EGD, EGD-S Technical Data.

Pedestrian High Lift Pallet
Truck for Double Deck Use.

Achieve more.

Pedestrian High Lift Pallet Truck for Double Deck Use.

Design.
- Modern functional design and advanced ergonomics are ideally suited for double-decker loading and unloading. Both a low lift and high lift pallet truck, the EGD 16 offers the greatest versatility and productivity.
- The cover is made of extremely sturdy polyurethane (RIM - Reaction Injection Moulding) and provides various storage facilities thanks to a raised edging bead and integral A4 writing surface fitted with a clip to retain documents.
- The sturdy chassis made of thick walled steel plate is a match for hard applications.

Steering.
- Light operation allows manoeuvring in the tightest space.
- A gas spring returns the balanced tiller handle quickly back to the vertical braking position when it is released.
- The spring mounted centre drive unit automatically adjusts the wheel pressure to the weight of the load to ensure optimum floor adhesion.
- Sprung castors give high lateral stability on bends and when travelling empty.

Operating controls.
- Tiller head made of extremely resistant plastic.
- Cam switches in the tiller handle control speed and direction of travel.
- Hoisting / lowering, main and initial lift, and also the horn, can be operated without moving the hand.
- Ergonomic layout of the controls. The push buttons for the signal horn, hoisting and lowering can operated by either hand without changing grip – and are thus suitable for right or left handed operators.
- Wear-free switching technology for the travel, hoist and lower motions.
- Key switch and battery isolation plug are in the field of view and within easy reach.
- Key switch, instruments and Emergency Off button are within easy reach yet well protected.

Safety tiller head.
Pressure on the impact plate on the tiller head changes the direction of drive from forwards to backwards. When the machine is clear of the person and the switch is released, the truck will stop. To restart, the drive switch must first be returned to the neutral position.

Drive.
- Comfortable economical and thus cost-saving work, thanks to the electronic controller with MOSFET technology fitted as standard.
- Sensitive driving response, thanks to the externally excited shunt wound motor.
- The truck will start smoothly and accelerate evenly up to maximum speed.
- The truck is braked when driving by releasing the drive switch or by plugging. The externally excited motor acts as a generator and is used to recover energy when braking.
- When starting on a gradient or if the drive switch is released or put into neutral, the controller and the drive respectively come immediately into effect and prevent uncontrolled rolling back.

Mast.
Nested I-beam mast sections, with chains running behind, give a clear view of the load.

Hydraulic system.
- The compact pump and motor unit has an integral oil tank, solenoid valve, lowering control valve and maximum pressure valve.
- Main lift and initial lift are controlled by push buttons in the tiller head.
- Hoist and lowering speeds respond to the degree of pressure on the control buttons to give precise and safe control of the functions.

Initial lift.
- Wheeled straddle arms enable a second pallet to be carried in double decker operation.
- Increases the floor clearance by 120 mm making it possible to drive over uneven floors and changes of gradient.

Brake system.
- The brake system uses two independent systems; a solenoid operated disc brake on the drive for parking and generator braking through the drive during operation. Braking is automatic when the tiller is horizontal or vertical (deadman braking).

Single load roller.
For normal use on even floors.

Tandem load rollers.
Rocker mounting gives a climbing action – a distinct advantage when operating on uneven floors, for lift access and loading bridges.

Battery.

- The technology of the drive controller and the reduced energy requirement resulting from this allows the use of batteries with a lower Ah capacity even with longer working hours.
- Mounted on a roller track as standard, the battery is easily accessible for maintenance. The battery compartment has a removable panel on one side. The battery can be changed using a changing frame.

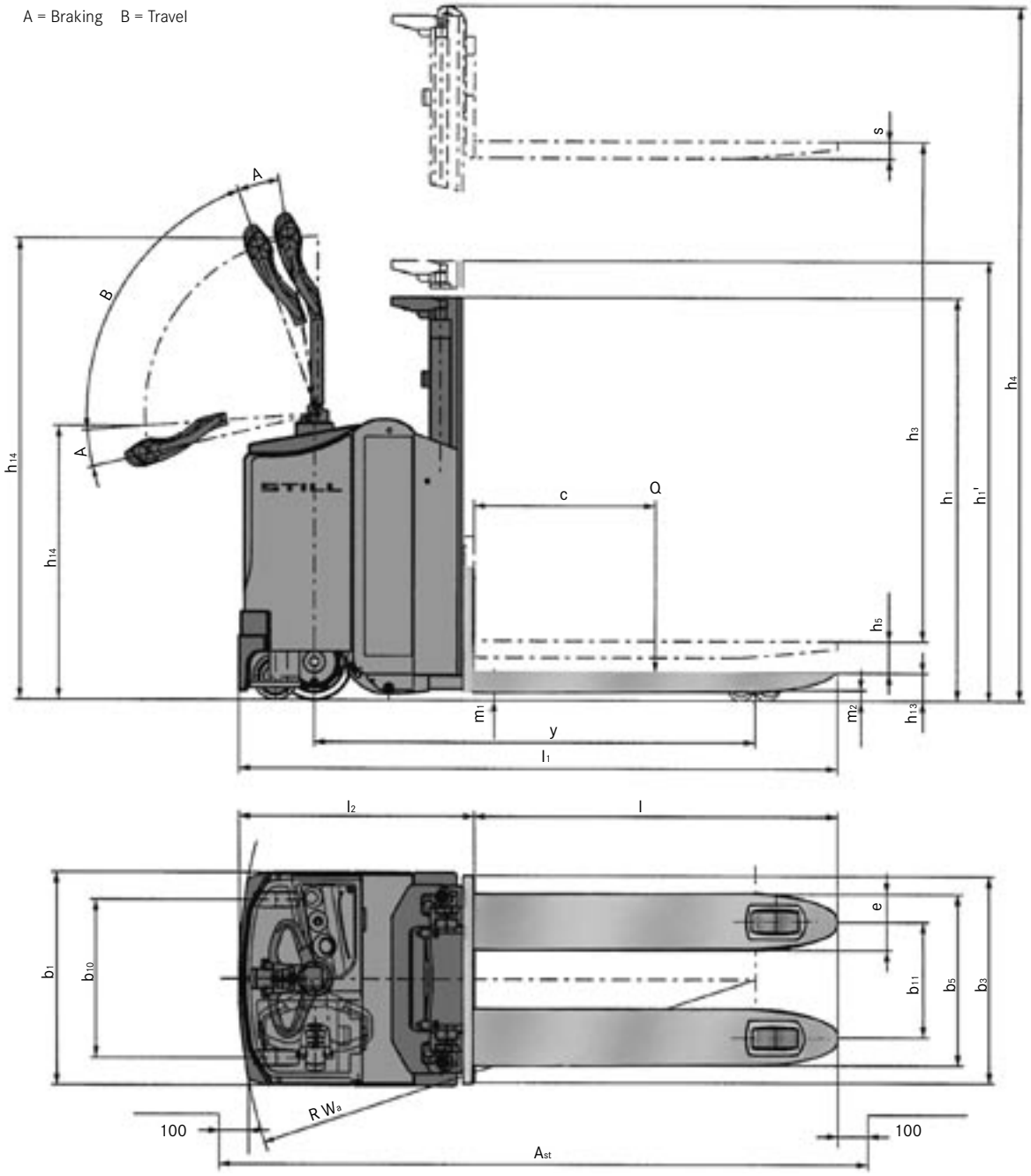
Optional equipment.

- Work hour meter.
- Combi-instrument, to show operating hours and battery charge.
- Single load rollers.
- Hinged driver's stand-on platform.
- Load backrest.

Safety.

- Trucks are built to Directive 98 / 37 / EC and carry the "CE" symbol.
- STILL is certified to ISO 9001.

If two euro pallets need to be transported at once, the EGD pedestrian high lift pallet truck allows fast and particularly efficient loading and unloading of lorries at 2 load levels.


A = Braking B = Travel
A
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In accordance with VDI guidelines 2198, this specification applies to the standard model only.
Alternative tyres, mast types, ancilliary equipment, etc. could result in different values.

Characteristics	1.1	Manufacturer				STILL	STILL
	1.2	Manufacturer's model designation				EGD 16	EGD 16 with plattform
	1.3	Power supply (electric, diesel, petrol, gas, mains electric)				electric	electric
	1.4	Type of control (hand, pedestrian, stand-on, rider seated, order picker)				pedestrian	pedestrian
	1.5	Capacity / load		Q	kg	1600 [1)]	1600 [1)]
	1.6	Load centre		c	mm	600	600
	1.8	Load distance		x	mm	982	982
	1.9	Wheelbase		y	mm	1515	1515
Weight	2.1	Weight (inc. battery)			kg	980	1020
	2.2	Axle loadings laden	drive end / load end		kg	1100 / 1480	1125 / 1495
	2.3	Axle loadings unladen	drive end / load end		kg	765 / 215	790 / 230
Wheels	tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)				Vulkollan	Vulkollan
		3.2	Tyre size	drive end		mm	ø 230 x 75	ø 230 x 75
		3.3	Tyre size	load end		mm	ø 85 x 61,5	ø 85 x 61,5
		3.4	Swivel caster roller	drive end			ø 150 x 50	ø 150 x 50
		3.5	Wheels, number (x=drive wheel)	drive end / load end			1 x -2 / 4	1 x -2 / 4
		3.6	Track width (front)	drive end	b_{10}	mm	520	520
		3.7	Track width (rear)	load end	b_{11}	mm	383	383
Dimensions		4.2	Closed mast height		h_1	mm	1275	1275
		4.21	Closed mast height with initial lift		h_1 ´	mm	1395	1395
		4.3	Free lift		h_2	mm	-	-
		4.4	Lift height		h_3	mm	1544	1544
		4.5	Height, mast raised		h_4	mm	2080	2080
		4.6	Initial lift		h_5	mm	120	120
		4.9	Height of tiller in drive position	min. / max.	h_{14}	mm	880 / 1480	1087 / 1213
		4.15	Height lowered		h_{13}	mm	91	91
		4.19	Overall length		l_1 / l_1 ´	mm	1975	2460 / 2070
		4.20	Length to front face of fork		l_2 / l_2 ´	mm	785	1267 / 877
		4.21	Overall width		b_1	mm	700	700
		4.22	Fork dimensions		s / e / l	mm	56 / 184 / 1190	56 / 184 / 1190
		4.24	Fork carriage width		b_3	mm	680	680
		4.25	Overall fork width		b_5	mm	564	564
		4.31	Floor clearance under mast, laden		m_1		36+120	36+120
		4.32	Floor clearance, centre of wheelbase		m_2	mm	35+120	35+120
		4.34	Working aisle width, with 800 x 1200 lengthwise (b_{12} x l_6)		A_{st} / A_{st} ´	mm	2426	2916 / 2541
		4.35	Outer turning radius		Wa / Wa ´	mm	1770	2260 / 1885
Performance		5.1	Speed	laden / unladen		km / h	6.0 / 6.0	6.0 / 6.0
		5.2	Lifting time (basic lift)	laden / unladen		s	2.0/1.8	2.0 / 1.8
		5.21	Lifting speed (main lift)	laden / unladen		m / s	0.11 / 0.20	0.11 / 0.20
		5.3	Lowering time (basic lift)	laden / unladen		s	1.6 / 1.6	1.6 / 1.6
		5.31	Lowering speed (main lift)	laden / unladen		m / s	0.20/0.14	0.20 / 0.14
		5.8	Max. gradeability	laden / unladen		%	7 / 10	7 / 10
		5.9	Acceleration time (over 10 m)	laden / unladen		s	8.7 / 7.7	8.7 / 7.7
		5.10	Brakes				electro-magnetic	electro-magnetic
Electric Motors		6.1	Drive motor, rating S2 = 60 min.			kW	1.2	1.2
		6.2	Hoist motor, rating S3 = 15%			kW	2.0	2.0
		6.3	Battery to IEC 254-2; A, B, C, no				IEC 254-2; B	IEC 254-2; B
		6.4	Battery voltage, capacity K_5			V / Ah	24 V / 200 [2)]	24 V / 200 [2)]
		6.5	Battery weight + / – 5% (dependent on manufacturer)			kg	185	185
		6.6	Energy consumption according to VDI cycle			kWh / h	0.62	0.62
Other		8.1	Drive control				electronic	electronic
		8.4	Noise peak at operator's ears			dB (A)	65	65

1) Capacity: main lift = 1000 kg, initial lift = 1600 kg, main and initial lift together = 1600 kg
2) 200 Ah battery = low maintenance, 180 Ah battery = maintenance free

High Lift Pallet Truck with stand-on platform for double-decker use.

Design.
- Modern functional design and optimal ergonomics in conjunction with the stand-on platform have created high lift pallet trucks which are ideally suited for transportation over distances, double-decker loading and unloading and also for storing in the preparation area.
- The cover is made of extremely sturdy polyurethane (RIM - Reaction Injection Moulding) and fitted with a raised edging bead to provide storage for a wide range of items.
- The sturdy chassis is made of thick walled steel plate and is a match for hard applications.

Steering.
- Light operation allows manoeuvring in the tightest space.
- The gas spring takes the user friendly, balanced tiller handle quickly into the vertical position when it is released.
- The spring mounted centre drive unit automatically adjusts the wheel pressure to the weight of the load, which means optimum floor adhesion.
- Spring loaded idler castors give a high level of lateral stability around bends and when running unladen.

Tiller.
- Tiller head made of extremely resistant plastic.
- Ergonomic control layout. The push buttons for signal horn, hoist and lower can be operated by either hand.
- Wear-free switching technology for travel, hoist and lower motions.
- Trucks which are also used for pedestrian operation feature an anatomically shaped impact switch in the tiller head, active in pedestrian mode. It is effective even when the tiller is almost vertical, preventing the operator from getting trapped. The truck will switch automatically from forward to backward travel when the impact switch touches the operator. In this way the truck automatically moves away from the operator and then comes to a stop.
- Key switch, instruments and emergency off are all within easy reach yet well protected.

Driver's stand-on platform.
- Depending on the application there are high lift pallet trucks available with suitably designed platforms.
- For work which alternates between pedestrian and rider mode there is a spring loaded fold-up driver's stand-on platform with side hinged padded protection flaps. In pedestrian operation only a low travel speed is possible.
- For applications where shunting and alignment of the pallet are important the model with a fixed platform is the one to choose.
- Where long runs and occasional order picking are the norm, the model with a rear bulkhead is recommended. This rounded and padded bulkhead provides the user with a comfortable workplace.

Drive.
- Comfortable, economical and hence cost saving work thanks to the electronic controller with MOSFET technology which is fitted as standard.
- Sensitive driving response thanks to the externally excited shunt wound motor.
- The trucks will start smoothly and will accelerate evenly up to maximum travel speed.
- The truck is braked when driving by releasing the drive switch or by plugging. The externally excited motor acts as a generator and is used to recover energy when braking.
- When starting on a gradient, or if the drive switch is released or put into neutral, the controller brings the drive into operation to hold the truck steady and thus prevent any uncontrolled rolling back.

Hydraulic system.
- Compact pump and motor unit with a built in oil tank, solenoid valve, lowering control valve and maximum pressure valve.
- Main lift and initial lift controlled by push buttons in the tiller head.
- Hoist and lower speeds controlled progressively by depressing the buttons to the required degree.

Mast.
- Nested I-beam mast sections with chains running behind give a clear view of the load.

Initial lift.
- Increases the floor clearance to 145 mm making it possible to drive over uneven floors and changes of gradient.
- Using the straddle legs supported by the wheels it is possible to transport a 2nd pallet at the same time in double-decker applications on lorries or in the warehouse.

Tandem load rollers.
- Rocker mounting gives a climbing action: a distinct advantage on uneven floors, for lift access and loading bridges.

Brake system.
- Braking is achieved by two independent systems; a solenoid operated disc brake on the drive for parking and safety, and generator braking through the drive during operation.
- Braking is automatic when the tiller is vertical or horizontal (deadman braking).
- The truck may only be driven when the foot switch is depressed.

Battery.

– Advanced drive controller technology gives reduced energy requirement and allows the use of batteries with a lower Ah capacity even with longer working hours. The battery is easily accessible and can be changed with a hoist for two or three shift operation.

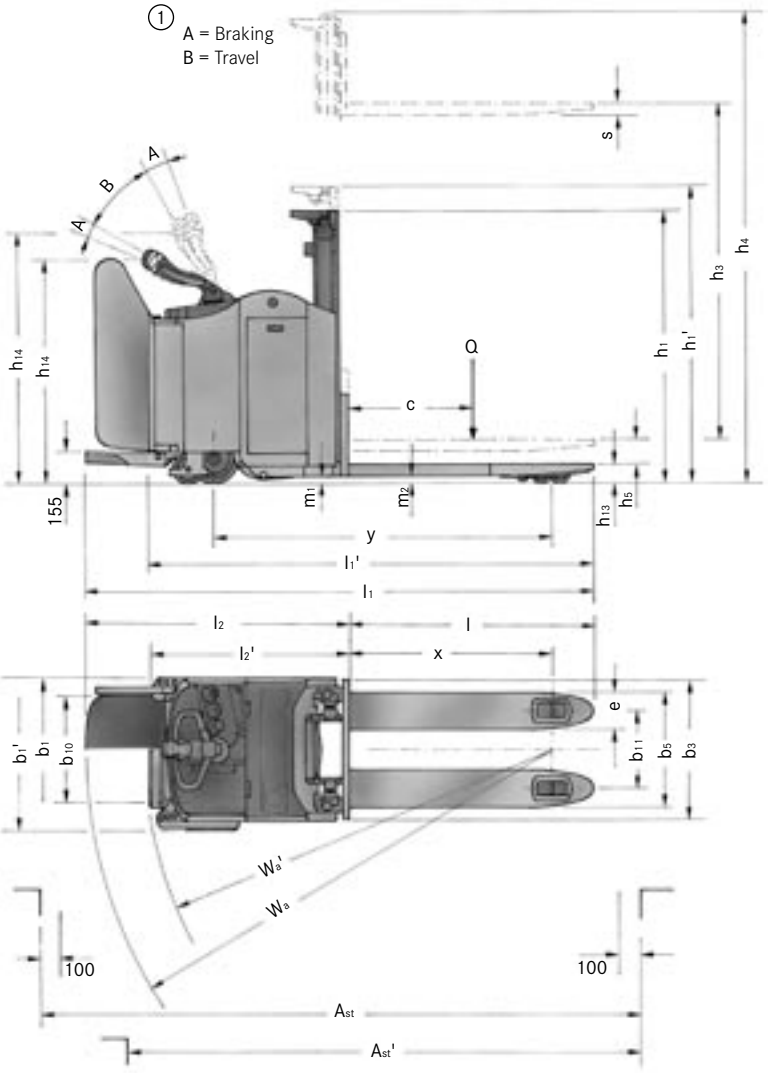
Options.

– Combi-instrument displaying battery state of charge and operating hours.
– Servo steering.

Safety.

– Trucks are built to EC Guidelines 98/37 and carry the “CE” symbol.
– Still is certified to ISO 9001.

① A = Braking
B = Travel



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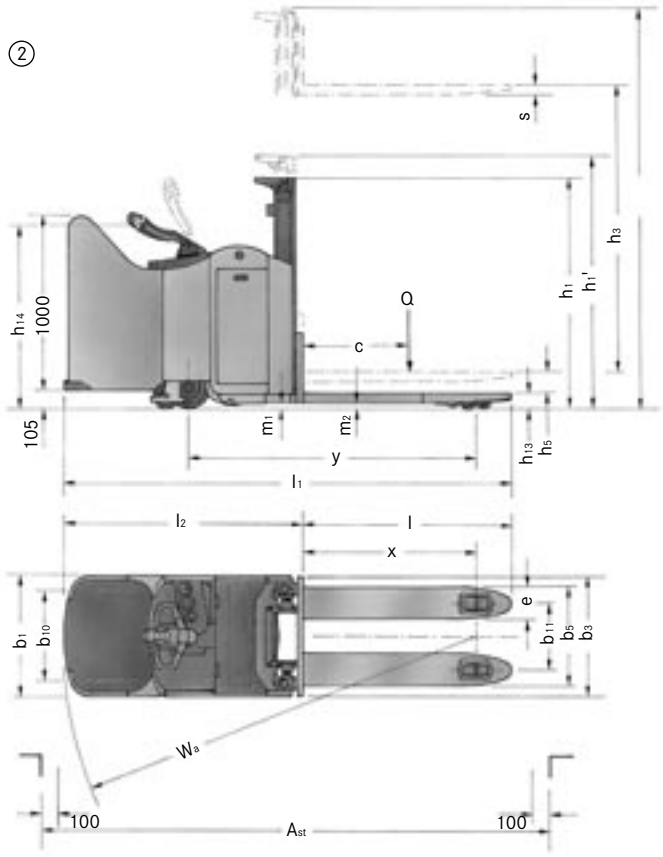

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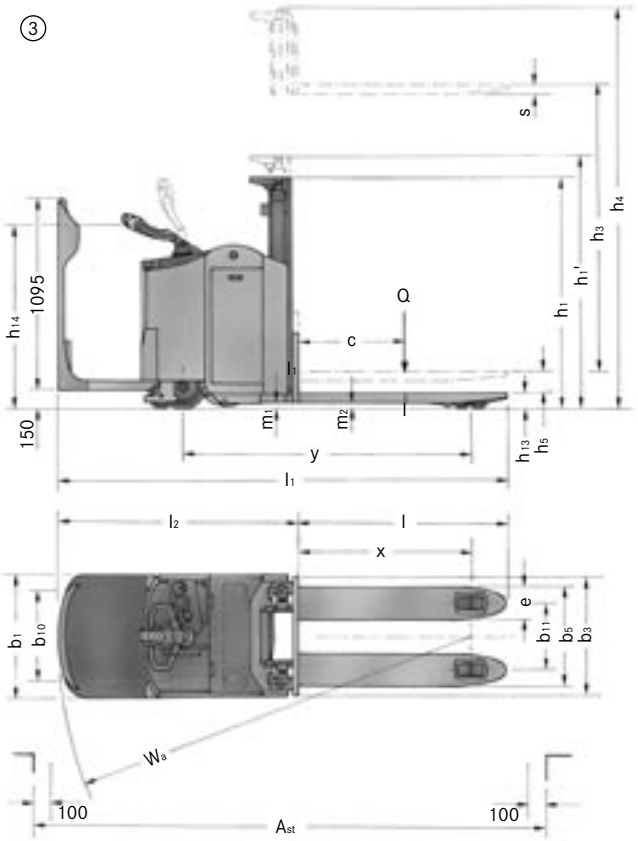

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Alternative tyres, mast types, ancilliary equipment, etc. could result in different values.

Characteristics	1.1	Manufacturer			STILL	STILL	STILL
	1.2	Manufacturer's model designation			EGD-S①with folding platform and hinged side flaps	EGD-S②with fixed platform, open at rear	EGD-S③enclosed at rear with open sides
	1.3	Power supply (electric, diesel, petrol, gas, mains electric)			electric	electric	electric
	1.4	Type of control (hand, pedestrian, stand-on, rider seated, order picker)			pedestrian / stand-on	Stand	Stand
	1.5	Capacity / load	Q	kg	1600	1600	1600
	1.6	Load centre	c	mm	600	600	600
	1.8	Load distance	x	mm	982	982	982
	1.9	Wheelbase	y	mm	1654	1654	1654
Weight	2.1	Weight (inc. battery)		kg	1218	1228	1198
	2.2	Axle loadings laden drive end/ load end		kg	1254 / 1564	1260 / 1568	1242 / 1556
	2.3	Axle loadings unladen drive end/ load end		kg	952 / 266	258 / 270	940 / 258
Wheels | tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)			Vulkollan	Vulkollan	Vulkollan
	3.2	Tyre size drive end		mm	Ø 250 x 80	Ø 250 x 80	Ø 250 x 80
	3.3	Tyre size load end		mm	Ø 85 x 61,5	Ø 85 x 61,5	Ø 85 x 61,5
	3.4	Swivel caster roller drive end			Ø 150 x 50	Ø 150 x 50	Ø 150 x 50
	3.5	Wheels, number (x=drive wheel) drive end/ load end			1 x -2 / 4	1 x -2 / 4	1 x -2 / 4
	3.6	Track width (front) drive end	b_{10}	mm	520	520	520
	3.7	Track width (rear) load end	b_{11}	mm	383	383	383
Dimensions	4.2	Closed mast height	h_1	mm	1275	1275	1275
	4.21	Closed mast height with initial lift	h_1 ´	mm	1395	1395	1395
	4.3	Free lift	h_2	mm	-	-	-
	4.4	Lift height	h_3	mm	1544	1544	1544
	4.5	Height, mast raised	h_4	mm	2080	2080	2080
	4.6	Initial lift	h_5	mm	120	120	120
	4.9	Height of tiller in drive position min. / max.	h_{14}	mm	1087 / 1213	1160 / 1310	1160 / 1310
	4.15	Height lowered	h_{13}	mm	91	91	91
	4.19	Overall length	l_1 / l_1 ´	mm	2501 / 2187	2596	2591
	4.20	Length to front face of fork	l_2 / l_2 ´	mm	1311 / 997	1406	1401
	4.21	Overall width	b_1 / b_1 ´	mm	700 / 792	700	700
	4.22	Fork dimensions	s / e / l	mm	56 / 184 / 1190	56 / 184 / 1190	56 / 184 / 1190
	4.24	Fork carriage width	b_3	mm	680	680	680
	4.25	Overall fork width	b_5	mm	564	564	564
	4.31	Floor clearance under mast, laden	m_1		36+120	36+120	36+120
	4.32	Floor clearance, centre of wheelbase	m_2	mm	35+120	35+120	35+120
	4.34	Working aisle width, with 800 x 1200 lengthwise	A_{st} / A_{st} ´	mm	3025 / 2765	3110	3105
	4.35	Outer turning radius	Wa / Wa ´	mm	2369 / 2110	2454	2449
Performance	5.1	Speed laden / unladen		km / h	8 / 11.2 / 4/5.5	8 / 11.2	8 / 11.2
	5.2	Lifting speed (main lift) laden / unladen		m / s	0.13 / 0.21	0.13 / 0.21	0.13/0.21
	5.3	Lowering speed (main lift) laden / unladen		m / s	0.27 / 0.16	0.27 / 0.16	0.27 / 0.16
	5.31	Lowering time (basic lift) laden / unladen		s	1.0 / 1.4	1.0 / 1.4	1.0 / 1.4
	5.8	Max. gradeability laden / unladen		%	7 / 10 / 5/7	7 / 10	7 / 10
	5.9	Acceleration time (over 10 m) laden / unladen		s	6.9 / 5.1	6.9 / 5.1	6.9 / 5.1
	5.10	Brakes			electro-magnetic	electro-magnetic	electro-magnetic
Electric Motors	6.1	Drive motor, rating S2 = 60 min.		kW	2.0	2.0	2.0
	6.2	Hoist motor, rating S3 = 15%		kW	2.0	2.0	2.0
	6.3	Battery to IEC 254-2; A, B, C, no			IEC 254-2; B	IEC 254-2; B	IEC 254-2; B
	6.4	Battery voltage, capacity K_5		V / Ah	24 V / 330	24 V / 330	24 V / 330
	6.5	Battery weight + / - 5% (dependent on manufacturer)		kg	288	288	288
	6.6	Energy consumption according to VDI cycle		kWh / h	1.2	1.2	1.2
Other	8.1	Drive control			electronic	electronic	electronic
	8.4	Noise peak at operator's ears		dB (A)			

Variants.


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For further information on the EGD
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Achieve more.

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