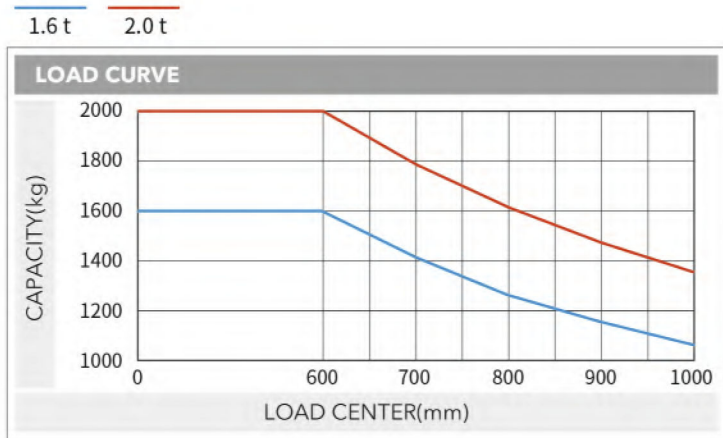


Note: The free lift height is 4600mm-6300mm when the truck is not assembled with backrest. The free lift height is 175mm increased and other height is 25mm increased.

Ast: Right angle stacking aisle width
a: Clearance $a=200\text{mm}$



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

NOTE: *Detailed information about battery, please contact our salesmen or engineer.

Information display	Performance selecting button (up)
Low voltage indicator	Performance selecting button (down)
Fault indicator	Value setting button (decrease)
Oil temperature indicator (spare use)	Value setting button (increase)
Foot pedal safety switch indicator	Exit
Electric brake indicator	Enter
Seat belt switch indicator (spare use)	

- The reliable special instrument gives a complete display of the vital information, like operation status, fault detection, etc. It ensures the operator predominate the vehicle status more intuitive and convenient.

- Vehicle positioning
- Remote diagnosis
- Remote monitoring
- Maintenance reminder
- Battery management
- Statistical form
- Vehicle management
- Identification recognition (optional)
- Weight management (optional)
- Collision management (optional)

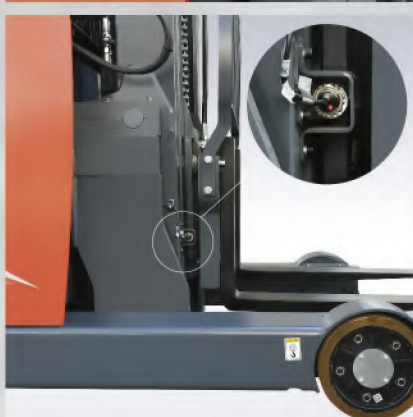
Charger technology



- **High Efficiency**
Charging efficiency higher than 95% meeting the requirements of energy saving and emissions reduction.
- **Speediness**
100% charging realized in 2 hours at the soonest.
- **Compatibility**
48V/80V compatibility meeting the demand of different voltage levels.
- **Safety**
Built-in mis-connecting protection offering self isolating function under fault; Perfect fault self checking alarm facilitating users maintenance.



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Intelligent security protection

- Intelligent stabilization system : it can automatically adjust the mast and the truck speed according to the lifting height and load state . Improve the high bearing capacity and vehicle stacking safety ;
- Intelligent speed limit in different application : multi-scenario identification and intelligent speed limit balance efficiency and safety ;
- Intelligent limit buffering : intelligent induction of mast lifting and lowering avoids extreme impact and is safe and comfortable ;
- Intelligent operation protection : a full set of OPS system can avoid misoperation and ensure safety ;
- Intelligent control strategy : dual core controller is in line with the latest EU safety requirements ;
- Intelligent steering deceleration : the automatic deceleration function of the turning can reduce the risk of turning over ;



Automatic deceleration for turning

New designed hydraulic system

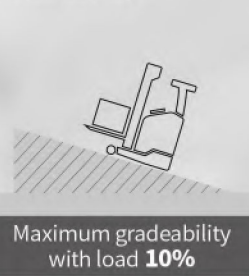
- New designed hydraulic system with high working efficiency
- High power lifting motor
- MOSFET lifting speed governing electric controller
- New type low noisy gear pump

High performance guarantee high efficiency

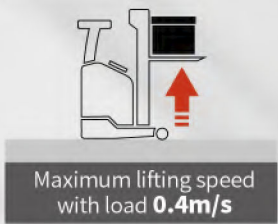
- Lifting speed is increased by 10% and thus more goods can be lifted under the same conditions
- The truck has fast driving and lifting speed, higher working efficiency
- ZAPI Dual CPU controller conforming to the latest EU standard is equipped;
- The newly designed high-performance 80V voltage level motor has strong power;
- The latest ZAPI instrument can be equipped with height preset function. One key to reach the set height improves operation efficiency
- Small turning radius makes steering flexible and easy



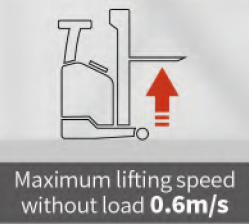
Driving speed **14km/h**



Maximum gradeability with load **10%**



Maximum lifting speed with load **0.4m/s**



Maximum lifting speed without load **0.6m/s**

Advanced EPS electric powered steering

- EPS electric powered steering offering easy , flexible , high efficient and mute operation
- Steering motor controller
- Automatic centering function
- Real-time shifting between 180° steering mode and 360° steering mode
- Automatic limit on speed and accelerated speed when steering

Easy operated thumb switch

- To control hydraulic functions
- Clear operating units
- Proportional solenoid offering a stable and comfort lowering action

Environment Friendly

- Zero emission
- Low noise
- Free of heavy metals
- No corrosion
- No acid mist volatilization

Maintenance Free

- Unnecessary of fluid adding and dust proofing
- Daily maintenance free
- Manual maintenance free

Long Service Life

- Over 75% capacity reserved after 4000 shifts operation
- Longer service life than lead-acid battery in equal working condition
- 5 years or ten thousand hours quality guarantee for high performance lithium battery



Operating Cost Comparison:

Lithium battery forklift **VS.** Lead-acid battery forklift

Lithium battery forklift VS. Lead-acid battery forklift
The advantages of HELI lithium battery forklift trucks are more prominent in the cycle cost.
Lithium battery forklift truck has the advantages of no noise, no pollution, small vibration and simple operation
Compared with the lead-acid battery forklift truck, lithium battery forklift has the characteristics of fast charging and charging at any time, which is more suitable for multi shift operation.
Besides, HELI lithium battery forklift is maintenance free, high power conversion efficiency, and economical overall operation cost

Explicit cost

Invisible cost

Purchase cost

Maintenance cost

Electricity charge

Lithium Battery Forklift

Purchase cost

Maintenance cost

Battery changing cost

Electricity charge

Lead-acid Battery Forklift

High Efficiency and Energy Saving

- 1-2 hours charging meet 6-8 hours working demand
- High-energy density , self discharging rate lower than 1% per month
- 95% energy conversion rate , superior charging and discharging performance
- Flexible to charge , easy to operate , no impact on battery life
- Unnecessary to change battery , cost saving

High Safety

- According to the characteristics of industrial vehicles , it achieves safety protection design which includes lithium battery materials , battery core type , pack technique and system power management
- "Multiple node safety closed circuit protection" realizing truck real time closed circuit protection in variable conditions
- "Lock affirming" function during charging avoiding "hot connecting and disconnecting" operation effectively
- "Whole system emergency button" to disconnect the truck control system and bms power quickly ensuring truck safety

Suitable for working in both high and low environment

- Lithium battery low temperature automatic heating , low temperature adaptation performance is superior
- Lithium battery is better than lead-acid battery when working between -25°C and 55°C

