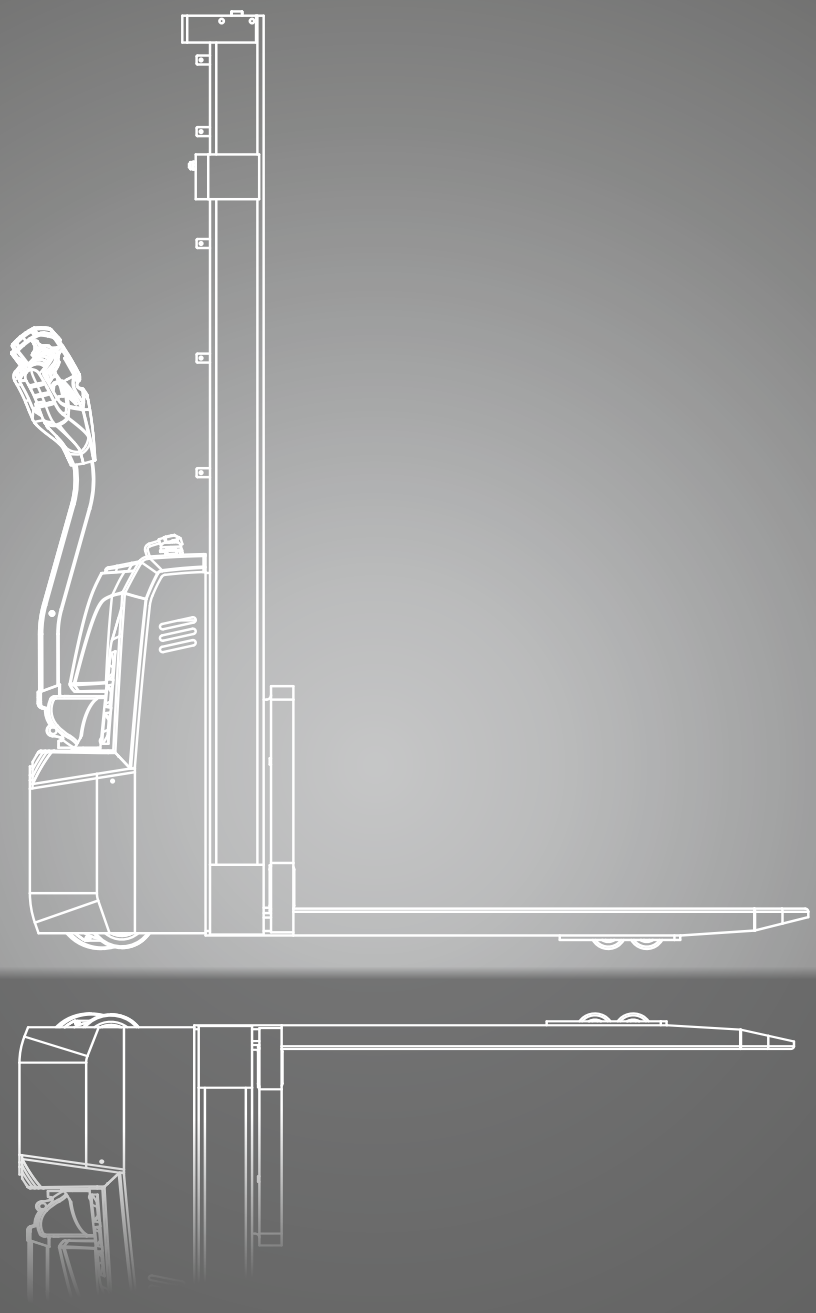
CLARK
THE FORKLIFT

BST12/12i

Lithium-Ion Stacker Truck
Lithium-Ion Stacker Truck with initial lift
1200 kg - Revision -

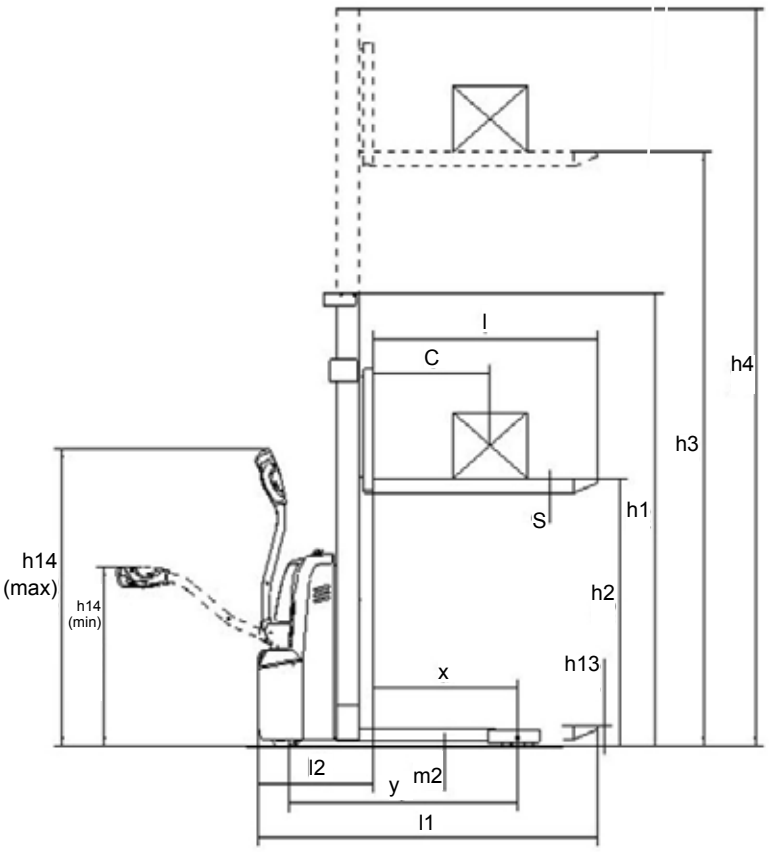


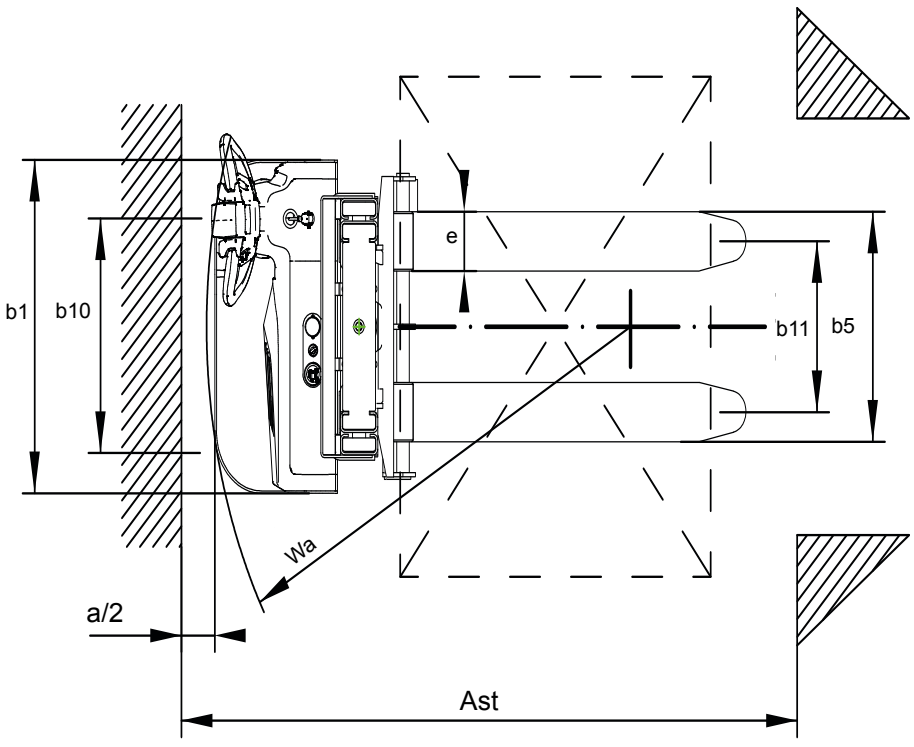
LI-ION

www.clarkmheu.com

DIMENSIONS

BST12





For corresponding data see specification chart.

SPECIFICATIONS

Product specification acc. to VDI 2198

	1.1	Manufacturer (Abbreviation)		CLARK	CLARK
Specifications	1.2	Manufacturer's designation		BST12	BST12i
	1.3	Drive unit		Electric-24V	Electric-24V
	1.4	Operator type stand on/driver seated		Pedestrian	Pedestrian
	1.5	Load capacity/rated load	Q (kg)	1200	1200
	1.6	Load centre distance	c (mm)	600	600
	1.8	Load distance, centre of drive axle to fork face	x (mm)	772	818
	1.9	Wheelbase	y (mm)	1170	1268
Weight	2.1	Service weight	kg	685	665
	2.2	Axle loading, laden front/rear	kg	749 / 1136	1197 / 668
	2.3	Axle loading, unladen front/rear	kg	504 / 181	186 / 479
Tyres, Chassis	3.1	Tyres		Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 195 x 70	Ø 195 x 70
	3.3	Tyre size, rear		Ø 80 x 70	Ø 80 x 70
	3.4	Additional wheel (diemensions)		Ø 150 x 60	Ø 150 x 60
	3.5	Wheels, number front/rear (x = drive wheels)		1x+1/4	1x+1/4
	3.6	Tread, front	b_{10} (mm)	523	523
	3.7	Tread, rear	b_{11} (mm)	410	390
Dimensions	4.2	Height of mast, lowered	h_1 (mm)	2136	2177
	4.4	Lift height *1	h_3 (mm)	3300	3300
	4.5	max.height of mast, extended	h_4 (mm)	3741	3782
	4.6	Initial lift	h_5 (mm)	-	120
	4.9	Height drawbar in driving position min./max.	h_{14} (mm)	670/1300	660/1270
	4.15	Lowered fork height	h_{13} (mm)	90	90
	4.19	Overall length	l_1 (mm)	1748	1789
	4.20	Length to face of forks	l_2 (mm)	556	607
	4.21	Width	b_1(mm)	800	800
	4.22	Fork dimensions	l (mm)	1150	1150
	4.25	Width across forks min/max	b_5(mm)	570	570
	4.32	Ground clearance centre of wheelbase	m_2 (mm)	31	17~137
	4.34.1	Stacking aisle for pallets (l6 · b12) 1000 x 1200 across	Ast (mm)	2218	2286
	4.34.2	Stacking aisle for pallets (l6 · b12) 800 x 1200 along	Ast (mm)	2173	2224
	4.35	Turning radius	Wa (mm)	1365	1450
Performance	5.1	Travel speed laden/unladen	km/h	4 / 4.5	4 / 4.5
	5.2	Lift speed laden/unladen	m/s	0.154/0.261	0.163 / 0.261
	5.3	Lowering speed laden/unladen	m/s	0.253/0.184	0.253/0.184
	5.8	max. gradeability laden/unladen (S2 5 min.) *2	%	6/15	6/15
	5.10	Service brake		electro magnetic	electro magnetic
Drive line	6.1	Drive motor output (S2 60 Min.)	kW	0.65	0.65
	6.2	Lift motor output S3 15 %	kW	3.5	3.5
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/60	24/60
Misc.	6.5	Battery weight	kg	22	22
	10.7	Sound level, driver's ear DIN/EN 12053	dB (A)	70	70

*1) Further lifts heights to be found in mast overview *2) At friction coefficient μ=0.6 with 1.6 km/h

All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change. The specifications apply under normal operating conditions. All values given may vary + 5 % and - 10 % due the motor and system tolerances and represent nominal values obtained under typical operating conditions. CLARK reserves the right to change products and specifications without prior notice.

EQUIPMENT EXTRAS

Upright table BST12

Upright type	Lift height (h3+h13)	Built height lowered (h1)	Height upright extended (h4)	Height upright extended (h4)	Freelift (h2)
			without load backrest	with load backrest	
	mm	mm	mm	mm	mm
Standard	2500	1736	2941	3500	-
	3000	1986	3441	4000	-
	3300	2136	3741	4300	-
	3500	2236	3941	4500	-

Upright table BST12i

Upright type	Lift height (h3+h13)	Built height lowered (h1)	Height upright extended (h4)	Height upright extended (h4)	Freelift (h2)
			without load backrest	with load backrest	
	mm	mm	mm	mm	mm
Standard	2500	1777	2982	-	-
	3000	2027	3482	-	-
	3300	2177	3782	-	-
	3500	2277	3982	-	-

Further Options

		BST12	BST12i
General	Low-maintenance drive motor	•	•
	Initial lift (BST12i only)		•
	Proportional lift as standard	•	•
	Electric driving, lifting and lowering	•	•
	Battery discharge indicator	•	•
Battery and Charging Technology	Battery 24 V / 60 Ah (Li-Ion) Charger 24 V / 25 A (integrated)	•	•
Safety and Operation	4-point support	•	•
	Activation via key switch	•	•
	Turtle mode function with raised tiller arm	•	•
	Safety screen (Perspex) on the mast	•	•
	TFT colour display in the tiller arm	x	x

• = Standard equipment; x = Option

FEATURES & ADVANTAGES

BST12

Compact and clearly arranged

- Compact design with excellent visibility of forks and load
- Proportional lift as standard for precise lifting and lowering
- Laterally offset tiller arm for improved operator protection

Operation

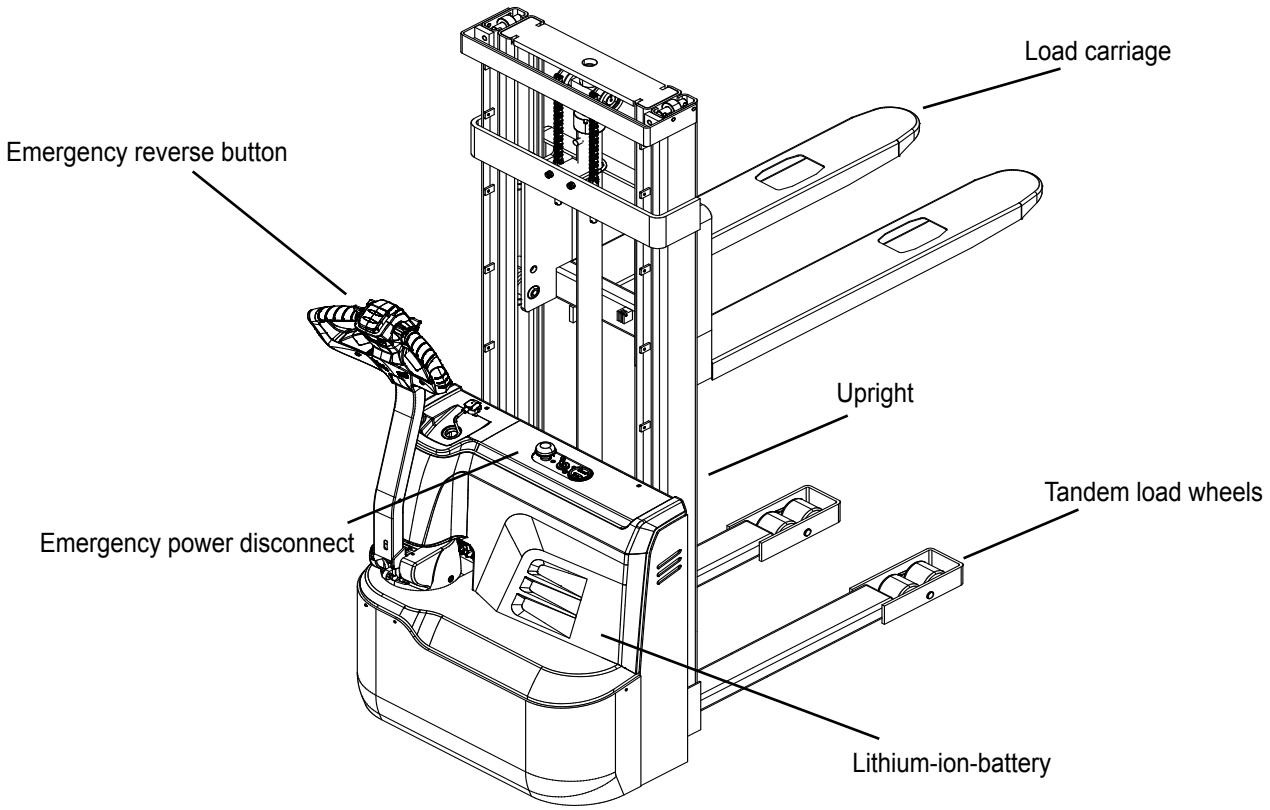
- Turtle mode function as standard
- Four-wheel concept for high stability
- Low centre of gravity for safe handling
- Electromagnetic parking brake
- BST12i: initial lift for double pallet transport and increased ground clearance

Operator-friendly

- Quiet operation
- Ergonomically positioned controls
- Suitable for left- and right-handed users
- Adjustable support rollers

Maintenance-friendly

- Dust- and splash-proof drive motor
- Battery discharge protection
- Low maintenance requirements
- TFT colour display in the tiller arm



CLARK products, illustrations and specications are subject to change without notice. Performance may vary + 5 % and - 10 % due to motor and system effciency tolerance.

PRODUCT DESCRIPTION

BST12/BST12i

BST12 – Electric Pallet Stacker

- For classic pallet transport and rack storage
- Simple, compact and economical

BST12i – Electric Pallet Stacker with initial lift

- Double pallet transport up to 1,200 kg
- Increased ground clearance thanks to initial lift
- Safe driving over ramps and uneven floors

The BST12 and BST12i models are compact electric pallet stackers for daily use in warehouses, production and goods distribution. Both trucks are designed for precise work in confined areas and support stable handling, safe operation and easy control in pedestrian operation.

A key feature is the standard proportional lift, which enables smooth and precise lifting and lowering. This supports accurate load positioning and helps protect sensitive goods during storage and retrieval.

The BST12 is designed for classic pallet transport and standard storage and retrieval tasks. The BST12i also features an initial lift, enabling double pallet transport with a total load capacity of up to 1,200 kg. The initial lift also increases ground clearance, supporting safe driving over ramps, dock levellers and uneven floors.

Thanks to compact dimensions and a clear layout, both models provide excellent visibility of the forks and load.

Li-Ion Technology

Both models are equipped with a lithium-ion battery (24 V / 60 Ah) as standard. The battery is maintenance-free, durable and can be opportunity charged at any time without reducing service life.

The integrated charger (24 V / 25 A) enables charging from any standard 230 V socket, supporting high availability for changing shifts or additional requirements. Battery discharge protection helps protect the battery and supports long service life.

Easy Maintenance

The BST12 and BST12i are designed for low-maintenance operation. The encapsulated drive motor is dust- and splash-proof, supporting reliable operation in daily use.

CLARK Europe GmbH
Dr.-Alfred-Herrhausen-Allee 33
47228 Duisburg / Germany
Tel.: +49 (0)2065 499 13-0
Fax: +49 (0)2065 499 13-290
E-Mail: Info-europe@clarkmheu.com
www.clarkmheu.com

Dealer:

10/2026

Valid for BST12 Lot-no.: 13033
BST12i Lot-no.: 13021