EXV iGo Technical Data
Automated High Lift Pallet Truck

EXV 16 iGo



Li-Ion INSIDE

IFOY winner

EXV iGo Automated High Lift Pallet Truck
The autonomous all-rounder

This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only. Different tyres, other masts, additional equipment, etc. may produce different values.



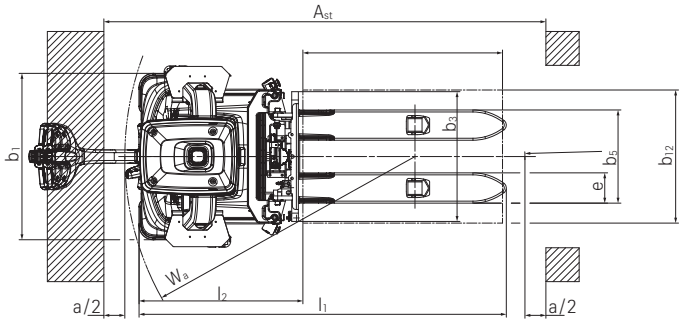
Features	1.1	Manufacturer				STILL
	1.2	Manufacturer's model designation				**EXV 16 iGo**
	1.3	Drive				Electric
	1.4	Operation				Manual/automated
	1.5	Capacity/load		Q	kg	1600
	1.6	Load centre distance		c	mm	625
	1.8	Load distance		x	mm	701
	1.9	Wheel base		y	mm	1386
Weights	2.1	Service weight (incl. battery)			kg	1550
	2.2	Axle load, laden	drive end/load end		kg	1239/1912
	2.3	Axle load, unladen	drive end/load end		kg	1146/404
Wheels/chassis	3.1	Tyres				Rubber + polyurethane/ polyurethane
	3.2	Tyre size	drive end		mm	Ø 230 x 90
	3.3	Tyre size	load end		mm	Ø 85 x 85
	3.4	Additional wheels			mm	Ø 150 x 50
	3.5	Number of wheels (x = driven)	drive end/load end			1 x + 1/2
	3.6	Tread width	drive end/load end	b_{10}/b_{11}	mm	534/380
Basic dimensions	4.2	Height of mast	mast lowered	h_1	mm	1915
	4.3	Free lift		h_2	mm	150
	4.4	Lift		h_3	mm	2844
	4.5	Height of mast	mast extended	h_4	mm	1915
	4.7	Height of overhead guard		h_6	mm	2443
	4.15	Fork height, lowered		h_{13}	mm	86
	4.19	Total length		l_1	mm	2208 [1]
	4.20	Length including fork backs		l_2	mm	966 [1]
	4.21	Total width		b_1	mm	1000
	4.22	Fork dimensions DIN ISO 2331		s/e/l	mm	71/182/1250
	4.24	Fork carriage width		b_3	mm	780
	4.25	Overall fork width		b_5	mm	560
	4.26	Distance between wheel arms/loading surfaces		b_4	mm	255
	4.32	Ground clearance, centre of wheel base		m_2	mm	20
Performance	5.1	Driving speed	laden/unladen		m/s	2.0/2.0
	5.10	Service brake				Electromagnetic
Electric engine	6.1	Drive motor, rating S2 60 min.			kW	2.3
	6.2	Lift motor, rating at S3 15%			kW	3.2
	6.3	Battery according to DIN 43531/35/36 A, B, C, no				3PzS
	6.4	Battery voltage/rated capacity K5			V/Ah kWh	24/375 Li-Ion: 12
	6.5	Battery weight ±5% (depends on manufacturer)			kg	333
Misc.	8.1	Transmission control				AC control
	8.4	Sound pressure level at driver's seat			dB(A)	<66

[1] +75 mm with 4PzS battery
Please note: This is a sample configuration. Depending on the use of the truck, the values may differ.

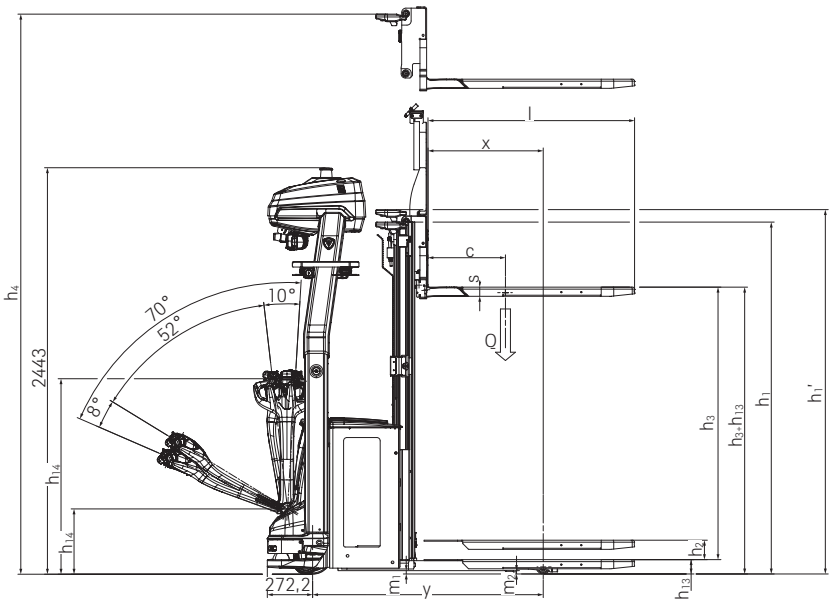
Mast Table

				Telescopic mast		
EXV iGo	Height	h_1	mm	1915	2115	2365
	Mast height with activated free lift (h3 = 150 mm)	h_1'	mm	1990	2190	2640
	Free lift [1]	h_2	mm	150	150	150
	Lift	h_3	mm	2844	3244	3744
	Height, mast raised	h_4	mm	3364	3764	4264

[1] With increased mast height h_1'

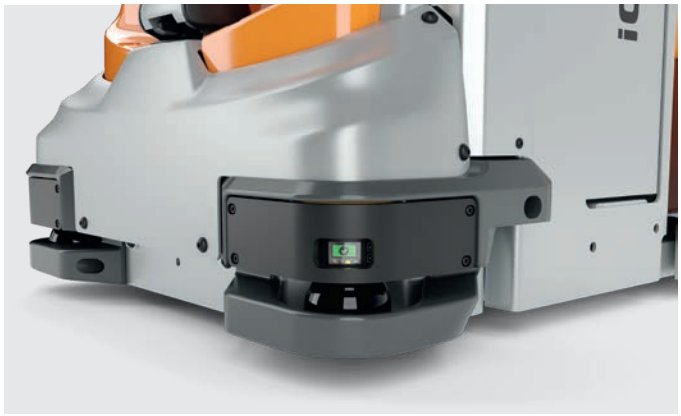


Top view EXV iGo



Side view EXV iGo

EXV iGo Automated High Lift Pallet Truck
Detailed Photos



Excellent operator safety thanks to reliable 360-degree safety laser on the truck



The entire charging process of the EXV iGo can be fully automated: charging contacts for both lithium-ion and lead-acid batteries



Dynamic safety fields around the truck ensure maximum safety and collision avoidance: real-time adjustment of the driving speed depending on corner radius



Eye-catching warning lights for high visibility and recognition of the truck



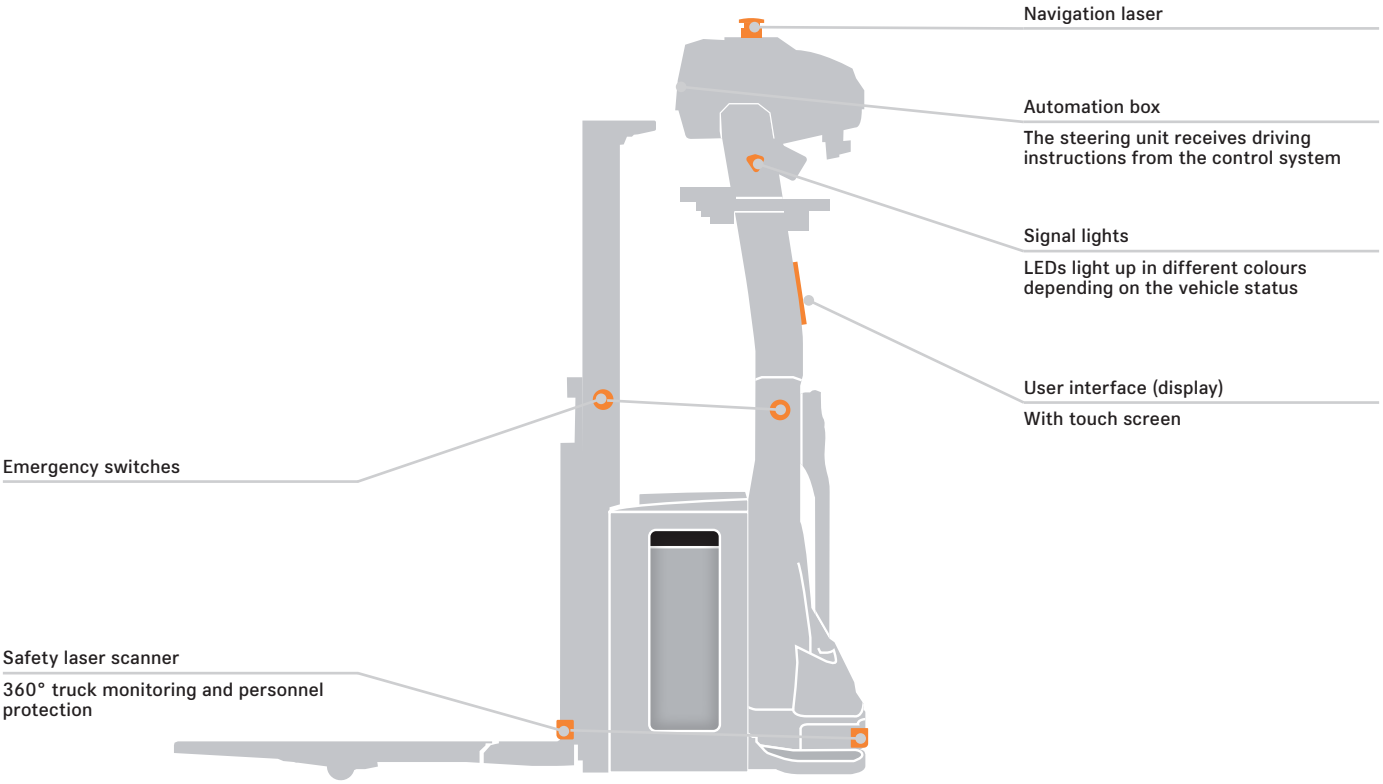
Large touch screen at eye level for intuitive operation and maximum ease of use



No aisle too narrow, no warehouse too small: the EXV iGo boasts impressively compact dimensions and high manoeuvrability



Experience and know-how: STILL's tried and tested truck technology is the basis of our reliable, safe and efficient goods transport



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 iGo Automated High Lift Pallet Truck
The autonomous all-rounder

Our all-rounder: the flexible and versatile EXV iGo can effortlessly lift loads of up to 1,600 kg to a height of up to 3,800 mm

Always ready for action: thanks to its dual operating mode, you can seamlessly switch between automatic and manual operation, for example to handle unexpected transport tasks

Efficiency as standard: industrialised production ensures short lead times and competitive purchase and operating costs

Simply intuitive: thanks to iGo easy, the smart plug-and-play solution, commissioning and operation, as well as customisation and scaling, are simple and straightforward



The EXV iGo is perfect for setting new standards, particularly in production logistics and staging areas. It excels at loading and unloading in wide-aisle and block warehouses and at transfer stations in high-bay warehouses. It is also ideal for automatic order preparation and horizontal transport, easily covering longer distances at a maximum speed of 7.2 km/h. Thanks to its high residual load capacity and lift height of up to 3.8 metres, it is a reliable, high-performance partner for storage and retrieval operations. The EXV iGo can be easily integrated into existing IT systems or used as a standalone solution for straightforward, repetitive transportation tasks. It guarantees the highest levels of process reliability, precision and safety, even in mixed-operation environments. This is ensured by the 360° pedestrian protection system, which uses safety scanners and sensors to protect people, the machine, and the load.

EXV iGo Automated High Lift Pallet Truck
The 'Simply Efficient' factors: Performance attributes as a measure of economic efficiency

Simply easy

- Fast and precise navigation and reliable goods handling thanks to the navigation laser
- Straightforward implementation and integration into existing processes with the smart plug-and-play STILL iGo easy solution

Simply powerful

- Powerful and efficient: the EXV iGo can lift up to 1.600 kg with its sturdy mast
- High handling capacity, even over longer transport distances, thanks to a top speed of 7.2 km/h

Simply safe

- A redundant safety system ensures maximum operational safety and meets all the requirements of the ISO 3691-4 safety standard
- Reliable pedestrian safety without compromising performance: 360-degree safety laser scanners create a safety field around the vehicle to provide optimum protection for people, goods, and the vehicle itself

Simply flexible

- Excellent flexibility in automated goods transport thanks to freely definable pick-up and drop-off stations
- High load carrier compatibility enables versatile applications across a wide range of industries and production environments
- The best solution for every application: switching between automated and manual operation is quick and straightforward, and spontaneous use is also possible

Simply connected

- High availability and straightforward vehicle handling thanks to remote access
- Smart analysis and optimisation of operations and performance through straightforward integration with the STILL iGo insights analysis tool
- Various iGo vehicles can be combined with one another, with manual transport systems, and with stationary automation systems
- Optimisation of goods flow thanks to straightforward integration with existing material flow management systems via MMS readiness





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 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 detection (pallet cages are detected by pallet sensors positioned on the sides)	○
	Load detection (stacked load carriers are detected during load lifting)	○
	Navigation laser	●
Safety	Safety laser scanner – 360° truck monitoring and personal protection	●
	Emergency switches (5x)	●
	Acoustic warning signals	●
	STILL EasyProtectPlus, driving direction (additional collision avoidance when manoeuvring around obstacles that do not touch the ground)	○
	STILL EasyProtectPlus, lateral (additional collision avoidance when manoeuvring around obstacles that do not touch the ground)	○
	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 field 1 (standard load carrier EPAL1 compact)	○
	Safety field 2 (standard load carrier pallet longitudinal transport)	○
	Safety field 3 (standard load carrier pallet transverse transport)	○
Energy	Lithium-ion battery (4.4-12 kWh)	○
	Lead-acid battery (375-500 Ah)	○
	Chargers (120 A or 225 A)	○
	Charging contact for automated charging	○
	Charging station for automated charging	○

● Standard ○ Option

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

EXV iGo EN 07/26 Subject to technical changes.