CTL15

Man-down Seated VNA Truck 1500kg

Let's grow together

LI-ION TECHNOLOGY

- Maximizes warehouse space with 1740 mm minimum working aisle width and 13000mm maximum lift height
- Versatile trilateral head for 180°multi-directional load handling on either side or front of the truck
- 48V/560Ah Li-ion battery with lateral extraction capability for extended operations
- Precise load positioning and handling with height preselector and proportional lifting system
- Guide wheels ensure accurate rail-guided travel within narrow aisles
- Ergonomic side-seated design for operator comfort and visibility

Manufacturer			EP
Model designation			CTL15
Drive unit			Electric
Load Capacity	Q	kg	1500
Load center distance	c	mm	600
Service weight		kg	7020
Lift height	h3	mm	6500
Height, mast extended	h4	mm	7695
Length to face of forks	l2	mm	3225
Overall width	b1/b2	mm	1270/1500
Fork dimensions	s/e/l	mm	50/120/1200
Reach,sideways	l4	mm	1300
Working aisle width for 1200×1200 pallet	Ast	mm	1740
Turning radius	Wa	mm	2185
Travel speed, laden/unladen		km/ h	10/10.5
Lifting speed, laden/unladen		m/s	0.4/0.47
Lowering speed, laden/unladen		m/s	0.55/0.45
Battery voltage/nominal capacity		V/Ah	48/560

FEATURE

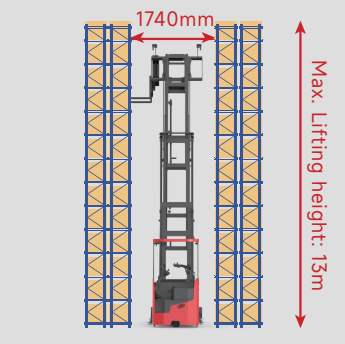
Maximized Warehouse Efficiency

CTL15 combines multiple features to help you maximize warehouse efficiency. From its compact design to its high-performance capabilities, this truck is engineered to optimize storage density, enhance operational speed, and improve overall productivity in high-density warehousing environments.

•The narrow 1740 mm aisle width requirement maximizes space utilization, and the trilateral head with sideshifter offers 180° multi-directional handling capabilities on both sides of aisles while travelling straight. Both advantages allow for more storage racks in the same floor area compared to traditional forklifts.

•The CTL15 reaches a maximum lift height of 13 meters, enabling efficient use of vertical space in high-bay storage applications.

•Rapid load handling is achieved through impressive lifting speeds of 0.4/0.47 m/s and lowering speeds of 0.55/0.45 m/s (laden/unladen).



Precise and Easy Control

The CTL15 ensures a high degree of precision and convenience when driving and positioning by the impressive configurations:

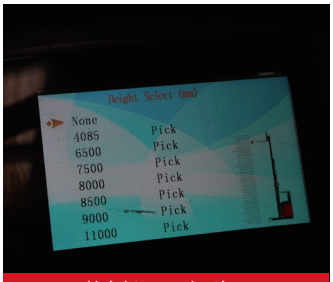
•The CTL15's proportional lift system offers fine control over lifting and lowering, crucial for handling delicate loads in tight spaces.

•The height preselection function allows operators to input specific heights for automatic positioning.

•A standard camera system provides clear views at elevated heights via a monitor so that operators can precisely know the location of the forks with confidence.

•The CTL15’ s guide wheels enabling rail-guided travel that ensures accurate positioning and protecting both truck and racking from damage within narrow aisles.

•Truck movement is managed by easy steering, while the fork movement is controlled by responsive joysticks.



Height preselection

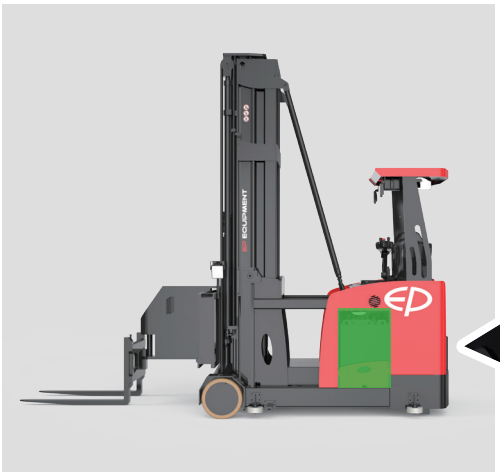
Camera

Guide wheels

Easy steering and joysticks

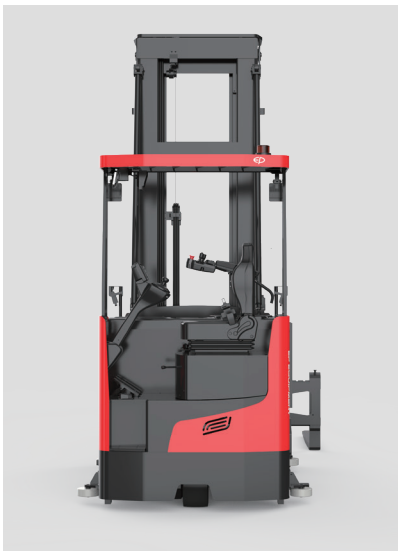
Li-ion Power for Improved Uptime

Equipped with a high-capacity 48V/560Ah Li-ion battery and a 200A external charger, the CTL15 offers extended runtime for intensive applications. The lithium core features opportunity charging and zero maintenance, minimizing downtime and maximizing productivity in multi-shift operations.



Enhanced Operator Comfort and Safety

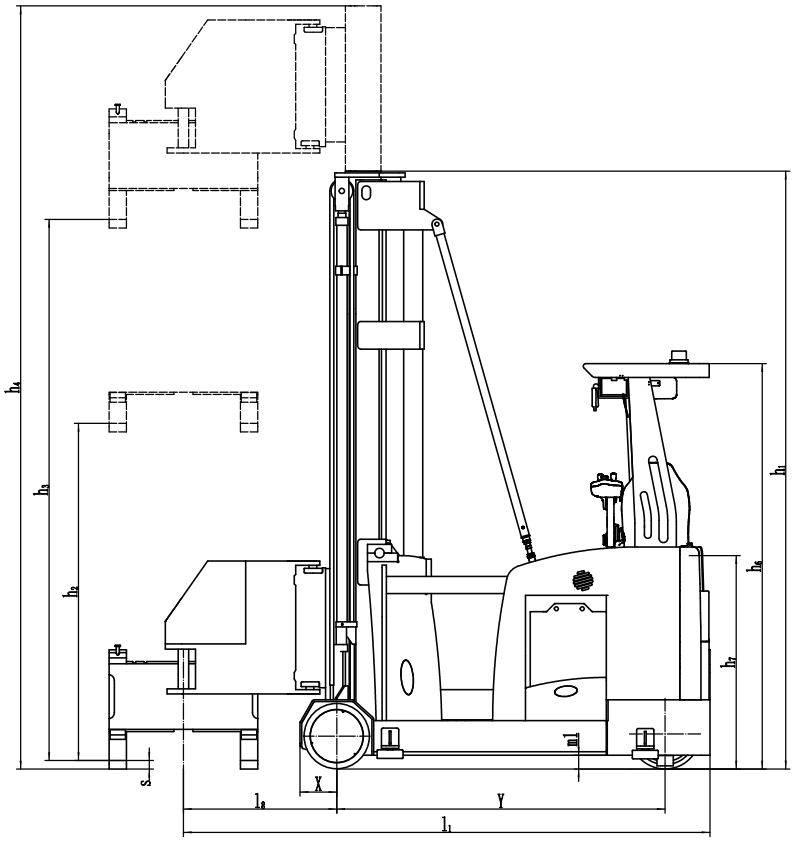
CTL15 prioritizes operator well-being with its ergonomic side-seated position, providing excellent visibility for high-reach tasks. To enhance safety and comfort, the CTL15 incorporates an automatic speed reduction system that adjusts based on mast height, ensuring stable operation even at maximum reach.

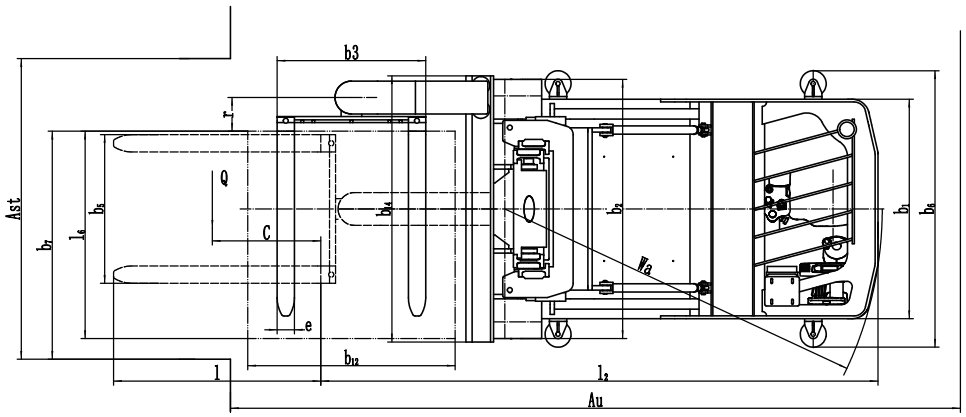


Man-down Seated VNA Truck 1500kg CTL15

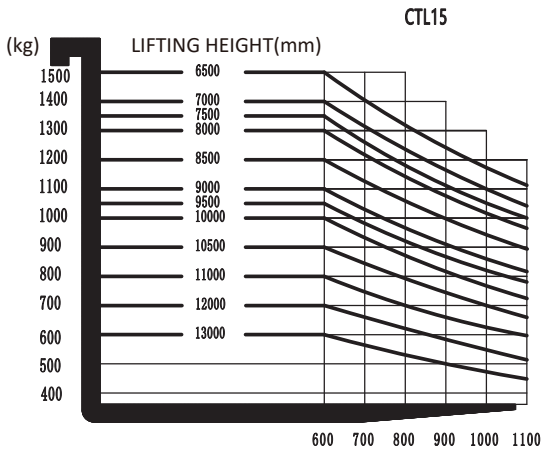
Distinguishing mark	1.1	Manufacturer			EP
	1.2	Model designation			CTL15
	1.3	Drive unit			Electric
	1.4	Operator type			Seated
	1.5	Rated capacity	Q	kg	1500
	1.6	Load center distance	c	mm	600
	1.8	Load distance，centre of drive axle to fork	x	mm	213
	1.9	Wheelbase	y	mm	1900
Service weight	2.1	Service weight		kg	7020
	2.4.1	Axle loading, laden front/rear		kg	2000/6760
	2.5.1	Axle loading, unladen front/rear		kg	2780/4380
Tyres/chassis	3.1	Tyre type			Polyurethane
	3.2.1	Tyre size, front		mm	Φ406×170
	3.3.1	Tyre size, rear		mm	Φ380× 192
	3.5.1	Wheels, number front/rear (x=drive wheels)		mm	1×，2
Dimensions	4.2	Height, mast lowered	h1	mm	3460
	4.4	Lift height	h3	mm	6500
	4.5	Height, mast extended	h4	mm	7695
	4.7	Height of overhead/ guard cabin	h6	mm	2346
	4.8	Seat height/standing height	h7	mm	1235
	4.19	Overall length	l1	mm	3048
	4.20	Length to face of forks	l2	mm	3225
	4.21	Overall width	b1/b2	mm	1270/1500
	4.22	Fork dimensions	s/e/l	mm	50/120/1200
	4.23	A,B Fork carriage class/type A, B			2A
	4.24	Fork carriage width	b3	mm	860
	4.25	Distance between fork-arms	b5	mm	250-800
	4.28	Reach，sideways	l4	mm	1300
	4.31	Ground clearance, laden, below mast	m1	mm	80
	4.32	Ground clearance, center of wheelbase	m2	mm	80
	4.34.1	Working aisle width for 1200×1200 pallet	Ast	mm	1740
	4.35	Turning radius	Wa	mm	2185
Performance data	5.1	Travel speed, laden/unladen		km/ h	10/10.5
	5.2	Lifting speed, laden/unladen		m/s	0.4/0.47
	5.3	Lowering speed, laden/unladen		m/s	0.55/0.45
	5.4	Traverse speed, laden /unladen		m/s	0.18/0.18
	5.10	Service brake			Electromagnetic
	5.11	Parking brake			Electromagnetic
Electric-engine	6.1	Drive motor rating S2 60 min		kW	7.5
	6.2	Lift motor rating at S3 15%		kW	20
	6.4	Battery voltage/nominal capacity		V/Ah	48/560
	6.5	Battery weight		kg	250
	8.1	Type of drive unit			AC
Addition data	10.5	Steering design			Electronic
	10.7	Sound pressure level at the driver's ear		dB(A)	75
	15.1	Charger output current		A	200

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.





RATED CAPACITIES GRAPH



LOAD CENTER(WITH PEDAL) (mm)

Mast Option

Mast types	Lift height(h3)	Height, Mast		Height,Free lift(h2)
		Height, mast lowered(h1)	Height, mast extended(h4)	
	mm	mm	mm	mm
3-Free Mast	5000	2890	6195	1735
	5500	3090	6695	1935
	6000	3260	7195	2105
	6500	3460	7695	2305
	7000	3625	8195	2470
	7500	3790	8695	2635
	8000	3990	9195	2835
	8500	4155	9695	3000
	9000	4355	10195	3200
	9500	4525	10695	3370
	10000	4725	11195	3570
	10500	4890	11695	3735
	11000	5090	12195	3935
	12000	5440	13195	4285
	13000	5790	14195	4635

Option

Optional items	CTL15
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
Height display and preselection	● 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
Speed reduction with elevated mast	● Yes and not customized
Guide wheels	●On both sides
Operator identification device	● No○ Card reader○ Fingerprint lock○ Card reader with keypad
Battery side pull function	● Yes and not customized
Cold storage	● No○ Yes and not customized
Proportional lift system	● Yes and not customized
Battery side pull attachment	● No○ Yes and not customized
Note： ●Standard ○ Optional - Inconformity	