

# CTL15

## VNA (VERY NARROW AISLE) FORKLIFT

 1500 kg    13000 mm    48 V



Engineered for warehouses, distribution centers, and manufacturing sites with limited space and high stacking requirements, the CTL15 excels in operations demanding precision and speed. It's perfect for high-bay storage, narrow-aisle pallet handling, and automated or semi-automated racking systems. With rail-guided travel and an ergonomic side-seated layout, it ensures safe, comfortable, and accurate load handling even in the most confined warehouse environments

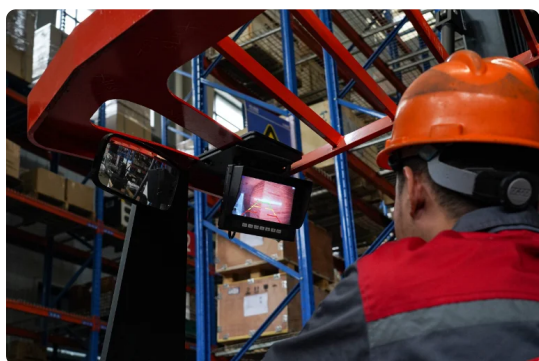
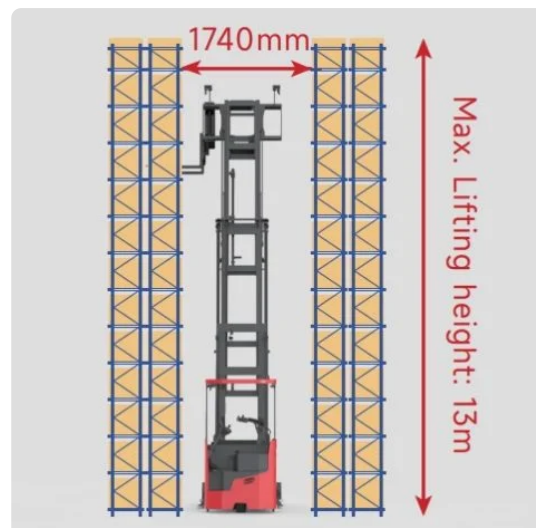
| SPECIFICATION                               | REF                            | UNIT | VALUE       |
|---------------------------------------------|--------------------------------|------|-------------|
| Battery nominal capacity K5                 |                                | Ah   | 560         |
| Battery voltage                             |                                | V    | 48          |
| Rated capacity                              | Q                              | kg   | 1500        |
| Load centre distance                        | c                              | mm   | 600         |
| Service weight                              |                                | kg   | 7020        |
| Height, mast lowered                        | h <sub>1</sub>                 | mm   | 3460        |
| Height, mast extended                       | h <sub>4</sub>                 | mm   | 7695        |
| Overall length                              | l <sub>1</sub>                 | mm   | 3048        |
| Overall width                               | b <sub>1</sub> /b <sub>2</sub> | mm   | 1270/1500   |
| Fork dimensions                             | s/e/l                          | mm   | 50/120/1200 |
| Turning radius                              | Wa                             | mm   | 2185        |
| Manufacturer                                |                                |      | EP          |
| Model designation                           |                                |      | CTL15       |
| Drive                                       |                                |      | Electric    |
| Operator type                               |                                |      | Seated      |
| Load distance, centre of drive axle to fork | x                              | mm   | 213         |

# Features

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## Maximized warehouse efficiency

With a minimum aisle width of just 1740 mm, the CTL15 allows facilities to increase racking density and storage capacity. Its trilateral head with sideshifter delivers 180° multi-directional load handling, maximizing throughput while minimizing travel space requirements.

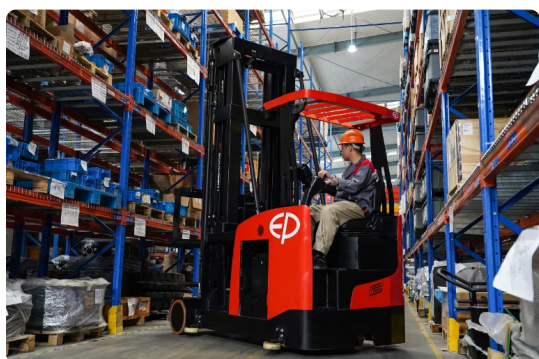


## Precision control systems

Operators can lift, lower, and position loads with absolute accuracy thanks to a proportional lift system and a programmable height preselector. A built-in camera and monitor enhance visibility at height, ensuring safe, confident load handling at every level.

## Lithium-ion power advantage

The 48 V/560 Ah Li-ion battery provides long operating time with fast opportunity charging and no maintenance. Paired with a 200 A external charger, it guarantees consistent uptime and cost-effective operation across multiple shifts.



## Ergonomic and safe design

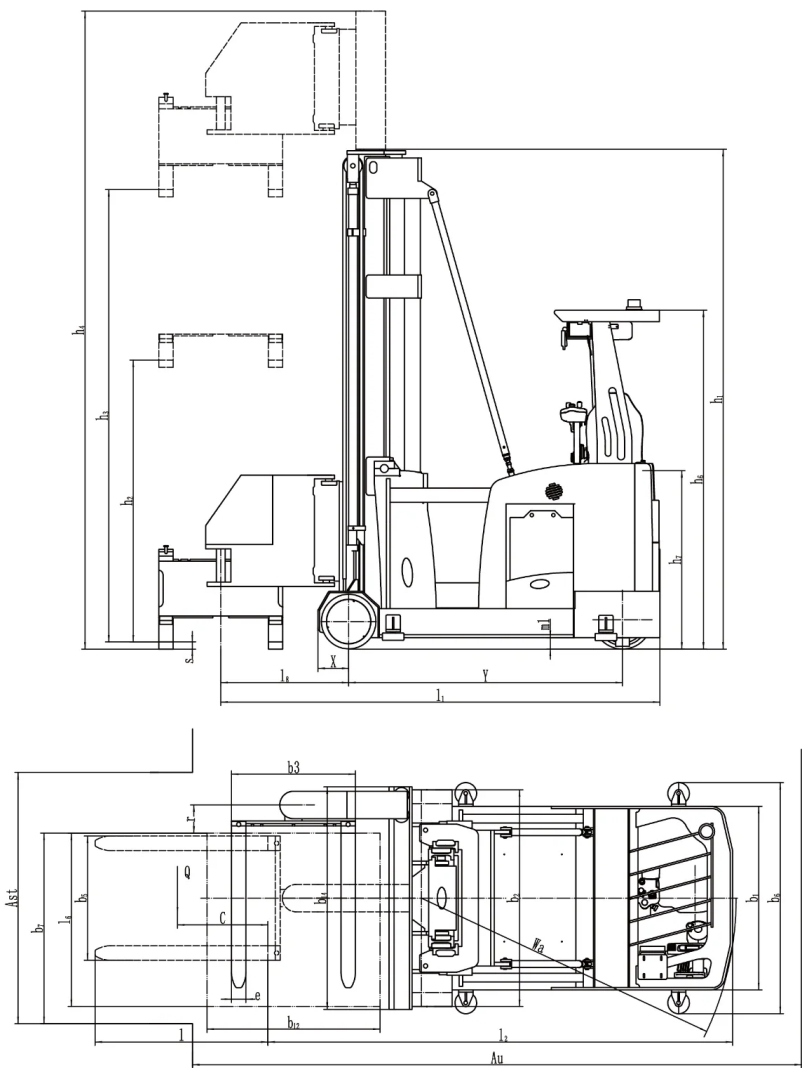
A side-seated configuration gives operators excellent visibility and comfort during extended operation. Automatic speed reduction based on mast height ensures safety, while intuitive joystick controls enable smooth, fatigue-free maneuvering.

# VDI Chart

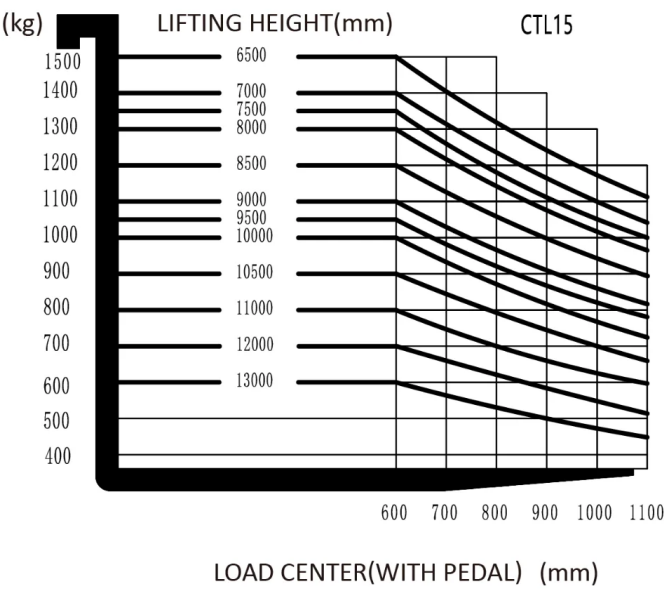
|        | SPECIFICATION                                 | REF                            | UNIT | VALUE           |
|--------|-----------------------------------------------|--------------------------------|------|-----------------|
| 1.1    | Manufacturer                                  |                                |      | EP              |
| 1.2    | Model designation                             |                                |      | CTL15           |
| 1.3    | Drive                                         |                                |      | Electric        |
| 1.4    | Operator type                                 |                                |      | Seated          |
| 1.5    | Rated capacity                                | Q                              | kg   | 1500            |
| 1.6    | Load centre distance                          | c                              | mm   | 600             |
| 1.8    | Load distance, centre of drive axle to fork   | x                              | mm   | 213             |
| 1.9    | Wheelbase                                     | y                              | mm   | 1900            |
| 2.1    | Service weight                                |                                | kg   | 7020            |
| 2.2    | Axle loading, laden front/rear                |                                | kg   | 2000/6760       |
| 2.3    | Axle loading, unladen front/rear              |                                | kg   | 2780/4380       |
| 3.2    | Tyre size, front                              |                                | mm   | Ø406×170        |
| 3.3    | Tyre size, rear                               |                                | mm   | Ø380×192        |
| 3.5    | Wheels, number front/rear (x=drive wheels)    |                                |      | 1x, 2           |
| 4.2    | Height, mast lowered                          | h <sub>1</sub>                 | mm   | 3460            |
| 4.5    | Height, mast extended                         | h <sub>4</sub>                 | mm   | 7695            |
| 4.7    | Height of overhead guard (cabin)              | h <sub>6</sub>                 | mm   | 2346            |
| 4.19   | Overall length                                | l <sub>1</sub>                 | mm   | 3048            |
| 4.21   | Overall width                                 | b <sub>1</sub> /b <sub>2</sub> | mm   | 1270/1500       |
| 4.22   | Fork dimensions                               | s/e/l                          | mm   | 50/120/1200     |
| 4.23   | Fork carriage ISO 2328, class/type A, B       |                                |      | 2A              |
| 4.24   | Fork carriage width                           |                                | mm   | 860             |
| 4.31   | Ground clearance, laden, below mast           |                                | mm   | 80              |
| 4.32   | Ground clearance, centre of wheelbase         | m <sub>2</sub>                 | mm   | 80              |
| 4.34.1 | Aisle width for pallets 1000×1200 crossways   | Ast                            | mm   | 1740            |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast                            | mm   | 1740            |
| 4.35   | Turning radius                                | wa                             | mm   | 2185            |
| 5.1    | Travel speed, laden/unladen                   |                                | km/h | 10/10.5         |
| 5.2    | Lift speed, laden/unladen                     |                                | m/s  | 0.4/0.47        |
| 5.3    | Lowering speed, laden/unladen                 |                                | m/s  | 0.55/0.45       |
| 5.10   | Service brake                                 |                                |      | Electromagnetic |
| 5.11   | Parking brake                                 |                                |      | Electromagnetic |

|      | SPECIFICATION                             | REF | UNIT  | VALUE |
|------|-------------------------------------------|-----|-------|-------|
| 6.2  | Lift motor rating at S3 15%               |     | kW    | 20    |
| 6.4  | Battery nominal capacity K5               |     | Ah    | 560   |
| 6.4  | Battery voltage                           |     | V     | 48    |
| 6.5  | Battery weight                            |     | kg    | 250   |
| 8.1  | Type of drive unit                        |     |       | AC    |
| 10.7 | Sound pressure level at the driver's seat |     | dB(A) | 75    |
| 15.1 | Charger output current                    |     | A     | 200   |

## VDI Drawing



# RATED CAPACITIES GRAPH



## Mast Options

| MAST TYPE   | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) | FREE LIFT HEIGHT, NO BACKREST (H2, MM) |
|-------------|----------------------|------------------------------|--------------------------------------------|----------------------------------------|
| 3-Free Mast | 5000                 | 2890                         | 6195                                       | 1735                                   |
| 3-Free Mast | 5500                 | 3090                         | 6695                                       | 1935                                   |
| 3-Free Mast | 6000                 | 3260                         | 7195                                       | 2105                                   |
| 3-Free Mast | 6500                 | 3460                         | 7695                                       | 2305                                   |
| 3-Free Mast | 7000                 | 3625                         | 8195                                       | 2470                                   |
| 3-Free Mast | 7500                 | 3790                         | 8695                                       | 2635                                   |
| 3-Free Mast | 8000                 | 3990                         | 9195                                       | 2835                                   |
| 3-Free Mast | 8500                 | 4155                         | 9695                                       | 3000                                   |
| 3-Free Mast | 9000                 | 4355                         | 10195                                      | 3200                                   |
| 3-Free Mast | 9500                 | 4525                         | 10695                                      | 3370                                   |
| 3-Free Mast | 10000                | 4890                         | 11695                                      | 3735                                   |
| 3-Free Mast | 10500                | 4890                         | 11695                                      | 3735                                   |
| 3-Free Mast | 11000                | 5090                         | 12195                                      | 3935                                   |

| MAST TYPE   | LIFT HEIGHT (H3, MM) | MAST LOWERED HEIGHT (H1, MM) | MAST EXTENDED HEIGHT, NO BACKREST (H4, MM) | FREE LIFT HEIGHT, NO BACKREST (H2, MM) |
|-------------|----------------------|------------------------------|--------------------------------------------|----------------------------------------|
| 3-Free Mast | 12000                | 5440                         | 13195                                      | 4285                                   |
| 3-Free Mast | 13000                | 5790                         | 14195                                      | 4635                                   |

# Options

| ITEM                           | OPTIONS (optional items marked in yellow)                     |
|--------------------------------|---------------------------------------------------------------|
| Fork dimension                 | 1000*600, 2A, 120*50*1200                                     |
| Battery capacity               | 48V/560Ah Li-ion                                              |
| Charger                        | 48V/200A External                                             |
| Front lamp                     | LED                                                           |
| Rear lamp                      | No   LED                                                      |
| Warning lamp                   | Yes and not customized                                        |
| Blue lamp                      | No   Yes and not customized                                   |
| Area warning lamp              | No   Yes and not customized                                   |
| Rearview mirror                | Yes and not customized                                        |
| Buzzer                         | Yes and not customized                                        |
| Camera                         | Yes and not customized                                        |
| Fire extinguisher              | No   Yes and not customized                                   |
| OPS system                     | Yes and not customized                                        |
| USB interface                  | No   Yes and not customized                                   |
| Telematics                     | Yes and not customized                                        |
| Battery side pull function     | Yes and not customized                                        |
| Cold storage                   | No   Yes and not customized                                   |
| Battery side pull attachment   | Yes and not customized   No                                   |
| Operator identification device | No   Card reader   Fingerprint lock   Card reader with keypad |