EXV-CB iGo Technical Data
Automated Counterbalance High Lift Pallet Truck

EXV-CB 12 iGo

EXV-CB 16 iGo



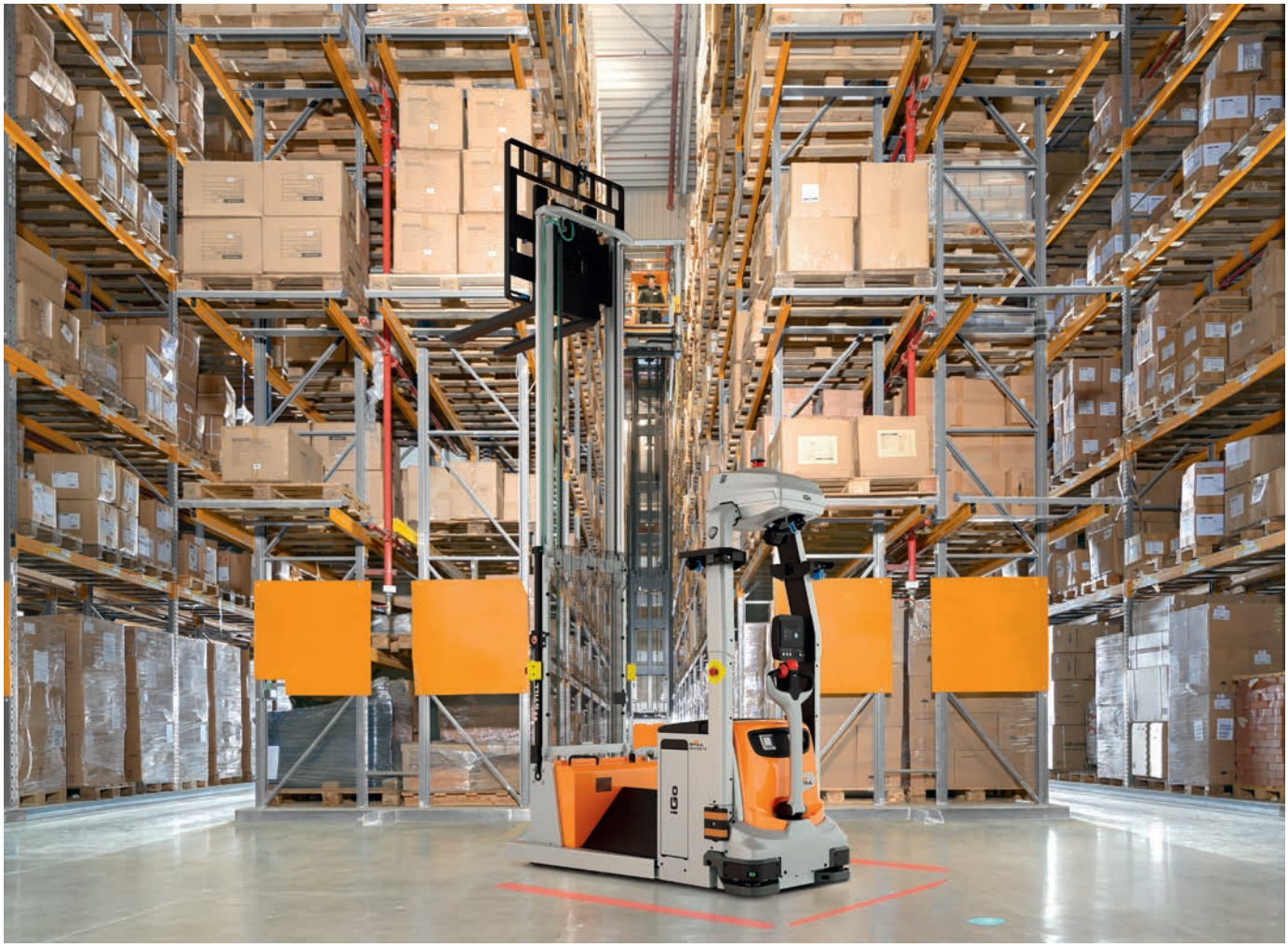
Li-Ion INSIDE

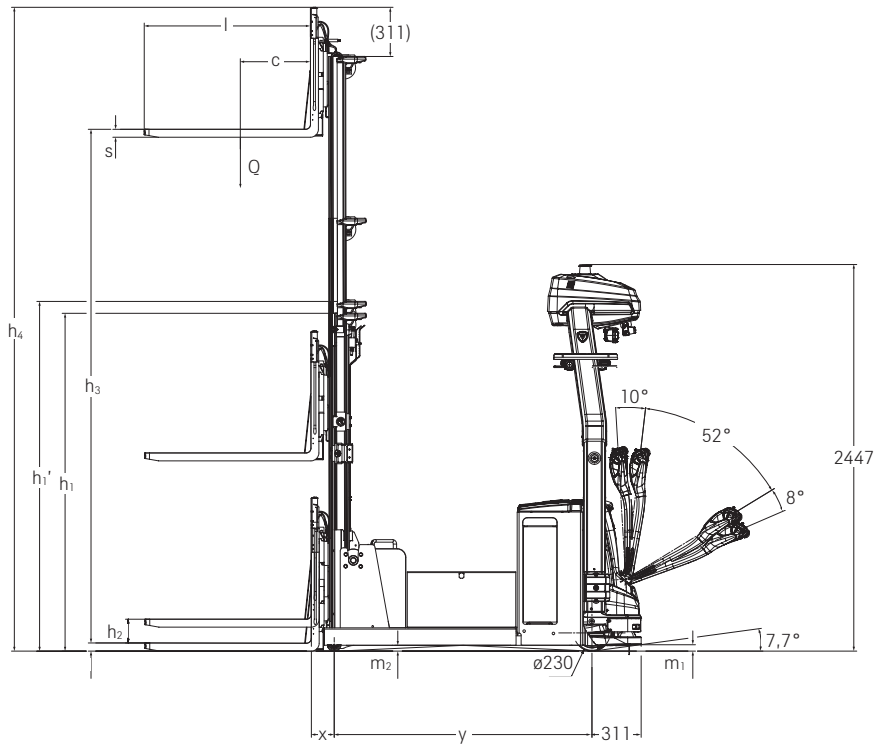
EXV-CB iGo Automated Counterbalance High Lift Pallet Truck
Versatile team player

This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only. Different tyres, other masts, the use of accessories, etc., may result in other values.

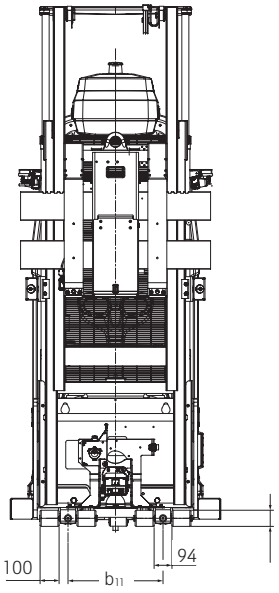


Features	1.1	Manufacturer				STILL	STILL
	1.2	Manufacturer's type designation				**EXV-CB 12 iGo**	**EXV-CB 16 iGo**
	1.3	Drive				Electric	Electric
	1.4	Operation				Automated/manual	Automated/manual
	1.5	Capacity/load		Q	t	1.0	1.4
	1.6	Load centre		c	mm	525	525
	1.8	Load distance		x	mm	145	145
	1.9	Wheel base		y	mm	1262	1627
Weights	2.1	Service weight (incl. battery)			kg	2391	2486
	2.2	Axle load, laden	drive end/load end		kg	582/2860	779/3227
	2.3	Axle load, unladen	drive end/load end		kg	1239/1152	1356/1130
Wheels/chassis	3.1	Tyres				Polyurethane	Polyurethane
	3.2	Tyre size	drive end	kg	mm	Ø 230 x 100	Ø 230 x 100
	3.3	Tyre size	load end	kg	mm	Ø 85 x 105	Ø 85 x 105
	3.5	Number of wheels (x = driven)	drive end/load end		1x/2	1x/4	1x/4
	3.6	Tread width	drive end/load end	b_{10}/b_{11}	mm	–/500	–/500
Basic dimensions	4.2	Height of mast	mast lowered	h_1	mm	2015	2015
	4.3	Free lift		h_2	mm	150	150
	4.4	Lift		h_3	mm	2844	2844
	4.5	Height of mast	mast extended	h_4	mm	3639	3639
	4.19	Total length		l_1	mm	2768	3133
	4.20	Length including fork backs		l_2	mm	1718	2083
	4.21	Total width		b_1/b_2	mm	920/1109	920/1109
	4.22	Fork dimensions DIN ISO 2331		s/e/l	mm	50/100/1050	50/100/1050
	4.24	Fork carriage width		b_3	mm	1000	1000
	4.25	Overall fork width	min./max.	b_5	mm	540 to 850	540 to 850
	4.31	Ground clearance, laden, below mast		m_1	mm	30	30
	4.32	Ground clearance, centre of wheel base		m_2	mm	38	38
Electric engine	6.1	Drive motor, rating S2 = 60 min			kW	2.3	2.3
	6.2	Lift motor, rating S13 = 15 %			kW	3.2	3.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no				43 535 B/4PzS	43 535 B/4PzS
	6.4	Rated capacity K_5			V	24/345/375	24/460/500
	6.5	Battery weight (depending on manufacturer ±5 %)			kg	287	365
Misc.	8.1	Type of drive unit				AC control	AC control
	8.4	Sound pressure level L_{pAZ} (operator's position)			dB(A)	<=66	<=66

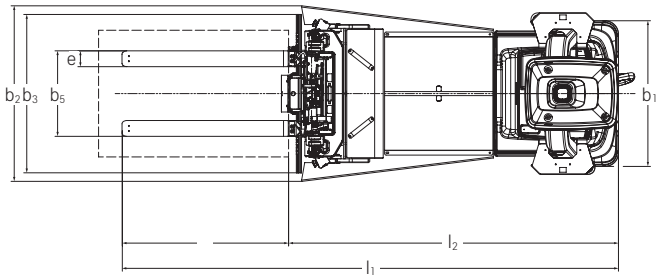




Side view EXV-CB iGo



Rear view EXV-CB iGo



Top view EXV-CB iGo

Mast Table

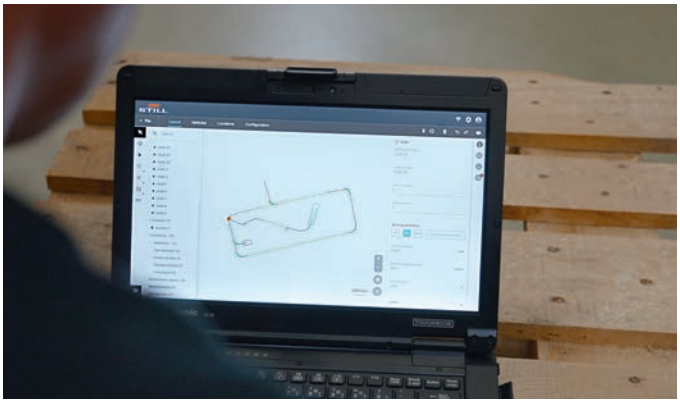
	Telescopic mast			EXV-CB 12-16 iGo			
EXV-CB iGo	Height, mast lowered	h_1	mm	2015	2215	2465	2665
	Lift height when moving (h_3 = 150 mm)	h_1'	mm	2090	2290	2540	2740
	Free lift[1]	h_2	mm	150	150	150	150
	Lift	h_3	mm	2844	3244	3744	4144
	Height, mast raised	h_4	mm	3639	4039	4539	4939

[1] For standard masts, the free lift h_2 depends on h_1'

EXV-CB iGo Automated Counterbalance High Lift Pallet Truck
Detailed Photos



Maximum pedestrian safety thanks to the reliable 360° safety laser scanners on the truck



Simple commissioning and operation thanks to the smart iGo easy plug-and-play solution



Dynamic safety fields ensure the perfect balance between driving speed and safety by adjusting in real time to the route and curve radius



High visibility of the truck thanks to the optional STILL Warning Zone Light and STILL Safety Light



The large touchscreen at eye level supports operators – for intuitive operation and maximum user-friendliness



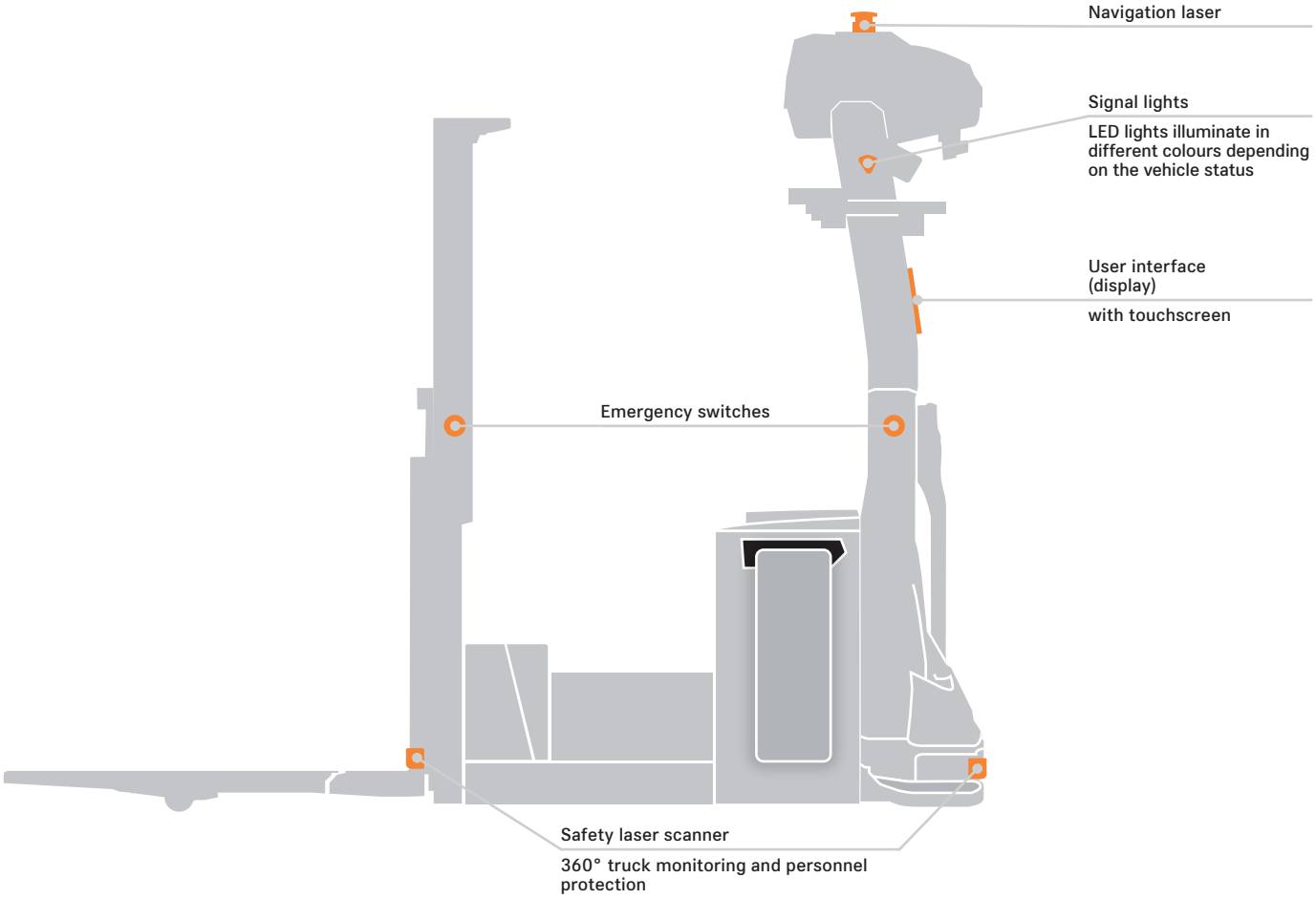
Reliable collision avoidance with additional sensors for detecting obstacles in the vehicle's surroundings



The EXV-CB iGo offers flexible load handling - anything is possible from standard pallets and mesh boxes to special load carriers



Top transfer performance: whether cantilevered into the VNA rack, direct delivery and collection from the conveyor belt, or floor space



STILL iGo – Automation Solutions

We make automation smart. From flexible plug-and-play solutions (STILL iGo easy) to highly customised system solutions (STILL iGo systems), STILL iGo covers the full range of automation in a scalable manner, tailored precisely to your needs.

iGo easy

Our smart plug-and-play solution STILL iGo easy is the perfect option for anyone who wants to automate individual logistics transport processes with small fleets. iGo easy is quick and easy to implement thanks to its intuitive user interface and flexibility. So, if demand increases or your processes become more complex, you can simply switch to our iGo systems solution at any time.

iGo systems

Do you already have extensive or interlinked logistics processes that you would now like to automate? Then iGo systems is the perfect solution for you. The system can be customised to your needs, and enables trucks to be controlled in perfect, synchronised harmony and integrated into comprehensive logistics processes. Plus, it is your choice whether this covers individual trucks or even entire fleets.

EXV-CB iGo Automated Counterbalance High Lift Pallet Truck
Versatile team player

Multitalented: thanks to its cantilever forks, the EXV-CB iGo offers flexible load handling, whether it's standard pallets, mesh boxes or special load carriers

Ready for use at any time: thanks to dual operating mode, switching between automatic and manual operation is seamless

Simply intuitive: with the smart plug-and-play solution iGo easy, commissioning and handling are just as simple and straightforward as adjustments and scaling



Accurate goods transfers, regardless of the load carrier, are easier than ever with the EXV-CB iGo. This automated high lift pallet truck is ideal for deliveries and collections, whatever the transfer point looks like. With a load capacity of 1,400 kilograms, a storage height of up to 3.8 metres, and the ability to handle both standard pallets and special load carriers, it offers unparalleled versatility. To ensure maximum process reliability and pedestrian safety, the EXV-CB iGo is equipped with a multi-stage safety system featuring state-of-the-art laser scanners and sensors. Despite its advanced performance, it is equally easy to use thanks to the smart STILL iGo automation solution, which offers features such as plug-and-play commissioning with iGo easy. iGo easy enables both stand-alone operation and connection to a WMS. If your automated fleet grows or you want to automate further processes, the scalable software can grow with you. It's that simple.

The "Simply Efficient" factors: Performance attributes as a measure of economic efficiency

Simply easy

- Precise navigation and reliable goods handling thanks to navigation laser
- Easy implementation and integration into existing processes with the smart plug-and-play solution STILL iGo easy
- Intuitive operation and control via the large touch display, which clearly summarises all relevant information

Simply powerful

- Powerful, efficient and robust: the EXV-CB iGo effortlessly lifts up to 1,400 kg
- High goods turnover even over long distances in the warehouse, thanks to a maximum travel speed of 7.2 km/h in standard aisle widths

Simply safe

- For maximum safety, the EXV-CB iGo comes with a redundant safety system as standard, in accordance with ISO 3691-4
- Reliable pedestrian safety without any loss of performance thanks to a 360-degree laser scanner
- Maximum safety as standard: state-of-the-art scanners generate a flexibly configurable warning and protection zone around the vehicle, effectively protecting people, the vehicle and goods

Simply flexible

- Extremely versatile thanks to high load carrier compatibility
- Cantilever forks (without load arms) enable the uncomplicated handling and lifting of closed pallets from the ground
- Flexible configuration: the fork length and external dimensions can be adapted to suit the load carrier

Simply connected

- Remote access ensures reliable vehicle availability and uncomplicated handling
- Smart performance optimisation through connection to the cloud-based analysis tool, iGo insights
- Holistic warehouse and process optimisation: innovative connection software iGo flow enables intelligent interaction with other vehicles and connection to systems from other manufacturers





Our service offering for your automated systems

We do not compromise when it comes to the availability of your intralogistics systems. This does of course also apply to your automated systems. Whether hardware or software, maintenance or repair, we tailor our service offering according to your individual requirements and those of your system. This allows you to concentrate fully on your business without downtimes, waiting periods or spare parts bottlenecks. Our service technicians and our expert hotline staff are highly qualified, equally as dedicated and available 365 days a year to assist you.

iGo insights: Automated process optimisation

Automated vehicles are used 24 hours a day, 365 days a year. The automated guided vehicles (AGVs) are controlled and monitored by an AGV control system, which generates valuable data that allows for a thorough analysis of your system and your processes from a higher-level perspective. With iGo insights, STILL offers a cloud-based evaluation tool that filters correlations from all the process information collected and recommends specific measures to optimise the availability and performance of your system.

Equipment Variants

		EXV-CB 12-16 iGo
General	STILL iGo easy (plug-and-play solutions)	○
	STILL iGo systems (highly customised system solutions)	○
	STILL iGo insights (analysis tool for optimising use and performance)	○
	User interface with touchscreen	●
	Load backrest	○
	Soft landing (gentle lowering of the fork carriage)	●
	Wi-Fi data transmission	●
Safety	Safety laser scanner – 360° truck monitoring and personal protection	●
	Visual warning indicators – multicoloured flashing lights that indicate the vehicle status (warnings and alarms)	●
	Acoustic warning signals	●
	Emergency stop buttons (emergency stop switches) easily accessible from all surrounding positions	●
	STILL EasyProtectPlus, driving direction (additional vertical collision protection, obstacles without ground contact)	○
	STILL EasyProtectPlus, lateral (additional vertical collision protection, obstacles without ground contact)	○
	STILL Safety Light (light spot ahead of the truck warns of an approaching vehicle)	○
	STILL Warning Zone Light, driving direction (light strips that identify the typical danger zone)	○
	STILL Warning Zone Light, lateral (light strips that identify the typical danger zone)	○
	Safety areas for longitudinal transport with different fork lengths	●
	Safety areas for cross transport with different fork lengths	○
	Load detection (detection of stacked load carriers during load pick-up)	○
	Pallet recognition for standard pallets, e.g. EPAL1, industrial pallets, chemical pallets	●
	Pallet recognition for customised load carriers, e.g. without centre block (mesh boxes)	○
Energy	Lead-acid battery 375-500 Ah	●
	Lithium-ion battery 6-12 kWh	○
	Charging contacts for automated interim charging	○
	Charging station for automated charging	○
	Charger	○

● Standard ○ Option

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STILL is certified in the following areas: Quality management, occupational safety, environmental protection and energy management.

EXV-CB iGo EN 12/25 Subject to technical modifications.