



# ELECTRIC WIRE ROPE HOIST



SERIES



# WHY TO SELECT **THAC** HOIST?

## 3-VARIABLE-SPEED HOIST



High safety

Energy Saving

Low Noise

Long Lifetime

- Low speed for exact positioning
- High speed for efficient operation
- Fast speed for enhancing performance

**Increases your productivity & profitability**

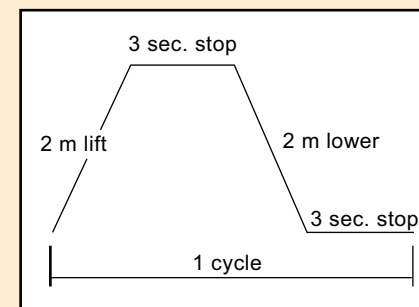
### V type product code

| <u>V</u>                              | <u>03</u> | <u>A</u>                               | <u>4</u> | <u>A</u>                                                             | <u>030</u> | <u>S</u> | <u>-</u> | <u>V</u> | <u>21</u> | <u>S</u> |
|---------------------------------------|-----------|----------------------------------------|----------|----------------------------------------------------------------------|------------|----------|----------|----------|-----------|----------|
| 03: 3 Ton<br>10: 10 Ton               |           | 06: 6.3 Ton<br>1K: 100 Ton             |          | Load                                                                 |            |          |          |          |           |          |
| A: 2/1<br>D: 6/1<br>G: 8/2<br>J: 16/2 |           | B: 4/2<br>E: 6/2<br>H: 10/2<br>K: 20/2 |          | Rope Falls Code                                                      |            |          |          |          |           |          |
| 3:ISO M3<br>5:ISO M5                  |           | 4:ISO M4<br>6:ISO M6                   |          | Duty Code                                                            |            |          |          |          |           |          |
| A: 6M, B: 9M, C: 12M, .....           |           | Height of Lifting Code                 |          |                                                                      |            |          |          |          |           |          |
|                                       |           |                                        |          | S: Single Speed<br>I: Inverter Speed<br>Traversing Speed Rate        |            |          |          |          |           |          |
|                                       |           |                                        |          | Traversing Speed (M/Min)                                             |            |          |          |          |           |          |
|                                       |           |                                        |          | L: Low Headroom Type<br>V: Mono Rail, W: Double Rail<br>Trolley Type |            |          |          |          |           |          |
|                                       |           |                                        |          | S: Single Speed, I: Inverter Speed<br>Lifting Speed Rate             |            |          |          |          |           |          |
|                                       |           |                                        |          | 015: 1.5, 020: 2, 100: 10<br>Lifting Speed(M/Min)                    |            |          |          |          |           |          |

### Lifting motor rating

#### ■ Short time rating ... 30 min

This rating indicates how long the hoist can be operated continuously on the below cycle, assuming continued operation for a short time span.



•Specified for WLL.

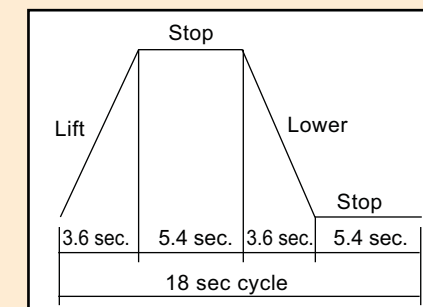
#### ■ Intermittent rating ED percent

... 40%

#### ■ Max. No. of starts per hour

... 400

This rating indicates the ED percent (ratio of motor ON-to-OFF time) and max. No. of starts per hour (how many times the motor is started up in one hour) for a hoist operated continuously on the below cycle, assuming continued operation or repeated starting over a long time span.



•Specified for 63% of WLL.

$$\bullet \text{ED\%} = \frac{\text{Motor ON time (3.6 sec. x 2)}}{1 \text{ cycle (18 sec.)}} \times 100$$

#### • Max. No. of starts per hour (starts/hr)

$$= \frac{1 \text{ hour (3600 sec)}}{1 \text{ cycle (18 sec.)}} \times 2 \text{ (lifting \& lowering)}$$

If using the hoist on a cycle different from the above, use the below formulas to calculate ED percent and the max. No. of starts per hour.

$$\bullet \text{ED\%} = \frac{\text{Total Motor ON time in one hour under the busiest conditions of use (min)}}{60 \text{ min.}} \times 100$$

#### • Max. No. of starts per hour (starts/hr)

= No. of starts in one hour under the busiest conditions of use



## Construction & Features

### ① HOISTING MOTOR

It's optimized motor design for low-vibration and quiet operation. Use the squirrel cage motors with cylindrical rotor for hoisting duty. Type of Protection IP54(IP55 is optional) 40%ED, F Class insulation with thermal contacts to protect against overheating (60%ED is optional).

### ② HOIST GEARING

The geared unit is a 3-stage helical gearbox with high endurance gearing that the material adopts processed alloy steel SCM415 and the heat treated hardness reaches HRC60 degree, solidity, durability and high precision.

### ③ FAST ACTING BRAKE

The disk electromagnetic brake features automatic braking in the event of a power failure. Asbestos-free lining can reach 1,000,000 times under a normal application. (2nd Mechanical Brake is optional. Long-service and trouble-free mechanical brake provides dual braking system to ensure operational safety.)



### ④ LIMIT SWITCH

Automatic cuts off of the hoisting and traveling motions in upper, lower, left and right limit positions; prevent mechanical failure from over traveling of the hook.

### ⑨ OVERLOAD PROTECTION

Mechanical overload protection cuts off the power of motor to prevent object lifting in case of excessive over loading.



### ⑩ FREQUENCY INVERTER CONTROL

A frequency inverter provides variable hoisting speeds for smooth lifting and stop as well as variable cross travel for low-sway travel motions. Fast and exact positioning enhances the performance in overhead material handling. Reducing power consumption to save energy is also the benefit of frequency inverter application.



### ⑪ METER TYPE LIMIT SENSOR

Up and Down Limit positioner is advanced meter type which takes place of traditional limit switch to reduce risk of damage by frequently hitting of rope guide



### ⑫ WELL ORGANIZED CONTROL PANEL

Control Panel is well organized. Provides easy and fast maintenance. Stainless IP65 is optional 220/380/415V, 50/60Hz available



# 3-Variable-Speed Hoist



### ⑤ BOTTOM BLOCK AND HOOK

The 360°swiveling hook is made of high-strength and high resistance forged steel and is fitted swiveling crossbar. The elegant bottom blocks are equipped with protective edging around the rope opening and are provided with an anti-drop safety latch.

### ⑥ ROPE

The rope is made of high fatigue-strength and wear-proof flexible steel. The minimum use coefficient is according to ISO, JIS, CNS & CMAA#70 standard

\*\*\*Standard apply the high strength galvanized steel wire rope.



### ⑦ PROTECTIVE ROPE GUIDE

Made of tough plastic, the rope guide lead-in by means of hardened pressure rollers mounted on anti-friction bearing. The rope guide also reduces wear on the rope and rope drum to enhance the safety and durability.



### ⑧ PUSH BUTTON SWITCH (IP65) WITH EMS

The main line On/Off lets you cut off power by pressing a button close at hand rather than the primary power source. The advanced features of water-proof and dust-prevented meet IP65 improve its flexibility and durability. It is useful for controlling the number of hoists in operation. Emergency stop as our standard specification is the added-on safe device for our valued customers.



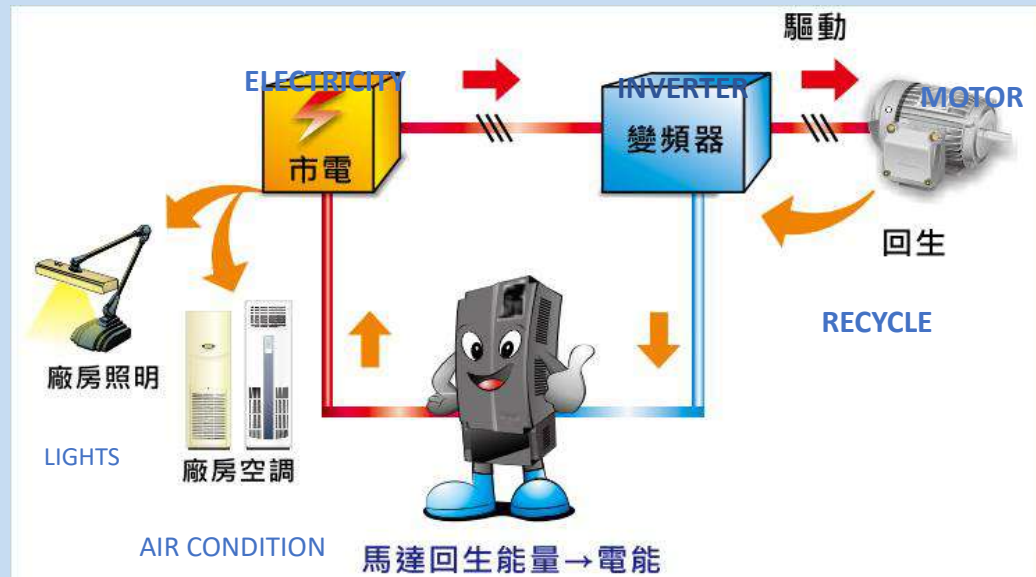
*LED Display Monitor is optional function which provides immediate weight scale for operator*



### 13 Optional Function

#### Electric Energy Recycle System

By using Inverter Electric Energy Recycle Function, it can replace the braking resistor, and reduce the generation of thermal energy. The efficiency of the regenerative energy feedback to electric web is more than 95%, Its power saving effect is significant.



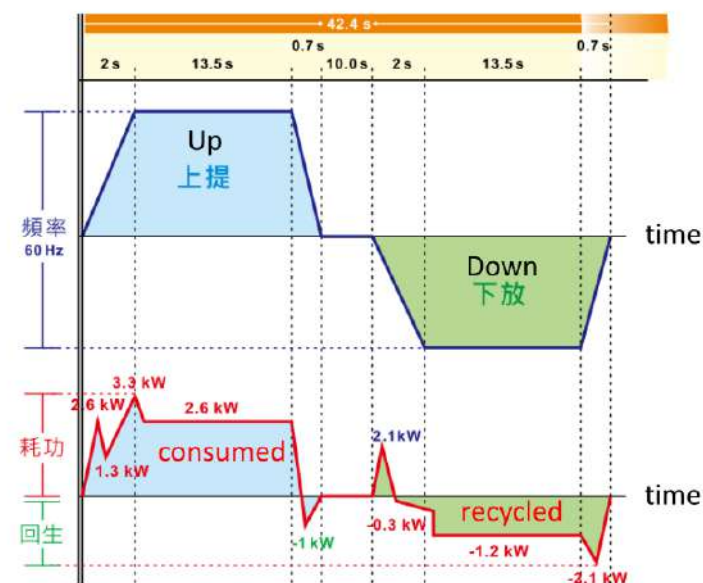
- **Improve motor braking capacity.**

When using 125% of traditional braking units, Delta's feedback unit can reach 150%.

- **Built-in RS-485 (MODBUS) international standard communication interface.**

Can monitor power saving and amount.

- **Supports multiple units in parallel connect to expand the number of Power Factor.**



On a 10-ton crane, the lifting speed is 3.6 m/min, and a 5.5 kW motor is equipped with an electric energy feedback unit. When hanging 3 tons of goods, use power analyzer to compare the power saving rate of 5 times up and down.

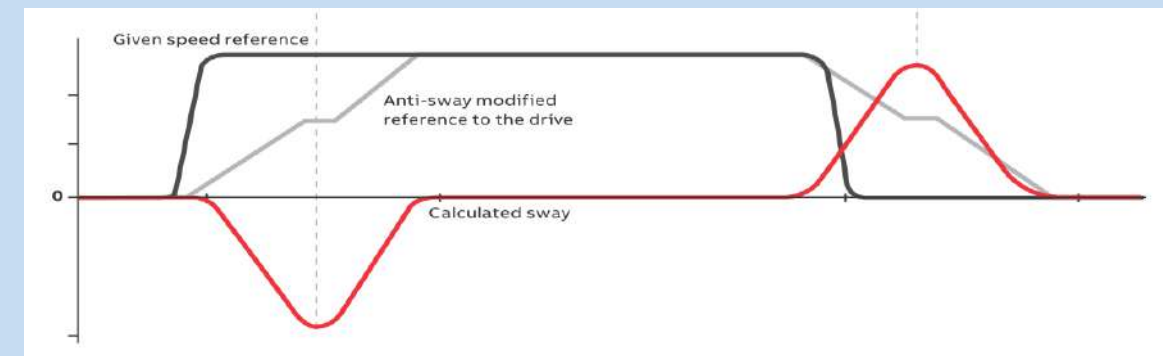
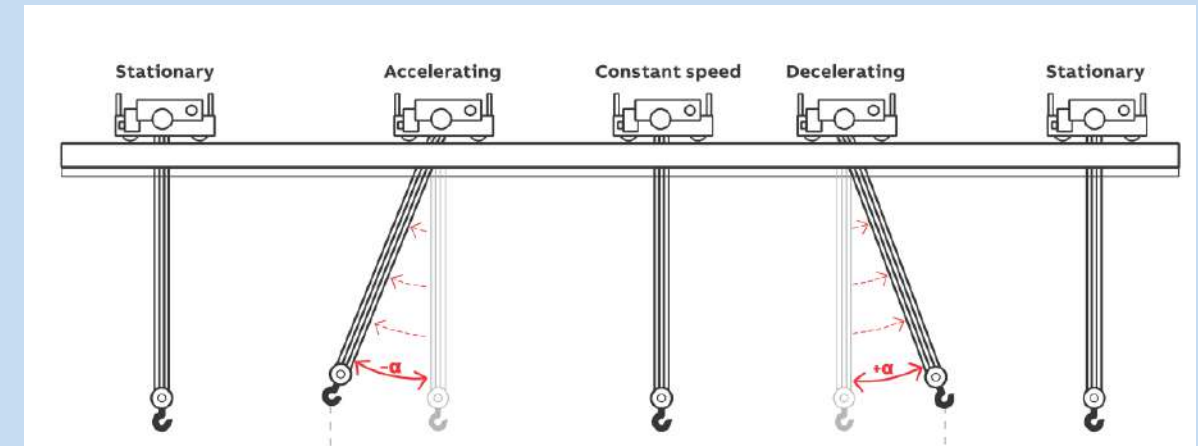
|                      |      |        |
|----------------------|------|--------|
| Energy Recycle       | +Whr | 87.088 |
|                      | -Whr | -28.89 |
| Traditional Resistor | +Whr | 86.033 |
|                      | -Whr | 0      |

**Power saving rate of resistance is 30%**

### 14 Optional Function

#### Senseless Anti-Sway for indoor cranes

Load sway can occur in trolley and long travel movements. Anti-sway control program automatically compensates for it when it happens. The control program creates a mathematical model of the crane's pendulum. It estimates the pendulum's time constant by continually measuring the hoist position and load properties, and then factors in the swing velocity and angle. When the operator changes the speed of the crane's travel, the drive instantly recalculates the required speed reference to compensate for the crane's speed change preventing the load from swaying



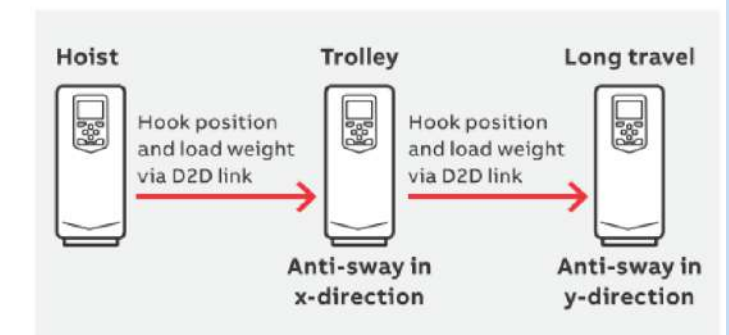
#### Key benefits of anti-sway control

- Improves productivity by letting the crane operator fully focus on moving the goods rather than manually controlling the sway.

- Lowers the risk of accidents and damage to the load caused by uncontrolled sway.

- Built into the drive. Works without external anti-sway sensors and trolley/long travel motor encoders.

- Works simultaneously with bridge and trolley movements in diagonal runs..



The drives communicate with each other via a D2D link. The hook position can also be transmitted with fieldbus or analog communication.

Single Speed

| MODEL           | Load Cap<br>(t) | Lifting Height<br>(m) | Duty Cycle<br>(ISO) | Lifting Speed | Lifting Motor | Trolley Speed | Trolley Motor | Trolley Type |   | Wire Rope |           |
|-----------------|-----------------|-----------------------|---------------------|---------------|---------------|---------------|---------------|--------------|---|-----------|-----------|
|                 |                 |                       |                     | (MPM)<br>50HZ | (KW)<br>50HZ  | (MPM)<br>50HZ | (KW)<br>50HZ  | V            | W | Fall No.  | Dia. (mm) |
| V01A6A080S-*18S | 1.5             | 6                     | M6                  | 8             | 2.8           | 18            | 0.25          | V            | V | 2/1       | 8         |
| V01A6B080S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V01A6C080S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V03C5A040S-*18S | 3(2.8)          | 6                     | M5                  | 4             | 2.8           | 18            | 0.25          | V            | V | 4/1       | 8         |
| V03C5B040S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V03B6A080S-*18S |                 | 6                     |                     |               |               |               |               |              |   |           |           |
| V03B6B080S-*18S |                 | 9                     | M6                  | 8             | 5.5           |               |               |              |   | 4/2       | 8         |
| V03B6C080S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V03A6A080S-*18S |                 | 6                     |                     |               |               |               |               |              |   |           |           |
| V03A6B080S-*18S |                 | 9                     | M6                  | 8             | 5.5           |               |               |              |   | 2/1       | 12        |
| V03A6C080S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05C5A040S-*18S | 5               | 6                     | M5                  | 4             | 5.5           | 18            | 0.6           | V            | V | 4/1★      | 12        |
| V05C5B040S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05C5C040S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05B6A060S-*18S |                 | 6                     | M6                  | 6             | 7             |               |               |              |   | 4/2       | 12        |
| V05B6B060S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05B6C060S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05A6A060S-*18S |                 | 6                     | M6                  | 6             | 7             |               |               |              |   | 2/1       | 14        |
| V05A6B060S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05A6C060S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V06C5A040S-*18S | 6.3             | 6                     | M5                  | 4             | 5.5           | 18            | 0.6           | V            | V | 4/1★      | 12        |
| V06C5B040S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V06C5C040S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10G5A030S-*15S | 10              | 6                     | M5                  | 3             | 7             | 15            | 1.1           | —            |   | 8/2       | 12        |
| V10G5B030S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10G5C030S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10D4A027S-*15S |                 | 6                     | M4                  | 2.7           | 5.5           |               |               |              |   | 6/1       | 12        |
| V10D4B027S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10D4C027S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10C5A030S-*15S |                 | 6                     | M5                  | 3             | 7             |               |               | V            | V | 4/1★      | 14        |
| V10C5B030S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10C5C030S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10B6A060S-*15S |                 | 6                     | M6                  | 6             | 13            |               |               | —            |   | 4/2       | 14        |
| V10B6B060S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10B6C060S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10A6A060S-*15S |                 | 6                     | M6                  | 6             | 13            |               |               | —            |   | 2/1       | 20        |
| V10A6B060S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10A6C060S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15D4A020S-*15S | 15              | 6                     | M4                  | 2             | 7             | 15            | 1.1           | —            | V | 6/1       | 14        |
| V15D4B020S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15D4C020S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15E6A040S-*15S |                 | 6                     | M6                  | 4             | 13            |               |               |              |   | 6/2       | 14        |
| V15E6B040S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15E6C040S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15C6A030S-*15S |                 | 6                     | M6                  | 3             | 13            |               |               |              |   | 4/1★      | 20        |
| V15C6B030S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15C6C030S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V20G5A030S-*15S | 20              | 6                     | M5                  | 3             | 13            | 15            | 1.5           | —            | V | 8/2       | 14        |
| V20G5B030S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V20G5C030S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V20C5A030S-*15S |                 | 6                     | M5                  | 3             | 13            |               |               |              |   | 4/1★      | 20        |
| V20C5B030S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V20C5C030S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V25D5A020S-*15S | 25              | 6                     | M5                  | 2             | 13            | 15            | 1.5           | —            | V | 6/1       | 20        |
| V25D5B020S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V25D5C020S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V30D4A020S-*13S | 30              | 6                     | M4                  | 2             | 13            | 13            | 1.5           | —            | V | 6/1       | 20        |
| V30D4B020S-*13S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V30D4C020S-*13S |                 | 12                    |                     |               |               |               |               |              |   |           |           |

Remark:★ means ISO M6 is option.  
Trolley Type: V: Mono Rail  
W: Double Rail

50HZ

Single Speed

| MODEL           | Load Cap<br>(t) | Lifting Height<br>(m) | Duty Cycle<br>(ISO) | Lifting Speed | Lifting Motor | Trolley Speed | Trolley Motor | Trolley Type |   | Wire Rope |           |
|-----------------|-----------------|-----------------------|---------------------|---------------|---------------|---------------|---------------|--------------|---|-----------|-----------|
|                 |                 |                       |                     | (MPM)<br>60HZ | (KW)<br>60HZ  | (MPM)<br>60HZ | (KW)<br>60HZ  | V            | W | Fall No.  | Dia. (mm) |
| V01A6A096S-*21S | 1.5             | 6                     | M6                  | 9.6           | 3.2           | 21            | 0.25          | V            | V | 2/1       | 8         |
| V01A6B096S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V01A6C096S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V03C5A048S-*21S | 3(2.8)          | 6                     | M5                  | 4.8           | 3.2           | 21            | 0.25          | V            | V | 4/1       | 8         |
| V03C5B048S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V03B6A048S-*21S |                 | 6                     |                     |               |               |               |               |              |   |           |           |
| V03B6B096S-*21S |                 | 9                     | M6                  | 9.6           | 7             |               |               |              |   | 4/2       | 8         |
| V03B6C096S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V03A6A096S-*21S |                 | 6                     |                     |               |               |               |               |              |   |           |           |
| V03A6B096S-*21S |                 | 9                     | M6                  | 9.6           | 7             |               |               |              |   | 2/1       | 12        |
| V03A6C096S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05C5A048S-*21S | 5               | 6                     | M5                  | 4.8           | 7             | 21            | 0.6           | V            | V | 4/1★      | 12        |
| V05C5B048S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05C5C048S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05B6A072S-*21S |                 | 6                     | M6                  | 7.2           | 9.5           |               |               |              |   | 4/2       | 12        |
| V05B6B072S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05B6C072S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V05A6A072S-*21S |                 | 6                     | M6                  | 7.2           | 9.5           |               |               |              |   | 2/1       | 14        |
| V05A6B072S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V05A6C072S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V06C5A048S-*21S | 6.3             | 6                     | M5                  | 4.8           | 7             | 21            | 0.6           | V            | V | 4/1★      | 12        |
| V06C5B048S-*21S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V06C5C048S-*21S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10G5A036S-*18S | 10              | 6                     | M5                  | 3.6           | 9.5           | 18            | 1.1           | —            | V | 8/2       | 12        |
| V10G5B036S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10G5C036S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10D4A032S-*18S |                 | 6                     | M4                  | 3.2           | 7             |               |               |              |   | 6/1       | 12        |
| V10D4B032S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10D4C032S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10C5A036S-*18S |                 | 6                     | M5                  | 3.6           | 9.5           |               |               | V            |   | 4/1★      | 14        |
| V10C5B036S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| C10C5C036S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10B6A072S-*18S |                 | 6                     | M6                  | 7.2           | 18.5          |               |               | —            |   | 4/2       | 14        |
| V10B6B072S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10B6C072S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V10A6A072S-*18S |                 | 6                     | M6                  | 7.2           | 18.5          |               |               | —            |   | 2/1       | 20        |
| V10A6B072S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V10A6C072S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15D4A024S-*18S | 15              | 6                     | M4                  | 2.4           | 9.5           | 18            | 1.1           | —            | V | 6/1       | 14        |
| V15D4B024S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15D4C024S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15E6A048S-*18S |                 | 6                     | M6                  | 4.8           | 18.5          |               |               |              |   | 6/2       | 14        |
| V15E6B048S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15E6C048S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V15C6A036S-*18S |                 | 6                     | M6                  | 3.6           | 18.5          |               |               |              |   | 4/1★      | 20        |
| V15C6B036S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V15C6C036S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V20G5A036S-*18S | 20              | 6                     | M5                  | 3.6           | 18.5          | 18            | 1.5           | —            | V | 8/2       | 14        |
| V20G5B036S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V20G5C036S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V20C5A036S-*18S |                 | 6                     | M5                  | 3.6           | 18.5          |               |               |              |   | 4/1★      | 20        |
| V20C5B036S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V20C5C036S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V25D5A024S-*18S | 25              | 6                     | M5                  | 2.4           | 18.5          | 18            | 1.5           | —            | V | 6/1       | 20        |
| V25D5B024S-*18S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V25D5C024S-*18S |                 | 12                    |                     |               |               |               |               |              |   |           |           |
| V30D4A024S-*15S | 30              | 6                     | M4                  | 2.4           | 18.5          | 15            | 1.5           | —            | V | 6/1       | 20        |
| V30D4B024S-*15S |                 | 9                     |                     |               |               |               |               |              |   |           |           |
| V30D4C024S-*15S |                 | 12                    |                     |               |               |               |               |              |   |           |           |

## Inverter Speed

**50HZ/60HZ**

| MODEL           | Load Cap<br>(t) | Lifting Height<br>(m) | Duty Cycle<br>(ISO) | Lifting Speed<br>(MPM) | Lifting Motor<br>(KW) | Trolley Speed<br>(MPM) | Trolley Motor<br>(KW) | Trolley Type |      | Wire Rope |           |
|-----------------|-----------------|-----------------------|---------------------|------------------------|-----------------------|------------------------|-----------------------|--------------|------|-----------|-----------|
|                 |                 |                       |                     | 50HZ/60HZ              | 50HZ/60HZ             | 50HZ/60HZ              | 50HZ/60HZ             | V            | W    | Fall No.  | Dia. (mm) |
| V01A6A080I-*18I | 1.5             | 6                     | M6                  | 0.8->8->*16            | 2.8                   | 4.5->18                | 0.25                  | V            | V    | 2/1       | 8         |
| V01A6B080I-*18I |                 | 9                     |                     |                        |                       |                        |                       |              |      |           |           |
| V01A6C080I-*18I |                 | 12                    |                     |                        |                       |                        |                       |              |      |           |           |
| V03C5A040I-*18I | 3(2.8)          | 6                     | M5                  | 0.4->4->*8             | 2.8                   | 4.5->18                | 0.25                  | V            | V    | 4/1       | 8         |
| V03C5B040I-*18I |                 | 9                     |                     |                        |                       |                        |                       |              |      |           |           |
| V03B6A080I-*18I |                 | 6                     |                     |                        |                       |                        |                       |              |      |           |           |
| V03B6B080I-*18I |                 | 9                     | M6                  | 0.8->8->*16            | 5.5                   |                        |                       |              |      | 4/2       |           |
| V03B6C080I-*18I |                 | 12                    |                     |                        |                       |                        |                       |              |      |           |           |
| V03A6A080I-*18I |                 | 6                     |                     |                        |                       |                        |                       |              |      |           |           |
| V03A6B080I-*18I |                 | 9                     | M6                  | 0.8->8->*16            | 5.5                   |                        |                       |              |      | 2/1       | 12        |
| V03A6C080I-*18I |                 | 12                    |                     |                        |                       |                        |                       |              |      |           |           |
| V05C5A040I-*18I |                 | 6                     |                     |                        |                       |                        |                       |              |      |           |           |
| V05C5B040I-*18I | 9               | M5                    | 0.4->4->*8          | 5.5                    | 4.5->18               | 0.6                    | V                     | V            | 4/1★ | 12        |           |
| V05C5C040I-*18I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V05B6A060I-*18I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V05B6B060I-*18I | 9               | M6                    | 0.6->6->*12         | 7                      |                       |                        |                       |              | 4/2  | 12        |           |
| V05B6C060I-*18I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V05A6A060I-*18I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V05A6B060I-*18I | 9               | M6                    | 0.6->6->*12         | 7                      |                       |                        |                       |              | 2/1  | 14        |           |
| V05A6C060I-*18I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V06C5A040I-*18I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V06C5B040I-*18I | 9               | M5                    | 0.4->4->*8          | 5.5                    | 4.5->18               | 0.6                    | V                     | V            | 4/1★ | 12        |           |
| V06C5C040I-*18I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10G5A030I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10G5B030I-*15I | 9               | M5                    | 0.3->3->*6          | 7                      | 3.75->15              | 1.1                    | —                     | V            | 8/2  | 12        |           |
| V10G5C030I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10D4A027I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10D4B027I-*15I | 9               | M4                    | 0.27->2.7->*5.4     | 5.5                    |                       |                        |                       |              | 6/1  | 12        |           |
| V10D4C027I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10C5A030I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10C5B030I-*15I | 9               | M5                    | 0.3->3->*6          | 7                      |                       |                        |                       |              | 4/1★ | 14        |           |
| V10C5C030I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10B6A060I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10B6B060I-*15I | 9               | M6                    | 0.6->6->*12         | 13                     | 4/2                   | 14                     |                       |              |      |           |           |
| V10B6C060I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10A6A060I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V10A6B060I-*15I | 9               | M6                    | 0.6->6->*12         | 13                     | 2/1                   | 20                     |                       |              |      |           |           |
| V10A6C060I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15D4A020I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15D4B020I-*15I | 9               | M4                    | 0.2->2->*4          | 7                      | 3.75->15              | 1.1                    | —                     | V            | 6/1  | 14        |           |
| V15D4C020I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15E6A040I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15E6B040I-*15I | 9               | M6                    | 0.4->4->*8          | 13                     |                       |                        |                       |              | 6/2  | 14        |           |
| V15E6C040I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15C6A030I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V15C6B030I-*15I | 9               | M6                    | 0.3->3->*6          | 13                     |                       |                        |                       |              | 4/1★ | 20        |           |
| V15C6C030I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20G5A030I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20G5B030I-*15I | 9               | M5                    | 0.3->3->*6          | 13                     | 3.75->15              | 1.5                    | —                     | V            | 8/2  | 14        |           |
| V20G5C030I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20C5A030I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20C5B030I-*15I | 9               | M5                    | 0.3->3->*6          | 13                     |                       |                        |                       |              | 4/1★ | 20        |           |
| V20C5C030I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20B6A060I-*15I | 6               |                       |                     |                        |                       |                        |                       |              |      |           |           |
| V20B6B060I-*15I | 9               | M6                    | 0.6->6->*12         | 23.5                   |                       |                        |                       |              | 4/2  | 20        |           |
| V20B6C060I-*15I | 12              |                       |                     |                        |                       |                        |                       |              |      |           |           |

## Inverter Speed

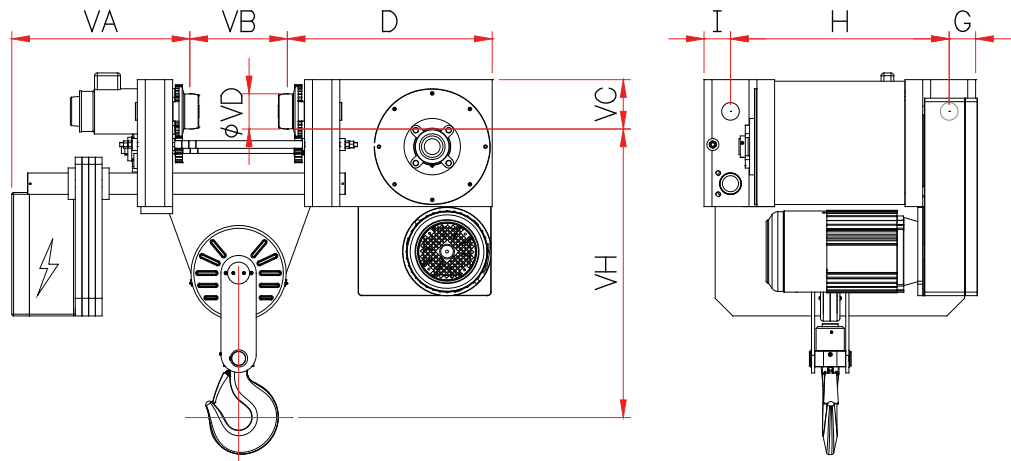
## 50HZ/60HZ

| MODEL           | Load Cap<br>(t) | Lifting Height<br>(m) | Duty Cycle<br>(ISO) | Lifting Speed<br>(MPM) | Lifting Motor<br>(KW) | Trolley Speed<br>(MPM) | Trolley Motor<br>(KW) | Trolley Type |   | Wire Rope |           |
|-----------------|-----------------|-----------------------|---------------------|------------------------|-----------------------|------------------------|-----------------------|--------------|---|-----------|-----------|
|                 |                 |                       |                     | 50HZ/60HZ              | 50HZ/60HZ             | 50HZ/60HZ              | 50HZ/60HZ             | V            | W | Fall No.  | Dia. (mm) |
| V25C5A030I-*15I | 25              | 6                     | M5                  | 0.3->3->*6             | 18.5                  | 3.75->15               | 1.5                   | —            | V | 4/1       | 20        |
| V25C5B030I-*15I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V25C5C030I-*15I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V25D5A020I-*15I |                 | 6                     | M5                  | 0.2->2->*4             | 13                    |                        |                       |              |   | 6/1       | 20        |
| V25D5B020I-*15I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V25D5C020I-*15I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V25E6A040I-*15I |                 | 6                     | M6                  | 0.4->4->*8             | 23.5                  |                        |                       |              |   | 6/2       | 20        |
| V25E6B040I-*15I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V25E6C040I-*15I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V30D4A020I-*13I | 30              | 6                     | M4                  | 0.2->2->*4             | 13                    | 3.25->13               | 1.5                   | —            | V | 6/1       | 20        |
| V30D4B020I-*13I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V30D4C020I-*13I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V30E5A040I-*13I |                 | 6                     | M5                  | 0.4->4->*8             | 23.5                  |                        |                       |              |   | 6/2       | 20        |
| V30E5B040I-*13I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V30E5C040I-*13I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V30B6A056I-*15I |                 | 6                     | M6                  | 0.56->5.6->*11.2       | 45                    |                        |                       |              |   | 4/2       | 25        |
| V30B6B056I-*15I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V30B6C056I-*15I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V40F4B015I-*13I | 40              | 9                     | M4                  | 0.15->1.5->*3          | 13                    | 3.25->13               | 1.1*2 Pcs             | —            | V | 8/1       | 20        |
| V40G5B030I-*13I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V40G5D030I-*13I |                 | M5                    | 0.3->3->*6          | 23.5                   | 8/2                   |                        |                       |              |   | 20        |           |
| V40G5F030I-*13I |                 |                       |                     |                        |                       |                        |                       |              |   |           | 15        |
| V45E5A037I-*13I | 45              | 6                     | M5                  | 0.37->3.7->*7.4        | 45                    | 3.25->13               | 1.1*2 Pcs             | —            | V | 6/2       | 25        |
| V45E5B037I-*13I |                 | 9                     |                     |                        |                       |                        |                       |              |   |           |           |
| V45E5C037I-*13I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V50H5B024I-*13I | 50              | 9                     | M5                  | 0.24->2.4->*4.8        | 23.5                  | 3.25->13               | 1.1*2 Pcs             | —            | V | 10/2      | 20        |
| V50H5D024I-*13I |                 | 15                    |                     |                        |                       |                        |                       |              |   |           |           |
| V50H5F024I-*13I |                 | 21                    |                     |                        |                       |                        |                       |              |   |           |           |
| V60G5B028I-*13I | 60              | 9                     | M5                  | 0.28->2.8->*5.6        | 45                    | 3.25->13               | 1.1*2 Pcs             | —            | V | 8/2       | 25        |
| V60G5D028I-*13I |                 | 15                    |                     |                        |                       |                        |                       |              |   |           |           |
| V60G5F028I-*13I |                 | 21                    |                     |                        |                       |                        |                       |              |   |           |           |
| V60I4B020I-*13I |                 | 9                     | M4                  | 0.2->2->*4             | 23.5                  |                        |                       |              |   | 12/2      | 20        |
| V60I4C020I-*13I |                 | 12                    |                     |                        |                       |                        |                       |              |   |           |           |
| V60I4E020I-*13I |                 | 18                    |                     |                        |                       |                        |                       |              |   |           |           |
| V80H4C022I-*11I | 80              | 12                    | M4                  | 0.22->2.2->*4.4        | 45                    | 2.75->11               | 1.1*2 Pcs             | —            | V | 10/2      | 25        |
| V80H4D022I-*11I |                 | 15                    |                     |                        |                       |                        |                       |              |   |           |           |
| V80H4E022I-*11I |                 | 18                    |                     | 0.15->1.5->*2          | 23.5                  |                        |                       |              |   | 16/2      | 20        |
| V80J4D015I-*11I |                 | 15                    |                     |                        |                       |                        |                       |              |   |           |           |
| V1KI4D018I-*11I | 100             | 15                    | M4                  | 0.18->1.8->*3.6        | 45                    | 2.75->11               | 1.5*2 Pcs             | —            | V | 12/2      | 25        |
| V1KI4F018I-*11I |                 | 21                    |                     |                        |                       |                        |                       |              |   |           |           |
| V1KK4C012I-*11I |                 | 10                    |                     |                        |                       |                        |                       |              |   |           |           |
| VK2J4E014I-*11I | 120             | 18                    | M4                  | 0.14->1.4->*2.8        | 45                    | 2.75->11               | 1.5*2 Pcs             | —            | V | 16/2      | 25        |

Remark: ★ means ISO M6 is option.  
Trolley Type: V: Mono Rail  
W: Double Rail  
Speed\* means when no loading



LOW HEADROOM TYPE  
REEVING: 2/1

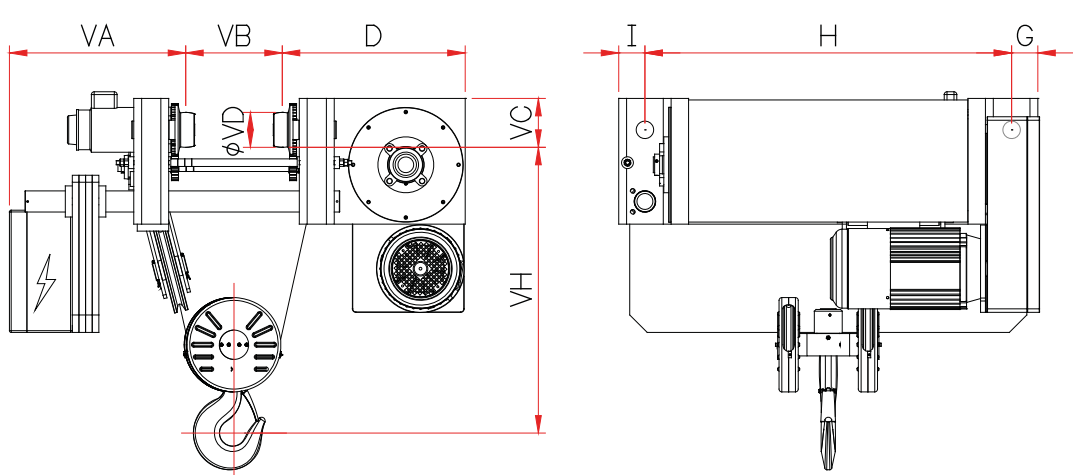


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |             | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|-------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter    | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ   | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V01A6A080*-L18* | 1.5          | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6B080*-L18* | 1.5          | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6C080*-L18* | 1.5          | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V03A6A080*-L18* | 3(2.8)       | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6B080*-L18* | 3(2.8)       | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6C080*-L18* | 3(2.8)       | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V05A6A060*-L18* | 5            | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6B060*-L18* | 5            | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6C060*-L18* | 5            | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V10A6A060*-L15* | 10           | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6B060*-L15* | 10           | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6C060*-L15* | 10           | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |

| ITEM No.        | Load Cap (t) | G   | H   | I   | VA  | VB      | VC  | VD  | VH   | D   | N.W.(kg) |
|-----------------|--------------|-----|-----|-----|-----|---------|-----|-----|------|-----|----------|
| V01A6A080*-L18* | 1.5          | 100 | 445 | 65  | 445 | 150~250 | 100 | 70  | 860  | 380 | 460      |
| V01A6B080*-L18* | 1.5          | 100 | 595 | 65  | 445 | 150~250 | 100 | 70  | 860  | 380 | 490      |
| V01A6C080*-L18* | 1.5          | 100 | 745 | 65  | 445 | 150~250 | 100 | 70  | 860  | 380 | 520      |
| V03A6A080*-L18* | 3(2.8)       | 135 | 490 | 75  | 505 | 150~250 | 115 | 70  | 950  | 524 | 930      |
| V03A6B080*-L18* | 3(2.8)       | 135 | 590 | 75  | 505 | 150~250 | 115 | 70  | 950  | 524 | 990      |
| V03A6C080*-L18* | 3(2.8)       | 135 | 690 | 75  | 505 | 150~250 | 115 | 70  | 950  | 524 | 1050     |
| V05A6A060*-L18* | 5            | 135 | 520 | 75  | 505 | 150~250 | 140 | 100 | 1020 | 581 | 900      |
| V05A6B060*-L18* | 5            | 135 | 620 | 75  | 505 | 150~250 | 140 | 100 | 1020 | 581 | 950      |
| V05A6C060*-L18* | 5            | 135 | 720 | 75  | 505 | 150~250 | 140 | 100 | 1020 | 581 | 1000     |
| V10A6A060*-L15* | 10           | 114 | 570 | 114 | 620 | 300~400 | 230 | 160 | 1170 | 610 | 1970     |
| V10A6B060*-L15* | 10           | 114 | 690 | 114 | 620 | 300~400 | 230 | 160 | 1170 | 610 | 2090     |
| V10A6C060*-L15* | 10           | 114 | 800 | 114 | 620 | 300~400 | 230 | 160 | 1170 | 610 | 2240     |

Speed\* means no loading

LOW HEADROOM TYPE  
REEVING: 4/2

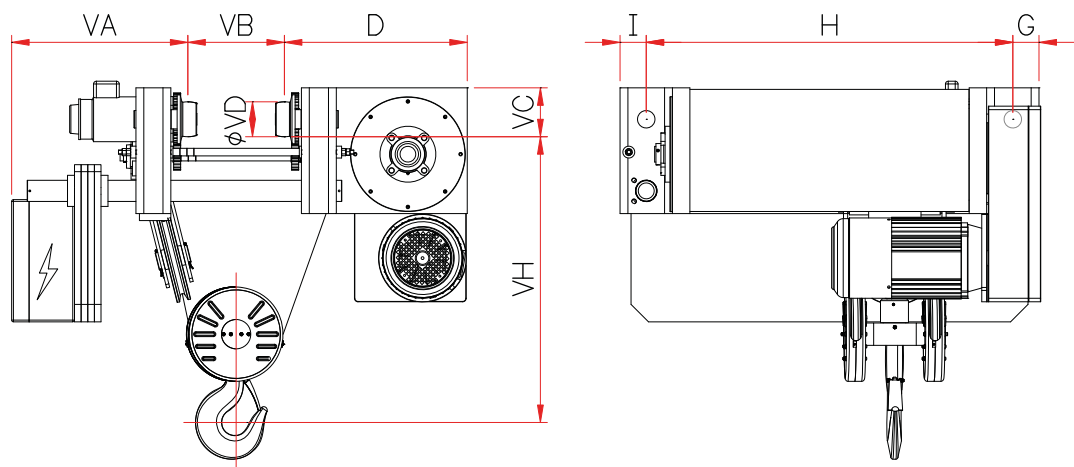


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |       |             | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|-------|-------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |       | Inverter    | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60 HZ | 50HZ/60HZ   | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V03B6A080*-L18* | 3(2.8)       | 6        | M6         | 8                  | 9.6   | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6B080*-L18* | 3(2.8)       | 9        | M6         | 8                  | 9.6   | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6C080*-L18* | 3(2.8)       | 12       | M6         | 8                  | 9.6   | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V05B6A060*-L18* | 5            | 6        | M6         | 6                  | 7.2   | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6B060*-L18* | 5            | 9        | M6         | 6                  | 7.2   | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6C060*-L18* | 5            | 12       | M6         | 6                  | 7.2   | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V10B6A060*-L15* | 10           | 6        | M6         | 6                  | 7.2   | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6B060*-L15* | 10           | 9        | M6         | 6                  | 7.2   | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6C060*-L15* | 10           | 12       | M6         | 6                  | 7.2   | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | G   | H    | I   | VA  | VB      | VC  | VD  | VH  | D   | N.W.(kg) |
|-----------------|--------------|-----|------|-----|-----|---------|-----|-----|-----|-----|----------|
| V03B6A080*-L18* | 3(2.8)       | 75  | 730  | 75  | 505 | 150~250 | 115 | 70  | 818 | 524 | 460      |
| V03B6B080*-L18* | 3(2.8)       | 75  | 898  | 75  | 505 | 150~250 | 115 | 70  | 818 | 524 | 490      |
| V03B6C080*-L18* | 3(2.8)       | 75  | 1066 | 75  | 505 | 150~250 | 115 | 70  | 818 | 524 | 520      |
| V05B6A060*-L18* | 5            | 75  | 1050 | 75  | 505 | 150~250 | 140 | 100 | 818 | 581 | 930      |
| V05B6B060*-L18* | 5            | 75  | 1050 | 75  | 505 | 150~250 | 140 | 100 | 818 | 581 | 990      |
| V05B6C060*-L18* | 5            | 75  | 1250 | 75  | 505 | 150~250 | 140 | 100 | 818 | 581 | 1050     |
| V10B6A060*-L15* | 10           | 114 | 1020 | 114 | 620 | 300~400 | 230 | 160 | 910 | 610 | 1970     |
| V10B6B060*-L15* | 10           | 114 | 1300 | 114 | 620 | 300~400 | 230 | 160 | 910 | 610 | 2090     |
| V10B6C060*-L15* | 10           | 114 | 1480 | 114 | 620 | 300~400 | 230 | 160 | 910 | 610 | 2240     |

Speed\* means no loading

LOW HEADROOM TYPE  
REEVING: 4/1

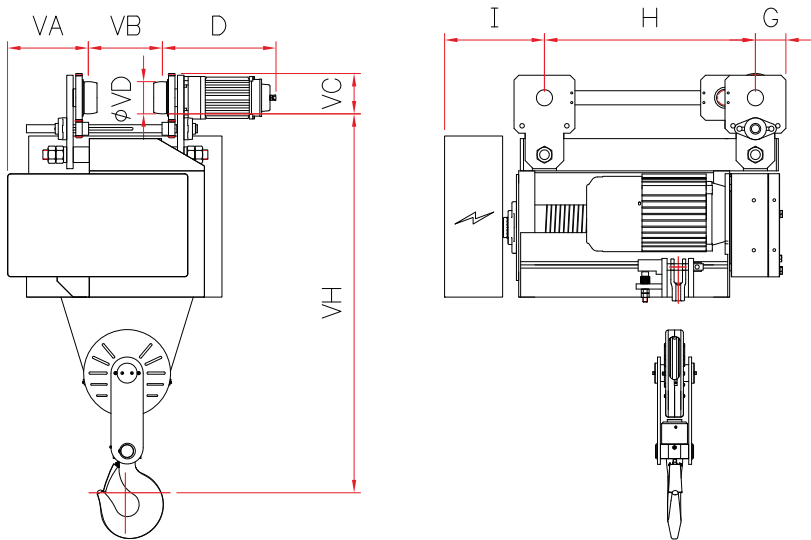


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |            | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter   | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ  | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
|                 |              |          |            | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V03C5A040*-L18* | 3            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V03C5B040*-L18* | 3            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V05C5A040*-L18* | 5            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5B040*-L18* | 5            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5C040*-L18* | 5            | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5A040*-L18* | 6.3          | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5B040*-L18* | 6.3          | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5C040*-L18* | 6.3          | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V10C5A030*-L15* | 10           | 6        | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5B030*-L15* | 10           | 9        | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5C030*-L15* | 10           | 12       | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | G   | H    | I   | VA  | VB      | VC  | VD  | VH  | D   | N.W.(kg) |
|-----------------|--------------|-----|------|-----|-----|---------|-----|-----|-----|-----|----------|
| V03C5A040*-L18* | 3            | 65  | 745  | 65  | 445 | 150~250 | 100 | 70  | 750 | 380 | 490      |
| V03C5B040*-L18* | 3            | 65  | 935  | 65  | 445 | 150~250 | 100 | 70  | 750 | 380 | 550      |
| V05C5A040*-L18* | 5            | 75  | 804  | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 930      |
| V05C5B040*-L18* | 5            | 75  | 1000 | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 990      |
| V05C5C040*-L18* | 5            | 75  | 1196 | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 1050     |
| V06C5A040*-L18* | 6.3          | 75  | 804  | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 930      |
| V06C5B040*-L18* | 6.3          | 75  | 1000 | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 990      |
| V06C5C040*-L18* | 6.3          | 75  | 1196 | 75  | 505 | 150~250 | 140 | 100 | 818 | 524 | 1050     |
| V10C5A030*-L15* | 10           | 114 | 800  | 114 | 548 | 300~400 | 162 | 160 | 954 | 581 | 1510     |
| V10C5B030*-L15* | 10           | 114 | 1248 | 114 | 548 | 300~400 | 162 | 160 | 954 | 581 | 1640     |
| V10C5C030*-L15* | 10           | 114 | 1696 | 114 | 548 | 300~400 | 162 | 160 | 954 | 581 | 1770     |

Speed\* means no loading

MONO RAIL TYPE  
REEVING: 2/1



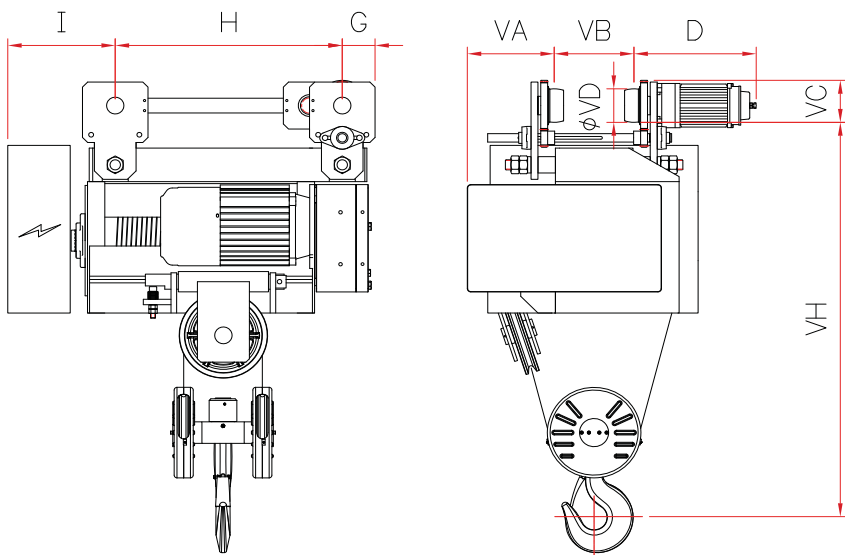
| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |             | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|-------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter    | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ   | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
|                 |              |          |            | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6A080*-V18* | 1.5          | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6B080*-V18* | 1.5          | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6C080*-V18* | 1.5          | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V03A6A080*-V18* | 3(2.8)       | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6B080*-V18* | 3(2.8)       | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6C080*-V18* | 3(2.8)       | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V05A6A060*-V18* | 5            | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6B060*-V18* | 5            | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6C060*-V18* | 5            | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V10A6A060*-V15* | 10           | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6B060*-V15* | 10           | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6C060*-V15* | 10           | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | G   | H    | I   | VA  | VB      | VC  | VD  | VH   | D   | N.W.(kg) |
|-----------------|--------------|-----|------|-----|-----|---------|-----|-----|------|-----|----------|
| V01A6A080*-V18* | 1.5          | 95  | 360  | 250 | 155 | 150~250 | 110 | 70  | 1100 | 320 | 300      |
| V01A6B080*-V18* | 1.5          | 95  | 500  | 250 | 155 | 150~250 | 110 | 70  | 1100 | 320 | 330      |
| V01A6C080*-V18* | 1.5          | 95  | 640  | 250 | 155 | 150~250 | 110 | 70  | 1100 | 320 | 360      |
| V03A6A080*-V18* | 3(2.8)       | 95  | 540  | 350 | 215 | 150~250 | 125 | 100 | 1360 | 360 | 760      |
| V03A6B080*-V18* | 3(2.8)       | 95  | 640  | 350 | 215 | 150~250 | 125 | 100 | 1360 | 360 | 820      |
| V03A6C080*-V18* | 3(2.8)       | 95  | 740  | 350 | 215 | 150~250 | 125 | 100 | 1360 | 360 | 880      |
| V05A6A060*-V18* | 5            | 95  | 820  | 350 | 220 | 150~250 | 125 | 100 | 1580 | 360 | 790      |
| V05A6B060*-V18* | 5            | 95  | 920  | 350 | 220 | 150~250 | 125 | 100 | 1580 | 360 | 840      |
| V05A6C060*-V18* | 5            | 95  | 1020 | 350 | 220 | 150~250 | 125 | 100 | 1580 | 360 | 890      |
| V10A6A060*-V15* | 10           | 125 | 850  | 388 | 470 | 300~400 | 180 | 160 | 1870 | 380 | 2430     |
| V10A6B060*-V15* | 10           | 125 | 850  | 388 | 470 | 300~400 | 180 | 160 | 1870 | 380 | 1550     |
| V10A6C060*-V15* | 10           | 125 | 990  | 388 | 470 | 300~400 | 180 | 160 | 1870 | 380 | 1700     |

Speed\* means no loading



MONO RAIL TYPE  
REEVING: 4/2

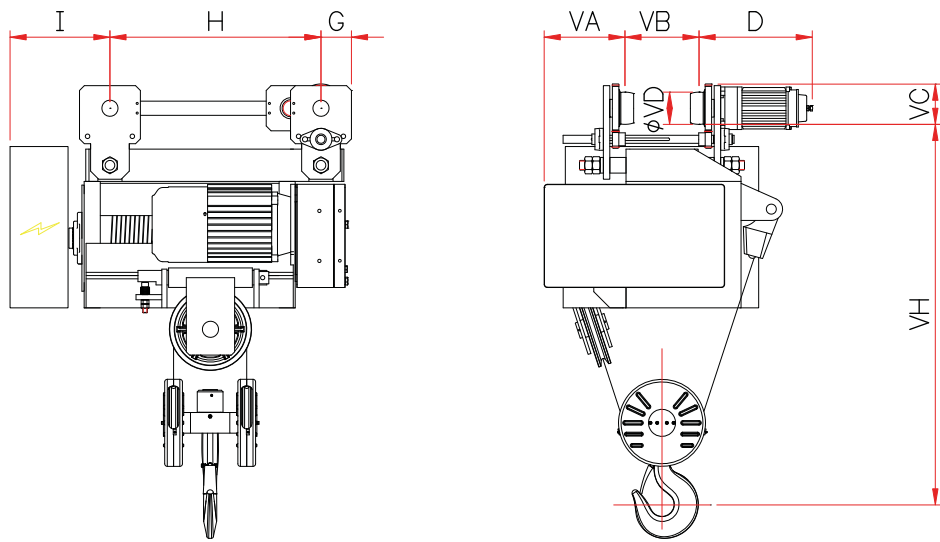


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |             | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|-------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter    | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ   | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V03B6A080*-V18* | 3(2.8)       | 6        | M6         | 8                  | 9.6  | 0.8>8->*16  | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6B080*-V18* | 3(2.8)       | 9        | M6         | 8                  | 9.6  | 0.8>8->*16  | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6C080*-V18* | 3(2.8)       | 12       | M6         | 8                  | 9.6  | 0.8>8->*16  | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V05B6A060*-V18* | 5            | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6B060*-V18* | 5            | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6C060*-V18* | 5            | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V10B6A060*-V15* | 10           | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6B060*-V15* | 10           | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6C060*-V15* | 10           | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | G   | H    | I   | VA  | VB      | VC  | VD  | VH   | D   | N.W.(kg) |
|-----------------|--------------|-----|------|-----|-----|---------|-----|-----|------|-----|----------|
| V03B6A080*-V18* | 3(2.8)       | 100 | 791  | 380 | 195 | 150~250 | 100 | 70  | 1200 | 350 | 760      |
| V03B6B080*-V18* | 3(2.8)       | 100 | 991  | 380 | 195 | 150~250 | 100 | 70  | 1200 | 350 | 820      |
| V03B6C080*-V18* | 3(2.8)       | 100 | 1191 | 380 | 195 | 150~250 | 100 | 70  | 1200 | 350 | 880      |
| V05B6A060*-V18* | 5            | 100 | 1420 | 380 | 100 | 150~250 | 125 | 100 | 1430 | 350 | 790      |
| V05B6B060*-V18* | 5            | 100 | 1616 | 380 | 100 | 150~250 | 125 | 100 | 1430 | 350 | 840      |
| V05B6C060*-V18* | 5            | 100 | 1812 | 380 | 100 | 150~250 | 125 | 100 | 1430 | 350 | 890      |
| V10B6A060*-V15* | 10           | 100 | 1100 | 380 | 160 | 300~400 | 182 | 160 | 1600 | 422 | 1430     |
| V10B6B060*-V15* | 10           | 100 | 1300 | 380 | 160 | 300~400 | 182 | 160 | 1600 | 422 | 1550     |
| V10B6C060*-V15* | 10           | 100 | 1500 | 380 | 160 | 300~400 | 182 | 160 | 1600 | 422 | 1700     |

Speed\* means no loading

MONO RAIL TYPE  
REEVING: 4/1

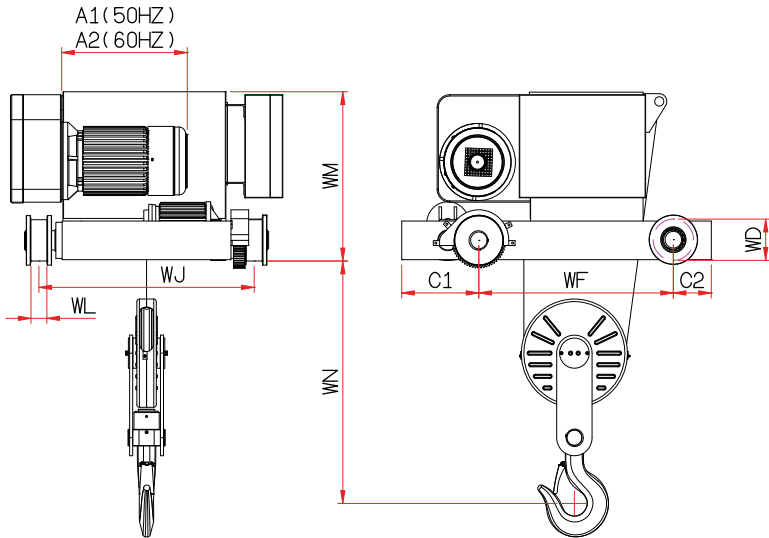


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |            | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter   | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ  | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V03C5A040*-V18* | 3            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V03C5B040*-V18* | 3            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V05C5A040*-V18* | 5            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5B040*-V18* | 5            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5C040*-V18* | 5            | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5A040*-V18* | 6.3          | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5B040*-V18* | 6.3          | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5C040*-V18* | 6.3          | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V10C5A030*-V15* | 10           | 6        | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5B030*-V15* | 10           | 9        | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5C030*-V15* | 10           | 12       | M5         | 3                  | 3.6  | 0.3->3->*6 | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | G   | H    | I   | VA  | VB      | VC  | VD  | VH   | D   | N.W.(kg) |
|-----------------|--------------|-----|------|-----|-----|---------|-----|-----|------|-----|----------|
| V03C5A040*-V18* | 3            | 90  | 560  | 225 | 240 | 150~250 | 90  | 70  | 1200 | 343 | 370      |
| V03C5B040*-V18* | 3            | 90  | 750  | 225 | 240 | 150~250 | 90  | 70  | 1200 | 343 | 420      |
| V05C5A040*-V18* | 5            | 95  | 655  | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 760      |
| V05C5B040*-V18* | 5            | 95  | 851  | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 820      |
| V05C5C040*-V18* | 5            | 95  | 1047 | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 880      |
| V06C5A040*-V18* | 6.3          | 95  | 655  | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 760      |
| V06C5B040*-V18* | 6.3          | 95  | 851  | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 820      |
| V06C5C040*-V18* | 6.3          | 95  | 1047 | 310 | 251 | 150~250 | 126 | 100 | 1180 | 353 | 880      |
| V10C5A030*-V15* | 10           | 125 | 722  | 383 | 365 | 300~400 | 182 | 160 | 1453 | 422 | 950      |
| V10C5B030*-V15* | 10           | 125 | 946  | 383 | 365 | 300~400 | 182 | 160 | 1453 | 422 | 1040     |
| V10C5C030*-V15* | 10           | 125 | 1170 | 383 | 365 | 300~400 | 182 | 160 | 1453 | 422 | 1130     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 2/1

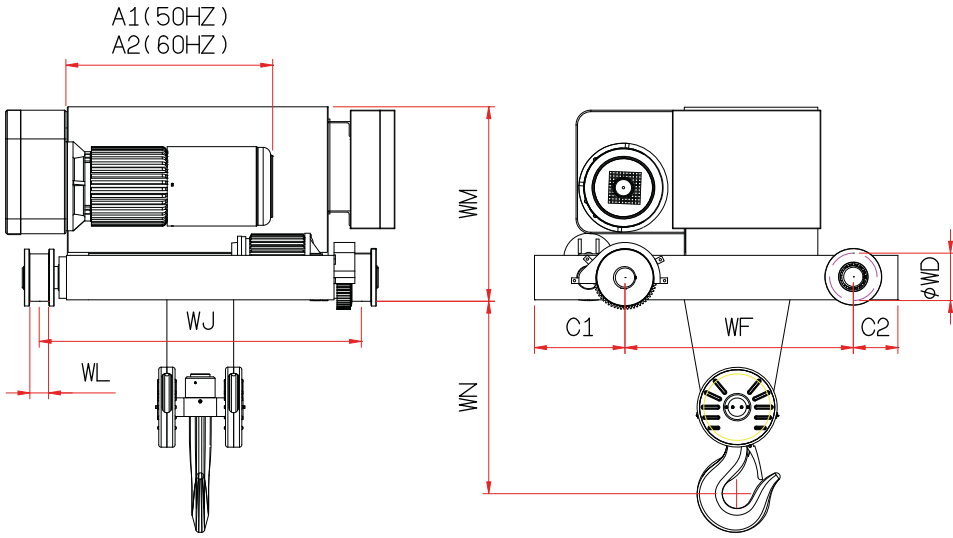


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |             | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|-------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter    | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ   | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V01A6A080*-W18* | 1.5          | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6B080*-W18* | 1.5          | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V01A6C080*-W18* | 1.5          | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 8   | 6*37+FC      |
| V03A6A080*-W18* | 3(2.8)       | 6        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6B080*-W18* | 3(2.8)       | 9        | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V03A6C080*-W18* | 3(2.8)       | 12       | M6         | 8                  | 9.6  | 0.8->8->*16 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 2/1       | 12  | 6*37+FC      |
| V05A6A060*-W18* | 5            | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6B060*-W18* | 5            | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V05A6C060*-W18* | 5            | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 2/1       | 14  | 6*Fi(29)IWRC |
| V10A6A060*-W15* | 10           | 6        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6B060*-W15* | 10           | 9        | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |
| V10A6C060*-W15* | 10           | 12       | M6         | 6                  | 7.2  | 0.6->6->*12 | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 2/1       | 20  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN  | WM  | WF  | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|-----|-----|-----|----------|
| V01A6A080*-W18* | 1.5          | 500  | 500  | 65  | 50  | 45 | 70  | 800  | 500 | 360 | 450 | 330      |
| V01A6B080*-W18* | 1.5          | 500  | 500  | 65  | 50  | 45 | 70  | 800  | 500 | 360 | 450 | 360      |
| V01A6C080*-W18* | 1.5          | 500  | 500  | 65  | 50  | 45 | 70  | 800  | 500 | 360 | 450 | 390      |
| V03A6A080*-W18* | 3(2.8)       | 644  | 644  | 50  | 75  | 60 | 70  | 800  | 673 | 606 | 680 | 800      |
| V03A6B080*-W18* | 3(2.8)       | 644  | 644  | 50  | 75  | 60 | 70  | 800  | 673 | 606 | 680 | 860      |
| V03A6C080*-W18* | 3(2.8)       | 644  | 644  | 50  | 75  | 60 | 70  | 800  | 673 | 606 | 680 | 920      |
| V05A6A060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 980  | 684 | 625 | 710 | 800      |
| V05A6B060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 980  | 684 | 625 | 710 | 850      |
| V05A6C060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 980  | 684 | 625 | 710 | 900      |
| V10A6A060*-W15* | 10           | 1008 | 1008 | 295 | 150 | 63 | 160 | 1230 | 940 | 656 | 870 | 1432     |
| V10A6B060*-W15* | 10           | 1008 | 1008 | 295 | 150 | 63 | 160 | 1230 | 940 | 656 | 870 | 1552     |
| V10A6C060*-W15* | 10           | 1008 | 1008 | 295 | 150 | 63 | 160 | 1230 | 940 | 656 | 870 | 1702     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 4/2



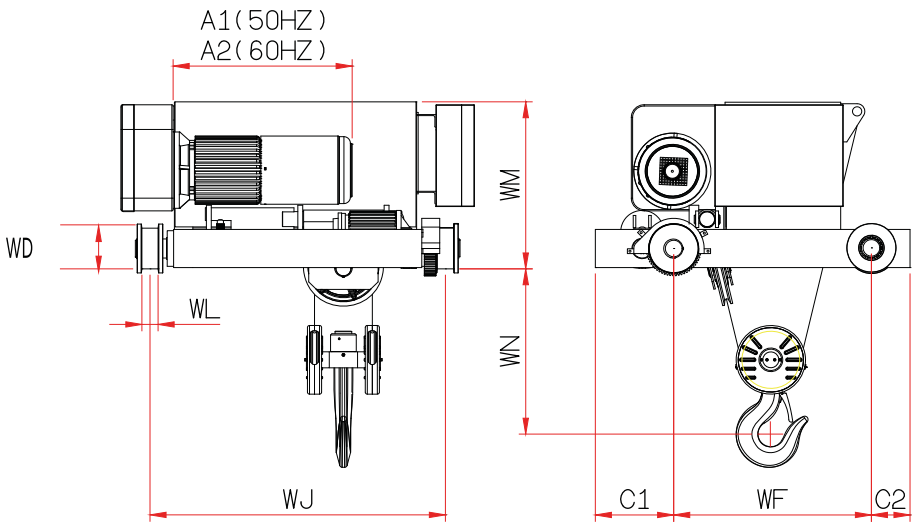
| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                  | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|------------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter         | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ        | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V03B6A080*-W18* | 3(2.8)       | 6        | M6         | 8                  | 9.6  | 0.8->8->*16      | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6B080*-W18* | 3(2.8)       | 9        | M6         | 8                  | 9.6  | 0.8->8->*16      | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V03B6C080*-W18* | 3(2.8)       | 12       | M6         | 8                  | 9.6  | 0.8->8->*16      | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/2       | 8   | 6*37+FC      |
| V05B6A060*-W18* | 5            | 6        | M6         | 6                  | 7.2  | 0.6->6->*12      | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6B060*-W18* | 5            | 9        | M6         | 6                  | 7.2  | 0.6->6->*12      | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V05B6C060*-W18* | 5            | 12       | M6         | 6                  | 7.2  | 0.6->6->*12      | 5.5                | 7.5  | 5.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/2       | 12  | 6*37+FC      |
| V10B6A060*-W15* | 10           | 6        | M6         | 6                  | 7.2  | 0.6->6->*12      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6B060*-W15* | 10           | 9        | M6         | 6                  | 7.2  | 0.6->6->*12      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V10B6C060*-W15* | 10           | 12       | M6         | 6                  | 7.2  | 0.6->6->*12      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/2       | 14  | 6*Fi(29)IWRC |
| V20B6A060*-W15* | 20           | 6        | M6         | —                  | —    | 0.6->6->*12      | —                  | —    | 22        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/2       | 20  | 6*Fi(29)IWRC |
| V20B6B060*-W15* | 20           | 9        | M6         | —                  | —    | 0.6->6->*12      | —                  | —    | 22        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/2       | 20  | 6*Fi(29)IWRC |
| V20B6C060*-W15* | 20           | 12       | M6         | —                  | —    | 0.6->6->*12      | —                  | —    | 22        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/2       | 20  | 6*Fi(29)IWRC |
| V30B6A056*-W15* | 30           | 6        | M6         | —                  | —    | 0.56->5.6->*11.2 | —                  | —    | 37.5      | —                  | —    | 3.75->15  | —                  | —    | 1.1x2     | 4/2       | 25  | 6*Fi(29)IWRC |
| V30B6B056*-W15* | 30           | 9        | M6         | —                  | —    | 0.56->5.6->*11.2 | —                  | —    | 37.5      | —                  | —    | 3.75->15  | —                  | —    | 1.1x2     | 4/2       | 25  | 6*Fi(29)IWRC |
| V30B6C056*-W15* | 30           | 12       | M6         | —                  | —    | 0.56->5.6->*11.2 | —                  | —    | 37.5      | —                  | —    | 3.75->15  | —                  | —    | 1.1x2     | 4/2       | 25  | 6*Fi(29)IWRC |

| Item No.        | Load Cao (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V03B6A080*-W18* | 3(2.8)       | 644  | 644  | 205 | 75  | 60 | 70  | 1065 | 509  | 606  | 455  | 800      |
| V03B6B080*-W18* | 3(2.8)       | 644  | 644  | 205 | 75  | 60 | 70  | 1250 | 509  | 606  | 455  | 860      |
| V03B6C080*-W18* | 3(2.8)       | 644  | 644  | 205 | 75  | 60 | 70  | 1410 | 509  | 606  | 455  | 920      |
| V05B6A060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 885  | 541  | 625  | 710  | 800      |
| V05B6B060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 1006 | 541  | 625  | 710  | 850      |
| V05B6C060*-W18* | 5            | 782  | 782  | 230 | 80  | 60 | 100 | 1450 | 541  | 625  | 710  | 900      |
| V10B6A060*-W15* | 10           | 1008 | 1008 | 300 | 150 | 60 | 160 | 950  | 790  | 656  | 870  | 1432     |
| V10B6B060*-W15* | 10           | 1008 | 1008 | 300 | 150 | 60 | 160 | 1050 | 790  | 656  | 870  | 1552     |
| V10B6C060*-W15* | 10           | 1008 | 1008 | 300 | 150 | 60 | 160 | 1210 | 790  | 656  | 870  | 1702     |
| V20B6A060*-W15* | 20           | 1090 | 1090 | 375 | 175 | 60 | 200 | 1400 | 1000 | 760  | 1050 | 2555     |
| V20B6B060*-W15* | 20           | 1090 | 1090 | 375 | 175 | 60 | 200 | 1590 | 1000 | 760  | 1050 | 2765     |
| V20B6C060*-W15* | 20           | 1090 | 1090 | 375 | 175 | 60 | 200 | 1790 | 1000 | 760  | 1050 | 2975     |
| V30B6A056*-W15* | 30           | 1090 | 1090 | 375 | 254 | 65 | 250 | 1670 | 1000 | 1170 | 1570 | 3447     |
| V30B6B056*-W15* | 30           | 1090 | 1090 | 375 | 254 | 65 | 250 | 1820 | 1000 | 1170 | 1570 | 3825     |
| V30B6C056*-W15* | 30           | 1090 | 1090 | 375 | 254 | 65 | 250 | 1970 | 1000 | 1170 | 1570 | 4203     |

Speed\* means no loading



DOUBLE RAIL TYPE  
REEVING: 4/1

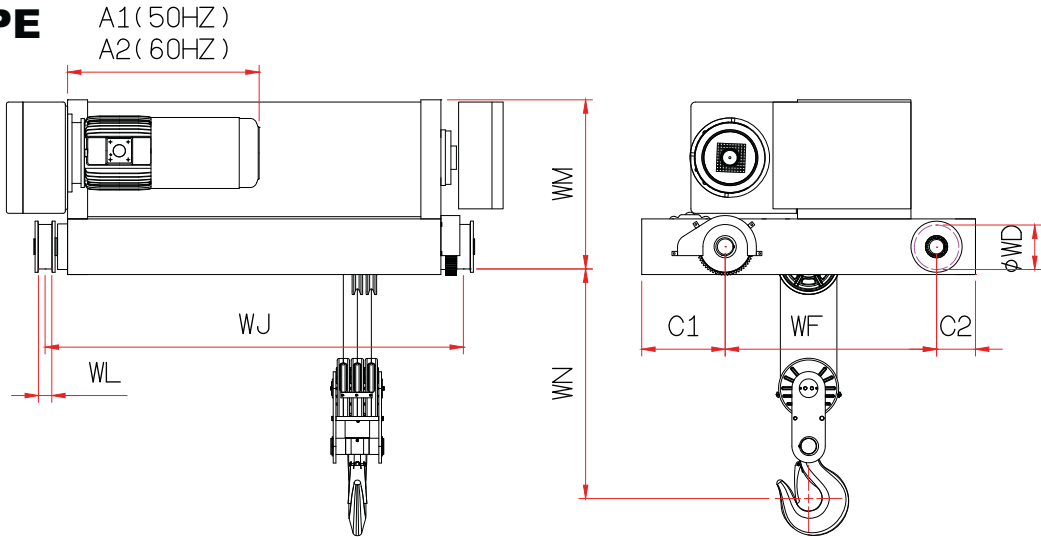


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |            | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter   | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ  | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V03C5A040*-W18* | 3            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V03C5B040*-W18* | 3            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 2.2                | 2.5  | 2.2       | 18                 | 21   | 4.5->18   | 0.25               | 0.25 | 0.25      | 4/1       | 8   | 6*37+FC      |
| V05C5A040*-W18* | 5            | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5B040*-W18* | 5            | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V05C5C040*-W18* | 5            | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5A040*-W18* | 6.3          | 6        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5B040*-W18* | 6.3          | 9        | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V06C5C040*-W18* | 6.3          | 12       | M5         | 4                  | 4.8  | 0.4->4->*8 | 4.5                | 5.5  | 4.5       | 18                 | 21   | 4.5->18   | 0.6                | 0.6  | 0.6       | 4/1       | 12  | 6*37+FC      |
| V10C5A030*-W15* | 10           | 6        | M5         | 3                  | 3.6  | 0.3>3->*6  | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5B030*-W15* | 10           | 9        | M5         | 3                  | 3.6  | 0.3>3->*6  | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V10C5C030*-W15* | 10           | 12       | M5         | 3                  | 3.6  | 0.3>3->*6  | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 14  | 6*Fi(29)IWRC |
| V15C6A030*-W15* | 15           | 6        | M6         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 11   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 20  | 6*Fi(29)IWRC |
| V15C6B030*-W15* | 15           | 9        | M6         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 11   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 20  | 6*Fi(29)IWRC |
| V15C6C030*-W15* | 15           | 12       | M6         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 11   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 4/1       | 20  | 6*Fi(29)IWRC |
| V20C5A030*-W15* | 20           | 6        | M5         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |
| V20C5B030*-W15* | 20           | 9        | M5         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |
| V20C5C030*-W15* | 20           | 12       | M5         | 3                  | 3.6  | 0.3>3->*6  | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |
| V25C5A030*-W15* | 25           | 6        | M5         | —                  | —    | 0.3>3->*6  | —                  | —    | 15        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |
| V25C5B030*-W15* | 25           | 9        | M5         | —                  | —    | 0.3>3->*6  | —                  | —    | 15        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |
| V25C5C030*-W15* | 25           | 12       | M5         | —                  | —    | 0.3>3->*6  | —                  | —    | 15        | —                  | —    | 3.75->15  | —                  | —    | 1.5       | 4/1       | 20  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM  | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|-----|------|----------|
| V03C5A040*-W18* | 3            | 500  | 500  | 65  | 50  | 45 | 80  | 1000 | 500  | 360 | 450  | 490      |
| V03C5B040*-W18* | 3            | 500  | 500  | 65  | 50  | 45 | 80  | 1230 | 500  | 360 | 450  | 550      |
| V05C5A040*-W18* | 5            | 644  | 644  | 133 | 80  | 60 | 100 | 820  | 541  | 625 | 710  | 800      |
| V05C5B040*-W18* | 5            | 644  | 644  | 133 | 80  | 60 | 100 | 1230 | 541  | 625 | 710  | 860      |
| V05C5C040*-W18* | 5            | 644  | 644  | 133 | 80  | 60 | 100 | 1430 | 541  | 625 | 710  | 920      |
| V06C5A040*-W18* | 6.3          | 644  | 644  | 133 | 80  | 60 | 100 | 820  | 541  | 625 | 710  | 800      |
| V06C5B040*-W18* | 6.3          | 644  | 644  | 133 | 80  | 60 | 100 | 1230 | 541  | 625 | 710  | 860      |
| V06C5C040*-W18* | 6.3          | 644  | 644  | 133 | 80  | 60 | 100 | 1430 | 541  | 625 | 710  | 920      |
| V10C5A030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 940  | 650  | 656 | 870  | 980      |
| V10C5B030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1460 | 650  | 656 | 870  | 1070     |
| V10C5C030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1580 | 650  | 656 | 870  | 1160     |
| V15C5A030*-W15* | 15           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1170 | 1000 | 760 | 1050 | 1467     |
| V15C5B030*-W15* | 15           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1710 | 1000 | 760 | 1050 | 1587     |
| V15C5C030*-W15* | 15           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1960 | 1000 | 760 | 1050 | 1737     |
| V20C5A030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1170 | 1000 | 760 | 1050 | 2404     |
| V20C5B030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1710 | 1000 | 760 | 1050 | 1050     |
| V20C5C030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1960 | 1000 | 760 | 1050 | 2764     |
| V25C5A030*-W15* | 25           | 1008 | 1008 | 375 | 175 | 60 | 250 | 1170 | 1000 | 760 | 1050 | 2300     |
| V25C5B030*-W15* | 25           | 1008 | 1008 | 375 | 175 | 60 | 250 | 1800 | 1000 | 760 | 1050 | 2500     |
| V25C5C030*-W15* | 25           | 1008 | 1008 | 375 | 175 | 60 | 250 | 1960 | 1000 | 760 | 1050 | 2700     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 6/1

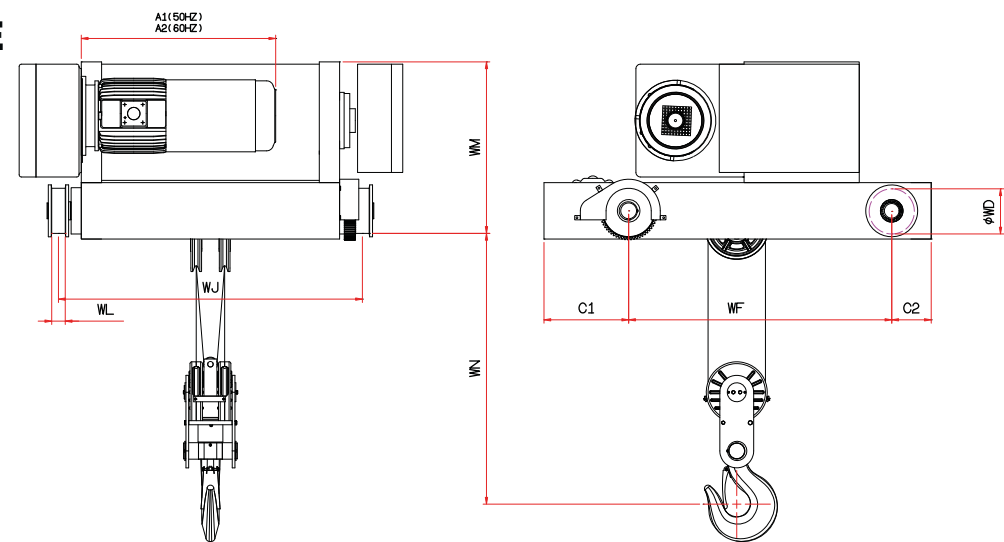


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                 | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|-----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter        | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ       | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
| V10D4A027*-W15* | 10           | 6        | M4         | 2.7                | 3.2  | 0.27->2.7->*5.4 | 4.5                | 5.5  | 4.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 12  | 6*37+FC       |
| V10D4B027*-W15* | 10           | 9        | M4         | 2.7                | 3.2  | 0.27->2.7->*5.4 | 4.5                | 5.5  | 4.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 12  | 6*37+FC       |
| V10D4C027*-W15* | 10           | 12       | M4         | 2.7                | 3.2  | 0.27->2.7->*5.4 | 4.5                | 5.5  | 4.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 12  | 6*37+FC       |
| V15D4A020*-W15* | 15           | 6        | M4         | 2                  | 2.4  | 0.2->2->*4      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 14  | 6*Fi(29)IWRC  |
| V15D4B020*-W15* | 15           | 9        | M4         | 2                  | 2.4  | 0.2->2->*4      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 14  | 6*Fi(29)IWRC  |
| V15D4C020*-W15* | 15           | 12       | M4         | 2                  | 2.4  | 0.2->2->*4      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/1       | 14  | 6*Fi(29)IWRC  |
| V25D5A020*-W15* | 25           | 6        | M5         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |
| V25D5B020*-W15* | 25           | 9        | M5         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |
| V25D5C020*-W15* | 25           | 12       | M5         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |
| V30D4A020*-W13* | 30           | 6        | M4         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 13                 | 15   | 3.25->13  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |
| V30D4B020*-W13* | 30           | 9        | M4         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 13                 | 15   | 3.25->13  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |
| V30D4C020*-W13* | 30           | 12       | M4         | 2                  | 2.4  | 0.2->2->*4      | 11                 | 15   | 11        | 13                 | 15   | 3.25->13  | 1.5                | 1.5  | 1.5       | 6/1       | 20  | 6*Fi(29)+IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM  | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|-----|------|----------|
| V10D4A027*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1335 | 868  | 656 | 870  | 1070     |
| V10D4B027*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1620 | 868  | 656 | 870  | 1130     |
| V10D4C027*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1900 | 868  | 656 | 870  | 1190     |
| V15D4A020*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1285 | 1108 | 760 | 1050 | 1040     |
| V15D4B020*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1605 | 1108 | 760 | 1050 | 1130     |
| V15D4C020*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1925 | 1108 | 760 | 1050 | 1220     |
| V25D5A020*-W15* | 25           | 1008 | 1008 | 375 | 243 | 65 | 250 | 1300 | 1275 | 800 | 1165 | 2300     |
| V25D5B020*-W15* | 25           | 1008 | 1008 | 375 | 243 | 65 | 250 | 1650 | 1275 | 800 | 1165 | 2500     |
| V25D5C020*-W15* | 25           | 1008 | 1008 | 375 | 243 | 65 | 250 | 2000 | 1275 | 800 | 1165 | 2700     |
| V30D4A020*-W13* | 30           | 1008 | 1008 | 375 | 243 | 65 | 250 | 1300 | 1275 | 800 | 1165 | 3447     |
| V30D4B020*-W13* | 30           | 1008 | 1008 | 375 | 243 | 65 | 250 | 1650 | 1275 | 800 | 1165 | 3825     |
| V30D4C020*-W13* | 30           | 1008 | 1008 | 375 | 243 | 65 | 250 | 2000 | 1275 | 800 | 1165 | 4203     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 6/2

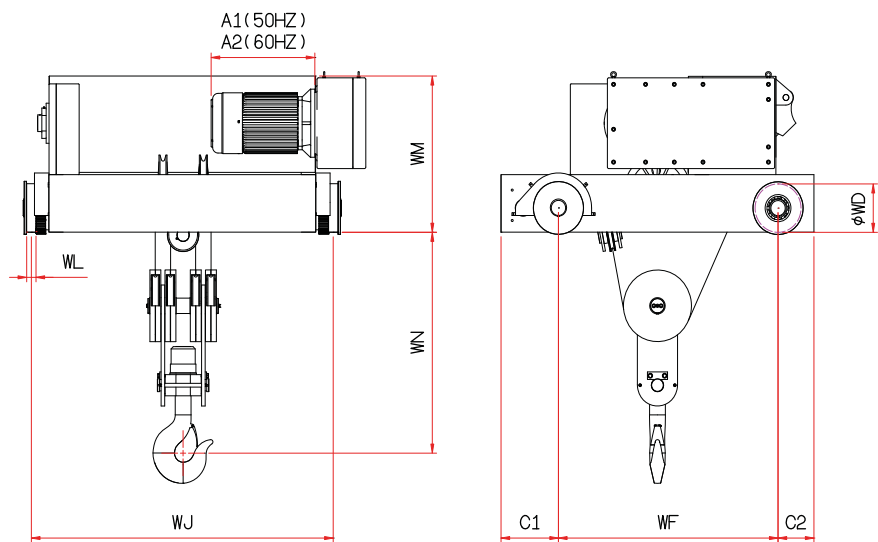


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                 | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|-----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter        | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ       | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
|                 |              |          |            | 4                  | 4.8  | 0.4->4->*8      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       |           |     |               |
| V15E6A040*-W15* | 15           | 6        | M6         | 4                  | 4.8  | 0.4->4->*8      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/2       | 14  | 6*Fi(29)+IWRC |
| V15E6B040*-W15* | 15           | 9        | M6         | 4                  | 4.8  | 0.4->4->*8      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/2       | 14  | 6*Fi(29)+IWRC |
| V15E6C040*-W15* | 15           | 12       | M6         | 4                  | 4.8  | 0.4->4->*8      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 6/2       | 14  | 6*Fi(29)+IWRC |
| V25E6A040*-W15* | 25           | 6        | M6         | 4                  | 4.8  | 0.4->4->*8      | 22                 | 26.5 | 22        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V25E6B040*-W15* | 25           | 9        | M6         | 4                  | 4.8  | 0.4->4->*8      | 22                 | 26.5 | 22        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V25E6C040*-W15* | 25           | 12       | M6         | 4                  | 4.8  | 0.4->4->*8      | 22                 | 26.5 | 22        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V30E5A040*-W13* | 30           | 6        | M5         | —                  | —    | 0.4->4->*8      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V30E5B040*-W13* | 30           | 9        | M5         | —                  | —    | 0.4->4->*8      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V30E5C040*-W13* | 30           | 12       | M5         | —                  | —    | 0.4->4->*8      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.5       | 6/2       | 20  | 6*Fi(29)+IWRC |
| V45E5A037*-W13* | 45           | 6        | M5         | —                  | —    | 0.37->3.7->*7.4 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1x2     | 6/2       | 25  | 6*Fi(29)+IWRC |
| V45E5B037*-W13* | 45           | 9        | M5         | —                  | —    | 0.37->3.7->*7.4 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1x2     | 6/2       | 25  | 6*Fi(29)+IWRC |
| V45E5C037*-W13* | 45           | 12       | M5         | —                  | —    | 0.37->3.7->*7.4 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1x2     | 6/2       | 25  | 6*Fi(29)+IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V15E6A040*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1120 | 1000 | 760  | 1050 | 1467     |
| V15E6B040*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1400 | 1000 | 760  | 1050 | 1587     |
| V15E6C040*-W15* | 15           | 782  | 782  | 375 | 175 | 60 | 200 | 1650 | 1000 | 760  | 1050 | 1737     |
| V25E6A040*-W15* | 25           | 1090 | 1090 | 375 | 243 | 65 | 250 | 1350 | 1572 | 800  | 1165 | 1542     |
| V25E6B040*-W15* | 25           | 1090 | 1090 | 375 | 243 | 65 | 250 | 1910 | 1572 | 800  | 1165 | 1662     |
| V25E6C040*-W15* | 25           | 1090 | 1090 | 375 | 243 | 65 | 250 | 2190 | 1572 | 800  | 1165 | 1812     |
| V30E5A040*-W13* | 30           | 1090 | 1090 | 375 | 243 | 65 | 250 | 1335 | 1572 | 800  | 1165 | 3447     |
| V30E5B040*-W13* | 30           | 1090 | 1090 | 375 | 243 | 65 | 250 | 1910 | 1572 | 800  | 1165 | 3825     |
| V30E5C040*-W13* | 30           | 1090 | 1090 | 375 | 243 | 65 | 250 | 2190 | 1572 | 800  | 1165 | 4203     |
| V45E5A037*-W13* | 45           | 1090 | 1090 | 400 | 266 | 85 | 320 | 1780 | 1572 | 1325 | 1530 | 4310     |
| V45E5B037*-W13* | 45           | 1090 | 1090 | 400 | 266 | 85 | 320 | 2060 | 1572 | 1325 | 1530 | 4620     |
| V45E5C037*-W13* | 45           | 1090 | 1090 | 400 | 266 | 85 | 320 | 2340 | 1572 | 1325 | 1530 | 4980     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 8/1



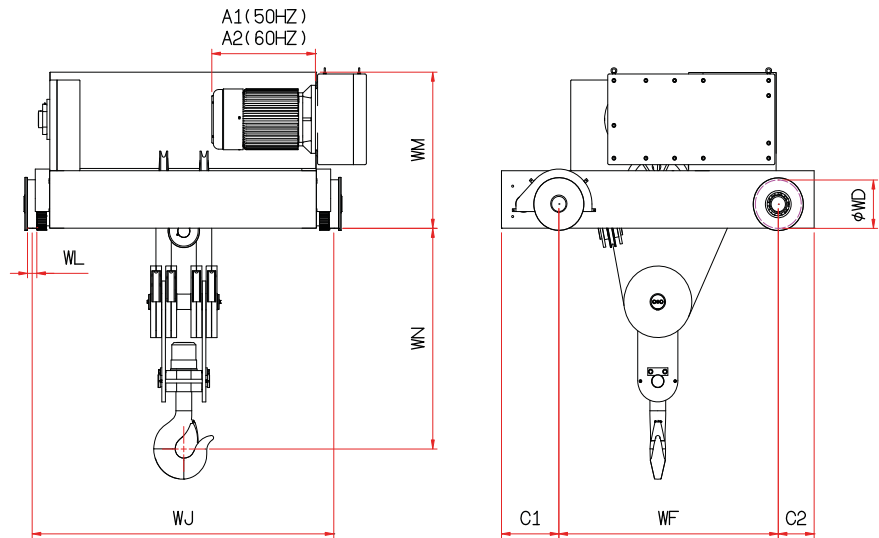
| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |               | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|---------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter      | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ     | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
|                 |              |          |            | —                  | —    | 0.15->1.5->*3 | —                  | —    | 11        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/1       | 20  | 6*Fi(29)IWRC |
| V40F4B015*-W13* | 40           | 9        | M4         | —                  | —    | 0.15->1.5->*3 | —                  | —    | 11        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/1       | 20  | 6*Fi(29)IWRC |
| V40F4D015*-W13* | 40           | 15       | M4         | —                  | —    | 0.15->1.5->*3 | —                  | —    | 11        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/1       | 20  | 6*Fi(29)IWRC |
| V40F4F015*-W13* | 40           | 21       | M4         | —                  | —    | 0.15->1.5->*3 | —                  | —    | 11        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/1       | 20  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V40F4B015*-W13* | 40           | 1008 | 1008 | 400 | 255 | 65 | 320 | 2260 | 1461 | 1032 | 1530 | 4310     |
| V40F4D015*-W13* | 40           | 1008 | 1008 | 400 | 255 | 65 | 320 | 3180 | 1461 | 1032 | 1530 | 4620     |
| V40F4F015*-W13* | 40           | 1008 | 1008 | 400 | 255 | 65 | 320 | 4100 | 1461 | 1032 | 1530 | 4980     |

Speed\* means no loading



DOUBLE RAIL TYPE  
REEVING: 8/2

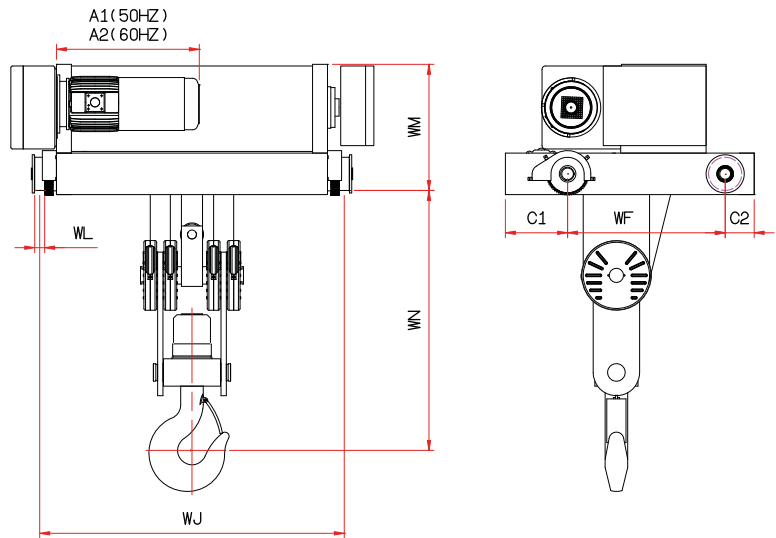


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                 | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|-----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter        | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ       | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
| V10G5A030*-W15* | 10           | 6        | M5         | 3                  | 3.6  | 0.3->3->*6      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 8/2       | 12  | 6*37+FC       |
| V10G5B030*-W15* | 10           | 9        | M5         | 3                  | 3.6  | 0.3->3->*6      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 8/2       | 12  | 6*37+FC       |
| V10G5C030*-W15* | 10           | 12       | M5         | 3                  | 3.6  | 0.3->3->*6      | 5.5                | 7.5  | 5.5       | 15                 | 18   | 3.75->15  | 1.1                | 1.1  | 1.1       | 8/2       | 12  | 6*37+FC       |
| V20G5A030*-W15* | 20           | 6        | M5         | 3                  | 3.6  | 0.3->3->*6      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 8/2       | 14  | 6*Fi(29)+IWRC |
| V20G5B030*-W15* | 20           | 9        | M5         | 3                  | 3.6  | 0.3->3->*6      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 8/2       | 14  | 6*Fi(29)+IWRC |
| V20G5C030*-W15* | 20           | 12       | M5         | 3                  | 3.6  | 0.3->3->*6      | 11                 | 15   | 11        | 15                 | 18   | 3.75->15  | 1.5                | 1.5  | 1.5       | 8/2       | 14  | 6*Fi(29)+IWRC |
| V40G5B030*-W13* | 40           | 9        | M5         | —                  | —    | 0.3->3->*6      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/2       | 20  | 6*Fi(29)+IWRC |
| V40G5D030*-W13* | 40           | 15       | M5         | —                  | —    | 0.3->3->*6      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/2       | 20  | 6*Fi(29)+IWRC |
| V40G5F030*-W13* | 40           | 21       | M5         | —                  | —    | 0.3->3->*6      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/2       | 20  | 6*Fi(29)+IWRC |
| V60G5B028*-W13* | 60           | 9        | M5         | —                  | —    | 0.28->2.8->*5.6 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/2       | 25  | 6*Fi(29)+IWRC |
| V60G5D028*-W13* | 60           | 15       | M5         | —                  | —    | 0.28->2.8->*5.6 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 8/2       | 25  | 6*Fi(29)+IWRC |
| V60G5F028*-W13* | 60           | 21       | M5         | —                  | —    | 0.28->2.8->*5.6 | —                  | —    | 37.5      | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 6/2       | 25  | 6*Fi(29)+IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V10G4A030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1470 | 650  | 656  | 1070 | 980      |
| V10G4B030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 1850 | 650  | 656  | 1070 | 1070     |
| V10G4C030*-W15* | 10           | 782  | 782  | 295 | 150 | 60 | 160 | 2230 | 650  | 656  | 1070 | 1160     |
| V20G5A030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1195 | 1000 | 760  | 1150 | 2404     |
| V20G5B030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1515 | 1000 | 760  | 1150 | 2584     |
| V20G5C030*-W15* | 20           | 1008 | 1008 | 375 | 175 | 60 | 200 | 1835 | 1000 | 760  | 1150 | 2764     |
| V40G5B030*-W13* | 40           | 1090 | 1090 | 400 | 255 | 65 | 320 | 2100 | 1461 | 1032 | 1530 | 4310     |
| V40G5D030*-W13* | 40           | 1090 | 1090 | 400 | 255 | 65 | 320 | 2900 | 1461 | 1032 | 1530 | 4620     |
| V40G5F030*-W13* | 40           | 1090 | 1090 | 400 | 255 | 65 | 320 | 3800 | 1461 | 1032 | 1530 | 4980     |
| V60G5B028*-W13* | 60           | 1090 | 1090 | 400 | 255 | 90 | 400 | 2060 | 1840 | 1032 | 1530 | 6840     |
| V60G5D028*-W13* | 60           | 1090 | 1090 | 400 | 255 | 90 | 400 | 2780 | 1840 | 1032 | 1530 | 7290     |
| V60G5F028*-W13* | 60           | 1090 | 1090 | 400 | 255 | 90 | 400 | 3450 | 1840 | 1032 | 1530 | 7740     |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 10/2

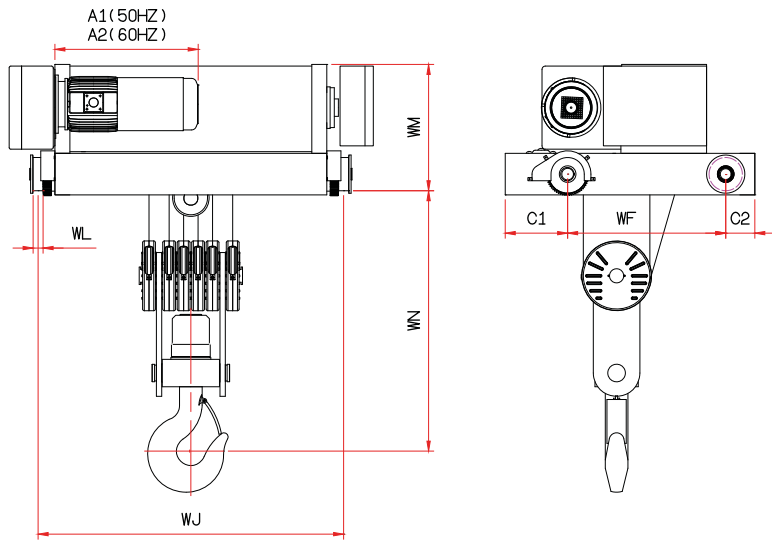


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                 | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |              |
|-----------------|--------------|----------|------------|--------------------|------|-----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|--------------|
|                 |              |          |            | Single             |      | Inverter        | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure    |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ       | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |              |
| V50H5B024*-W13* | 50           | 9        | M5         | —                  | —    | 0.24->2.4->*4.8 | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 10/2      | 20  | 6*Fi(29)IWRC |
| V50H5D024*-W13* | 50           | 15       | M5         | —                  | —    | 0.24->2.4->*4.8 | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 10/2      | 20  | 6*Fi(29)IWRC |
| V50H5F024*-W13* | 50           | 21       | M5         | —                  | —    | 0.24->2.4->*4.8 | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 10/2      | 20  | 6*Fi(29)IWRC |
| V80H4C022*-W11* | 80           | 12       | M4         | —                  | —    | 0.22->2.2->*4.4 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.1*2     | 10/2      | 25  | 6*Fi(29)IWRC |
| V80H4D022*-W11* | 80           | 15       | M4         | —                  | —    | 0.22->2.2->*4.4 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.1*2     | 10/2      | 25  | 6*Fi(29)IWRC |
| V80H4E022*-W11* | 80           | 18       | M4         | —                  | —    | 0.22->2.2->*4.4 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.1*2     | 10/2      | 25  | 6*Fi(29)IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V50H5B024*-W13* | 50           | 1090 | 1090 | 230 | 232 | 85 | 320 | 2150 | 1840 | 960  | 1530 | 5750     |
| V50H5D024*-W13* | 50           | 1090 | 1090 | 230 | 232 | 85 | 320 | 2980 | 1840 | 960  | 1530 | 6200     |
| V50H5F024*-W13* | 50           | 1090 | 1090 | 230 | 232 | 85 | 320 | 2980 | 1840 | 960  | 1530 | 6650     |
| V80H4C022*-W11* | 80           | 1090 | 1090 | 400 | 266 | 90 | 400 | 3200 | 1502 | 1070 | 1530 | 12000    |
| V80H4D022*-W11* | 80           | 1090 | 1090 | 400 | 266 | 90 | 400 | 4000 | 1502 | 1070 | 1530 | 12300    |
| V80H4E022*-W11* | 80           | 1090 | 1090 | 400 | 266 | 90 | 400 | 4800 | 1502 | 1070 | 1530 | 12600    |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 12/2

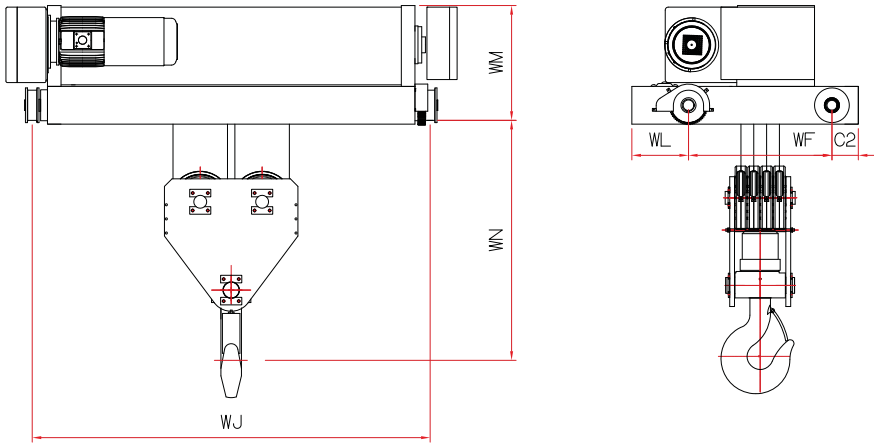


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                 | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|-----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter        | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ       | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
| V60I4B020*-W13* | 60           | 9        | M4         | —                  | —    | 0.2->2->*4      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 12/2      | 20  | 6*Fi(29)+IWRC |
| V60I4C020*-W13* | 60           | 12       | M4         | —                  | —    | 0.2->2->*4      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 12/2      | 20  | 6*Fi(29)+IWRC |
| V60I4E020*-W13* | 60           | 18       | M4         | —                  | —    | 0.2->2->*4      | —                  | —    | 22        | —                  | —    | 3.25->13  | —                  | —    | 1.1*2     | 12/2      | 20  | 6*Fi(29)+IWRC |
| V1KI4D018*-W11* | 100          | 15       | M4         | —                  | —    | 0.18->1.8->*3.6 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.5*2     | 12/2      | 25  | 6*Fi(29)+IWRC |
| V1KI4F018*-W11* | 100          | 21       | M4         | —                  | —    | 0.18->1.8->*3.6 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.5*2     | 12/2      | 25  | 6*Fi(29)+IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V60I4B020*-W13* | 60           | 1090 | 1090 | 400 | 266 | 75 | 400 | 3200 | 1502 | 1070 | 1530 | 6840     |
| V60I4C020*-W13* | 60           | 1090 | 1090 | 400 | 266 | 75 | 400 | 3800 | 1502 | 1070 | 1530 | 7290     |
| V60I4E020*-W13* | 60           | 1090 | 1090 | 400 | 266 | 75 | 400 | 5000 | 1502 | 1070 | 1530 | 7740     |
| V1KI4D018*-W11* | 100          | 1090 | 1090 | 400 | 266 | 75 | 400 | 4000 | 1502 | 1070 | 1530 | 15000    |
| V1KI4F018*-W11* | 100          | 1090 | 1090 | 400 | 266 | 75 | 400 | 5000 | 1502 | 1070 | 1530 | 17000    |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 16/2

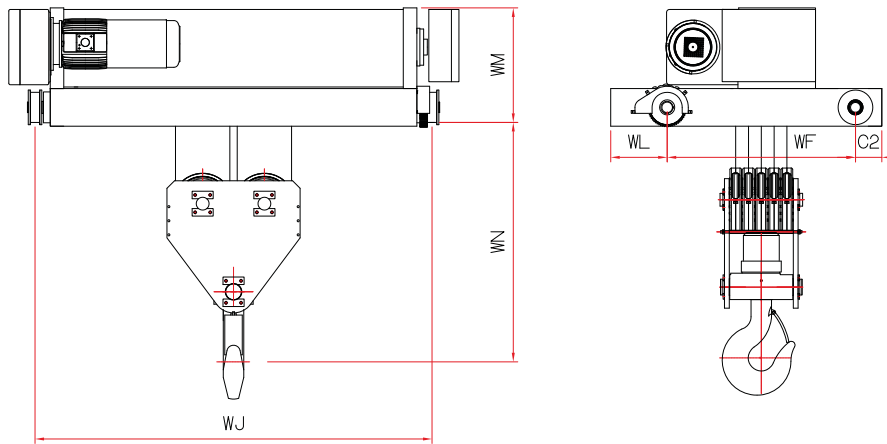


| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter       | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ      | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
| V80J4D015*-W11* | 80           | 15       | M4         | —                  | —    | 0.15->1.5->2   | —                  | —    | 22        | —                  | —    | 2.75->11  | —                  | —    | 1.1*2     | 16/2      | 20  | 6*Fi(29)+IWRC |
| VK2J4E014*-W11* | 120          | 18       | M4         | —                  | —    | 0.14->1.4->2.8 | —                  | —    | 37.5      | —                  | —    | 2.75->11  | —                  | —    | 1.5*2     | 16/2      | 25  | 6*Fi(29)+IWRC |

| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V80J4D015*-W11* | 80           | 1090 | 1090 | 290 | 290 | 80 | 400 | 4030 | 1800 | 1300 | 2300 | 12000    |
| VK2J4E014*-W11* | 120          | 1090 | 1090 | 290 | 290 | 80 | 400 | 5130 | 1800 | 1300 | 2300 | 19500    |

Speed\* means no loading

DOUBLE RAIL TYPE  
REEVING: 20/2



| Item No.        | Load Cap (t) | LIFT (m) | DUTY (ISO) | Lifting Speed(MPM) |      |                | Lifting Motor (KW) |      |           | Trolley Speed(MPM) |      |           | Trolley Motor (KW) |      |           | Wire Rope |     |               |
|-----------------|--------------|----------|------------|--------------------|------|----------------|--------------------|------|-----------|--------------------|------|-----------|--------------------|------|-----------|-----------|-----|---------------|
|                 |              |          |            | Single             |      | Inverter       | Single             |      | Inverter  | Single             |      | Inverter  | Single             |      | Inverter  | Fall No.  | Ømm | structure     |
|                 |              |          |            | 50HZ               | 60HZ | 50HZ/60HZ      | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ | 50HZ               | 60HZ | 50HZ/60HZ |           |     |               |
| V1KK4C012*-W11* | 100          | 10       | M4         | —                  | —    | 0.12->1.2->2.4 | —                  | —    | 22        | —                  | —    | 2.75->11  | —                  | —    | 1.5*2     | 20/2      | 20  | 6*Fi(29)+IWRC |

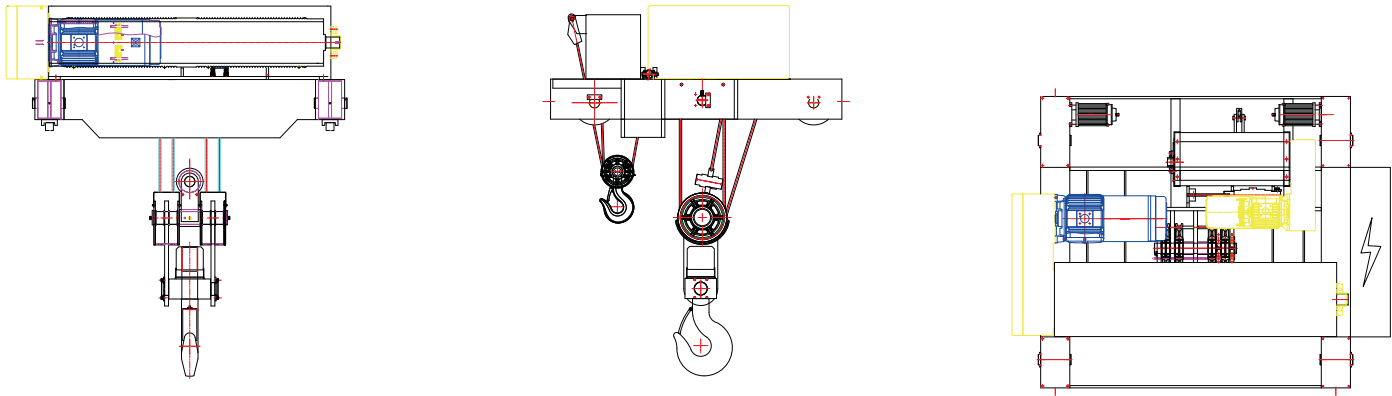
| Item No.        | Load Cap (t) | A1   | A2   | C1  | C2  | WL | WD  | WJ   | WN   | WM   | WF   | N.W.(kg) |
|-----------------|--------------|------|------|-----|-----|----|-----|------|------|------|------|----------|
| V1KK4C012*-W11* | 100          | 1090 | 1090 | 290 | 290 | 80 | 400 | 4700 | 1920 | 1300 | 2300 | 15000    |

Speed\* means no loading



TWIN HOIST TYPE

※ COMBINATION OF TWO HOISTS  
※ HEAVY AND LIGHT DUTY HOIST MOUNTED ON THE SAME DOUBLE RAIL TROLLEY

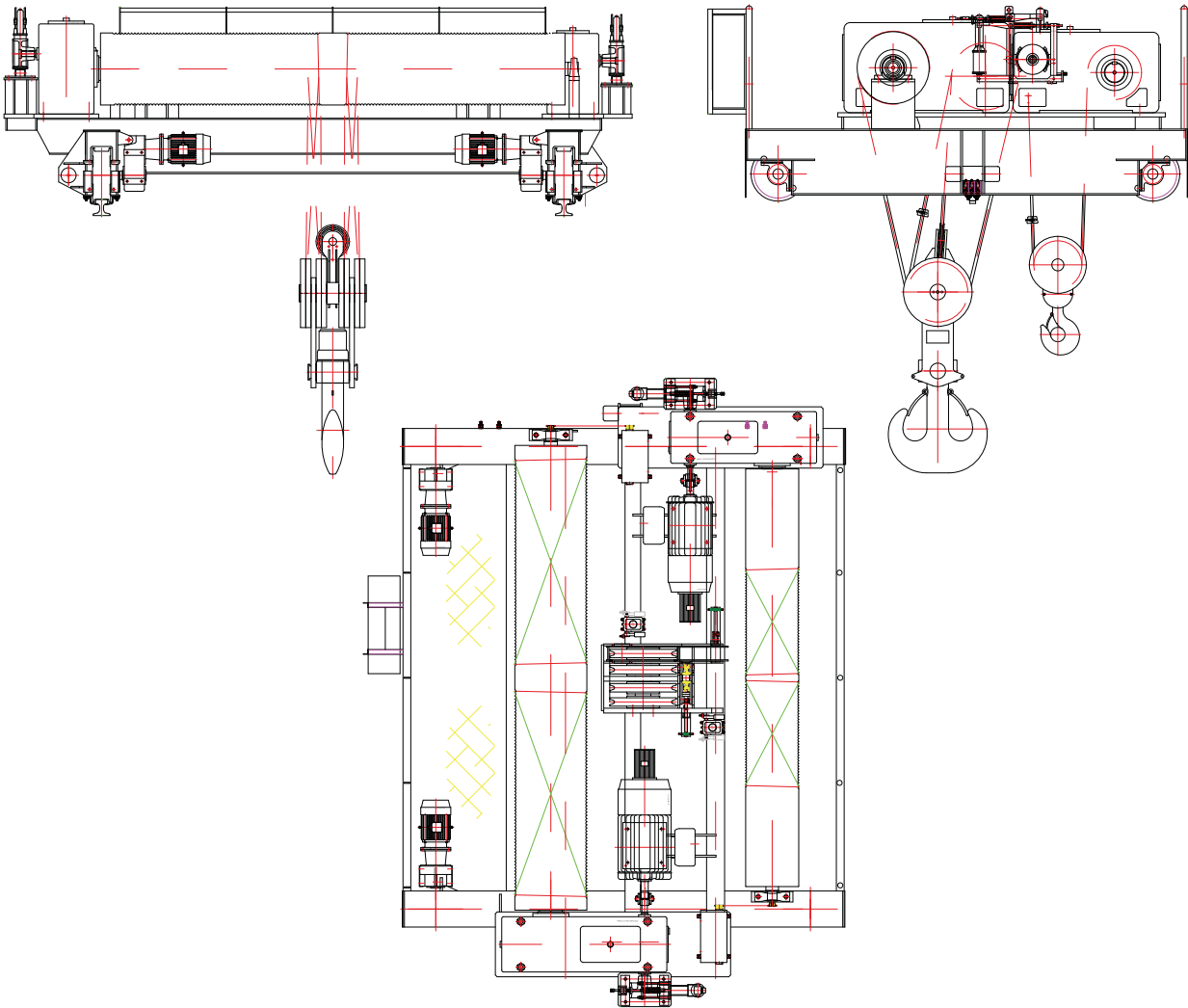


| Load Cap (t)<br>Main / Aux. | Main Hoist  |               |                                 |                                 |           |     | AUX. Hoist  |               |                                 |                                 |           |     | Trolley Motor         |           |
|-----------------------------|-------------|---------------|---------------------------------|---------------------------------|-----------|-----|-------------|---------------|---------------------------------|---------------------------------|-----------|-----|-----------------------|-----------|
|                             | Lift<br>(m) | DUTY<br>(ISO) | Lifting Speed<br>(MPM)          | Lifting Motor                   | Wire Rope |     | Lift<br>(m) | DUTY<br>(ISO) | Lifting Speed<br>(MPM)          | Lifting Motor                   | Wire Rope |     | 50HZ/60HZ             | 50HZ/60HZ |
|                             |             |               | Inverter Control<br>(50HZ/60HZ) | Inverter Control<br>(50HZ/60HZ) | Fall No.  | Ømm | structure   |               | Inverter Control<br>(50HZ/60HZ) | Inverter Control<br>(50HZ/60HZ) | Fall No.  | Ømm | structure             |           |
| ~SPEC AS REQUEST~           |             |               |                                 |                                 |           |     |             |               |                                 |                                 |           |     | DEPENDS ON MAIN HOIST |           |

※ DIMENSION : ACCORDING TO DESIGN DRAWING  
※ OTHER SPEC. REQUIREMENT CAN BE DESIGNED

OPEN WINCH TYPE

※ SPECIAL APPLICATION WITH SPECIAL SPEC DEPENDS ON CUSTOMER'S REQUEST.



• Hoist Duty Group is determinated by the load spectrum and operating time

Chart A.

| LOAD SPECTRUM |                                                                                                |  |
|---------------|------------------------------------------------------------------------------------------------|--|
| LIGHT         | Occasionally maximum loading, routinely low loading, medium dead load ( $K \leq 0.5$ )         |  |
| MEDIUM        | More Often maximum loading, routinely low loading, medium dead load ( $0.5 < K \leq 0.63$ )    |  |
| HEAVY         | Frequently maximum loading, routinely medium loading, large dead load ( $0.63 < K \leq 0.80$ ) |  |
| VERY HEAVY    | Regularity maximum loading, very large dead load ( $0.80 < K \leq 1$ )                         |  |

Chart B.

| Load Spectrum      | Average operating time per day (†) [h/day] |                           |                        |                       |                        |
|--------------------|--------------------------------------------|---------------------------|------------------------|-----------------------|------------------------|
| LIGHT              | $\dagger \leq 2$                           | $2 < \dagger \leq 4$      | $4 < \dagger \leq 8$   | $8 < \dagger \leq 16$ | $16 < \dagger \leq 24$ |
| MEDIUM             | $\dagger \leq 1$                           | $1 < \dagger \leq 2$      | $2 < \dagger \leq 4$   | $4 < \dagger \leq 8$  | $8 < \dagger \leq 16$  |
| HEAVY              | $\dagger \leq 0.5$                         | $0.5 < \dagger \leq 1$    | $1 < \dagger \leq 2$   | $2 < \dagger \leq 4$  | $4 < \dagger \leq 8$   |
| VERY HEAVY         | $\dagger \leq 0.25$                        | $0.25 < \dagger \leq 0.5$ | $0.5 < \dagger \leq 1$ | $1 < \dagger \leq 2$  | $2 < \dagger \leq 4$   |
| Hoist Group        | M3 (1Bm)                                   | M4 (1Am)                  | M5 (2m)                | M6 (3m)               | M7 (4m)                |
| Duty Factor        | 25% ED                                     | 30% ED                    | 40% ED                 | 50% ED                | 60% ED                 |
| Max, Starts / hour | $\leq 150$ /h                              | $\leq 180$ /h             | $\leq 240$ /h          | $\leq 300$ /h         | $\leq 360$ /h          |

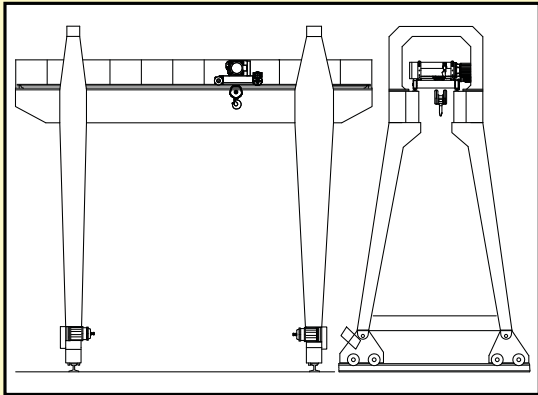
Instruction:

- Select the Load Spectrum Type in chart A. Follow that Load Spectrum line to the chart B, across the table and choose your Average Operating Time Per Day value (†) to the limits in the table. Stop where your calculated value (†) is between the limits. Move down that same column to get your Hoist Group, Duty Factor and Max. Starts / h.

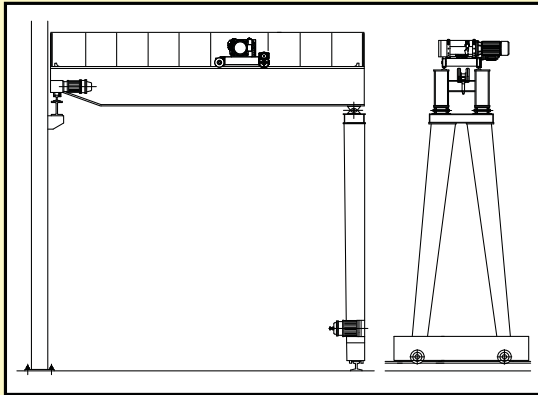
Example

- Load spectrum selection **MEDIUM** (Example).
- Average operating time per day calculation  $\dagger = 3.8$  h/day.  
⇒ Hoist Group selection **M5 (2m)**

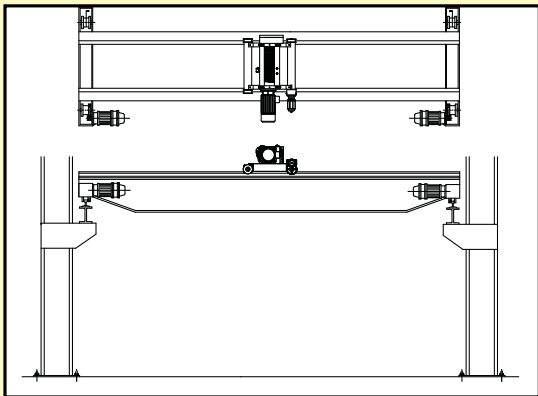
Application of hoists



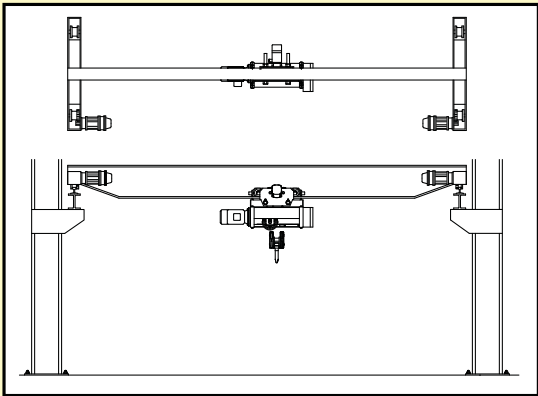
Gantry Crane



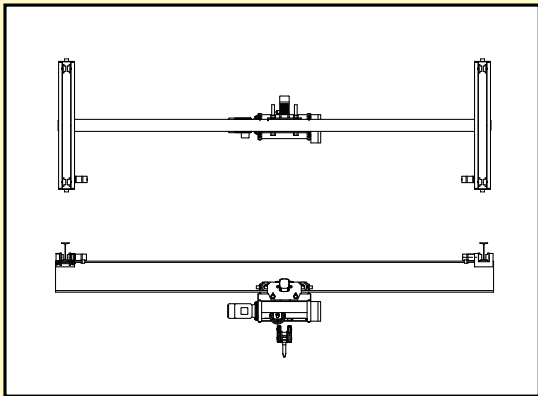
Semi-Gantry Crane



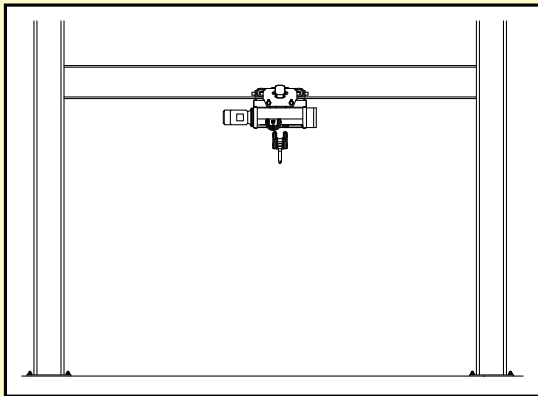
Double-Girder E.O.T. Crane



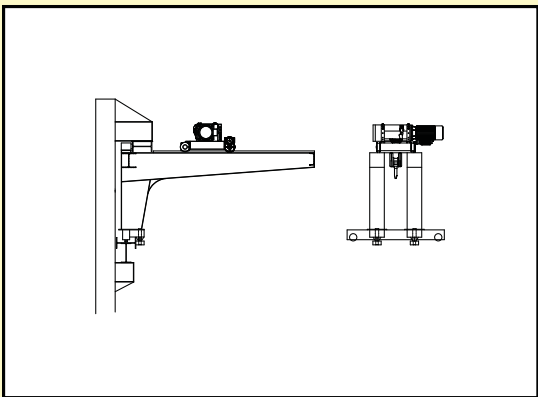
Single-Girder E.O.T. Crane



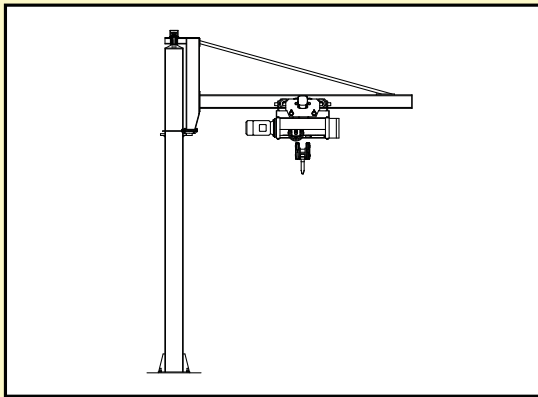
Underhug Crane



Mono-rail Hoist



Wall Crane



Jib Crane

Would you like a proposal for a THAC wire rope hoist ?  
Just fill in page for a fast response.

All members of our staff will be pleased to respond to telephone enquiries, to provide expert advice and to arrange for a visit by field staff, if necessary.

Can you already state some specific data? Then all you need to do is to copy this page, fill in data available and send it to our

INQUIRE

Taiwan Fax:  
+886-3-4984198

Company: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone no: \_\_\_\_\_

E-mail: \_\_\_\_\_ Fax no: \_\_\_\_\_

Crane type (see page 29): \_\_\_\_\_

- ☐ Indoor use    ☐ Outdoor use  
☐ Fixed type    ☐ Mono-rail hoist    ☐ Double-rail hoist

Load capacity: \_\_\_\_\_ ton

- Lifting speed:  
☐ Single-speed \_\_\_\_\_ m/min or ☐ maker's standard  
☐ Two-speed \_\_\_\_\_ m/min or ☐ maker's standard

Duty: \_\_\_\_\_ %ED

Lifting height: \_\_\_\_\_ m

Power source: \_\_\_\_\_ V \_\_\_\_\_ Hz

Cross travel:

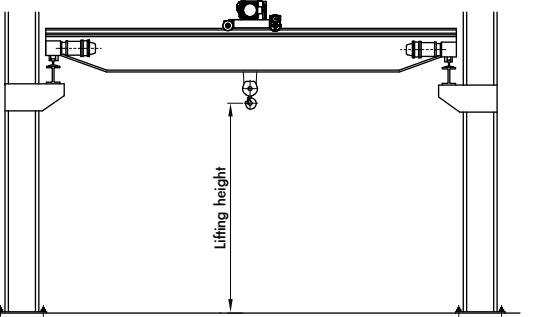
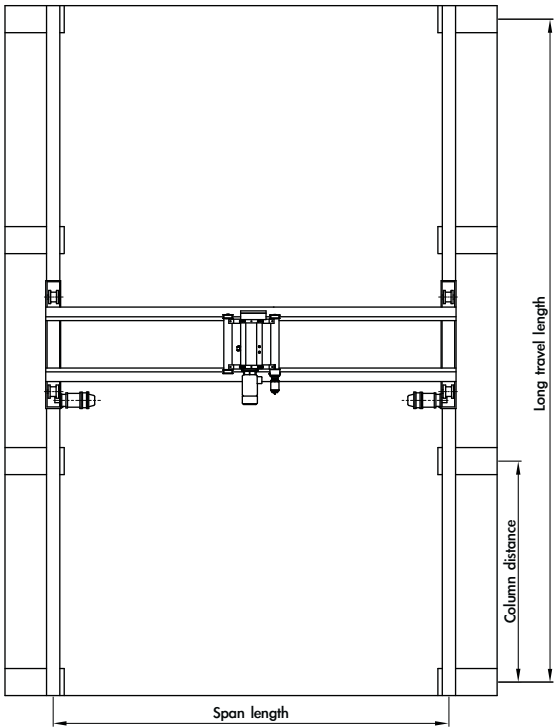
Span length: \_\_\_\_\_ m

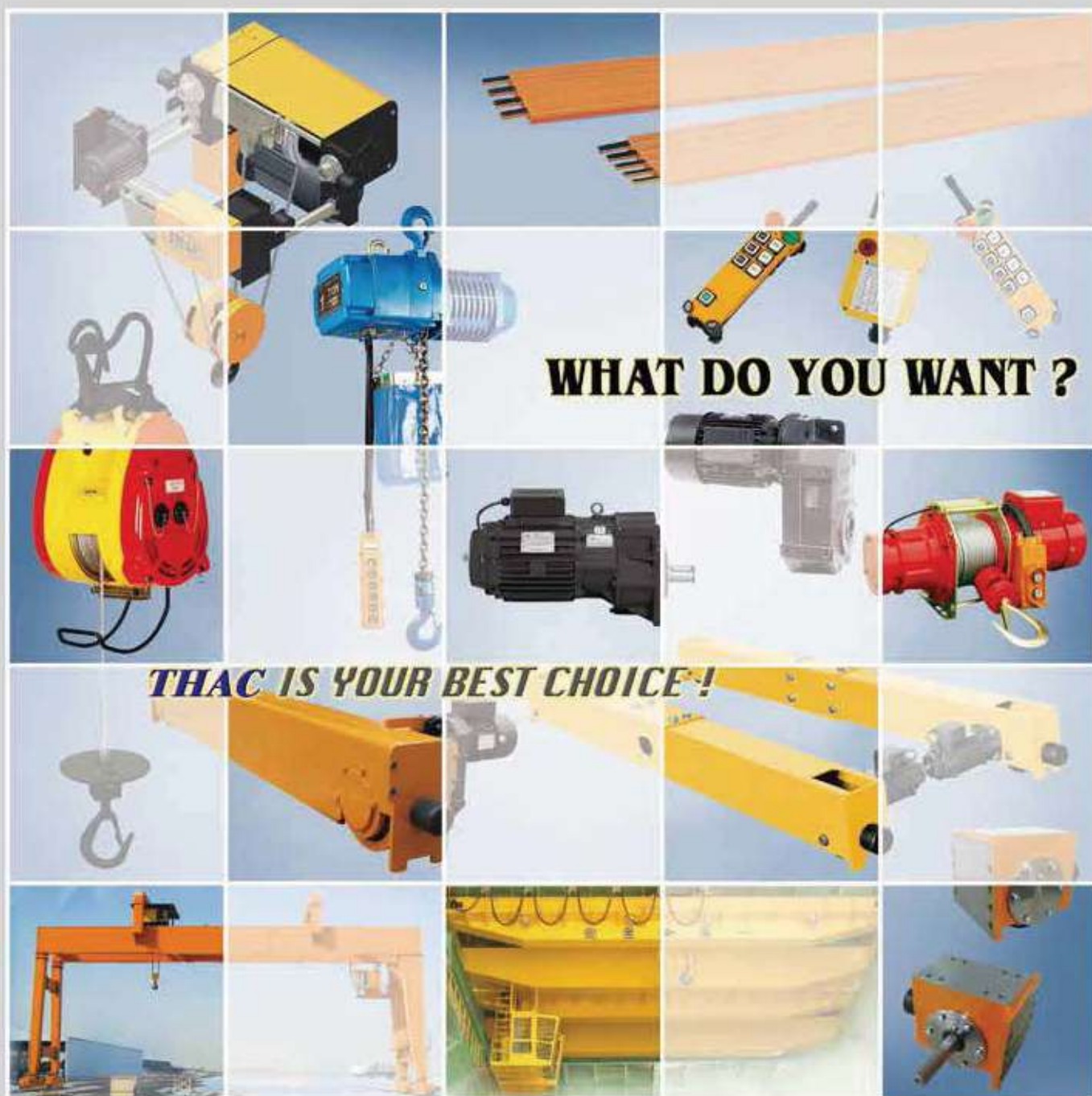
- ☐ Single-speed \_\_\_\_\_ m/min or ☐ maker's standard  
☐ Two-speed \_\_\_\_\_ m/min or ☐ maker's standard

Long travel:

Long travel length: \_\_\_\_\_ m

- ☐ Single-speed \_\_\_\_\_ m/min or ☐ maker's standard  
☐ Two-speed \_\_\_\_\_ m/min or ☐ maker's standard





# **WARNING:**

The equipment shown in this catalogue is intended for industrial use only and should not be used to lift, support, or otherwise transport people, or to suspend loads over people.



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