

COUNTERBALANCE FORKLIFT

CBT15-18

Stand-Up Counterbalance Forklift

NOBLELIFT

Built for better.

OVERVIEW

BUILT FOR BETTER.

The CBT15/18 is a stand-up counterbalanced forklift built for tight, high-traffic sites — dock work, narrow aisles, drive-in racking and container loading across distribution, manufacturing and retail. A compact footprint and small turning radius let it maneuverer where a traditional counterbalanced truck can't, while the open-view mast, angled columns and side-stand design give operators a clear line of sight to the load and easy on-off access. Dual independent AC drive motors and German gearbox technology deliver smooth, responsive travel, and built-in tilt control and turn deceleration keep loads and operators steady through every shift.



Key Features

1



Compact, agile footprint

A small turning radius and tight footprint work for dock doors, narrow aisles and drive-in racking where a conventional counterbalanced truck won't fit.

2



Dual independent AC drive

Two AC motors with separate controllers give responsive travel and precise steering through turns, paired with German gearbox technology for a long, low-maintenance service life.

3



Clear line of sight

An open-view mast, angled columns and overhead guard give operators an unobstructed view of the load, improving efficiency and reducing safety risks.

4



Side-stand design

Easy step-on, step-off access suits frequent picking, while wide visibility cuts operating blind spots.

5



Multifunction control handle

Lift, lower, tilt, side-shift and forward/reverse travel all run through one integrated handle for fast, intuitive operation.

6



Tilt control with one-button levelling

Limits load tilt at height, to guard against roll-off, and levels the forks at the touch of a button.

7



Brake and presence pedal

A dual-pedal design applies the brake automatically when the operator's foot lifts, protecting both truck and operator.

8



Automatic turn deceleration

The truck slows itself through turns to help prevent overturns from excessive cornering speed.

9



Comfort built for long shifts

An adjustable armrest, weight-adapting floor suspension, and a contoured backrest and hip pad keep operators supported and free to reposition.



INTELLIGENT SAFE AND RELIABLE.

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Comprehensive safety protection.

FEATURE	
Height limiting	Automatically stops the lift motor at maximum fork height to prevent over-lifting.
Turning speed control	Automatically limits speed through turns to prevent tipping and keep the truck stable.
Motor temperature monitoring	Real-time monitoring prevents the motor overheating.
Motor current monitoring	Real-time monitoring guards against damage from excessive current.
Electromagnetic and hydraulic braking	Combined braking delivers short, straight, impact-free stops.
Parking electromagnetic brake	One-click parking on slopes or flat ground, simple and secure.

ADJUSTABLE ARMREST

6cm of adjustment tailors the armrest to each operator's height for all-shift comfort.

MULTIFUNCTION HANDLE

Lift, lower, tilt, side-shift and travel from a single integrated control.

TILT CONTROL & FORK LEVELLING

Limits load tilt at height and levels forks with one button to prevent roll-off.

MOTOR COOLING SYSTEM

Active motor cooling keeps performance steady through heavy, continuous use

FLOOR SUSPENSION

Adapts to operator weight to absorb impact and vibration on rough floors.

ERGONOMIC BACKREST & HIP PAD

Contoured padding supports the operator and allows easy repositioning through the shift.

BRAKE & PRESENCE PEDAL

Dual-pedal design auto-applies the brake the moment the operator's foot lifts.

LED AND SAFETY BLUE LIGHT

LED work lighting and a blue safety light keep the operator and others aware.

Type sheet for industrial truck acc. to VDI 2198 — CBT15 (NO. 20240820)

Identification			
Manufacturer			NOBLELIFT
Model			CBT15
Power			Electric
Operator type			Stand
Load capacity		Q (kg)	1500
Load centre	fork face to load CG	c (mm)	500
Load distance	centre of wheel to fork face	x (mm)	330
Wheelbase		y (mm)	1158
Weights			
Weight	include battery	kg	4150
Axle load with max battery	without load, front	kg	2230
	without load, rear	kg	1920
Tyres			
Tyre type	pressed-on solid		Pressed solid tire
Tyres	load side	mm	Ø406x178x267
Tyres	power unit side (steer)	mm	Ø254x127x165
Castor wheel	number (x=driver) front/rear		2x / 2
Track width	load side	b10 (mm)	952
Track width	power unit side	b11 (mm)	171
Dimensions			
Tilt	forward / backward	angle	3.5 / 5.5
Mast	collapsed height	h1 (mm)	2575
Free lift	w. / w.o. load backrest	h2 (mm)	1655
Lift height		h3 (mm)	6200
Extended mast height	w. / w.o. load backrest	h4 (mm)	7116
Overhead guard height	standard	h6 (mm)	2260
Standing platform height		h7 (mm)	260
Headlength		l2 (mm)	1700
Width overall	power unit side	b1 (mm)	1130
Fork dimensions	optional lengths	txwxl (mm)	35x100x920
Width across forks	range	mm	200-860
Ground clearance	lowest point, below mast	m1 (mm)	50
Ground clearance	centre wheelbase	m2 (mm)	100
Working aisle width	1000 x 1200 crosswise	Ast (mm)	3060
Working aisle width	800 x 1200 lengthwise	Ast (mm)	3185
Turning radius		Wa (mm)	1406
Performance Data			
Travel speed - standard	w. / w.o. load, power unit first	km/h	11 / 11
Lift speed	w. / w.o. load	m/s	0.32 / 0.45
Lower speed	w. / w.o. load	m/s	0.43 / 0.40
Brakes	service		Foot-motor
	parking		Auto-Electric
Performance Data			
Travel speed - standard	w. / w.o. load, power unit first	km/h	11 / 11
Lift speed	w. / w.o. load	m/s	0.32 / 0.45
Lower speed	w. / w.o. load	m/s	0.43 / 0.40
Brakes	service		Foot-motor
	parking		Auto-Electric
Motors			
Traction motor	(60 min. rating)	kW	2x5.5
Lift motors	(15% on time)	kW	11
Max. battery size	DIN 43531/35/36 A, B, C, no	lxwxh (mm)	410x980x785
Battery capacity	nominal capacity 5h	V/Ah	36 / 700
	nominal capacity 2h	V/Ah	36 / 560
Battery weight	minimum	kg	900
Other			
Type of controller			AC

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Type sheet for industrial truck acc. to VDI 2198 — CBT18 (NO. 20240820)

Identification			
Manufacturer			NOBLELIFT
Model			CBT18
Power			Electric
Operator type			Stand
Load capacity		Q (kg)	1800
Load centre	fork face to load CG	c (mm)	500
Load distance	centre of wheel to fork face	x (mm)	370
Wheelbase		y (mm)	1265
Weights			
Weight	include battery	kg	4520
Axle load with max battery	without load, front	kg	2470
	without load, rear	kg	2050
Tyres			
Tyre type	pressed-on solid		Pressed solid tire
Tyres	load side	mm	Ø406x178x267
Tyres	power unit side (steer)	mm	Ø254x127x165
Castor wheel	number (x=driver) front/rear		2x / 2
Track width	load side	b10 (mm)	952
Track width	power unit side	b11 (mm)	171
Dimensions			
Tilt	forward / backward	angle	3.5 / 5.5
Mast	collapsed height	h1 (mm)	2575
Free lift	w. / w.o. load backrest	h2 (mm)	1655
Lift height		h3 (mm)	6200
Extended mast height	w. / w.o. load backrest	h4 (mm)	7116
Overhead guard height	standard	h6 (mm)	2260
Standing platform height		h7 (mm)	260
Headlength		l2 (mm)	1910
Width overall	power unit side	b1 (mm)	1130
Fork dimensions	optional lengths	txwxl (mm)	40x120x920
Fork carriage	ISO, FEM, ITA		
Width across forks	range	mm	200-860
Ground clearance	lowest point, below mast	m1 (mm)	50
Ground clearance	centre wheelbase	m2 (mm)	100
Working aisle width	1000 x 1200 crosswise	Ast (mm)	3305
Working aisle width	800 x 1200 lengthwise	Ast (mm)	3430
Performance Data			
Travel speed - standard	w. / w.o. load, power unit first	km/h	11 / 11
Lift speed	w. / w.o. load	m/s	0.36 / 0.43
Lower speed	w. / w.o. load	m/s	0.44 / 0.38
Brakes	service		Foot-motor
	parking		Auto-Electric
Motors			
Traction motor	(60 min. rating)	kW	2x5.5
Lift motors	(15% on time)	kW	11
Max. battery size	DIN 43531/35/36 A, B, C, no	lxwxh (mm)	510x980x785
Battery capacity	nominal capacity 5h	V/Ah	36 / 900
	nominal capacity 2h	V/Ah	36 / 560
Battery weight	minimum	kg	1140
Other			
Type of controller			AC

Mast Table (VDI 2198)

Type (Triplex Mast)			4000	4810	5260	5720	6200
4.2 Height, mast lowered	h1	mm	1840	2110	2260	2415	2575
4.3 Free lift	h2	mm	920	1190	1340	1495	1655
4.4 Lift height	h3	mm	4000	4810	5260	5720	6200
4.5 Height, mast extended	h4	mm	4916	5726	6176	6636	7116
Type (Quad Mast)			6000	6500	7000		
4.2 Height, mast lowered	h1	mm	2188	2303	2418		
4.3 Free lift	h2	mm	1260	1375	1490		
4.4 Lift height	h3	mm	6000	6500	7000		
4.5 Height, mast extended	h4	mm	6911	7411	7911		



LITHIUM BATTERY

LONG LASTING AND SAFE LITHIUM POWER.

NOBLELIFT uses LiFePO4 chemistry — the longest-lasting and safest lithium battery chemistry available. Every battery is equipped with a Battery Management System (BMS), a thermal management system, and an intelligent control system. The BMS monitors all charging and discharging data to keep the battery safe throughout its life cycle.

Our lithium battery packs are backed by a 5-year / 10,000 hour warranty.

Advantages of Lithium Power

	LEAD-ACID BATTERY	LITHIUM BATTERY
PRODUCTIVITY	Lower fleet availability — work is interrupted because the battery must be fully charged before next use.	100% fleet availability — opportunity charging tops the battery up between use.
SERVICE LIFE	Periodic battery replacement.	Lasts up to 3 times longer and doesn't need replacing.
ONGOING MAINTENANCE	Outsourced or in-house maintenance personnel required.	No maintenance cost.
CHARGE DURATION	8–10 hours — 2 or more batteries per machine.	2–3 hours — 1 battery per machine.
BATTERY ROOM	Requires an expensive, ventilated battery room.	No battery room needed.
SAFETY	Releases hydrogen while charging (explosion risk); acid burns possible during maintenance.	No dangerous substances.
POWER SAVINGS	Power loss.	No power loss — reduces energy consumption by up to 35%.



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SERVICING, PARTS & SUPPORT.

At Noblelift, we understand that reliable servicing and maintenance are essential to keeping your operation running smoothly. That's why we offer comprehensive support tailored to the needs of your Noblelift fleet. With our commitment to excellence and customer satisfaction, you can trust us to keep your equipment operating at peak performance.

Through our nationwide New Zealand network we can provide:

NATIONAL TECHNICAL SUPPORT

Help by phone or on site, nationwide.

FULLY STOCKED PARTS

Genuine parts held in stock across NZ.

MAINTENANCE & SERVICE CONTRACTS

Flexible plans built around your operation.

DEDICATED SERVICE TEAM

Factory-trained technicians with the product knowledge and diagnostic tools to keep your fleet running.

GENUINE PARTS & ACCESSORIES

A full inventory of genuine Noblelift parts, ready when you need them.

BACK-UP MACHINERY

A rental and support fleet on standby to keep you moving through any downtime.

CUSTOMER TRAINING & SUPPORT

Hands-on operator and maintenance training so your team works safely and efficiently.

SCHEDULED MAINTENANCE PROGRAMS

Proactive, tailored servicing that catches issues early and prevents costly breakdowns.

24/7 EMERGENCY SUPPORT

Round-the-clock help to get you back up and running fast.



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Talk to our team for sales and enquires

enquiries@noblelift.nz

09 956 5992

Noblelift New Zealand.