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ISO9001:2015



HANGCHA trucks conform  
to the European Safety  
Requirements.

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## X Series Electric Platform Truck

with capacities of 1,000 to 5,000kg

*The World of Hangcha*



# X Series Electric Platform Truck

The X series electric platform truck is a new series of products independently developed by Hangcha. With exterior design, safety, reliability, advancement and comfort, etc. reaching the level of the world's advanced brands and featuring high speed, high efficiency and high safety, it is an ideal choice for the short- and medium-distance goods handling at railway stations, vehicle companies, etc.



## Appearance

- / Streamline and large curved surface appearance, combined with eagle eye type LED integrated head light, entirely-new appearance and vision, more novel and fashionable.

## Advancement

- / Digital dashboard with battery charge indicator, fault detection, speedometer and hour meter.
- / The whole truck has high speed and efficiency, and the traveling speed can reach 20km/h.
- / Permanent magnet brushless traction motor+electric control+aluminum alloy high-efficiency gear box, high efficiency, fast start-up, energy-saving and noise-reduced.
- / An optional configuration is provided: a full range of long-lasting batteries, large-capacity lead-acid battery. With a large distance from the ground, a small turning radius and a good passing ability.

## Comfort

- / The front and rear axles are fully elastic suspension system with low vibration and good comfort.
- / Low step-on platform for comfortable access.
- / Different operating pedals, instruments, steering wheels and switches are configured according to the ergonomics requirements, operation is comfortable and flexible.
- / EPS (electric power steering) is optional, the force is 8-12N, it is easy for operator.
- / The fully-enclosed driver's cab is optional, and can meet all-weather works.

## Maintenance

- / The AC traction motor is free maintenance, and the cost is greatly reduced.
- / The electric control cover plate can be easily dismantled, and it is convenient for commissioning and maintenance of the electric control system.
- / Controller and electrical components are placed together for high integration.
- / The battery lid with a gas spring provided for the standard configuration makes the repair, maintenance and replacement of the battery convenient and is applicable to continuous operating conditions.



Large screen display, the instrument panel adopts injection molding design, sturdy and durable



Full suspension operating platform, vibration is reduced, noise is isolated (1.5-5t)



LED headlight has the head light and dipped light functions. The front turn light utilizes the latest stream light technology



Repair, maintenance and replacement of the battery are convenient and fast, and it is suitable to continuous work



2 operators on board, optimised driving position for maximum comfort and efficiency (1.5-5t)



## Reliability and Safety

- / Such main electric parts as motor controller, contactor, power plug, emergency power-off switch and so on are famous brand products.
- / The chassis, driving axle, steering axle and so on are designed based on high strength, and can meet the heavy-load operating conditions.
- / The frame and girder type structure, has light weight and great bearing capacity.
- / The emergency power-off switch is the standard configuration, and can meet the European safety standard.
- / The efficient AC power system has complete protection functions and greatly improved reliability and service life, powering the electric braking with protection for preventing sliding down a ramp.
- / With the battery placed at the bottom of the vehicle frame, the vehicle has good stability, safety and reliability.
- / Thanks for the brake system and anti-slip function, it provides safety and reliability.



### Fully hydraulic steering (4-5t)

The follow-up steering system provided for the standard configuration has the advantages of low energy consumption, low noise, light steering force, a good feel, safe and reliable steering, etc.

## Standard specification

- / LED light system
- / LCD screen
- / Standard battery
- / Side charging (lithium battery)
- / Emergency power-off switch
- / Horn
- / Reversing buzzer
- / File box (1.5-5t)
- / Cup holder (1.5-5t)
- / Angle adjustable steering wheel
- / Floating control platform
- / Seat belt
- / Combination LED three-color taillights
- / Chair

## Options

- / EPS ( Electric Power Steering) system (1.5-3t)
- / Reflecting mirror
- / Large capacity lead-acid battery
- / Large-diameter steering wheel
- / Alarm light
- / High performance lead acid battery
- / Suspension seat
- / Acoustic and optical alarm
- / Side charging (lead acid)
- / Large capacity lithium battery
- / Non-standard series platform
- / Blue light lamp
- / Battery side roll out
- / Non-standard series platform
- / LED Rear working light
- / Side shift battery trolley
- / OPS system
- / Terminal power supply
- / Voice-type reversing buzzer
- / Fire extinguisher
- / Charger
- / Solid tyre
- / Non-standard color
- / EPB (Electric Parking Brake) (1.5-3t)
- / Traction pin

## Options (with cab)

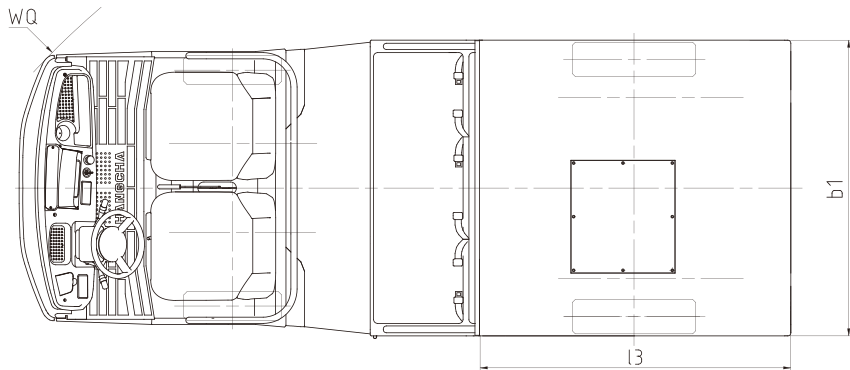
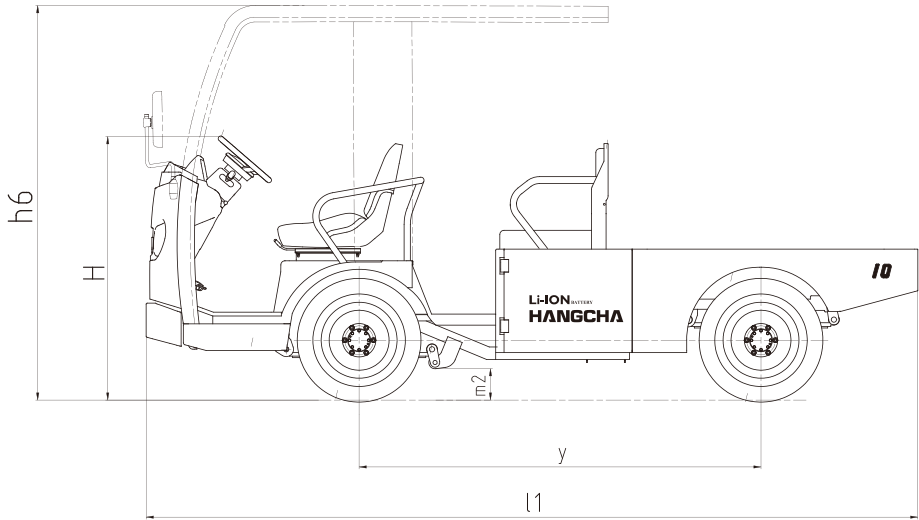
- / Fully-enclosed cab
- / Semi-enclosed cab
- / Get on hand
- / RearView mirror
- / Fan
- / Front single blade wiper
- / Front wiper sprinkler
- / Heater
- / Front glass defroster
- / Cooling and heating air conditioner

**Note:** Max. travel speed 14km/h for 1.5t with cab



X Series Electric Platform Truck Specification

|                     |                  |                                                                      |                                     |                        |              |             |              |             |              |             |             |             |             |
|---------------------|------------------|----------------------------------------------------------------------|-------------------------------------|------------------------|--------------|-------------|--------------|-------------|--------------|-------------|-------------|-------------|-------------|
| Distinguishing mark | 1.1              | Manufacturer                                                         |                                     | HANGCHA GROUP CO.,LTD. |              |             |              |             |              |             |             |             |             |
|                     | 1.2              | Manufacturer's type designation                                      |                                     | BD10-XC11-5            | BD10-XC11-5I | BD20-XC11-5 | BD20-XC11-5I | BD30-XC11-5 | BD30-XC11-5I | BD20-XC11-L | BD30-XC11-L | BD40-XC11-L | BD50-XC11-L |
|                     | 1.3              | Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas |                                     | Electric               | Electric     | Electric    | Electric     | Electric    | Electric     | Electric    | Electric    | Electric    | Electric    |
|                     | 1.4              | Operator type: hand, pedestrian, standing, seated, order-picker      |                                     | Seated                 | Seated       | Seated      | Seated       | Seated      | Seated       | Seated      | Seated      | Seated      | Seated      |
|                     | 1.5              | Rated capacity/rated load                                            | kg                                  | 1000                   | 1000         | 2000        | 2000         | 3000        | 3000         | 2000        | 3000        | 4000        | 5000        |
|                     | 1.9              | Wheelbase                                                            | y (mm)                              | 1930                   | 1930         | 1930        | 1930         | 1930        | 1930         | 1500        | 1500        | 2500        | 2500        |
| Weight              | 2.1              | Service weight                                                       | kg                                  | 950                    | 900          | 1200        | 930          | 1210        | 940          | 1230        | 1290        | 2015        | 2025        |
|                     | 2.3              | Axle loading, unladen front/rear                                     | kg                                  | 400/550                | 375/525      | 580/620     | 445/485      | 580/630     | 445/495      | 630/600     | 680/610     | 1050/965    | 1055/970    |
| Tyres, chassis      | 3.1              | Tyres: solid rubber, superelastic, pneumatic, polyurethane           |                                     | Pneumatic              | Pneumatic    | Pneumatic   | Pneumatic    | Pneumatic   | Pneumatic    | Pneumatic   | Pneumatic   | Pneumatic   | Pneumatic   |
|                     | 3.2              | Tyre size, front                                                     |                                     | 165/80R13              | 165/80R13    | 6.00-9-10PR | 6.00-9-10PR  | 6.00-9-10PR | 6.00-9-10PR  | 5.00-8-10PR | 6.00-9-10PR | 7.00-12     | 7.00-12     |
|                     | 3.3              | Tyre size, rear                                                      |                                     | 165/80R13              | 165/80R13    | 6.00-9-10PR | 6.00-9-10PR  | 6.00-9-10PR | 6.00-9-10PR  | 5.00-8-10PR | 6.00-9-10PR | 7.00-12     | 7.00-12     |
|                     | 3.5              | Wheels, number front/rear (× = driven wheels)                        |                                     | 4                      | 4            | 4           | 4            | 4           | 4            | 4           | 4           | 2           | 2           |
|                     | 3.6              | Tread, front                                                         | b <sub>10</sub> (mm)                | 1132.5                 | 1132.5       | 1202.5      | 1202.5       | 1202.5      | 1202.5       | 1095        | 1095        | 1290        | 1290        |
|                     | 3.7              | Tread, rear                                                          | b <sub>11</sub> (mm)                | 1235                   | 1235         | 1305        | 1305         | 1305        | 1305         | 1130        | 1145        | 1290        | 1290        |
| Dimensions          | 4.7              | Height of overhead guard (cabin)                                     | h <sub>6</sub> (mm)                 | 1900                   | 1900         | 1900        | 1900         | 1900        | 1900         | 1900        | 1900        | 1287        | 1287        |
|                     | 4.16             | Length of loading surface                                            | l <sub>3</sub> (mm)                 | 1500                   | 1500         | 1500        | 1500         | 1500        | 1500         | 2000        | 2000        | 3200        | 3200        |
|                     | 4.17             | Overhang                                                             | l <sub>5</sub> (mm)                 | 1025/753               | 1025/753     | 1025/753    | 1025/753     | 1025/753    | 1025/753     | 1010/748    | 1010/748    | 979/979     | 979/979     |
|                     | 4.18             | Width of loading surface                                             | b <sub>9</sub> (mm)                 | 1420                   | 1420         | 1500        | 1500         | 1500        | 1500         | 1300        | 1300        | 1500        | 1500        |
|                     | 4.19             | Overall length                                                       | l <sub>1</sub> (mm)                 | 3705                   | 3705         | 3705        | 3705         | 3705        | 3705         | 3258        | 3258        | 4458        | 4458        |
|                     | 4.21             | Overall width                                                        | b <sub>1</sub> /b <sub>2</sub> (mm) | 1420                   | 1420         | 1500        | 1500         | 1500        | 1500         | 1300        | 1300        | 1500        | 1500        |
|                     | 4.32             | Ground clearance, centre of wheelbase                                | m <sub>2</sub> (mm)                 | 195                    | 195          | 170         | 170          | 170         | 170          | 120         | 155         | 200         | 200         |
|                     | 4.35             | Turning radius                                                       | W <sub>4</sub> (mm)                 | 4000                   | 4000         | 4000        | 4000         | 4000        | 4000         | 3300        | 3300        | 4950        | 4950        |
|                     | Performance data | 5.1                                                                  | Travel speed, laden/unladen         | km/h                   | 25/30        | 25/30       | 14.5/20      | 14.5/20     | 13/20        | 13/20       | 13.5/18     | 13/18       | 13/16       |
| 5.8                 |                  | Max. gradeability, laden/unladen                                     | %                                   | 20                     | 20           | 12          | 12           | 12          | 12           | 10          | 10          | 12          | 10          |
| 5.1                 |                  | Service brake                                                        |                                     | Hydraulic              | Hydraulic    | Hydraulic   | Hydraulic    | Hydraulic   | Hydraulic    | Hydraulic   | Hydraulic   | Hydraulic   | Hydraulic   |
| b)                  |                  | Parking brake                                                        |                                     | Mechanical             | Mechanical   | Mechanical  | Mechanical   | Mechanical  | Mechanical   | Mechanical  | Mechanical  | Mechanical  | Mechanical  |
| Electric-engine     | 6.1              | Drive motor rating S2 60 min                                         | kW                                  | 6                      | 6            | 5           | 5            | 5           | 5            | 5           | 5           | 6           | 6           |
|                     | 6.4              | Battery voltage/nominal capacity K5                                  | (V)/(Ah) or kWh                     | 72/120                 | 77.28/125    | 72/180      | 77.28/125    | 72/180      | 77.28/125    | 72/180      | 72/180      | 72/240      | 72/240      |
|                     | 6.5              | Battery weight                                                       | kg                                  | 268                    | 150          | 418         | 150          | 418         | 150          | 418         | 418         | 485         | 485         |
|                     | 10.7             | Sound pressure level at the driver's seat                            | dB(A)                               | <65                    | <65          | <65         | <65          | <65         | <65          | <65         | <65         | <65         | <65         |



## X Series Electric Platform Truck Specification

| Distinguishing mark | 1.1              | Manufacturer                                                    |                             | HANGCHA GROUP CO.,LTD. |             |                         |             |                     |         |                         |         |                     |       |                         |       |                     |       |                         |       |              |       |              |       |              |       |              |       |
|---------------------|------------------|-----------------------------------------------------------------|-----------------------------|------------------------|-------------|-------------------------|-------------|---------------------|---------|-------------------------|---------|---------------------|-------|-------------------------|-------|---------------------|-------|-------------------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
|                     | 1.2              | Manufacturer's type designation                                 |                             | BD10-XC1*/BD10-XC1-I*  |             | BD15-XXC1*/BD15-XXC1-I* |             | BD15-XD2*/BD15-XC2* |         | BD15-XD2-I*/BD15-XC2-I* |         | BD20-XD2*/BD20-XC2* |       | BD20-XD2-I*/BD20-XC2-I* |       | BD30-XD2*/BD30-XC2* |       | BD30-XD2-I*/BD30-XC2-I* |       | BD40-XC2*    |       | BD40-XC2-I*  |       | BD50-XC2*    |       | BD50-XC2-I*  |       |
|                     | 1.3              | Drive: electric (battery or mains), diesel, petrol, fuel gas    |                             | Electric               |             | Electric                |             | Electric            |         | Electric                |         | Electric            |       | Electric                |       | Electric            |       | Electric                |       | Electric     |       | Electric     |       | Electric     |       | Electric     |       |
|                     | 1.4              | Operator type: hand, pedestrian, standing, seated, order-picker |                             | Seated                 |             | Seated                  |             | Seated              |         | Seated                  |         | Seated              |       | Seated                  |       | Seated              |       | Seated                  |       | Seated       |       | Seated       |       | Seated       |       | Seated       |       |
|                     | 1.5              | Rated capacity/rated load                                       | Q (kg)                      | 1000                   |             | 1500                    |             | 1500                |         | 1500                    |         | 2000                |       | 2000                    |       | 3000                |       | 3000                    |       | 4000         |       | 4000         |       | 5000         |       | 5000         |       |
|                     | 1.9              | Wheelbase                                                       | y (mm)                      | 1210                   |             | 1210                    |             | 1235                |         | 1235                    |         | 1500                |       | 1500                    |       | 1500                |       | 1500                    |       | 1900         |       | 1900         |       | 1900         |       | 1900         |       |
| Weight              | 2.1              | Service Weight                                                  | kg                          | 814/690                |             | 824/700                 |             | 1000                |         | 892                     |         | 1200                |       | 942                     |       | 1260                |       | 1000                    |       | 1790         |       | 1515         |       | 1800         |       | 1525         |       |
|                     | 2.3              | Axle loading, unladen front/rear                                | kg                          | 467/347                | 405/285     | 467/357                 | 405/295     | 515/485             |         | 460/432                 |         | 615/585             |       | 486/456                 |       | 665/595             |       | 535/465                 |       | 895/895      |       | 745/770      |       | 900/900      |       | 750/775      |       |
| Tyres, chassis      | 3.1              | Tyres: solid rubber, superelastic, pneumatic, polyurethane      |                             | Pneumatic              |             | Pneumatic               |             | Pneumatic           |         | Pneumatic               |         | Pneumatic           |       | Pneumatic               |       | Pneumatic           |       | Pneumatic               |       | Pneumatic    |       | Pneumatic    |       | Pneumatic    |       | Pneumatic    |       |
|                     | 3.2              | Tyre size, front                                                |                             | 4.00-8-8PR             |             | 4.00-8-8PR              |             | 5.00-8-10PR         |         | 5.00-8-10PR             |         | 5.00-8-10PR         |       | 5.00-8-10PR             |       | 6.00-9-10PR         |       | 6.00-9-10PR             |       | 7.00-12-12PR |       | 7.00-12-12PR |       | 7.00-12-12PR |       | 7.00-12-12PR |       |
|                     | 3.3              | Tyre size, rear                                                 |                             | 5.00-8-10PR            |             | 5.00-8-10PR             |             | 5.00-8-10PR         |         | 5.00-8-10PR             |         | 5.00-8-10PR         |       | 5.00-8-10PR             |       | 6.00-9-10PR         |       | 6.00-9-10PR             |       | 7.00-12-12PR |       | 7.00-12-12PR |       | 7.00-12-12PR |       | 7.00-12-12PR |       |
|                     | 3.5              | Wheels, number front / rear (x = driven wheels)                 |                             | 4(x=2)                 |             | 4(x=2)                  |             | 4(x=2)              |         | 4(x=2)                  |         | 4(x=2)              |       | 4(x=2)                  |       | 4(x=2)              |       | 4(x=2)                  |       | 4(x=2)       |       | 4(x=2)       |       | 4(x=2)       |       | 4(x=2)       |       |
|                     | 3.6              | Tread, front                                                    | b10 (mm)                    | 879                    |             | 879                     |             | 1095                |         | 1095                    |         | 1095                |       | 1095                    |       | 1095                |       | 1095                    |       | 1290         |       | 1290         |       | 1290         |       | 1290         |       |
|                     | 3.7              | Tread, rear                                                     | b11 (mm)                    | 863                    |             | 863                     |             | 1130                |         | 1130                    |         | 1130                |       | 1130                    |       | 1145                |       | 1145                    |       | 1290         |       | 1290         |       | 1290         |       | 1290         |       |
| Dimensions          | 4.7              | Height of overhead guard                                        | h6 (mm)                     | 1925                   |             | 1925                    |             | 1865                |         | 1865                    |         | 1865                |       | 1865                    |       | 1900                |       | 1900                    |       | 1990         |       | 1990         |       | 1990         |       | 1990         |       |
|                     | 4.12             | Coupling height                                                 | h10 (mm)                    | 440                    |             | 440                     |             | 350                 |         | 350                     |         | 350                 |       | 350                     |       | 400                 |       | 400                     |       | 440          |       | 440          |       | 440          |       | 440          |       |
|                     | 4.16             | Length of loading surface                                       | l3 (mm)                     | 1400                   |             | 1600                    |             | 1600                |         | 1600                    |         | 2000                |       | 2000                    |       | 2000                |       | 2000                    |       | 2600         |       | 2600         |       | 2600         |       | 2600         |       |
|                     | 4.18             | Width of loading surface                                        | b3(mm)                      | 1000                   |             | 1000                    |             | 1300                |         | 1300                    |         | 1300                |       | 1300                    |       | 1300                |       | 1300                    |       | 1500         |       | 1500         |       | 1500         |       | 1500         |       |
|                     | 4.19             | Overall length                                                  | l1 (mm)                     | 2600                   |             | 2800                    |             | 2875                |         | 2875                    |         | 3275                |       | 3275                    |       | 3275                |       | 3275                    |       | 3875         |       | 3875         |       | 3875         |       | 3875         |       |
|                     | 4.21             | Overall width                                                   | b1(mm)                      | 1000                   |             | 1000                    |             | 1300                |         | 1300                    |         | 1300                |       | 1300                    |       | 1300                |       | 1300                    |       | 1500         |       | 1500         |       | 1500         |       | 1500         |       |
|                     |                  | Overall Height                                                  | (mm)                        | 1240                   |             | 1240                    |             | 1210                |         | 1210                    |         | 1210                |       | 1210                    |       | 1244                |       | 1244                    |       | 1335         |       | 1335         |       | 1335         |       | 1335         |       |
|                     | 4.32             | Ground clearance, centre of wheelbase                           | m2 (mm)                     | 120                    |             | 120                     |             | 120                 |         | 120                     |         | 120                 |       | 120                     |       | 155                 |       | 155                     |       | 175          |       | 175          |       | 175          |       | 175          |       |
|                     | 4.35             | Turning radius                                                  | Wa (mm)                     | 2700                   |             | 2700                    |             | 2850                |         | 2850                    |         | 3300                |       | 3300                    |       | 3300                |       | 3300                    |       | 3900         |       | 3900         |       | 3900         |       | 3900         |       |
|                     | Performance data | 5.1                                                             | Travel speed, laden/unladen | km/h                   | 13/17.5     |                         | 12/17.5     |                     | 13.5/18 |                         | 13.5/18 |                     | 14/18 |                         | 14/18 |                     | 13/20 |                         | 13/20 |              | 13/16 |              | 13/16 |              | 12/16 |              | 12/16 |
| 5.6                 |                  | Max. Drawbar pull                                               | N                           | 3650                   |             | 3650                    |             | 5200                |         | 5200                    |         | 5200                |       | 5200                    |       | 6500                |       | 6500                    |       | 9000         |       | 9000         |       | 9000         |       | 9000         |       |
| 5.8                 |                  | Max. gradeability, laden                                        | %                           | 15                     |             | 10                      |             | 12                  |         | 12                      |         | 12                  |       | 12                      |       | 12                  |       | 12                      |       | 12           |       | 12           |       | 12           |       | 12           |       |
| 5.10                |                  | Service brake                                                   |                             | Electromagn+Hydraulic  |             |                         |             |                     |         |                         |         |                     |       |                         |       |                     |       |                         |       |              |       |              |       |              |       |              |       |
|                     |                  | Parking brake                                                   |                             | Mechanical             |             | Mechanical              |             | Mechanical          |         | Mechanical              |         | Mechanical          |       | Mechanical              |       | Mechanical          |       | Mechanical              |       | Mechanical   |       | Mechanical   |       | Mechanical   |       | Mechanical   |       |
| Electric-engine     | 6.1              | Drive motor rating S2 60 min                                    | kW                          | 3                      |             | 3                       |             | 5                   |         | 5                       |         | 5                   |       | 5                       |       | 5                   |       | 5                       |       | 6            |       | 6            |       | 6            |       | 6            |       |
|                     | 6.4              | System battery voltage, nominal capacity K5                     | V/Ah                        | 48/140                 | 51.52/125   | 48/140                  | 51.52/125   | 72/120              |         | 80/125                  |         | 72/180              |       | 80/125                  |       | 72/180              |       | 80/125                  |       | 72/240       |       | 80/228       |       | 72/240       |       | 80/228       |       |
|                     | 6.5              | Battery weight                                                  | kg                          | 224                    | 100         | 224                     | 100         | 268                 |         | 150                     |         | 418                 |       | 150                     |       | 418                 |       | 150                     |       | 485          |       | 210          |       | 485          |       | 210          |       |
|                     |                  | Battery dimensions                                              | (mm)                        | 850/400/330            | 830/400/300 | 850/400/330             | 830/400/300 | 1072/402/321        |         | 1070/400/370            |         | 1072/566/321        |       | 1070/400/370            |       | 1072/566/321        |       | 1070/400/370            |       | 1072/566/321 |       | 1070/564/370 |       | 1072/566/321 |       | 1070/564/370 |       |
|                     | 10.7             | Sound pressure level at the driver's seat                       | dB (A)                      | < 65                   |             | < 65                    |             | < 65                |         | < 65                    |         | < 65                |       | < 65                    |       | < 65                |       | < 65                    |       | < 65         |       | < 65         |       | < 65         |       | < 65         |       |

**Note:**  
Electric control configuration: D1(INMOTION) / C1(CURTIS) / C2(CURTIS) controller is suitable for heavy working conditions, such as climbing long slopes, passing speed bumps, and starting from a stationary position in front of railway tracks  
★ CE model

## 1.5/2.0/3.0t Specifications of platforms

| Length<br>Width | 1600                     | 2000                     | 2240 | 2400 | 3000 | 4000 | 4500 |
|-----------------|--------------------------|--------------------------|------|------|------|------|------|
| 1300            | ■ Standard configuration | ■ Standard configuration | ●■   | ●■   |      |      |      |
| 1400            |                          | ●■                       | ●■   | ●■   |      |      |      |
| 1500            |                          |                          |      | ●■   | ●■   | ●■   | ●■   |
| 1800            |                          |                          |      |      |      | ○■   |      |

**Note:** ● Preferably select ○ optional Guardrail height: ■ 220: □ 320mm

## 4.0/5.0t Specifications of platforms

| Length<br>Width | 2600                     | 3200 | 4000 | 4600 | 5000 | 6000 |
|-----------------|--------------------------|------|------|------|------|------|
| 1500            | ■ Standard configuration | ● ■  | ● ■  | ○ ■  |      |      |
| 1600            |                          | ○ ■  | ○ ■  |      |      |      |
| 1800            |                          |      | ○ ■  |      |      |      |
| 2000            |                          |      | ○ ■  | ○ ■  | ○ ■  | ○ ■  |
| 2600            |                          |      |      | ○ ■  |      |      |

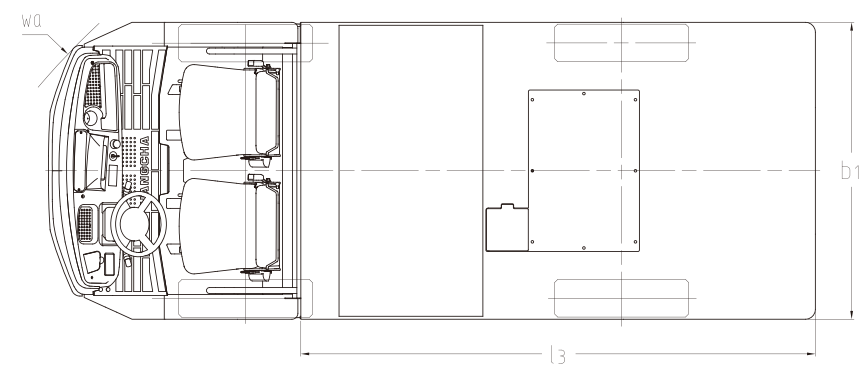
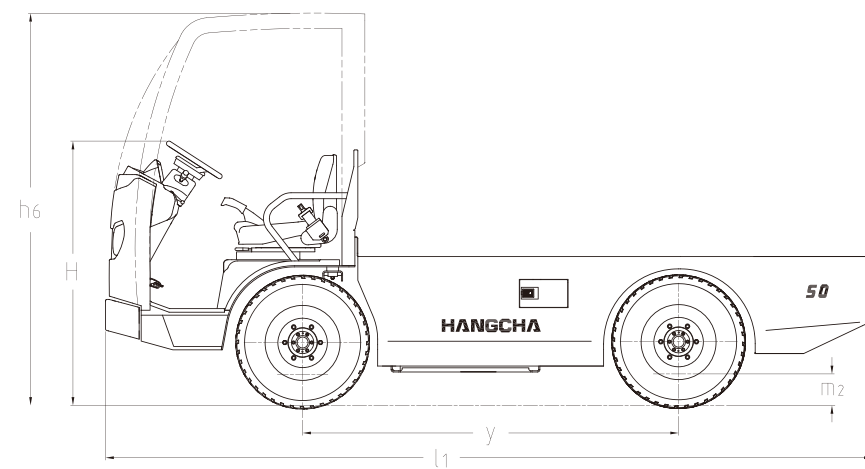
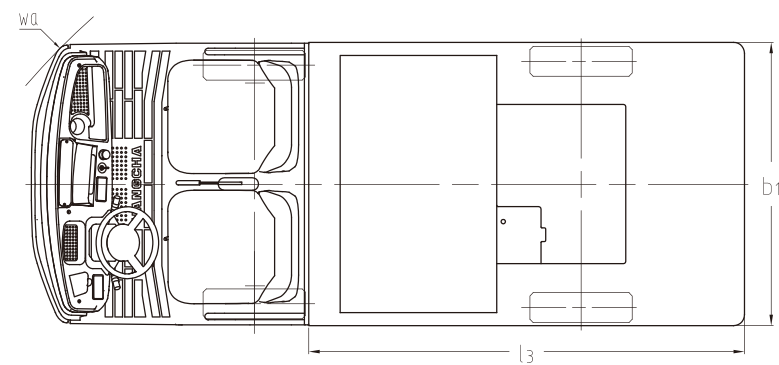
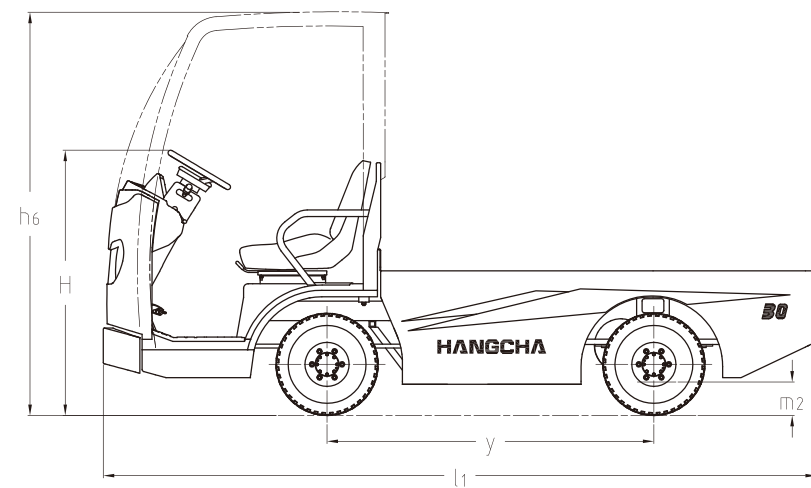
**Note:** ● Preferably select ○ optional Guardrail height: ■ 220: □ 320mm

## Table of the battery

|                   | Capacity(Ah) | BD10 | BD15-X | BD15 | BD20 | BD30 | BD40 | BD50 |
|-------------------|--------------|------|--------|------|------|------|------|------|
| Lead-acid battery | 115          |      |        | ○    |      |      |      |      |
|                   | 120          |      |        | ●    |      |      |      |      |
|                   | 135          |      |        | ○    |      |      |      |      |
|                   | 140          | ●    | ●      | ○    |      |      |      |      |
|                   | 165          |      |        | ○    | ○    | ○    |      |      |
|                   | 180          |      |        |      | ●    | ●    |      |      |
|                   | 210          |      |        |      | ○    | ○    |      |      |
|                   | 220          |      |        |      | ○    | ○    |      |      |
|                   | 240          |      |        |      | ○    | ○    | ●    | ●    |
|                   | 252          |      |        |      | ○    | ○    | ○    | ○    |
|                   | 300          |      |        |      | ○    | ○    | ○    | ○    |
|                   | 330          |      |        |      | ○    | ○    | ○    | ○    |
|                   | 385          |      |        |      |      |      | ○    | ○    |
| 420               |              |      |        |      |      | ○    | ○    |      |
| Lithium battery   | 125(CATL)    | ●    | ●      | ●    | ●    | ●    |      |      |
|                   | 228(CATL)    |      |        |      | ○    | ○    | ●    | ●    |
|                   | 230(EVE)     |      |        | ○    | ○    | ○    | ○    | ○    |
|                   | 304(EVE)     |      |        |      | ○    | ○    | ○    | ○    |

**Note:**

- Standard battery capacity ;
- Optional battery capacity



Easy/  
Efficiency/  
Economy

