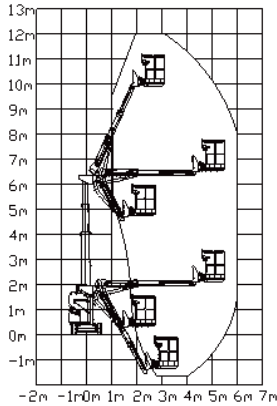
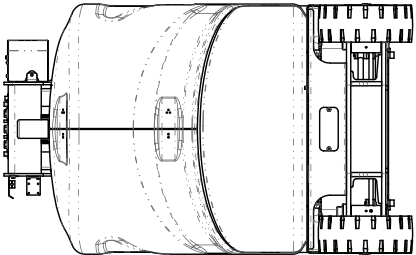


Technical Data

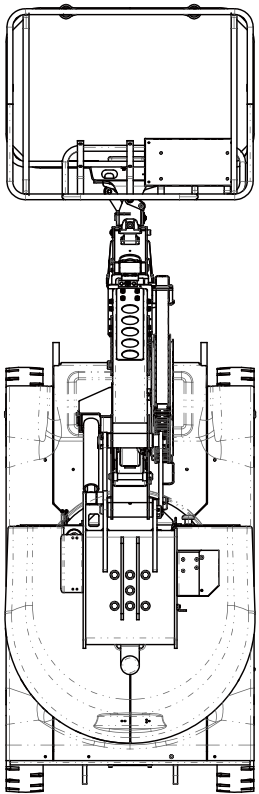
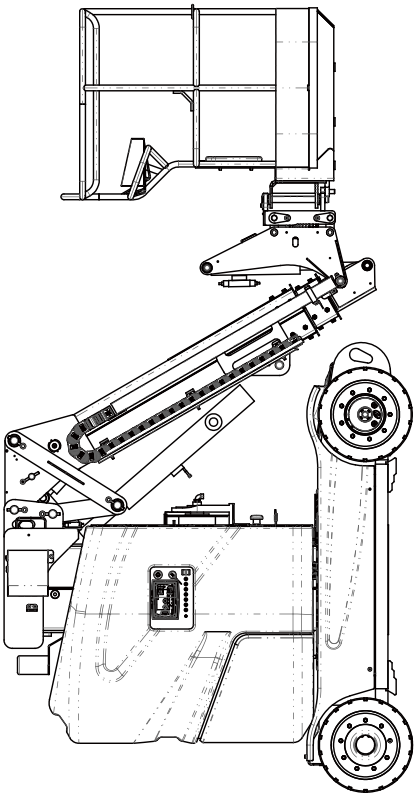
|                                              |       |                                                      |
|----------------------------------------------|-------|------------------------------------------------------|
| Parameter items                              | unit  | HV120AJ                                              |
| Max. working height                          | m     | 12                                                   |
| Max. platform height                         | m     | 10                                                   |
| Horizontal extension distance                | m     | 5.5+0.5                                              |
| Horizontal height                            | m     | 5.99                                                 |
| Capacity                                     | kg    | 200                                                  |
| Length                                       | m     | 3.9                                                  |
| Width                                        | m     | 1.2                                                  |
| Height                                       | m     | 1.98                                                 |
| Ground clearance (to center of frame)        | mm    | 120                                                  |
| Ground clearance (to anti-overturning plate) | mm    | 80                                                   |
| Turret rotation                              | °     | 345                                                  |
| Platform rotation                            | °     | 120                                                  |
| Short jib swing angle                        | °     | +65/-60                                              |
| wheel base                                   | m     | 1.6                                                  |
| Turning radius(inside)                       | m     | 0.75                                                 |
| Turning radius(outside)                      | m     | 2.6                                                  |
| Platform length                              | m     | 0.8                                                  |
| Platform width                               | m     | 1.2                                                  |
| Tire size                                    | mm    | 454*178                                              |
| Battery                                      | V /Ah | 48 / 160 (lithium battery) / 200 (lead acid battery) |
| Charger                                      | V / A | 48/40                                                |
| Max. Travelling speed                        | km/h  | 6                                                    |
| Max. Travelling speed (working status)       | km/h  | 0.5                                                  |
| Max. slop rating                             | %     | 30                                                   |
| Maximum allowable inclination                | °     | 3                                                    |
| Driving motor                                | Kw    | 2*1.5                                                |
| Oil pump motor                               | Kw    | 6                                                    |
| Weight                                       | kg    | 5000                                                 |

Features

| Truck                             | Standard | Options |
|-----------------------------------|----------|---------|
| Self-propelled                    | ●        |         |
| No marking tyre                   | ●        |         |
| 4 X 2 drive                       | ●        |         |
| 345°non-continuous turret turning | ●        |         |
| Swing cover                       | ●        |         |
| Lithium battery                   |          | ○       |
| AC power socket preset value      |          | ○       |
| Cab                               |          |         |
| The proportional joystick         | ●        |         |
| Controls and instruments          |          |         |
| Emergency lower system            | ●        |         |
| Emergency stop system             | ●        |         |
| Safety                            |          |         |
| The anti-overturning system       | ●        |         |
| Automatic break system            | ●        |         |
| Explosion proof valve             | ●        |         |
| Fault diagnosis                   | ●        |         |
| Self-leveling system              | ●        |         |
| Full motion alarm                 |          | ○       |
| Height limit anti-collision rod   |          | ○       |
| Anti-pinch device in the basket   |          | ○       |
| Lights                            |          |         |
| Flashing light                    | ●        |         |
| Work lamp                         |          | ○       |



Scope of work



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Forklift" App



ISO45001:2018



ISO14001:2015



ISO9001:2015



HANGCHA trucks conform to the European Safety Requirements.



HV120AJ

VERTICAL MAST LIFT

# HV120AJ

## VERTICAL MAST LIFT

Your reliable, powerful and connected working machine.



## EVERY JOB IS IN YOUR REACH



### MACHINE CHARACTERISTICS

- Equipped with overload sensing system, tilt alarm, emergency lower system and other perfect safety configuration.
- Mast and flying jib self-weight ratio decreased, zero energy consumption, make it stronger endurance.
- Automatic hydraulic leveling of the work platform, smooth without impact.
- High quality guarantee, excellent performance, safety and reliability.
- AC drive system is energy-saving and efficient, the motor is maintenance-free, and full movement speed use proportional control system.
- Compact structure: 1.2 meters ultra-narrow body, 2.6 meters turning radius(outside), it has good passability.

**1200mm**  
ULTRA-NARROW BODY

**2600mm**  
TURNING RADIUS



Built-in wide voltage smart charger, make it convenient energy supplement.



The machine is equipped with the CAN BUS control system and easy for troubleshooting.



Standard lead-acid battery, optional lithium battery, five years warranty.

## WORKS LIKE AN EXTENSION OF YOU

Three-level telescopic flying jib + basket horizontal rotation, make it wider working range.



## Parametri di prestazione del prodotto (solo per riferimento)

| Parametro                                 | Unità                           | HV120AJ                                              |
|-------------------------------------------|---------------------------------|------------------------------------------------------|
| Lunghezza                                 | m                               | 3.9                                                  |
| Larghezza                                 | m                               | 1.2                                                  |
| Altezza                                   | m                               | 1.98                                                 |
| Altezza da terra                          | mm                              | 120                                                  |
| Altezza da terra (fino al ribaltamento)   | mm                              | 80                                                   |
| Peso della macchina                       | kg                              | 5000                                                 |
| Altezza massima di lavoro                 | m                               | 12                                                   |
| Altezza massima della piattaforma         | m                               | 10                                                   |
| Allungamento orizzontale massimo          | m                               | 5.5                                                  |
| Altezza massima di attraversamento        | m                               | 5.99                                                 |
| Capacità portante massima                 | kg                              | 200                                                  |
| Passo                                     | m                               | 1.6                                                  |
| Raggio di sterzata della ruota interna    | m                               | 0.75                                                 |
| Raggio di sterzata della ruota esterna    | m                               | 2.6                                                  |
| Funzionamento manuale massimo consentito  | N                               | 400                                                  |
| Lunghezza della piattaforma di lavoro     | m                               | 0.8                                                  |
| Larghezza della piattaforma di lavoro     | m                               | 1.2                                                  |
| Diametro pneumatico                       | mm                              | 454                                                  |
| Larghezza pneumatico                      | mm                              | 178                                                  |
| Pressione dell'impianto idraulico         | MPa                             | 20                                                   |
| Tensione di sistema (DC)                  | V                               | 48                                                   |
| Batteria                                  | V/Ah                            | 48/160 (batteria al litio) /200 (batteria al piombo) |
| Corrente del caricatore                   | V/A                             | 48/40                                                |
| Velocità di marcia (rapida)               | km/h                            | 6                                                    |
| Velocità di marcia (stato di lavoro)      | km/h                            | 0.5                                                  |
| Pendenza                                  | %                               | 30                                                   |
| Velocità massima consentita del vento     | m/s                             | 12.5                                                 |
| Rumorosità                                | dBA                             | ≤80                                                  |
| Angolo di inclinazione massimo consentito | Longitudinale 3° trasversale 2° |                                                      |

Diagramma dell'intervallo di lavoro

