310           |        |         |
|                          | R                        | 1600           |         | 2300          |               | 2800          |               | 2800          |               |        |         |
|                          | A                        | 2830           |         | 3350          |               | 3525          |               | 3525          |               |        |         |
|                          | B                        | 1100           |         | 1227          |               | 1307          |               | 1307          |               |        |         |
|                          | E                        | 560            |         | 605           |               | 650           |               | 650           |               |        |         |
|                          | F                        | 740            |         | 968           |               | 968           |               | 968           |               |        |         |
|                          | C                        | 1333           |         | 1279          |               | 1686          |               | 1686          |               |        |         |
|                          | G                        | 1455           |         | 1784          |               | 2033          |               | 2033          |               |        |         |
|                          | K                        | 1360           |         | 1845          |               | 2095          |               | 2095          |               |        |         |
|                          | W                        | 2400           |         | 2800          |               | 2925          |               | 2925          |               |        |         |
|                          | D                        | 70             |         | 80            |               | 80            |               | 80            |               |        |         |
|                          | N                        | 215            |         | 275           |               | 300           |               | 300           |               |        |         |
|                          | M                        | 215            |         | 275           |               | 300           |               | 300           |               |        |         |
| P                        | 355                      |                | 450     |               | 450           |               | 500           |               |               |        |         |
| Q                        | 395                      |                | 490     |               | 490           |               | 540           |               |               |        |         |
| Weight (approx.)(kg)     |                          | 6100           |         | 8200          |               | 11080         |               | 11080         |               |        |         |
| Rail                     |                          | 37kg/m         |         | 50kg/m        |               | 50kg/m        |               | 50kg/m        |               |        |         |

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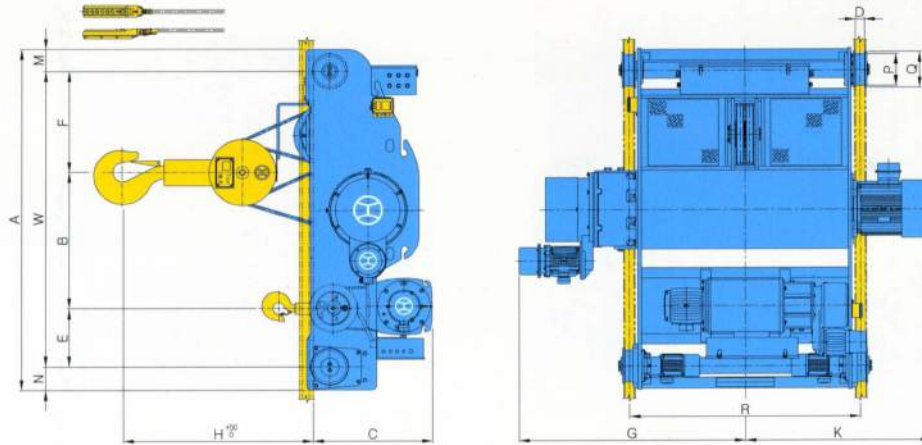
## Main & Aux Creep Type Hoist With Motor-Driven Trolley(HQ)



|                          |                          | Capacity (ton)     |                | 7.5/3     |          | 10/5     |          | 15/5     |  |
|--------------------------|--------------------------|--------------------|----------------|-----------|----------|----------|----------|----------|--|
| Hoist                    | Lift Height(m)           | 12                 |                | 12        |          | 12       |          | 12       |  |
|                          | Hoisting Speed(m/min)    | 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 |  |
|                          |                          | High/Creep<br>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  |  |
|                          |                          | Construction       | 6×37           | 6×37      | 6×37     | 6×37     | 6×37     | 6×37     |  |
| Wire Rope                | Dia. (mm)×no.of ropes    | 14×4               | 12.5×2         | 16×4      | 16×2     | 20×4     | 16×2     |          |  |
| Traversing               | Traversing Speed (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 (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 (approx.) (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                |                | 963       |          | 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 : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

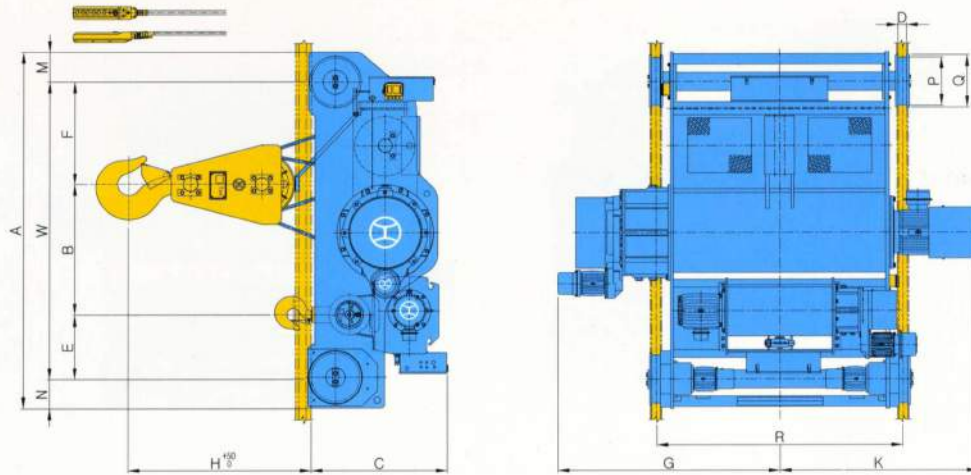
## Main & Aux Creep Type Hoist With Motor-Driven Trolley(HQ)



|                          |                          | Capacity (ton) |          | 20/5          |          | 30/5          |          | 30/10    |  |
|--------------------------|--------------------------|----------------|----------|---------------|----------|---------------|----------|----------|--|
| Hoist                    | Lift Height(m)           | 12             |          | 12            |          | 12            |          | 12       |  |
|                          | Hoisting Speed(m/min)    | 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 |  |
|                          | High/Creep               |                |          |               |          |               |          |          |  |
|                          | 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          | 6×37     |          |  |
|                          | Dia.(mm)×no.of ropes     | 22.4×4         | 16×2     | 22.4×6        | 16×2     | 22.4×6        | 16×4     |          |  |
| Brake                    |                          | DC magnet disc |          |               |          |               |          |          |  |
| Traversing               | Traversing Speed (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 (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 (approx.) (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           |          | 4900          |          | 5250          |          |          |  |
| Rail                     |                          | 22kg/m         |          | 30kg/m        |          | 30kg/m        |          |          |  |

Note : 양정 12mts 이상의 모델은 당사로 문의 바랍니다. In Case of lift height over 12mts, please contact us.

## 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 |
|                          | Hoisting Motor(kW×P)     | High/Creep     | 33/3.7×6/4 |               | 5.5/1×6  |               | 33/3.7×6/4 |               | 9/1.1×8  |          |
|                          |                          | Construction   | 6×F(25)    |               | 6×37     |               | 6×F(25)    |               | 6×37     |          |
| Wire Rope                | Construction             | 6×F(25)        |            | 6×37          |          | 6×F(25)       |            | 6×37          |          |          |
|                          | Dia. (mm)×no. of ropes   | 28×4           |            | 14×4          |          | 28×6          |            | 16×4          |          |          |
| Brake                    |                          | DC magnet disc |            |               |          |               |            |               |          |          |
| Traversing               | Traversing Speed (m/min) | High Speed     | 50Hz       | 12.5          | 12.5     | 12.5          | 12.5       | 12.5          | 12.5     |          |
|                          |                          | 60Hz           | 15         | 15            | 15       | 15            | 15         | 15            |          |          |
|                          |                          | Low Speed      | 50Hz       | 8.3           | 8.3      | 8.3           | 8.3        | 8.3           | 8.3      |          |
|                          |                          | 60Hz           | 10         | 10            | 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           | 420        | 1680          | 250      | 1780          | 310        | 1780          | 310      |          |
|                          | R                        | 1600           |            | 2300          |          | 2800          |            | 2800          |          |          |
|                          | A                        | 2830           |            | 3350          |          | 3525          |            | 3525          |          |          |
|                          | B                        | 1100           |            | 1227          |          | 1307          |            | 1307          |          |          |
|                          | E                        | 560            |            | 605           |          | 650           |            | 650           |          |          |
|                          | F                        | 740            |            | 968           |          | 968           |            | 968           |          |          |
|                          | C                        | 1333           |            | 1279          |          | 1686          |            | 1686          |          |          |
|                          | G                        | 1735           |            | 2065          |          | 2315          |            | 2315          |          |          |
|                          | K                        | 1360           |            | 1845          |          | 2095          |            | 2095          |          |          |
|                          | W                        | 2400           |            | 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)    |                          | 6500           |            | 8550          |          | 11440         |            | 11440         |          |          |
| Rail                     |                          | 37kg/m         |            | 50kg/m        |          | 50kg/m        |            | 50kg/m        |          |          |

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



NEW PRODUCT

## OPEN WINCH TYPE

### 새로운 스타일의 신제품

고정밀, 고정도의 헬리컬치차 감속기를 장착하여 저소음, 저진동으로 안전하고 강력한 하역능력을 발휘합니다.

### 고양정, 고속의 호이스트

고양정 및 고속으로 설계, 제작되어 중빈도 작업에도 운전이 원활하고 기계품 및 전장품의 수명이 길어 보수횟수가 적습니다.

### 보다 안전한 리미트 스위치

웜기어 방식의 리미트 스위치는 상한시 과권방지 기능은 물론, 하한시 여유권수이상 풀림방지 및 와이어로프의 역상방지 기능을 추가하여 안전성을 더욱 높였습니다.

### 횡행 MOTION에 SOFT STARTER 취부

SOFT STARTER 취부하여 횡행 동작시에 보다 부드럽게 출발하여 운반시 흔들림이 덜하고 안정감이 있습니다.

### FRESH PRODUCT OF NEW STYLE

The hoist is equipped with a helical gear reducer of high precision grade and it shows a strong & safe loading & unloading ability upon low noisy & low vibration very safely.

### HOIST OF HIGHER LIFTING & HIGH-SPEED

As the hoist is designed & produced by higher lifting height & high-speed, medium duty operation is very smooth. And maintenance times are no many because the life time of mechanical & electric parts is much longer.

### THE BEST SAFE LIMIT SWITCH DEVICE

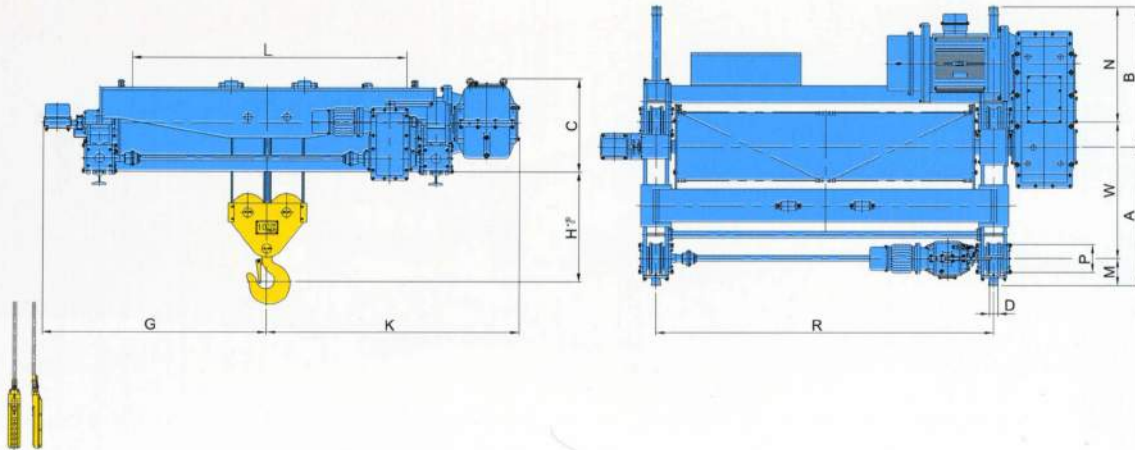
As it is a limit switch of worm gear type, it protects an excess upper & lower action during its operation. And it has increased the safety by addition of protection function for reverse moving of wire rope.

### SOFT STARTER IS ATTACHED INTO TRAVERSING MOTOR

As the traversing motor has a soft starter, the starting is very smooth for cross traveling-operation. And also, the transportation is no shaking, and it has good stability.

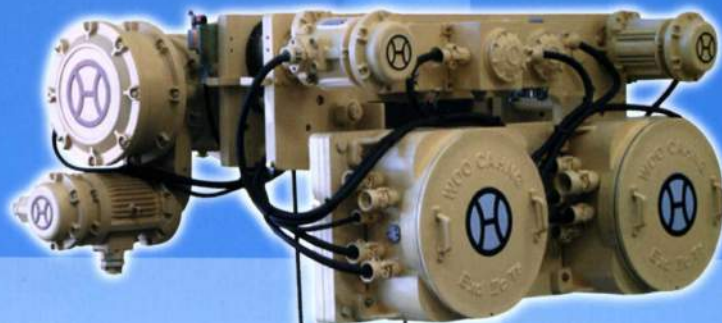
## OPEN WINCH TYPE

### Hoist With Motor-Driven Trolley(HX)



|                          |                          | Capacity (ton) |       | 7.5           | 10            | 15            | 20    |
|--------------------------|--------------------------|----------------|-------|---------------|---------------|---------------|-------|
| Hoist                    | Lift Height (m)          |                | 50    |               | 50            | 50            | 50    |
|                          | Hoisting Speed (m/min)   | High Speed     | 50Hz  | 6.6           | 6.6           | 3.3           | 3.3   |
|                          |                          |                | 60Hz  | 8             | 8             | 4             | 4     |
|                          |                          | Low 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  |
| Wire Rope                | Construction             | 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          |       |
| 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    |
|                          | Traversing Motor (kW×P)  | High Speed     | 1.5×4 |               | 1.5×4         | 1.5×4         | 1.5×4 |
|                          |                          | Low Speed      | 1.0×6 |               | 1.0×6         | 1.0×6         | 1.0×6 |
| Brake                    |                          | DC magnet disc |       |               |               |               |       |
| Dimension (approx.) (mm) | H                        | 800            |       | 800           | 880           | 950           |       |
|                          | R                        | 2200           |       | 2450          | 4000          | 4500          |       |
|                          | A                        | 1011           |       | 1015          | 1011          | 1015          |       |
|                          | B                        | 1022           |       | 1022          | 1022          | 1022          |       |
|                          | C                        | 664            |       | 684           | 664           | 684           |       |
|                          | G                        | 1507.5         |       | 1630.5        | 2407.5        | 2655.5        |       |
|                          | K                        | 1702           |       | 1829          | 2602          | 2854          |       |
|                          | W                        | 970            |       | 1000          | 970           | 1000          |       |
|                          | L                        | 1810           |       | 2056          | 3590          | 4096          |       |
|                          | M(N)                     | 191(872)       |       | 195(842)      | 191(872)      | 195(842)      |       |
|                          | P                        | 160            |       | 200           | 160           | 200           |       |
|                          | D                        | 61             |       | 61            | 61            | 61            |       |
|                          | Weight (approx.)(kg)     |                | 2500  |               | 2600          | 3500          | 3700  |
|                          | Rail(kg/m)               |                | 15    |               | 15            | 22            | 22    |

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[ Our accumulated Know-how offers customer satisfaction ]

## EXPLOSION PROOF TYPE HOIST

**내압 방폭지역에서 안전하게 사용할 수 있습니다.**

내압 방폭지역에서 안전하게 사용할 수 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 적용할 수 있습니다.

### **BEING USED AT FLAMMABLE ENCLOSURE AREA SAFELY**

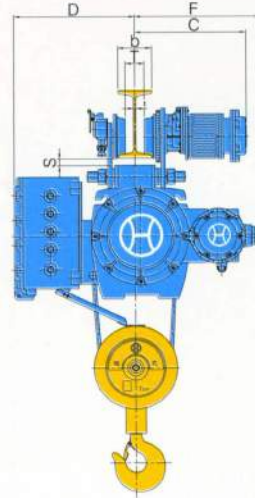
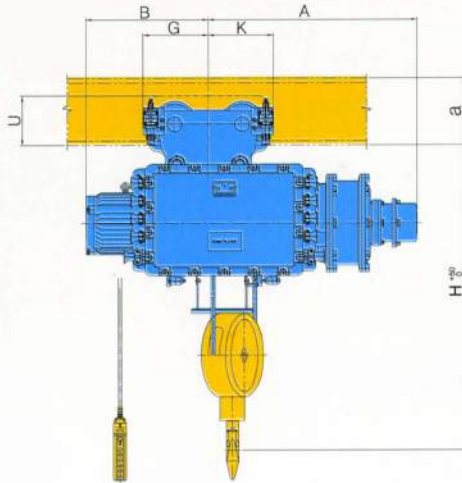
It is designed & produced as explosion proof structure that can be used at flammable enclosure area safety. So it is a hoist can be used for safe transport work at place which has any flammable danger like a chemical factory or gas treat work shop.

### **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**

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

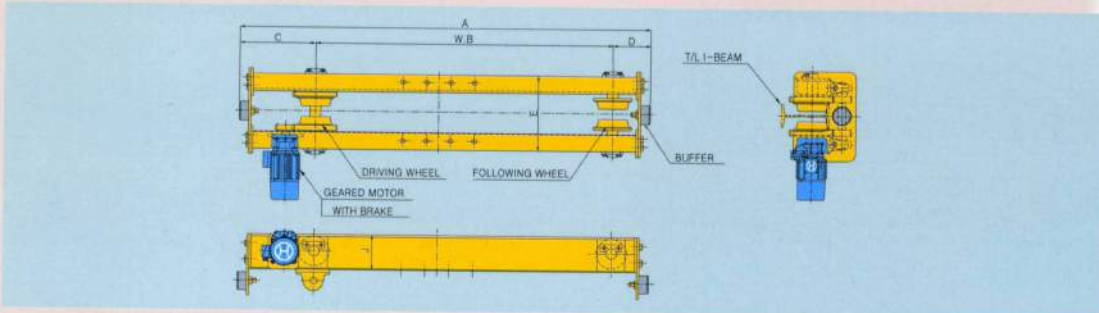


| Capacity (ton)              |                          | 0.5, 1         |                |           |        | 2         |          |           |        | 2.8, 3    |          |       |        | 5        |              |    |     |     |
|-----------------------------|--------------------------|----------------|----------------|-----------|--------|-----------|----------|-----------|--------|-----------|----------|-------|--------|----------|--------------|----|-----|-----|
| 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  |          | 9/0.9 |        | 5.6/0.56 |              |    |     |     |
|                             |                          | 60Hz           |                | 12/1.2    |        | 10/1      |          | 9/0.9     |        | 5.6/0.56  |          | 6×37  |        | 6×37     |              |    |     |     |
|                             | Hoisting Motor (kW×P)    | High/Creep     |                | 2.2/0.4×4 |        | 3.7/0.4×4 |          | 5.5/1.1×4 |        | 5.5/1.0×6 |          | 6×37  |        | 6×37     |              |    |     |     |
|                             |                          | Construction   |                | 6×24      |        | 6×37      |          | 6×37      |        | 6×37      |          | 6×37  |        | 6×37     |              |    |     |     |
| Wire Rope                   | Dia. (mm) × no. of ropes |                | 8×2            |           | 10×2   |           | 12.5×2   |           | 16×2   |           | 12.5×2   |       | 16×2   |          |              |    |     |     |
|                             | Brake                    |                | DC magnet disc |           |        |           |          |           |        |           |          |       |        |          |              |    |     |     |
| Traversing                  | Traversing Speed (m/min) | High Speed     |                | 50Hz      |        | 20        |          | 20        |        | 20        |          | 20    |        | 20       |              |    |     |     |
|                             |                          | 60Hz           |                | 24        |        | 24        |          | 24        |        | 24        |          | 24    |        |          |              |    |     |     |
|                             | Low Speed                |                | 50Hz           |           | 13.3   |           | 13.3     |           | 13.3   |           | 13.3     |       | 13.3   |          |              |    |     |     |
|                             | 60Hz                     |                | 16             |           | 16     |           | 16       |           | 16     |           | 16       |       | 16     |          |              |    |     |     |
| Traversing Motor (kW×P)     | High Speed               |                | 0.75×4         |           | 0.75×4 |           | 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  |           | 0.5×6    |       | 0.5×6  |          |              |    |     |     |
| Brake                       |                          | DC magnet disc |                |           |        |           |          |           |        |           |          |       |        |          |              |    |     |     |
| Dimension (approx.) (mm)    | H                        |                | 1000           |           |        |           | 1100     |           |        |           | 1250     |       |        |          | 1375         |    |     |     |
|                             | A                        |                | 700(800)       |           |        |           | 710(760) |           |        |           | 844(894) |       |        |          | 927(977)     |    |     |     |
|                             | B                        |                | 495(595)       |           |        |           | 495(644) |           |        |           | 472(622) |       |        |          | 546.5(696.5) |    |     |     |
|                             | D                        |                | 480            |           |        |           | 480      |           |        |           | 499      |       |        |          | 536          |    |     |     |
|                             | G                        |                | 250            |           |        |           | 250      |           |        |           | 250      |       |        |          | 290          |    |     |     |
|                             | K                        |                | 250            |           |        |           | 250      |           |        |           | 250      |       |        |          | 290          |    |     |     |
|                             | D                        |                | 480            |           |        |           | 515      |           |        |           | 529      |       |        |          | 563.5        |    |     |     |
| I-beam and Spacing (mm)     | a×b×t                    |                | C              | S         | T      | U         | C        | S         | T      | U         | C        | S     | T      | U        | C            | S  | T   | U   |
|                             | 200×100×7                |                | 385            | 38        | 46     | 144       | -        | -         | -      | -         | -        | -     | -      | -        | -            | -  | -   | -   |
|                             | 250×125×7.5              |                | 395            | 30        | 71     | 153       | 478.5    | 30        | 71     | 172       | 478.5    | 30    | 71     | 172      | 484          | 40 | 60  | 216 |
|                             | 300×150×10               |                | 410            | 28        | 96     | 155       | 491      | 24        | 96     | 178       | 491      | 24    | 96     | 178      | 496.5        | 34 | 85  | 222 |
|                             | 450×175×13               |                | -              | -         | -      | -         | -        | -         | -      | -         | -        | -     | -      | -        | 509          | 26 | 110 | 230 |
| Min. radius of curvature(m) |                          | 1.5            |                |           |        | 1.8       |          |           |        | 1.8       |          |       |        | 2.3      |              |    |     |     |
| Weight (approx.) (kg)       |                          | 250(310)       |                |           |        | 385(423)  |          |           |        | 542(575)  |          |       |        | 754(798) |              |    |     |     |

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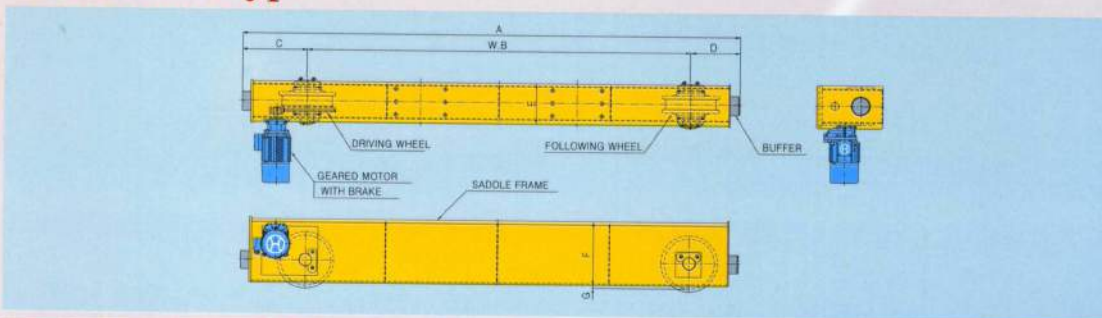


## Suspension Type Saddle Unit



| 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           | 0.75×4 | 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           | 0.5×6  | 2020 | 1500 |     |     | 370 |                       | 370            | I-300×150×10t |
|           |                          | 60(Hz) | 16           |        | 2270 | 1750 |     |     | 370 |                       | I-400×150×10t  |               |
| φ 160     | High                     | 50(Hz) | 18           | 0.75×4 | 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           | 0.5×6  | 2120 | 1500 |     |     | 386 |                       | 386            | I-400×150×10t |
|           |                          | 60(Hz) | 16           |        | 2370 | 1750 |     |     | 411 |                       | I-450×175×13t  |               |
| φ 180     | High                     | 50(Hz) | 20           | 1.5×4  | 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           | 1×6    | 2120 | 1500 |     |     | 420 |                       | 420            | I-400×150×10t |
|           |                          | 60(Hz) | 15           |        | 2370 | 1750 |     |     | 445 |                       | I-450×175×13t  |               |

## Over Head Type



| 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           | 0.75×4     | 2060 | 1500 | 360 | 200 | 210 | 240 | 20 |      |      |     |     |    |
|           |                          | 60(Hz) | 24           |            | 2560 | 2000 |     |     |     |     |    |      |      |     |     |    |
|           | Low                      | 50(Hz) | 13           | 0.5×6      | 3060 | 2500 |     |     |     |     |    | 3560 | 3000 |     |     |    |
|           |                          | 60(Hz) | 16           |            | 2120 | 1500 |     |     |     |     |    |      |      |     |     |    |
| φ 200     | High                     | 50(Hz) | 20           | 0.75×4     | 2620 | 2000 | 360 | 260 | 210 | 300 | 20 |      |      |     |     |    |
|           |                          | 60(Hz) | 24           |            | 3120 | 2500 |     |     |     |     |    |      |      |     |     |    |
|           | Low                      | 50(Hz) | 13           | 0.5×6      | 3620 | 3000 |     |     |     |     |    | 2170 | 1500 |     |     |    |
|           |                          | 60(Hz) | 16           |            | 2670 | 2000 |     |     |     |     |    |      |      |     |     |    |
| φ 250     | High                     | 50(Hz) | 25           | 0.75×4     | 3170 | 2500 | 390 | 280 | 210 | 350 | 20 |      |      |     |     |    |
|           |                          | 60(Hz) | 30           |            | 3670 | 3000 |     |     |     |     |    |      |      |     |     |    |
|           | Low                      | 50(Hz) | 17           | 0.5×6      | 2220 | 1500 |     |     |     |     |    | 410  | 310  | 260 | 400 | 20 |
|           |                          | 60(Hz) | 20           |            | 2720 | 2000 |     |     |     |     |    |      |      |     |     |    |
| φ 315     | High                     | 50(Hz) | 25           | 1.5×4      | 3220 | 2500 | 410 | 310 | 260 | 400 | 20 |      |      |     |     |    |
|           |                          | 60(Hz) | 30           |            | 3720 | 3000 |     |     |     |     |    |      |      |     |     |    |
|           | Low                      | 50(Hz) | 17           | 1×6        |      |      |     |     |     |     |    |      |      |     |     |    |
|           |                          | 60(Hz) | 20           |            |      |      |     |     |     |     |    |      |      |     |     |    |

Note : 상기 SADDLE에 대한 상세 기술 사양은 당사로부터 문의 바랍니다.  
Please contact us about detail technical specification.

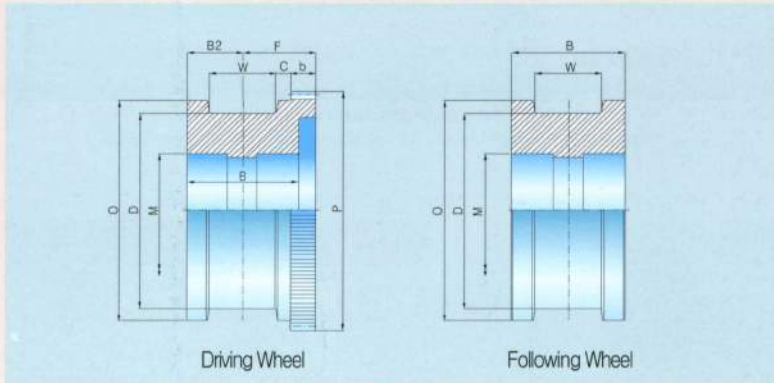
## Over Head Type Saddle Unit



| 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)         | 2.2×4      | 30, 37 | 4050 | 3000 | 600 | 450 | 464 / 488 | 350 / 400 | 50        |
|           |                          | 60(Hz)         |            |        | 4550 | 3500 |     |     |           |           |           |
|           | Low                      | 50(Hz)         | 1.5×6      |        | 5050 | 4000 |     |     |           |           |           |
|           |                          | 60(Hz)         |            |        | 5550 | 4500 |     |     |           |           |           |
| φ 500     | High                     | 50(Hz)         | 2.2×4      | 30, 37 | 5150 | 4000 | 650 | 500 | 510 / 509 | 400 / 450 | 75        |
|           |                          | 60(Hz)         |            |        | 5650 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz)         | 1.5×6      |        | 6150 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz)         |            |        | 6650 | 5500 |     |     |           |           |           |
| φ 630     | High                     | 50(Hz)         | 3.7×4      | 30, 37 | 5200 | 4000 | 700 | 500 | 535 / 534 | 450 / 500 | 90 / 65   |
|           |                          | 60(Hz)         |            |        | 5700 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz)         | 2.2×6      |        | 6200 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz)         |            |        | 6700 | 5500 |     |     |           |           |           |
| φ 710     | High                     | 50(Hz)         | 3.7×4      | 30, 37 | 5400 | 4000 | 800 | 600 | 555 / 554 | 450 / 500 | 130 / 105 |
|           |                          | 60(Hz)         |            |        | 5900 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz)         | 2.2×6      |        | 6400 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz)         |            |        | 6900 | 5500 |     |     |           |           |           |
| φ 800     | High                     | 50(Hz)         | 3.7×4      | 30, 37 | 5500 | 4000 | 850 | 650 | 584       | 500       | 150       |
|           |                          | 60(Hz)         |            |        | 6000 | 4500 |     |     |           |           |           |
|           | Low                      | 50(Hz)         | 2.2×6      |        | 6500 | 5000 |     |     |           |           |           |
|           |                          | 60(Hz)         |            |        | 7000 | 5500 |     |     |           |           |           |

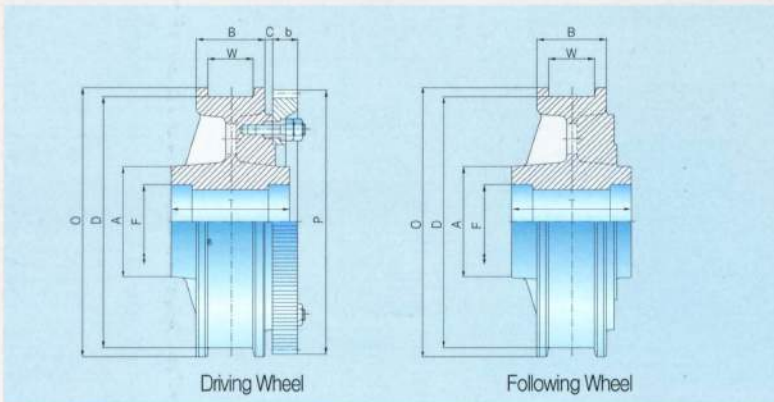
Note : 상기 SADDLE에 대한 상세 기술 사양은 당사로 문의 바랍니다.  
Please contact us about detail technical specification.

## 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 WHEEL에 대한 상세 기술 사양은 당사로부터 문의 바랍니다.  
Please contact us about detail technical specification.

# GEARED MOTOR

## MOTOR

- 특수형상 슬롯방식의 고효율
- 고정밀وازن상의 저진동 저소음
- 긴 수명 및 신뢰도 증대
- 전동기 정격 토크를 제동할 수 있는 브레이크

## MOTOR

- High efficiency with special-type slot-method
- Low vibration and noise with super-precision balancing
- Prolonged life-cycle and high credibility
- Braking of standard rotation power

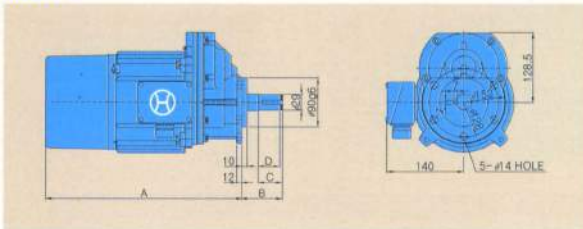
## REDUCER

- 기계 구조용 탄소강과 크롬몰리브덴강의 우수한 소재 사용
- 항복, 인장, 충격치에 대한 소입, 소려 강화
- 최신 설비에 의한 정밀 가공 및 고품질의 균일 생산

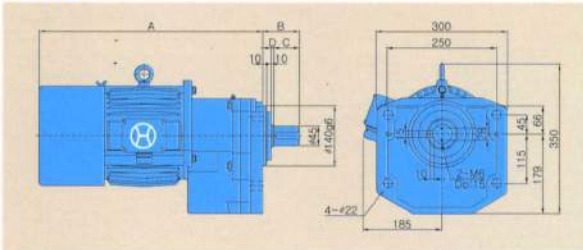
## REDUCER

- Superior materials of carbon steel for machine structural and chromium molybenum steel used
- Shock-absorbent is increased for yield, tensile and shocks
- Precise procession and uniform, high-quality production with advanced facilities

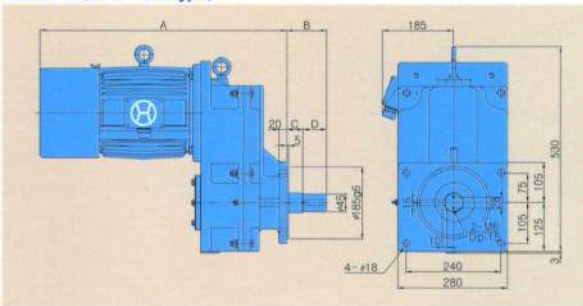
### Model-A



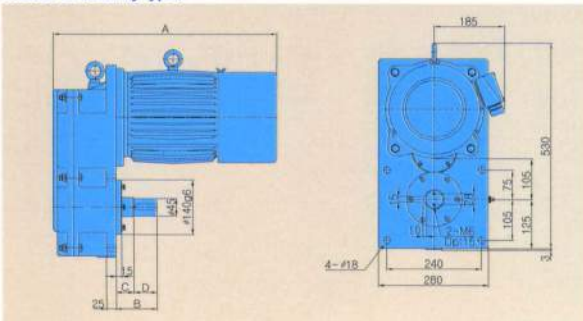
### Model-B



### Model-C (Over head type)



### Model-D (Gantry type)



### Model-A

| Dimensions      | Cap. | 0.5kW×6p<br>0.75kW×4p        | 1kW×6p<br>1.5kW×4p |
|-----------------|------|------------------------------|--------------------|
| A               |      | 253(361)                     | 288(396)           |
| B               |      | 74                           | 74                 |
| C               |      | 44                           | 44                 |
| D               |      | 40                           | 40                 |
| Reduction Ratio |      | 1/16(L), 1/11.8(M), 1/8.4(H) |                    |

( ) Size in Brake

### Pole change motor Model-A

| Dimensions            | Cap. | 0.8/0.4kW<br>×4/8p           | 1.5/0.75kW<br>×4/8p |
|-----------------------|------|------------------------------|---------------------|
| A                     |      | 288(396)                     | 318(427)            |
| B                     |      | 74                           | 74                  |
| C                     |      | 44                           | 44                  |
| D                     |      | 40                           | 40                  |
| Reduction Ratio       |      | 1/16(L), 1/11.8(M), 1/8.4(H) |                     |
| Pole change motor rpm |      | 4/8P, 1680/820rpm            |                     |

( ) Size in Brake

### Model-B

| Dimensions      | Cap. | 1.5kW×6p, 2.2kW×4p |
|-----------------|------|--------------------|
| A               |      | 394(513)           |
| B               |      | 84                 |
| C               |      | 59                 |
| D               |      | 5                  |
| Reduction Ratio |      | 1/20,26            |

( ) Size in Brake

### Model-C

| Dimensions      | Cap. | 2.2kW×6p, 3.7kW×4p |
|-----------------|------|--------------------|
| A               |      | 630                |
| B               |      | 101                |
| C               |      | 41                 |
| D               |      | 60                 |
| Reduction Ratio |      | 1/22               |

( ) Size in Brake

### Model-D

| Dimensions      | Cap. | 2.2kW×6p, 3.7kW×4p |
|-----------------|------|--------------------|
| A               |      | 570                |
| B               |      | 105                |
| C               |      | 45                 |
| D               |      | 60                 |
| Reduction Ratio |      | 1/22               |

( ) Size in Brake

### GEARED MOTOR SPECIFICATION

|              |                      |
|--------------|----------------------|
| BRAKE        | DC MAGNET DISC BRAKE |
| POWER SOURCE | AC 220V 60Hz         |
|              | AC 380V 60Hz         |
|              | AC 440V 60Hz         |

( ) Size in Brake

# MODEL CLASSIFICATION OF HOIST

## 호이스트 모델 분류법

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



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  
 6 : 6P    B : 12P  
 8 : 8P    Z : 비표준 / NON STANDARD SPECIAL OPTION

L) **14** : MOTOR 절연계급 / INSULATION GROUP OF MOTOR

| 기호<br>/ Code | 절연종류<br>/ Insulation group | 허용최고온도(°C)<br>/ Max. ambient temp(°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  
 A : LOAD LIMITER (ANALOGUE TYPE)

특기사항 / SPECIAL OPTION

Note : COLOR 사양은 당사 표준사양임.

[ HYUNDAI HOIST DREAM & VISION ]

HYUNDAI HOIST CO.,LTD. has a track record of solving the most difficult customers' requirements.

*High Technology System*

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come true with **customers!**



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