

www.nobleliftna.com

**NOBLELIFT**  
NORTH AMERICA

LITHIUM

## CBT33 SERIES

3,300 lbs. Capacity  
Stand-Up Counterbalance Forklift



Why choose between price and quality **WHEN YOU CAN HAVE BOTH!**

## HIGHLIGHTS

- ▶ American Curtis Intelligent Computer Control system
- ▶ Dual independent AC drive motors with separate drive controllers
- ▶ 36V fully electric AC system
- ▶ Lithium battery: 36V/560Ah
- ▶ Charger: 36V/200A
- ▶ Fast charging 2.5 hours
- ▶ Large capacity battery provides multiple shift operation.
- ▶ German ZF GP25 gearbox
- ▶ On-board Curtis self-diagnostics
- ▶ Large LED display: lifting weight, lifting height, speed, power, steering, fault code, alarm and more.
- ▶ Integrated multi-task control
- ▶ Proportional lift for accurate control of the lift height
- ▶ Fork tilt leveling
- ▶ Side shifter
- ▶ Travel speed: 6.8mph (unloaded), 6.8mph (loaded)
- ▶ Speed reduction in turns



## CBT33 SERIES

**3,300 lbs. Capacity**

Stand-Up Counterbalance Forklift

The CBT33 Series Lithium Stand-Up Counterbalance Forklifts are designed for indoor applications where the operator needs to get on and off the vehicle frequently. Engineered for reliability and performance, these forklifts offer exceptional visibility, ensuring precision and safety in a variety of applications from loading trailers to navigating through busy warehouse aisles. Boost your productivity with these highly maneuverable, very low maintenance, ultra-smooth, lithium forklifts.



# COMPACT AND HIGHLY PRODUCTIVE FORKLIFT



# SUPERIOR DESIGN AND PERFORMANCE



Automatic decelerating while turning, improves safety, stability and operator comfort, while preventing product damage.

## 360°

Zero Turning  
Radius

55.4" – Small  
turning radius  
compared to  
sit-down forklifts.



Dual independent  
AC drive motors  
with separate  
drive controllers  
provide superior  
maneuverability while  
turning.

AC drive and German  
gearbox technology  
ensure accurate  
control and travel  
speed.





# INTELLIGENT. PRODUCTIVE. CONVENIENT.



Multi-functional handle controls key vehicle functions – forward/backward travel speed, side shifting and proportional lifting and lowering.



One-button tilt control system ensures safety by limiting the tilt of cargo when forks are lifted high.



Ergonomic compact steering wheel with knob provides comfortable and effortless operation.



Adjustable backrest and hip pad contour the body to ensure operator comfort throughout the entire work shift.



Armrest can be adjusted to maximize the comfort of operators of different heights.



The floor suspension system adapts to the weight of the operator and provides impact and vibration protection.



INTELLIGENT. PRODUCTIVE. CONVENIENT.



Large LED screen conveniently displays lifting weight, lifting height, speed, power, steering, fault code, alarm and more.



Large capacity battery for multiple shift operation. Side extraction reduces maintenance time.



A low step height and a wide entry is ideal for operators who are frequently getting on and off the forklift.



USB connector for charging and powering of additional devices during operations.

CAN-bus



CURTIS

Easily check condition and troubleshoot with Curtis controller and CAN-bus technology.



INTELLIGENT. PRODUCTIVE. CONVENIENT.

Angled columns, overhead guard design and open view mast give operator's a clean line of site to the load and their surroundings for increased efficiency and improved safety.

NOBLELIFT



**CBT**  
SERIES



## RELIABILITY AND SAFETY



Dual-brake/presence pedal design protects the operator and the forklift. If both pedals are not depressed, the forklift will not travel in any direction.



Equipped with LED headlights, safety blue light and a buzzer for safe driving.



Emergency power button cuts off the power in emergency situations to protect the operator and the cargo.





# LONG LASTING AND SAFE LITHIUM-IRON POWER

NOBLELIFT uses Lithium-Iron Phosphate batteries, the longest lasting and safest lithium battery available. Our lithium-iron batteries are equipped with a Battery Management System (BMS), thermal management system, and an automotive-grade DC high-voltage control system. BMS manages charging and discharging data to ensure safety throughout its life cycle.



CBT33 Stand-Up Forklifts have a 5 year or 10,000 hours warranty on the lithium-iron battery cells.

## ADVANTAGES OF LITHIUM-IRON POWER

### LITHIUM BATTERY ADVANTAGES

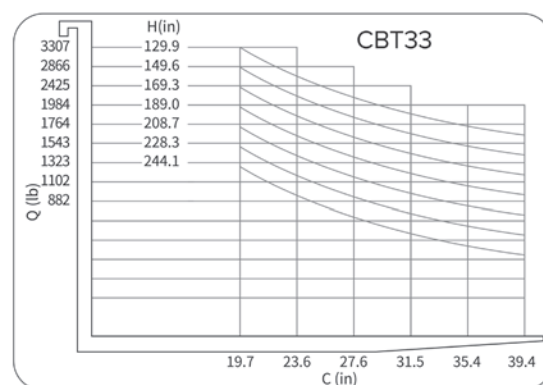
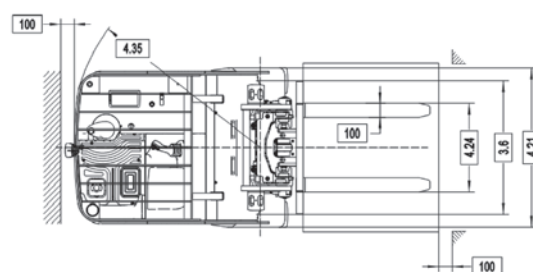
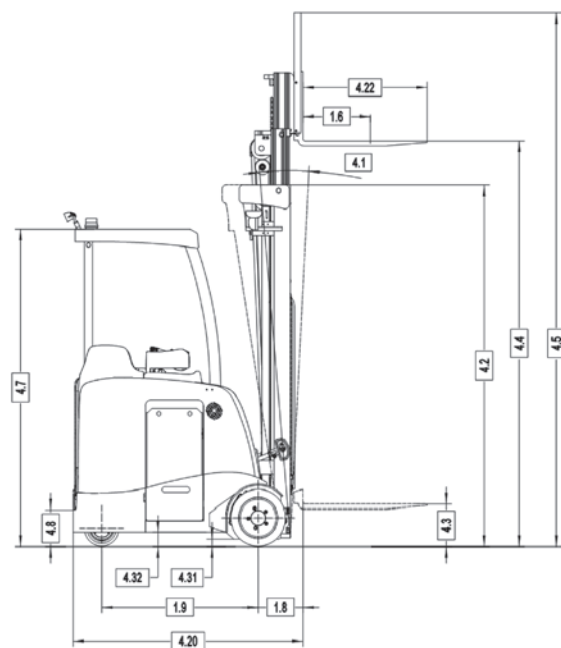
Fast-charging maintenance-free  
Lithium battery is fully charged in 2.5 hours. Battery can be opportunity charged during user breaks and during shift changes which allows the truck to run continuously through multi-shift operations. No battery changes are necessary.



Wireless 4G battery monitoring allows for remote battery programming and troubleshooting.

Lead-Acid Battery		Lithium Battery
Lower fleet availability - Work is interrupted because battery needs to be fully charged before next use	<b>Productivity - Memory Effect</b> 	100% Fleet availability - Opportunity charging allows battery to be charged in between use
Periodic battery replacement	<b>Service Life</b> 	Batteries last 3 times longer and do not need to be replaced
Outsourced or in-house maintenance personnel required	<b>Ongoing Maintenance</b> 	No maintenance cost
8-10 Hours - 2 or more batteries per lift truck	<b>Charge Duration</b> 	2.5 Hours - 1 Battery per lift truck
Build an expensive battery room with ventilation	<b>Battery Room</b> 	No battery room needed
Releases hydrogen while charging - Can result in explosion - Acid burns can happen during maintenance	<b>Dangerous Substances</b> 	No dangerous substances
Power loss	<b>Power Savings</b> 	No power loss - Reduces energy consumption by 35%

Warehouse and logistics  
Food storage  
Manufacturing  
Distribution  
Transportation  
Containers  
Retail  
Short-term rentals





Mast Table CBT33								
	Model			CBT33-157	CBT33-189	CBT33-207	CBT33-225	CBT33-244
4.2	Mast	h1	in	72.4	83.1	89	95.1	101.4
4.3	Free lift	h2	in	51.8	62.4	68.3	74.4	80.7
4.4	Lift height	h3	in	157.5	189.4	207.1	225.2	244.1
4.5	Extended mast height	h4	in	193.5	225.4	243.1	261.3	280.2

Identification			
1.2	Model		CBT33
1.3	Drive (electric, diesel, petrol, fuel gas, manual)		Lithium
1.4	Type of operation (hand, pedestrian, standing, seated, order picker)		Stand-up forklift
1.5	Load capacity	lb	3,300
1.6	Load center, fork face to load CG	c (in)	19.7
1.8	Load distance, center of wheel to face of forks	x (in)	13
1.9	Wheel base	y (in)	45.6

Weights			
2.1	Service weight (with battery)	lb	9,149
2.2	Axle load, with max. battery, unladen front	lb	4,916
	Axle load, with max. battery, unladen rear	lb	4,233

Wheels, Chassis			
3.1	Tires (solid rubber, superelastic, pneumatic, polyurethane)		Pressed solid tire
3.2	Tire size, load side	in	Ø 16 x 7 x 10.5
3.3	Tire size, power unit side (steer)	in	Ø 10 x 5 x 6.5
3.5	Wheels, number front / rear (x = driven wheels)		2x/2
3.6	Tread, load side	b <sub>10</sub> (in)	37.5
3.7	Tread, power unit side	b <sub>11</sub> (in)	6.7

Basic Dimensions			
4.1	Tilt, forward / backward	deg	3.5 / 5.5
4.2	Lowered mast height	h <sub>1</sub> (in)	101.4
4.3	Free lift, with / without load backrest	h <sub>2</sub> (in)	80.7
4.4	Lift height	h <sub>3</sub> (in)	244.1
4.5	Extended mast height, with / without load backrest	h <sub>4</sub> (in)	280.2
4.7	Overhead guard height, standard	h <sub>6</sub> (in)	89
4.8	Standing platform height	h <sub>7</sub> (in)	10.2
4.20	Headlength	l <sub>2</sub> (in)	66.9
4.21	Overall width, power unit side	b <sub>1</sub> (in)	44.5
4.22	Fork dimensions, standard	s/e/l (in)	1.4 / 3.9 / 36
4.23	Fork carriage, ISO FEM, ITA		2A
4.24	Width across forks, min-max	in	7.9 - 33.9
4.31	Ground clearance, lowest point, below mast	m <sub>1</sub> (in)	2
4.32	Ground clearance, center wheelbase	m <sub>2</sub> (in)	3.9
4.33	Right Angle Stack with 40x48 pallet	Ast (in)	120.5
4.34	Right Angle Stack with 32x48 pallet	Ast (in)	125.4
4.35	Turning radius	Wa (in)	55.4

Performance Data			
5.1	Travel speed, laden / unladen	mph	6.8 / 6.8
5.2	Lift speed, laden / unladen	ft/s	1.05 / 1.48
5.3	Lowering speed, laden / unladen	ft/s	1.41 / 1.31
5.10	Service brake		Foot-motor
	Parking brake		Auto-electric

E-Motor			
6.1	Drive motor rating, 60 min. rating	HP	2 x 7.4
6.2	Lift motor rating, 15% on time	HP	14.8
6.3	Max. battery size, DIN 43531/35/36 A, B, C, no	LxWxH (in)	16.1 x 38.6 x 30.9
6.4	Battery voltage, nominal capacity K5	V/Ah	36V/560Ah
6.5	Battery weight, minimum	lb	1,984

Others			
8.1	Type of drive control		AC

# A GLOBAL LEADER

NOBLELIFT is a global leader in Lithium Technology. We manufacture more than 200 categories and around 30 series of each product. Our products are designed to meet different application demands and are well accepted by our customers in more than 100 countries and regions in Europe, America, Asia, Africa and more.

**Products include:** sit-down forklifts, rough terrain forklifts, narrow aisle forklifts, walkie-stackers, order pickers, electric pallet trucks, scissor lifts, tuggers, tow tractors, scrubbers, lift tables, manual pallet jacks and more.



FORKLIFTS



NARROW AISLE



STACKERS



POWERED PALLET TRUCKS



SCISSOR LIFTS



TUGGERS



SCRUBBERS

**NOBLELIFT**  
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Video

AUTHORIZED DEALER

