



# THE SMARTER WAY TO GET WORK DONE

**ELECTRIC COUNTERBALANCE LIFT TRUCK**

EP-CB Series

Capacity: 1.0 Ton to 2.5 Tons



# SMARTER. SAFER. FASTER.

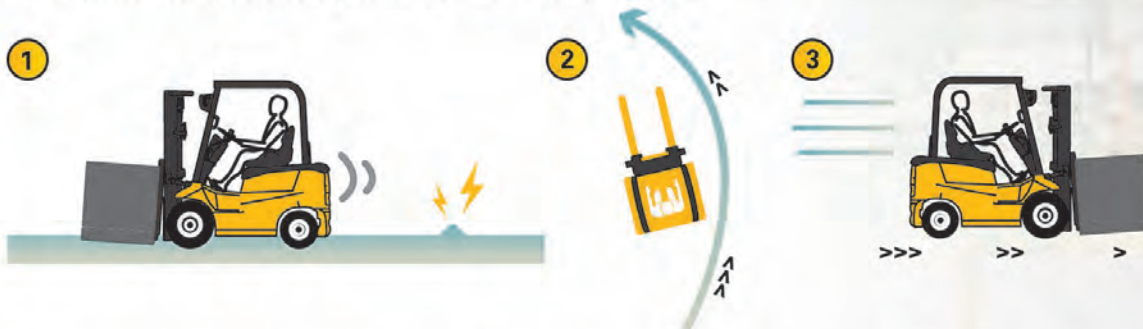
## THIS IS HOW GREAT WORK IS ACCOMPLISHED.

### Get More Done, Indoors and Outside

In your line of work, efficiency and safety are essential. The Cat® EP-CB series of lift trucks are designed to be your partner in productivity, and come with smart features that make these machines a breeze to work with.



- **Safer Workflows:** Improve safety in the warehouse with a load indicator, travel hydraulic interlocking system, overweight warnings and optional LED/spot lights.



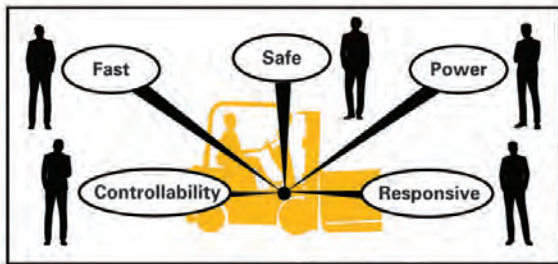
- **Smooth, Stable Rides:** ① Stay in control with intelligent pitching control, ② Automated speed reduction during turns, ③ Travel speed limiters and more.
- **Rugged Reliability:** Powered by an AC motor and protected with IPX4 waterproofing, the EP-CB forklift is your reliable workhorse – in a dry warehouse, cold store or rainy outdoors
- **Built for Productivity:** Boost your operators' productivity levels with intuitive fingertip controls, personalised operation modes, an interactive display and other features

**ASTER.**  
**MPISHED.**



# TOGETHER, WE'LL GET MORE WORK DONE

It's no secret that the less time you spend on a task, the more you can accomplish – each and every day. The EP-CB series is designed with your productivity in mind. We've built these lift trucks with all the newest features you expect to see in a modern truck, and included brand-new, productivity-boosting innovations that will speed up your workflow – because the best workers, deserve the very best machines.



## ✓ Customised for Every Individual

Encourage your operators to work at their best, by allowing them to personalise every detail of their forklift's operations – from travel and hydraulic speeds to acceleration, response speed and much more. Finally, a lift truck that customises itself to fit your operators' strengths and working styles – and not the other way around.



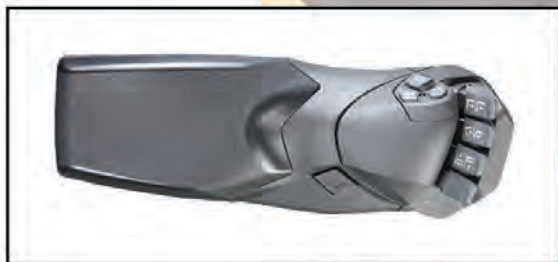
## ✓ Auto Torque Up

Climb slopes and carry heavy loads with ease. The EP-CB's built-in intelligence detects when additional power is needed and automatically increases torque to ensure smooth, stress-free driving at all times.



## ✓ Interactive Display

The EP-CB uses a single display to take over the role of multiple displays. Now, everything your operators need to view is shown in a high quality, easy-to-read display that's also interactive. This allows operators to not only see more, but also do more – such as adjust control function settings on-the-fly.



## ✓ Fingertip Control (optional)

Enable operators to take precise, efficient control of their forklift. Fingertip control allows operators to control hydraulics with a never-seen-before level of precision that levers simply cannot match – enabling them to work faster, more accurately and more safely.



## ✓ Easy Battery Exchange (optional)

Keep your fleet of forklifts running around the clock with the ability to side load a freshly charged battery within minutes. Using either "roll in, roll out" or "fork in, fork out" methods to replace your forklift's battery, you can significantly reduce downtime and improve productivity.

# MORE PRODUCTIVITY - FOCUSED FEATURES

Even more ways the EP-CB enables you to get more done, every day:



- **A rear hand grip with horn:**  
Looking behind while reversing is now easier and safer than ever.



- **LED lights:** Bright, long-lasting lights illuminate the truck and surrounding areas, allowing operators to work more efficiently, while remaining safe.



- **Easy entry and exit:** A low step height, wide operator compartment and large operator head room make this one of the most comfortable lift trucks to operate, ever.

## Optional Add-Ons to Improve Productivity

- **Usability :**
  - 1 Front windshield
  - 2 Acrylic roof
  - 3 Rear windshield



- **Operational Enhancements :**
  - 1 Side shifters
  - 2 Fork positioners
  - 3 Rotating forks
  - 4 Clamps



- **Operational Enhancements :**
  - 1 Cold store option
  - 2 Rust proof
  - 3 Dust proof



# LET'S KEEP YOU SAFE

We take safety and well-being of your operators very seriously, and have built the EP-CB series of lift trucks with both safety and efficiency in mind. These are some of the safety-related innovations you will find in our lift trucks:

## ✓ A Smooth, Stable Ride

Enjoy a stable ride, all day long. The EP-CB's low centre of gravity and electronic pitching control deliver a ride so stable and comfortable, it's almost like driving a car. Even on bumpy roads, pitching control reduces mast shaking and overall wobbles. A wide field of view ensures operators retain awareness of their surroundings at all times.



## ✓ Eliminate Complacency

Human error is reduced too, as the EP-CB's smart travel hydraulic interlock prevents operators from activating the mast or moving until they're properly seated. Once operators are done with their shift and ready to get off, an intuitive parking brake warning goes off if the parking brakes are not engaged.

## ✓ The Little Things that Make a Big Difference

Other safety features that operators will appreciate include an easily accessible (and unobstructed) emergency stop button, a highly visible orange seatbelt, and optional password system that restricts the access and operation of the EP-CB to authorised personnel.



## ✓ Intelligent Load Indicators and Limits (Option)

A load indicator\* gives operators a general idea of the loads they're carrying. The EP-CB also intelligently reduces its travel speed according to its current load weight and lift weight, and further reduces its speed while turning. And if it's carrying too much, an overweight warning is set off.



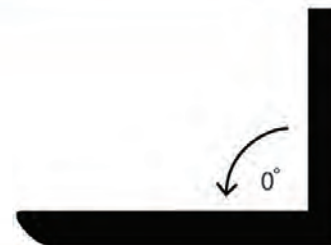
\*The load indicator feature should only be used as an estimation of the load being carried, and should not be used as the true value of a load's actual weight.

# Optional Add-Ons to Improve Safety



- ✓ **Laser Pointer :**  
Improve operator precision with laser guidance

- ✓ **Tilt Horizontal Levelling :**  
Level forks and loads with one button press



With Option



Without Option



- ✓ **Low Vibration Option :**  
An anti-shake system that reduces hydraulic movement and bouncing, protecting sensitive goods

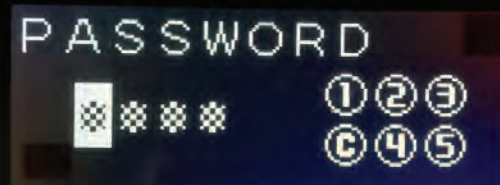
- ✓ **Speed Control :**  
Travel speed limit (according to lift height, lift and tilt speed control)

Speed Limit Control



- ✓ **Lights :**  
Rear LED, blue spot light, LED, rotating Lamp

- ✓ **Authorisation :**  
Password entry



# A RUGGED, RELIABLE PARTNER

Warehouse work can be tough, and you need a machine you can rely on, through good times and bad. We've designed the EP-CB to be a tough, reliable performer that gives operators more performance – with much less hassle and maintenance.

## ✓ Better Efficiency with an AC Motor



A high-quality AC motor drives the EP-CB, delivering smooth rides, faster acceleration and greater responsiveness – while optimising the lifespan of your forklift's battery and keeping maintenance requirements low.

## ✓ IPX4 Waterproofing



Whether in a warehouse or in the rain, you can count on the EP-CB to keep running reliably, thanks to IPX4 waterproofing.

## ✓ Battery Protection (optional)



To protect your battery's lifespan, the EP-CB proactively limits its lift and travel speed – reminding operators to charge (or swop) the battery.

# IF YOUR WAREHOUSE NEVER SLEEPS, NEITHER SHOULD YOUR MACHINES

Experience the joy of operating one of the most energy-efficient lift trucks available. The EP-CB's low energy usage translates into lower operating costs, longer battery life, more operating hours and less downtime. You have a warehouse to run, and your lift trucks will support you all the way.



## ✓ ECO Mode

Extend the operating hours of your lift trucks with a simple press of the ECO mode button, which switches the truck into energy-saving mode.

## ✓ Auto Power Off

No operator? No problem. The EP-CB automatically shuts off if after 15 minutes of inactivity – conserving battery life for actual warehouse operations, and not while it's on standby.



## ✓ Go Longer with Regeneration

Innovative technology in the EP-CB translates movements such as coasting, plugging, downhill travel, braking, speed suppression and controlled rollbacks into kinetic energy that charges the truck's battery as it's being used – extending operating time.





**Cat® Lift Trucks is committed to providing industry-leading customer service, delivered by experienced and reliable material handling dealers. Cat Lift Trucks puts its customer's needs first, with one of the most comprehensive customer support programs in the business.**

### **Dealers You can Depend On**

Cat® lift trucks dealers are unsurpassed, delivering superior customer service that sets us apart from the competition before, during and after the sale.

Our dealers make available leading support programs with every new Cat lift truck you purchase, including:

- Genuine Cat lift truck OEM parts
- Planned Maintenance
- Rental fleet availability
- Convenient dealer branch locations

### **Planned Maintenance**

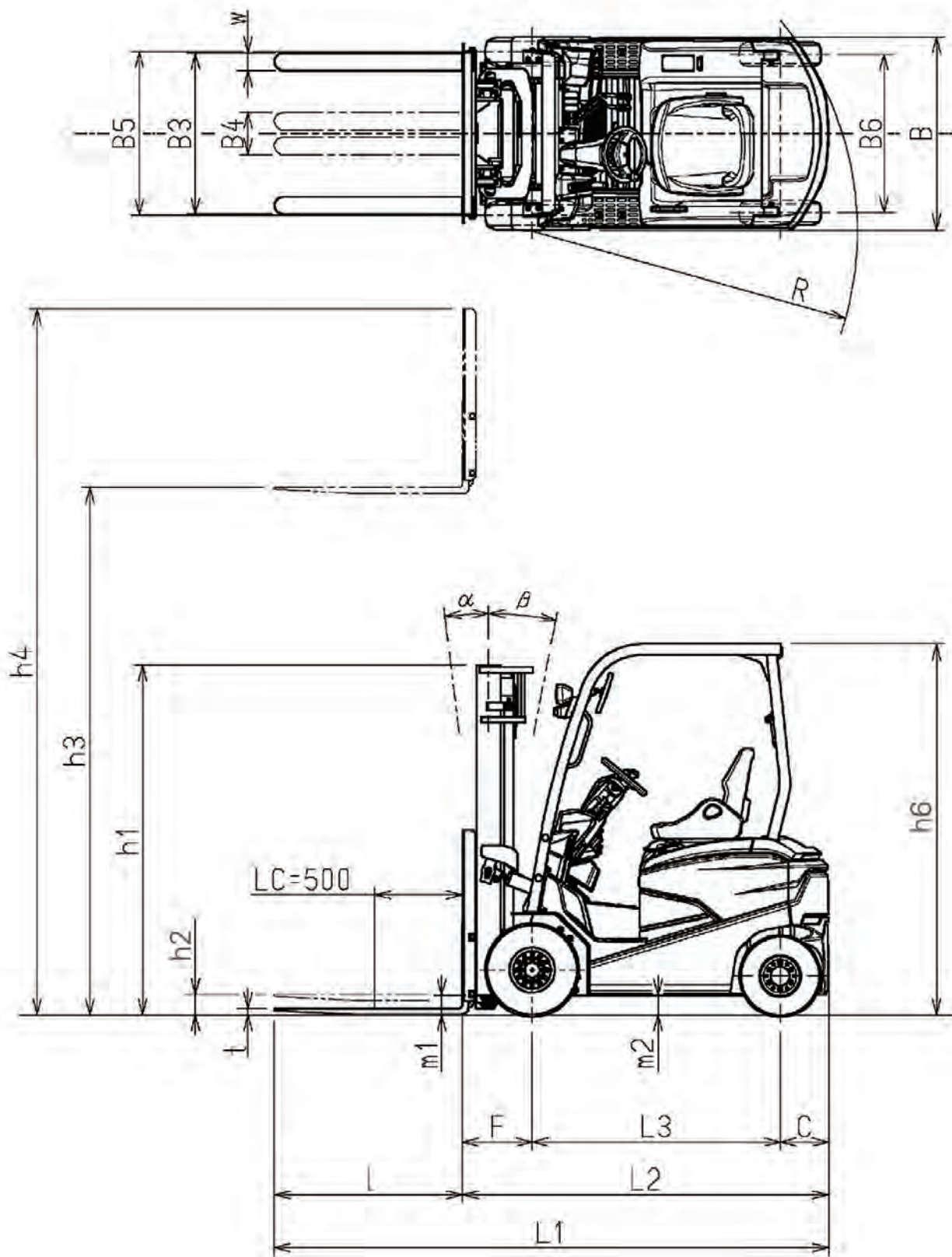
Proper maintenance of your truck helps assure top performance over the long haul and helps extend truck longevity. That's why every Cat lift truck is backed by experienced and reliable dealers who make sure your truck is properly maintained

With Cat lift truck planned maintenance, you won't have to worry about scheduling maintenance or unexpected downtime. Regular planned maintenance calls are scheduled in advance to avoid interference with your operating schedules. Experienced Cat lift trucks service technicians will regularly perform all periodic maintenance including fluid and lubricant check for a predetermined rate. We'll even identify and fix potential problems before they become major difficulties.

# Specifications

Type	Item	Summary		Unit	Standard Type					Long Wheelbase Type		
					EP10-CB	EP15-CB	EP18-CB	EP20-CB	EP25-CB	EP20-LCB	EP25-LCB	
Type	1.1	Capacity at rated load center		kg	1000	1500	1750	2000	2500	2000	2500	
	1.2	Load center – distance		mm	500	500	500	500	500	500	500	
Dimensions	2.1	Height to top of overhead guard	he	mm	2110	2110	2110	2110	2110	2110	2110	
	2.2	Height with mast lowered	hi	mm	1990	1990	1990	1995	1995	1995	1995	
	2.3	Lift height	ha	mm	3000	3000	3000	3000	3000	3000	3000	
	2.4	Overall height with mast raised	h4	mm	4055	4055	4055	4055	4055	4055	4055	
	2.5	Free lift	h2	mm	115	115	115	140	140	140	140	
	2.6	Tilt	forward	α	°	7	7	7	7	7	7	7
			backward	β	°	11	11	11	11	11	11	11
	2.7	Ground clearance	Under Mast	m1	mm	110	110	110	115	115	115	115
			Center of wheelbase	m2	mm	110	110	110	110	110	110	110
	2.8	Front overhang		F	mm	395	395	395	445	445	445	445
	2.9	Rear overhang		C	mm	275	275	315	340	380	340	340
	2.10	Overall length		L1	mm	3150	3150	3190	3375	3415	3535	3535
	2.11	Length to fork face (includes fork thickness)		L2	mm	2080	2080	2120	2305	2345	2465	2465
	2.12	Wheelbase		L3	mm	1410	1410	1410	1520	1520	1680	1680
	2.13	Minimum outside turning radius		R	mm	1850	1850	1880	2030	2080	2215	2215
	2.14	Tread	Front Single tire	B5	mm	930	930	925	955	955	955	955
			Rear	B6	mm	900	900	900	965	965	965	965
	2.16	Overall width		B	mm	1100	1100	1115	1155	1155	1155	1155
2.17	Fork spread – out-to-out	Maximum	B3	mm	920	920	920	995	995	995	995	
		Minimum	B4	mm	240	240	240	260	260	260	260	
2.18	Forks	Width	L	mm	100	100	100	122	122	122	122	
		Thickness	W	mm	35	35	35	40	40	40	40	
		Length	t	mm	1070	1070	1070	1070	1070	1070	1070	
Performance	3.1	Laden	Pneumatic	km/h	14.0	14.0	13.5	14.0	14.0	14.0	14.0	
		Unladen	Pneumatic	km/h	16.0	16.0	15.5	16.0	16.0	16.0	16.0	
	3.2	Laden		mm/s	390	350	330	290	260	290	260	
Unladen			mm/s	540	540	540	470	470	470	470		
3.3	Gradeability – laden (3 min. rating)			%	22	19	17	19	16	18	16	
Mass	4.1	Service Weight without Battery		kg	2060	2190	2420	2895	3270	2965	2965	
	4.2	Battery Weight	Minimum	kg	570	600	600	715	810	1025	1025	
Maximum			kg	875	910	910	1025	1025	1345	1345		
Chassis	5.1	Front	Pneumatic Single		6.00-9 10PR		21x8-9 14PR	21x8-9 16PR				
		Rear	Pneumatic		5.00-8 8PR			18x7-8 14PR				
	5.2	Miscellaneous	Steering type		Full Hydraulic Power Steering							
Service brakes				Hydraulic								
Parking brakes				Mechanical								
			Hand-operated									
Electrical	6.1	Drive motor (60 min. rating)		kW	7.0	7.0	7.0	8.5	8.5	8.5	8.5	
		Lift motor (10 min. rating)		kW	9.5	9.5	9.5	11.5	11.5	11.5	11.5	
		Steering motor (60 min. rating)		kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	6.2	Drive / Hydraulic / Steering Control			AC Inverter							
6.3	Battery (48V)	STD		Ah/5HR	370	415	415	510	565	725	725	
6.4	Charger (3 phase 400/200V)	Type			Automatic Stationary Charger							
		STD		kVA	6.5	6.5	6.5	8.1	8.1	11.0	11.0	

# Diagrams





The Cat® EP-CB series of electric lift trucks delivers all the enhancements you need to vastly increase warehouse productivity levels, while simultaneously improving safety standards. Engineered with your warehousing operations in mind, we have fitted our latest forklifts with all the features operators have demanded for – and advancements they didn't know they needed, until now. Simply put, these machines are smarter, faster, more comfortable to use and have more stamina than their contemporaries.

This is the new industry standard. The Cat® EP-CB.

# TOTAL MACHINE SATISFACTION.



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