

EXH 14C and EXH 14 Technical Data

Low Lift Pallet Trucks

EXH 14C

EXH 14



EXH 14C and EXH 14 Low Lift Pallet Trucks

Compact all-rounder for challenging applications

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



					EXH 14C/Li-Ion	EXH14/Li-Ion	
					EXH 14C/Li-Ion	EXH14/Li-Ion	
Features	1.1	Manufacturer			STILL	STILL	
	1.2	Manufacturer's model designation			EXH 14C/Li-Ion	EXH14/Li-Ion	
	1.3	Drive			Battery	Battery	
	1.4	Operation			Standing	Standing	
	1.5	Capacity/load	Q	kg	1400	1400	
	1.6	Load centre distance	c	mm	600	600	
	1.8	Load distance	x	mm	935/975 ^{1,2}	893/965 ^{8,9}	
	1.9	Wheel base	y	mm	1220/1260 ^{1,2}	1160/1232 ^{8,9}	
	Weights	2.1	Service weight (including battery)		kg	175 ^{1,4}	284
2.2		Axle load, laden	drive end/load end	kg	519/1056 ^{1,4}	580/1104	
2.3		Axle load, unladen	drive end/load end	kg	135/40 ^{1,4}	64/220	
Tyres/chassis	3.1	Tyres			Polyurethane	Polyurethane	
	3.2	Tyre size	drive end	mm	Ø 210 x 75	Ø 210 x 75	
	3.3	Tyre size	load end	mm	Ø 80 x 70 ¹²	Ø 85 x 105 (Tandem wheels = Ø 85 x 80)	
	3.4	Support roller size		mm	Ø 80 x 30	2x Ø 125 x 40	
	3.5	Number of wheels (x = driven)	drive end/load end		1x + 2/4 ¹²	1x + 2/2 (1x + 2/4)	
	3.6	Track width	drive end/load end	b ₁₀ /b ₁₁	mm	-/400 (525) ¹	4828/395/(515 ⁸)
Dimensions	4.4	Lift	h ₃	mm	115 ¹	125 ¹²	
	4.9	Drawbar height in driving position	min./max.	h ₁₄	mm	750/1185 ¹	740/1270 ⁸
	4.15	Fork height lowered		h ₁₃	mm	85 ³	86 ¹¹
	4.19	Total length		l ₁	mm	1650 ¹	1579 ⁸
	4.20	Length including fork backs		l ₂	mm	500 ¹	429 ⁸
	4.21	Total width		b ₁ /b ₂	mm	560/685 ¹	720 ⁸
	4.22	Fork dimensions	DIN ISO 2331	s/e/l	mm	55/160/1150	55/165/1150
	4.25	Overall fork width		b ₅	mm	560/685 ¹	560/680 ⁸
	4.32	Ground clearance, centre of wheel base	min./max.	m ₂	mm	35/150 ¹²	32
	4.34.1	Working aisle width with 1000 x 1200 pallet crossways		A _{st}	mm	2219 ⁸	2174 ¹²
	4.34.2	Working aisle width with 800 x 1200 pallet lengthways		A _{st}	mm	2095 ⁸	2069 ¹²
	4.35	Turning radius		W _a	mm	1415 ²	1365/1437 ⁹
	Performance data	5.1	Driving speed	laden/unladen	km/h	4,5/5,0 ⁹	5,0/5,0 ¹³
5.2		Lifting speed	laden/unladen	m/s	0.030/0.035 ⁹	0.019/0.024 ¹³	
5.3		Lowering speed	laden/unladen	m/s	0.046/0.033 ⁹	0.057/0.023 ¹³	
5.8		Max. gradeability kB 5	laden/unladen	%	8/16 ¹⁰	7/20 ¹⁴	
5.9		Acceleration speed (to 10 m)	laden/unladen	s	10,0/9,0 ⁷	8,9/8,1	
5.10		Service brake				Electric	Electric
Electric engine	6.1	Drive motor, rating S2 60 min.		kW	1.0	1.0	
	6.2	Lift motor, rating at S3 15 %		kW	0.8	0.8	
	6.3	Battery according to DIN 43531/35/36 A, B, C, no				no	no
	6.4	Battery voltage/rated capacity K _s		V/Ah	48 V/20 Ah	48 V/30 Ah	
	6.5	Battery weight ±10% (depending on manufacturer)	min./max.	kg	14 ³	31	
	6.6	Energy consumption according to VDI cycle		kWh/h	0.130	0.160	
	6.6.2	CO ₂ -equivalent emissions		kg/h	-	0.147	
	6.7	Turnover output according to VDI 2198		t/h	-	64	
6.8	Turnover efficiency according to VDI 2198		t/kWh	-	0.294		
Misc.	8.1	Transmission control			DC motor	KEPC	
	10.7	Noise level (at operator's ear)		dB(A)	66	63	

¹ Initial stroke raised/lowered

² Load distance +/- 5%

³ Battery weight ±5%

⁴ Based on type 560

⁵ Tandem load roller tolerance 0 to -5 mm

⁶ ± 1 %

⁷ ± 10 %

⁸ ± 5 mm

⁹ Fork arms raised/lowered

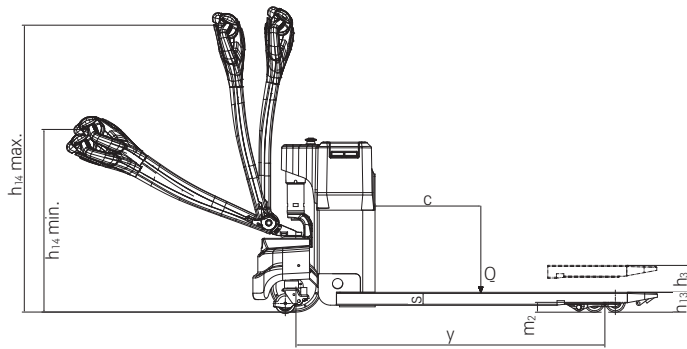
¹⁰ The figures in brackets indicate the initial gradeability

¹¹ 0/+5 mm

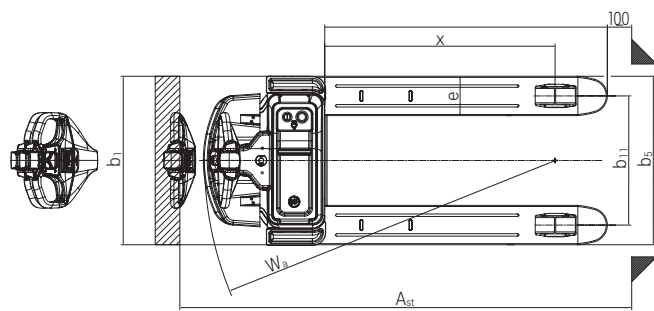
¹² A_{st} = W_a + R + a Safety distance a = 200 mm; R 4.34.1 = 504 mm; R 4.34.2 = 600 mm

¹³ ± 5%

EXH 14C and EXH 14 Low Lift Pallet Trucks
 Technical Data

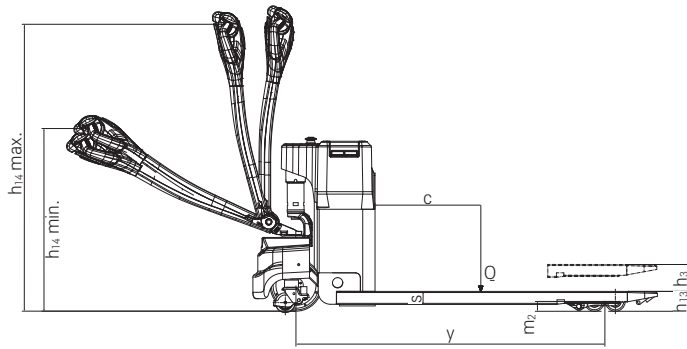


Side view EXH 14C

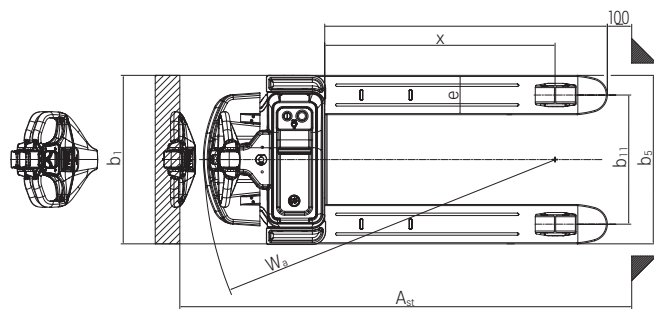


Top view EXH 14C

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Side view EXH 14



Top view EXH 14

EXH 14C and EXH 14 Low Lift Pallet Trucks Detailed Photos



On sales floors, when loading and unloading lorries or in production supply, the EXH 14C is always at your side - compact, agile, reliable



It couldn't be easier: thanks to the on-board charger fitted as standard, you can charge your EXH 14C quickly and easily at any power socket



The ergonomic tiller handle allows the EXH 14C and EXH 14-20 to be operated intuitively with just one hand, and the integrated LED display keeps all important information in view



Stay safe even in confined spaces - thanks to the creep speed button fitted as standard on the EXH 14C and EXH 14-20



It really is that simple: the EXH 14 has a built-in 15 A charger featuring innovative lithium-ion technology as standard



The compact design ensures maximum operational flexibility and allows for efficient transport by lorry



Agility is its forte: the creep function allows for safe and precise manoeuvring, even in tight spaces



Powerful and compact - the EXH 14 is the ideal choice for heavy-duty tasks and industrial applications

EXH 14C and EXH 14 Low Lift Pallet Trucks

Compact all-rounder for challenging applications

Agile, manoeuvrable and precise even in the tightest of spaces thanks to compact dimensions and smart product design

Safe and ergonomic handling – even with one hand, thanks to the innovative STILL tiller with integrated LED display

Done in no time: with the EXH 14C, you can transport up to 1,400 kg quickly, safely and with ease



EXH 14C – Making everyday tasks effortless

Sometimes it's not everything you need, but exactly what you need: A smart warehouse helper for simple and occasional horizontal transport tasks - uncomplicated, reliable, compact. The EXH 14C pedestrian hand pallet truck is very easy to operate, can be manoeuvred with one hand and is always ready to move goods from here to there, to the sales floor or to the shelf. It is also ideal for occasional assistance with lorry loading and unloading or production supply. In short, for the typical transport tasks in logistics and retail. No more, no less.

As the EXH 14's 'little brother', the EXH 14C transports up to 1,400 kg quickly and safely on level and firm ground, while remaining stable at all times thanks to the standard support wheels. This is also ensured by the tiller mounted low on the chassis with the innovative STILL tiller head concept. It allows ergonomic one-handed operation for both left- and right-handed operators and shows all relevant operating information on the integrated LED display. The EXH 14C is equipped with a lithium-ion battery and integrated charger for quick and easy charging and recharging. So simple. So smart.

Flexible thanks to its narrow working width

Tough as nails: the EXH 14 is robust, powerful and hard-wearing, making it the ideal warehouse assistant for industrial applications

Thanks to the ergonomic tiller with integrated LED display, handling is a breeze – even with just one hand

Versatile: with a chassis height of just 740 mm, the EXH 14 is also suitable for transport in lorries



EXH 14 – Full power in the smallest space

Fits in even the smallest of spaces. Or inside a lorry. The EXH 14 pedestrian low lift pallet truck is so compact and agile that you can manoeuvre it effortlessly around the loading area of a lorry. If necessary, even with the tiller raised – thanks to the intelligently positioned controls. The ergonomics really come into their own when the tiller is in the horizontal position: the extra-long tiller protects your feet while enabling you to maintain a back-friendly posture, and the LED display in the tiller head provides you with all relevant vehicle

information at a glance. In particular, the low Ast makes the EXH 14 a manoeuvring marvel in the tightest of spaces. It is robust, powerful on the ramp, boasts excellent lateral stability and performs admirably even in industrial environments. This is also true when used away from home. With a chassis height of just 740 mm, the EXH 14 can be easily transported in a lorry. Its standard 15 A on-board charger and optional lithium-ion technology ensure it is always ready to go.



Simply easy

- Easy manoeuvring in the tightest of spaces – thanks to the integrated lithium-ion battery and the resulting particularly compact dimensions
- Full visibility for maximum precision: the centrally mounted tiller and low chassis height provide a clear view right down to the tips of the forks
- Everything in one hand – whichever one: with the innovative STILL tiller, all driving, lifting and lowering functions can be operated with one hand without changing grip
- Fully informed thanks to the LED display in the tiller head: all relevant operating data clearly summarised
- Safety made easy: Two preset driving programmes (creep speed and normal speed) ensure the right speed for every operating environment
- Stability as standard – thanks to single rollers: optionally also available as tandem version
- Safe and easy on ramps thanks to reliable traction and sideways pallet handling



Simply powerful

- Always ready to go and fully charged thanks to the standard 15 A on-board charger – with the optional lithium-ion technology, both the EXH 14 and the EXH 14C are also particularly low-maintenance
- Initial lift stop at maximum lift protects vehicle components and reduces noise levels
- Power on the ramp: the EXH 14 can handle gradients of up to 20%
- Full of energy thanks to a powerful 48 V / 30 Ah battery (EXH 14)
- Powerful ramp climbing and high lateral stability: the 5-wheel chassis easily and safely navigates uneven ground
- High efficiency and uptime thanks to powerful, low-maintenance drive and steering motors
- Goods handling with a load capacity of up to 1,400 kg and a maximum travel speed of 5 km/h



Simply safe

- The extra-long tiller ensures a safe distance from the vehicle at all times and makes steering easier
- Prepared for emergencies: an emergency stop switch is fitted as standard
- Safety and precision in confined spaces thanks to the creep speed function and simple controls, even when the tiller is in a vertical position
- Responsive steering ensures a high level of safety even in confined spaces
- Reliable foot protection: the deep-drawn vehicle chassis effectively prevents feet from getting caught under the vehicle
- Stability and safe goods handling thanks to standard support wheels
- The optional load backrest ensures optimum load protection



Simply flexible

- Wide range of applications thanks to high manoeuvrability and compact dimensions provided by the integrated lithium-ion battery
- Easy charging anywhere and at any time – from any standard mains socket using the standard built-in charger
- Clear view: Full visibility right down to the fork tips thanks to the EXH 14's low chassis
- Flexible use thanks to the narrow vehicle width



Simply connected

- Reliable access control with the key switch
- Always well-informed: all key vehicle information clearly summarised on the integrated display in the tiller head



EXH 14C and EXH 14 Technical Data Equipment Variants



	EXH 14C	EXH 14	
General information	Standard driving programme up to 5 km/h with additional creep speed programme	●	●
	Ergonomic tiller, enables one-handed operation for both left- and right-handed users	●	●
	Low-maintenance three-phase drive	●	●
	Fork dimensions 1,000/165/560 mm	○	—
	Fork dimensions 1,000/165/685 mm	○	—
	Fork dimensions 1,150/165/560 mm	●	●
	Fork dimensions 1,150/165/680 mm	—	○
Wheels	Fork dimensions 1,150/165/685 mm	○	—
	Integrated LED display	●	●
	Drive wheel tyres, polyurethane	●	●
	Load roller tyres, polyurethane, single	●	●
	Load roller tyres, polyurethane, tandem	○	○
	Creep speed and lifting with the tiller in the vertical position	●	●
	PIN code access	○	—
Battery system	Load backrest	○	○
	Integrated lithium-ion battery	●	●
	10 Ah/15 Ah integrated lithium-ion charger, depending on choice of battery	●	—
	15 Ah built-in charger for lithium-ion battery	○	●
	0.96 kWh lithium-ion battery (48 V/20 Ah)	●	—
	1.44 kWh lithium-ion battery (48 V/30 Ah)	○	●

● Standard ○ Option — Not available





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

