

ESSM, EFV, EGG Technical Data.

Reach Truck.
Electric Rider.
Straddle Stacker.



Stand-on Reach Truck ESSM.



Driver's compartment.

Spacious and comfortable driver's compartment conducive to high productivity.

- The truck can only be driven when the drive pedal is depressed (deadman principle).
- Driving direction (forwards / backwards) and travel speed are controlled by a horizontally rotating switch with integral horn button.
- Hydraulic functions respond sensitively to the hand operated valves.

Steering.

Steering is mechanical using a hand wheel with spinner knob, cardan shaft and steering box.

- 95° steering angle each side.

Four wheel design.

Weight distribution over 4 wheels gives reduced maximum point loading – important when working on upper floors.

- Steered drive wheel and swivel castors are mounted to articulate on a rocker, giving a high level of driving comfort.

Mast.

Telescopic clearview mast with normal free lift and special free lift.

Drive.

The truck will start smoothly and accelerate evenly up to maximum speed or reduce speed evenly to a standstill, thanks to the electronic pulse controller.

- The ventilated high output drive motor provides high torque.
- Power is transmitted through a two stage spur and bevel gear transmission.

Hydraulic system.

A ventilated series wound motor drives a high pressure gear pump.

- Distribution of the pump flow independent of pressure, gives sensitive and smooth regulation of the hoist / lower, tilt and mast reach functions.
- Maximum pressure valve, lowering control valve and hose burst safety valve protect the hydraulic system.

Brake.

Adjustable solenoid disc brake acts directly on the motor shaft.

- When the pressure is taken off the drive pedal the drive current is interrupted and braking takes place simultaneously (deadman principle).

Combi instrument.

- Combi instrument with battery discharge indicator and work hour meter combined with hoist cut-out and LED display.

Battery.

Mounted on a roller track, easily accessible for maintenance using a maintenance frame.

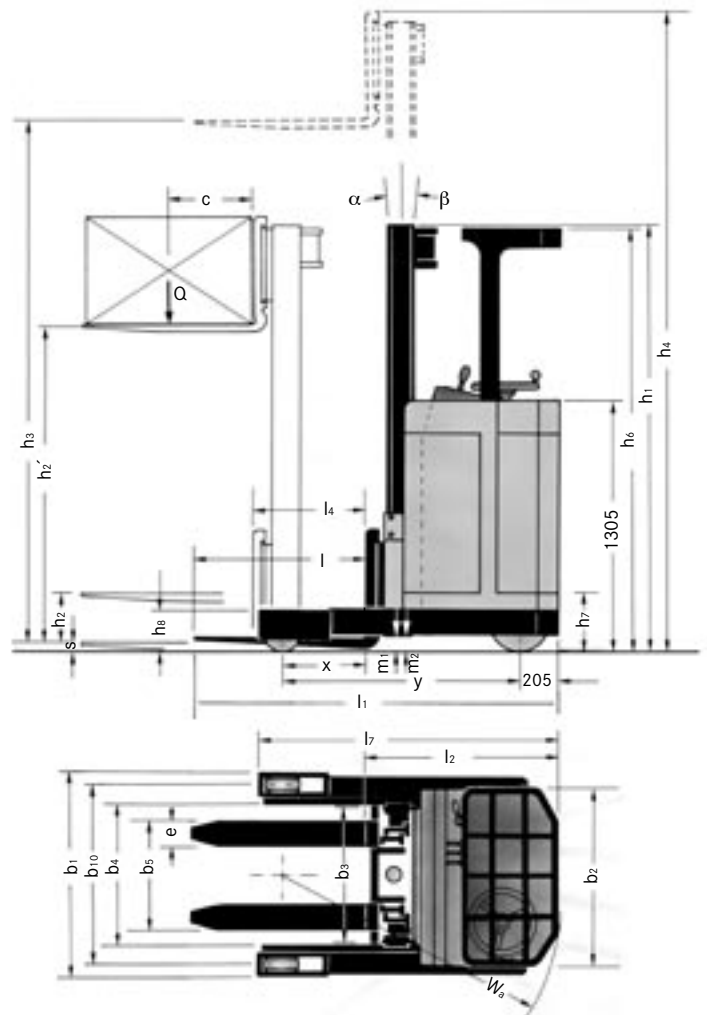
- For multi-shift operation the battery can be changed using a separate changing frame.

Safety.

- Stand-on reach trucks are built to Directive 98 / 37 / EC and carry the CE symbol.
- STILL is certified to ISO 9001.

Optional equipment.

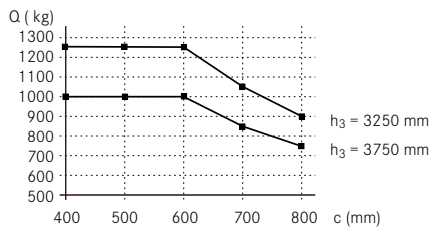
- Reversed steering
- Side shift (on request)



Residual capacity / Load centre.

ESSM 1250.

Telescopic mast, b4 = 740 mm



In accordance with VDI guidelines 2198 / 3597, this specification applies to the standard model only. Alternative tyres, mast types, ancillary equipment, etc. could result in different values.

				STILL	
Characteristics	1.1	Manufacturer			
	1.2	Manufacturer's model designation		ESSM 1250 Telescopic-mast	
	1.3	Power supply (electric, diesel, petrol, gas, mains electric)		electric	
	1.4	Type of control (hand, pedestrian, stand-on, rider seated, order picker)		stand-on	
	1.5	Capacity / load	Q	kg	1250
	1.6	Load centre	c	mm	600
	1.8	Load distance	x	mm	450
	1.9	Wheelbase	y	mm	1260
	Weight	2.1	Weight (inc. battery)		kg 2280
2.4		Axle loadings, forks extended, laden	drive end / load end	kg 250 / 3280	
2.5		Axle loadings, forks retracted, unladen	drive end / load end	kg 1400 / 880	
Wheels / tyres	2.6	Axle loadings, forks retracted, laden	drive end / load end	kg 1040 / 2490	
	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)		Vulkollan	
	3.2	Tyre size	drive end	mm	ø 300 x 100
	3.3	Tyre size	load end	mm	ø 200 x 80
	3.4	Support rollers	drive end	mm	ø 200x50
	3.5	Wheels, number (x = drive wheel)	drive end / load end	mm	1 x -2 / 2
	3.6	Trach width	drive end	b ₁₀	mm 935
Dimensions	3.7	Trach width	load end	b ₁₁	mm 505
	4.1	Tilt angle, mast / carriage	forwards / backwards	degrees	3 / 4
	4.2	Closed mast height	h ₁	mm	2150 / 2400 (2090 / 2340) ⁴⁾
	4.3	Free lift	h ₂	mm	156
	4.3.1	Special free lift (NiHo)	h ₂ ⁷	mm	(1618 / 1868) ⁴⁾
	4.4	Lift height	h ₃	mm	3250 / 3750 (3250 / 3750) ⁴⁾
	4.5	Height mast raised	h ₄	mm	3722 / 4222 (3722 / 4222) ⁴⁾
	4.7	Height to top of overhead guard	h ₆	mm	2350
	4.8	Platform height	h ₇	mm	340
	4.10	Height of straddle legs	h ₈	mm	215
	4.19	Overall length	l ₁	mm	2230
	4.20	Length to front face of forks	l ₂	mm	1080
	4.21	Overall width	b ₁	mm	1050 / 940
	4.22	Fork dimensions	s/e/l	mm	40 / 100 / 1150
	4.23	Fork carriage to DIN 15173, class / form A, B			2 / B
	4.24	Fork carriage width	b ₃	mm	730
	4.25	Overall fork width	b ₅	mm	620
	4.26	Width between straddle legs	b ₄	mm	740
	4.28	Fork reach	l ₄	mm	600
	Performance	4.31	Floor clearance under mast, laden	m ₁	mm
4.32		Floor clearance, centre of wheelbase	m ₂	mm	95
4.33		Working aisle width with 1000 x 1200 pallet crosswise ³⁾	A _{st}	mm	2280
4.34		Working aisle width with 800 x 1200 pallet lengthwise ³⁾	A _{st}	mm	2480
4.35		Outer turning radius	Wa	mm	1490
4.37		Length over straddle legs	l ₇	mm	1625
5.1		Speed	laden / unladen	km / h	7.0 / 8.0
5.2		Lifting speed ²⁾	laden / unladen	m / s	0.16 ¹⁾ / 0.35 ¹⁾
5.3		Lowering speed	laden / unladen	m / s	0.40 / 0.37 ¹⁾
5.4		Reach speed	laden / unladen	m / s	0.14 / 0.16
Electric Motors	5.7	Gradeability ¹⁾	laden / unladen	%	6 / 12
	5.8	Max. gradeability ¹⁾	laden / unladen	%	6 / 12
	5.9	Acceleration time (over 10 m)	laden / unladen	s	7.6 / 7.0
	5.10	Brakes			electric, solenoid brake
	6.1	Drive motor, rating S2 = 60 min.		kW	2.0
	6.2	Hoist motor, rating at S3 = 15%		kW	3.0
Other	6.3	Battery to IEC 254-2; A, B, C, no			IEC 254-2; A
	6.4	Battery voltage, capacity K ₅		V / Ah	24 / 440 L
	6.5	Battery weight + / - 5 % (dependent of manufacturer)		kg	380
	6.6	Energy consumption according to VDI cycle		kWh / h	impulse
	8.1	Drive control			electronic
	8.2	Operating pressure for attachments		bar	140
	8.4	Noise peak at operator's ears		dB (A)	72.8

1) At closed height h₁ = 2150 mm

2) Values determined by wheel pressure and friction. If climbing ramps frequently (within one hour) consult your salesman.

3) VDI 3597

4) NiHo-mast, values in ()

Electric Rider Straddle Stacker EFV.



Frame.

- Robust all-steel frame consisting of drive section and a lifting load section on the version with initial lift. The load section contains the driver's platform and all major assemblies in an easily serviced layout, as well as the battery.
- Battery is not lifted with the load. Energy saving solution.

Four wheel design.

- Favourable weight distribution and reduced point loading – an important feature when working on upper floors and using lifts.

Driver's compartment.

- Generously dimensioned driver's compartment.
- Comfortable seat, adjustable to the driver's weight, with hydraulic damping. The shape of the seat gives firm, fatigue-free support. The cloth covering used gives a pleasant physical sensation.
- Adjustable steering column and seat accommodate setting of the seating position.
- Multiple settings of the seat allow individual adjustment of the seating position.
- Storage facility for working papers and utensils.
- Padded armrest.
- The controls are integrated in the multi-function hand grip and are within easy reach. Switches for direction control, hoist / lower and horn can all be operated without changing the position of the arm.

Steering.

- Electric servo steering, consisting of: steering wheel with spinner knob, cardan shaft and adjustable chain.
- Steering angle is 95° each side.
- The speed of the steer motor is electronically controlled through a sender on the cardan shaft to match the demand.
- Reduced energy requirement because the steering electronics are only activated when steering back-up is required.

Drive.

- The truck can only be driven when the travel release switch is depressed.
- Electronic impulse control fitted as standard.
- The self-ventilated series wound motor does not move with the steering, avoiding stress on cable connections.
- Optimal effectiveness and energy utilisation are provided by spur and bevel gear transmission.

Hydraulics.

- High pressure gear pump driven by an enclosed motor.
- Safe working due to smooth operation of hoist and lower functions.
- Pressure relief valve, lowering valve and line break safety valve protect the hydraulic system.

Initial lift.

Increases ground clearance and allows travel over uneven ground.

Mast.

- Telescopic mast with / without special free lift (NIHO) and Triplex clearview mast with special free lift.
- Due to its slender design there is a clear view past the mast. This means greater safety when stacking and destacking.

Tandem load rollers.

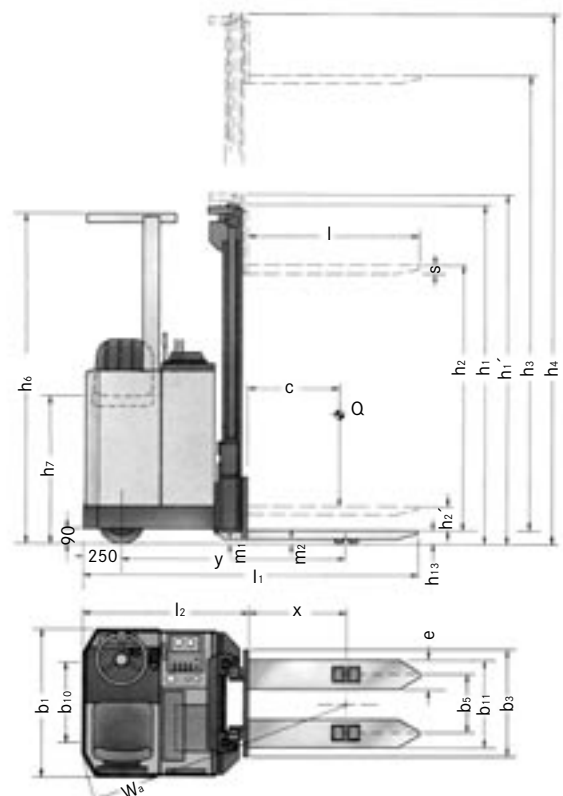
Rocker mounted tandem rollers, in combination with initial lift, give a climbing action – a distinct advantage on uneven floors, through doorways and on loading bridges.

Brakes.

- Hand and foot brake act separately as is customary in vehicles. Both systems operate positively.
- The internal shoe brake, with asbestos free linings, acts on the motor shaft and serves as a service and parking brake.
- "Soft braking" is achieved by plugging.

Combi-instrument.

- Combi-instrument – battery discharge indicator and work hour meter combined with hoist cut-out and LED display.



Battery.

- A section of the hinged truck cover opens to allow the battery to be serviced in the truck.
- For multi-shift operations the roller track mounted battery can be changed using a battery changing frame.

Safety.

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

Optional equipment.

- Initial lift
- Electric servo steering with reverse steering function
- Hoist limits
- Load backrest

In accordance with VDI guidelines 2198 / 3597, this specification applies to the standard model only. Alternative tyres, mast types, ancillary equipment, etc. could result in different values.

				STILL	STILL	STILL	
				EFV 125 ⁸⁾ Telescopic-mast	EFV 160 ⁸⁾ Telescopic-mast	EFV 200 ⁹⁾ Telescopic-mast	
Characteristics	1.1	Manufacturer					
	1.2	Manufacturer's model designation					
	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)		rider seated	rider seated	rider seated	
	1.5	Capacity / load	Q	kg	1250	1600	2000
	1.6	Load centre	c	mm	600 / 500	600 / 500	600 / 500
	1.8	Load distance	x	mm	690	690	680
	1.9	Wheelbase	y	mm	1534	1534	1534
	Weight	2.1	Weight (inc. battery)		kg	1710	1830
2.2		Axle loadings laden ¹⁾²⁾	drive end / load end	kg			
2.3		Axle loadings unladen ¹⁾²⁾	drive end / load end	kg			
Wheels tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)			Vulkollan	Vulkollan	Vulkollan
	3.2	Tyre size	drive end	mm	ø 300 x 100	ø 300 x 100	ø 300 x 100
	3.3	Tyre size	load end	mm	ø 85 x 86.5 ⁷⁾	ø 85 x 86.5 ⁷⁾	ø 85 x 86.5 ⁷⁾
	3.4	Swivel caster roller	drive end	mm	ø 200 x 50	ø 200 x 50	ø 200 x 50
	3.5	Wheels, number (x = drive wheel)	drive end / load end	mm	1 x -3 / 4	1 x -3 / 4	1 x -3 / 4
	3.6	Track width (front)	drive end	b ₁₀ mm	605	605	605
	3.7	Track width (rear)	load end	b ₁₁ mm	380	380	380
Dimensions	4.2	Closed mast height	h ₁	mm	2090 / 2340	2090 / 2340	2280
	4.2.1	Closed mast height with specified free lift h ₂	h ₁ '	mm	2150 / 2400	2150 / 2400	-
	4.3	Free lift	h ₂	mm	156	156	240
	4.3.1	Special free lift (NiHo)	h ₂ '	mm	1618 / 1868	2538 / 1788	-
	4.4	Lift height	h ₃	mm	3250 / 3750	3250 / 3750	3380
	4.5	Height, mast raised	h ₄	mm	3722 / 4222	3802 / 4302	4005
	4.6	Initial lift	h ₅	mm	115	115	115
	4.7	Height to top of overhead guard	h ₆	mm	2150	2150	2150
	4.8	Seat height	h ₇	mm	2150	2150	2150
	4.15	Height lowered	h ₁₃	mm	86	86	91 ⁷⁾
	4.19	Overall length	l ₁	mm	2214 / 1994	2214 / 1994	2224 / 2004
	4.20	Length to front face of forks	l ₂	mm	1094	1094	1094
	4.21	Overall width	b ₁	mm	980	980	980
	4.22	Fork dimensions	s/e/l	mm	56 / 184 / 1120 or 900	64 / 184 / 1120 or 900	91 / 210 / 1120 or 900
	4.24	Fork carriage width	b ₃	mm	680	680	700
4.25	Overall fork width	b ₅	mm	564	564	580	
4.31	Floor clearance under mast, laden	m ₁	mm	30	30	25	
4.32	Floor clearance, centre of wheelbase	m ₂	mm	30 ⁵⁾	24 ⁵⁾	25 ⁸⁾	
4.34	Working aisle width with 800 x 1200 pallet lengthwise	A _{st}	mm	2525 ³⁾⁶⁾	2525 ³⁾⁶⁾	2525 ³⁾⁶⁾	
4.35	Outer turning radius	W _a	mm	1815	1815	1815	
Performance	5.1	Speed	laden / unladen	km/h	7.0 / 8.0	6.7 / 8.0	6.5 / 8.0
	5.2	Lifting speed	laden / unladen	m / s	0.16 / 0.27	0.14 / 0.27	0.10 / 0.15
	5.3	Lowering speed	laden / unladen	m / s	adjustable	adjustable	adjustable
	5.7	Gradeability ⁴⁾ kB 30	laden / unladen	%	6 / 6	6 / 6	6 / 6
	5.8	Max. gradeability ⁴⁾ kB 5	laden / unladen	%	6 / 6	6 / 6	6 / 6
	5.9	Acceleration time (over 10 m)	laden / unladen	s			
Electric Motors	5.10	Brakes			mechanical / hydraulic	mechanical / hydraulic	mechanical / hydraulic
	6.1	Drive motor, rating S2 = 60 min.		kW	2.8	2.8	2.8
	6.2	Hoist motor, rating at S3 = 15%		kW	3.0	3.0	3.0
	6.3	Battery to IEC 254-2; A, B, C, no			IEC 254-2; A	IEC 254-2; A	IEC 254-2; A
	6.4	Battery voltage, capacity K5		V / Ah	24 / 700 L oder 550 L	24 / 700 L oder 550 L	24 / 700 L oder 550 L
	6.5	Battery weight + / - 5 % (dependent of manufacturer)		kg	610 oder 480	610 oder 480	610 oder 480
Other	6.6	Energy consumption according to VDI cycle		kWh / h			
	8.1	Drive control			electronic	electronic	electronic
	8.4	Noise peak at operator's ears		dB (A)			

1) At smallest closed height, with initial lift + 80 kg

2) Values without initial lift

3) Working aisle width A_{st} includes 2 x a / 2 = 200 mm manoeuvring allowance

4) Without initial lift and with uneven crossing max. 6%

5) with initial lift: + 115 mm

6) VDI 3597

7) with initial lift: ø 85 x 60 mm

8) Triplex masts up to h₃ = 5275 mm possible

9) Triplex masts up to h₃ = 4920 mm possible

Pedestrian Forklift Truck EGG.



Steering.

- Light in operation for accurate manoeuvring in tight spaces.
- A gas spring returns the balanced tiller handle quickly back to the vertical braking position when it is released.

Operating controls.

- Forward / reverse drive travel switches and horn button are positioned on the tiller handle, which is fitted with a hand guard.
- Hoist / lower and mast tilt levers are positioned for easy access.
- Key switch and impact emergency stop button are within easy reach.

Safety tiller head.

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

- On trucks equipped for riding, the impact plate is only active in pedestrian mode.

Drive.

- MOSFET pulse controller for comfortable and economical operation.
- The truck will start smoothly and will accelerate evenly up to maximum speed.
- Protects the motor, the gearing and the load.
- Powerful motor with high torque for faster working.
- Higher efficiency due to two stage spur and bevel gear transmission.

Mast.

Clear view single lift mast; Telescopic mast with normal free lift; Telescopic mast with full free lift and Triplex mast.

- Nested I-beam mast sections with the chains running behind, together with externally mounted cylinders, give a clear view through the mast onto the forks and load.

Hydraulic system.

Enclosed motor drives a high pressure gear pump.

- Maximum pressure valve, lowering control valve and hose burst safety valve protect the hydraulic system.

Braking.

A disc brake shielded from dust operates on the motor shaft, with simultaneous shut off of the drive current. Braking is automatic when the tiller is horizontal (deadman braking).

Battery.

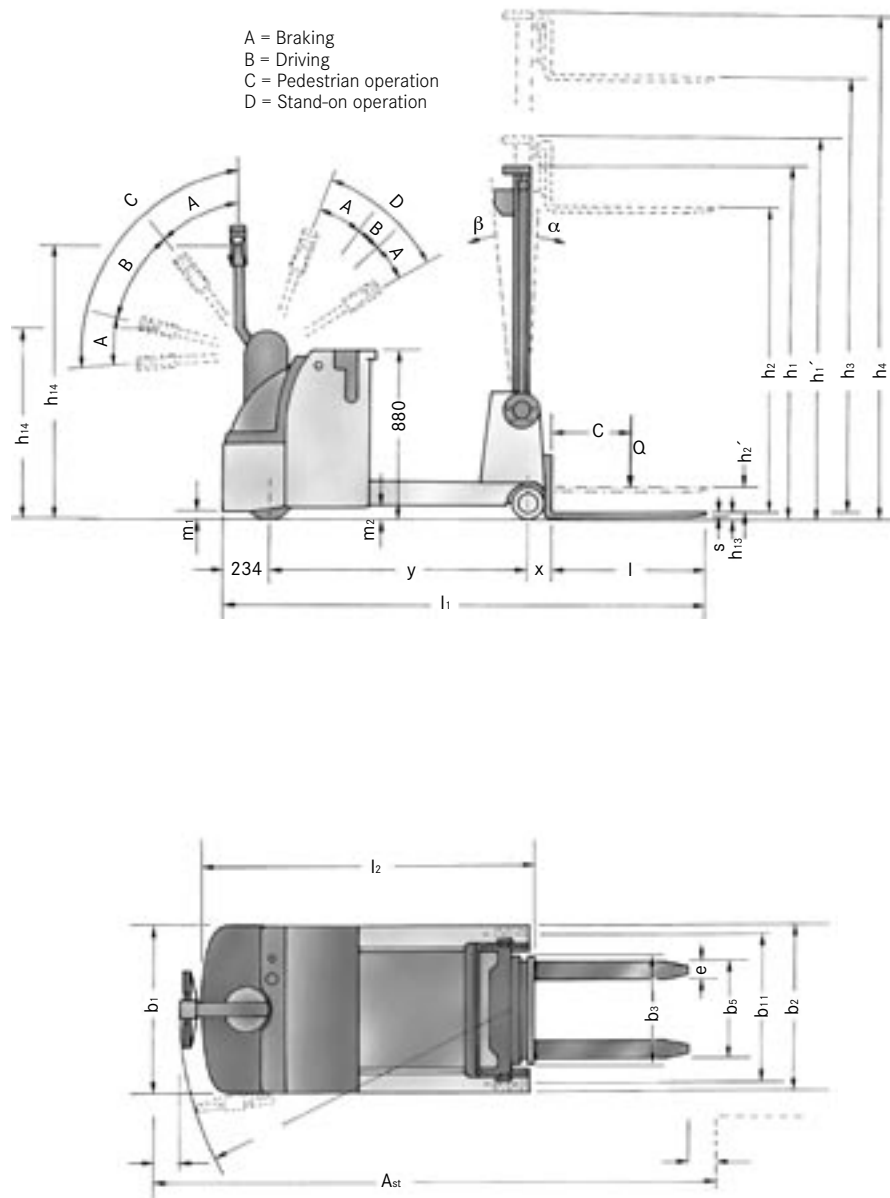
Mounted to allow changing with a hoist, and easily accessible for maintenance.

Safety.

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

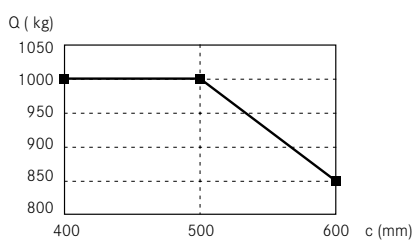
Optional equipment.

- Combi-instrument with work hour meter and battery discharge indicator with hoist cut-out.
- Tele mast with full free lift.
- Triplex mast.
- Rider version: a hinge-back cranked tiller and electrical steering are provided, to allow steering from the stand-on platform.
- Battery compartment with roller track and side door. For multi-shift operation the battery can be pulled out to the side and changed using a battery changing frame.

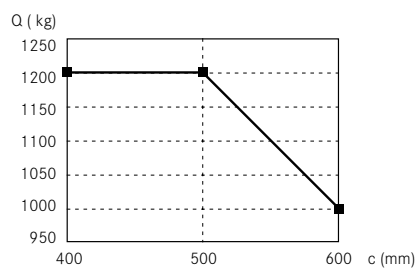


Residual capacity / Load centre.

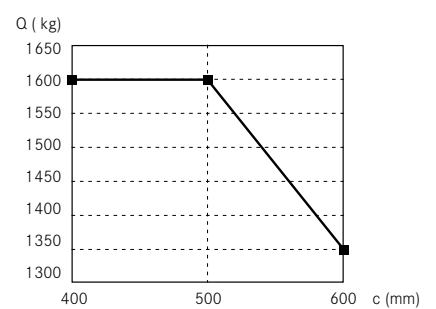
EGG 10.



EGG 12.



EGG 16.



In accordance with VDI guidelines 2198, this specification applies to the standard model only.
Alternative tyres, mast types, ancillary equipment, etc. could result in different values.

			STILL				
			EGG 10 Single lift mast	EGG 10 Telescopic mast	EGG 10 Triplex mast		
Characteristics	1.1	Manufacturer					
	1.2	Manufacturer's model designation					
	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	pedestrian / stand-on	pedestrian / stand-on	
	1.5	Capacity / load	Q	kg	1000	1000	1000
	1.6	Load centre	c	mm	500	500	500
	1.8	Load distance	x	mm	140	140	140
	1.9	Wheelbase	y	mm	1190	1190	1190
	Weight	2.1	Weight (inc. battery)		kg	1915	1915
2.2		Axle loadings laden ^{1) 2)}	drive end / load end	kg	500 / 2415	500 / 2415	500 / 2415
2.3		Axle loadings unladen ^{1) 2)}	drive end / load end	kg	1125 / 790	1125 / 790	1125 / 790
Wheels Tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)			polyurethane	polyurethane	polyurethane
	3.2	Tyre size	drive end	mm	ø 250 x 105	ø 250 x 105	ø 250 x 105
	3.3	Tyre size	load end	mm	ø 85 x 86.5 ⁷⁾	ø 85 x 86.5 ⁷⁾	ø 85 x 86.5 ⁷⁾
	3.4	Support rollers	drive end	mm	ø 180 x 100	ø 180 x 100	ø 180 x 100
	3.5	Wheels, number (x = drive wheel)	drive end / load end	mm	1 x / 2	1 x / 2	1 x / 2
	3.6	Track width (front)	drive end	b ₁₀ mm	0	0	0
	3.7	Trach width (rear)	load end	b ₁₁ mm	780	780	780
Dimensions	4.1	Mast tilt angle ²⁾	forwards / backwards	degrees	1 / 6 (1 / 2)	1 / 6 (1 / 2)	1 / 6 (1 / 2)
	4.2	Closed mast height		h ₁ mm	1525 / 1925	1830 / 2080 / 2330 / 2580 / -	1920 / 1970 / 2070
	4.2.1	Closed mast height specified free lift h ₂		h ₁ ' mm	-	1880 / 2130 / 2380 / 2630 / 2880	-
	4.3	Free lift - normal free lift extended		h ₂ ' mm	899 / 1299	100	-
	4.3.1	Special free lift		h ₂ mm	-	1195 / 1445 / 1695 / 1945 / -	1285 / 1335 / 1435
	4.4	Lift height		h ₃ mm	1075 / 1475	2750 / 3250 / 3750 / 4250 / 4750	4225 / 4375 / 4675
	4.5	Height, mast raised		h ₄ mm	1701 / 2101	3425 / 3925 / 4425 / 4925 / 5425	4900 / 5050 / 5350
	4.9	Height of tiller in drive position ⁴⁾		h ₁₄ mm	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890
	4.15	Height lowered		h ₁₃ mm	40	40	40
	4.19	Overall length		l ₁ mm	2714	2714	2714
	4.20	Length to front face of forks		l ₂ mm	1564	1564	1564
	4.21	Overall width		b ₁ / b ₂ mm	880 / 852	880 / 852	880 / 852
	4.22	Fork dimensions		s / e / l mm	40 / 80 / 1150	40 / 80 / 1150	40 / 80 / 1150
	4.23	Fork carriage to DIN 15173, class / form A, B			2 / B	2 / B	2 / B
	4.24	Fork carriage width		b ₃ mm	620	620	620
4.25	Overall fork width		b ₅ mm	565	565	565	
4.31	Floor clearance under mast, laden		m ₁ mm	40	40	40	
4.32	Floor clearance, centre of wheelbase		m ₂ mm	70	70	70	
4.33	Working aisle width with 1000 x 1200 pallet crosswise ⁵⁾		A _{st} mm	3172 / 3092 / 2912	3172 / 3092 / 2912	3172 / 3092 / 2912	
4.34	Working aisle width with 800 x 1200 pallet lengthwise ⁵⁾		A _{st} mm	3282 / 3202 / 3022	3282 / 3202 / 3022	3282 / 3202 / 3022	
4.35	Outer turning radius		W _a mm	1684 / 1604 / 1424	1684 / 1604 / 1424	1684 / 1604 / 1424	
Performance	5.1	Speed	laden / unladen	km/h	4.3 / 4.6	4.3 / 4.6	4.3 / 4.6
	5.2	Lifting speed	laden / unladen	m / s	0.14 / 0.20	0.14 / 0.20	0.14 / 0.20
	5.3	Lowering speed	laden / unladen	m / s	0.32 / 0.23	0.32 / 0.23	0.32 / 0.23
	5.8	Max. gradeability	laden / unladen	%	10 / 16	10 / 16	10 / 16
	5.9	Acceleration time (over 10 m)	laden / unladen	s	-	-	-
	5.10	Brakes			mechan. solenoid brake	mechan. solenoid brake	mechan. solenoid brake
Electric Motors	6.1	Drive motor, rating S2 = 60 min.		kW	1.0	1.0	1.0
	6.2	Hoist motor, rating at S3 = 15%		kW	3.0	3.0	3.0
	6.3	Battery to IEC 254-2; A, B, C, no			IEC 254-2; A	IEC 254-2; A	IEC 254-2; A
	6.4	Battery voltage, capacity K5		V / Ah	24 / 240 L	24 / 240 L	24 / 240 L
	6.5	Battery weight + / - 5 % (dependent of manufacturer)		kg	220	220	220
	6.6	Energy consumption according to VDI cycle		kWh / h	-	-	-
Other	8.1	Drive control			electronic	electronic	electronic
	8.4	Noise peak at operator's ears		dB (A)	< 70	< 70	< 70

1) At smallest closed height

2) Values in brackets for stand-on operation

3) Free lift h₂ = 100 mm

4) Non-hinge-over tiller / hinge-over-tiller

5) Non-hinge-over tiller / hinge-over-tiller / hinge-over stand-on operation

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

			STILL	STILL	STILL		
			EGG 12 Single lift mast	EGG 12 Single lift mast	EGG 12 Triplex mast		
Characteristics	1.1	Manufacturer					
	1.2	Manufacturer's model designation					
	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	pedestrian / stand-on	pedestrian / stand-on		
	1.5	Capacity / load	Q kg	1200	1200	1200	
	1.6	Load centre	c mm	500	500	500	
	1.8	Load distance	x mm	140	140	140	
	1.9	Wheelbase	y mm	1390	1390	1390	
	Weight	2.1	Weight (inc. battery) ¹⁾	kg	1996	1996	1996
2.2		Axle loadings laden ¹⁾	drive end / load end kg	559 / 2597	559 / 2597	559 / 2597	
2.3		Axle loadings unladen ¹⁾	drive end / load end kg	1186 / 810	1186 / 810	1186 / 810	
Wheels Tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)		polyurethane	polyurethane	polyurethane	
	3.2	Tyre size	drive end mm	ø 250 x 105	ø 250 x 105	ø 250 x 105	
	3.3	Tyre size	load end mm	ø 180 x 100	ø 180 x 100	ø 180 x 100	
	3.5	Wheels, number (x = drive wheel)	drive end / load end	mm	1 x / 2	1 x / 2	1 x / 2
	3.6	Track width (front)	drive end	b ₁₀ mm	0	0	0
	3.7	Track width (rear)	load end	b ₁₁ mm	780	780	780
	Dimensions	4.1	Mast tilt angle ²⁾	forwards / backward degrees	1 / 6 (1 / 2)	1 / 6 (1 / 2)	1 / 6 (1 / 2)
4.2		Closed mast height	h ₁ mm	1525 / 1925	1830 / 2080 / 2330 / 2580 / -	1920 / 1970 / 2070	
4.2.3		Closed mast height ³⁾	specified free lift h ₁ mm	-	1880 / 2130 / 2380 / 2630 / 2880	-	
4.3		Free lift - normal free lift extended	h ₂ mm	899 / 1299	100	-	
4.3.1		Special free lift	h ₂ mm	-	1195 / 1445 / 1695 / 1945 / -	1285 / 1335 / 1435	
4.4		Lift height	h ₃ mm	1075 / 1475	2750 / 3250 / 3750 / 4250 / 4750	4225 / 4375 / 4675	
4.5		Height, mast raised	h ₄ mm	1701 / 2101	3425 / 3925 / 4425 / 4925 / 5425	4900 / 5050 / 5350	
4.9		Height of tiller in drive position ⁴⁾	h ₁₄ mm	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890	
4.15		Height lowered	h ₁₃ mm	40	40	40	
4.19		Overall length	l ₁ mm	2914	2914	2914	
4.20		Length to front face of forks	l ₂ mm	1764	1764	1764	
4.21		Overall width	b ₁ / b ₂ mm	880 / 852	880 / 852	880 / 852	
4.22		Fork dimensions	s / e / l mm	40 / 80 / 1150	40 / 80 / 1150	40 / 80 / 1150	
4.23		Fork carriage to DIN 15173, class / form A, B		2 / B	2 / B	2 / B	
4.24		Fork carriage width	b ₃ mm	620	620	620	
4.25		Overall fork width	b ₅ mm	565	565	565	
Performance		4.31	Floor clearance under mast, laden	m ₁ mm	40	40	40
	4.32	Floor clearance, centre of wheelbase	m ₂ mm	70	70	70	
	4.33	Working aisle width with 1000 x 1200 pallet crosswise ⁵⁾	A _{st} mm	3372 / 3292 / 3112	3372 / 3292 / 3112	3372 / 3292 / 3112	
	4.34	Working aisle width with 800 x 1200 pallet lengthwise ⁵⁾	A _{st} mm	3482 / 3402 / 3222	3482 / 3402 / 3222	3482 / 3402 / 3222	
	4.35	Outer turning radius ⁵⁾	Wa mm	1884 / 1804 / 1624	1884 / 1804 / 1624	1884 / 1804 / 1624	
	5.1	Speed	laden / unladen km / h	4.2 / 4.6	4.2 / 4.6	4.2 / 4.6	
	5.2	Lifting speed	laden / unladen m / s	0.13 / 0.20	0.13 / 0.20	0.13 / 0.20	
	5.3	Lowering speed	laden / unladen m / s	0.32 / 0.23	0.32 / 0.23	0.32 / 0.23	
	5.8	Max. gradeability	laden / unladen %	9 / 16	9 / 16	9 / 16	
	5.9	Acceleration time (over 10 m)	laden / unladen s	-	-	-	
5.10	Brakes		mechan. solenoid brake	mechan. solenoid brake	mechan. solenoid brake		
Electric Motors	6.1	Drive motor, rating S2 = 60 min.	kW	1.0	1.0	1.0	
	6.2	Hoist motor, rating at S3 = 15%	kW	3.0	3.0	3.0	
	6.3	Battery to IEC 254-2; A, B, C, no		IEC 254-2; A	IEC 254-2; A	IEC 254-2; A	
	6.4	Battery voltage, capacity K5	V / Ah	24 / 240 L	24 / 240 L	24 / 240 L	
	6.5	Battery weight + / - 5 % (dependent of manufacturer)	kg	220	220	220	
	6.6	Energy consumption according to VDI cycle	kWh / h	-	-	-	
Other	8.1	Drive control		electronic	electronic	electronic	
	8.4	Noise peak at operator's ears	dB (A)	< 70	< 70	< 70	

1) At smallest closed height

2) Values in brackets for stand-on operation

3) Free lift h₂ = 100 mm

4) Non-hinge-over tiller / hinge-over-tiller

5) Non-hinge-over tiller / hinge-over-tiller / hinge-over stand-on operation

In accordance with VDI guidelines 2198, this specification applies to the standard model only.
Alternative tyres, mast types, ancillary equipment, etc. could result in different values.

			STILL			
			EGG 16 Single lift mast	EGG 16 Telescopic mast	EGG 16 Triplex mast	
Characteristics	1.1	Manufacturer				
	1.2	Manufacturer's model designation				
	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	pedestrian / stand-on	pedestrian / stand-on
	1.5	Capacity / load	Q kg	1600	1600	1600
	1.6	Load centre	c mm	500	500	500
	1.8	Load distance	x mm	140	140	140
	1.9	Wheelbase	y mm	1590	1590	1590
	Weight	2.1	Weight (inc. battery) ¹⁾	kg	2091	2091
2.2		Axle loadings laden ¹⁾	drive end / load end kg	591 / 3100	591 / 3100	591 / 3100
2.3		Axle loadings unladen ¹⁾	drive end / load end kg	1253 / 838	1253 / 838	1253 / 838
Wheels Tyres	3.1	Tyres (rubber, Vulkollan, pneumatic, polyurethane)		polyurethane	polyurethane	polyurethane
	3.2	Tyre size	drive end mm	ø 250 x 105	ø 250 x 105	ø 250 x 105
	3.3	Tyre size	load end mm	ø 230 x 100	ø 230 x 100	ø 230 x 100
	3.5	Wheels, number (x = drive wheel)	drive end / load end	1 x / 2	1 x / 2	1 x / 2
	3.6	Track width (front)	drive end b ₁₀ mm	0	0	0
	3.7	Track width (rear)	load end b ₁₁ mm	805	805	805
	Dimensions	4.1	Mast tilt angle ²⁾	forwards / backwards degrees	1 / 6 (1 / 2)	1 / 6 (1 / 2)
4.2		Closed mast height	h ₁ mm	1525 / 1925	1830 / 2080 / 2330 / 2580 / -	1920 / 1970 / 2070
4.2.3		Closed mast height ³⁾	specified free lift h ₁ ' mm	-	1880 / 2130 / 2380 / 2630 / 2880	-
4.3		Free lift - normal free lift extended	h ₂ ' mm	899 / 1299	100	-
4.3.1		Special free lift	h ₂ mm	-	1195 / 1445 / 1695 / 1945 / -	1285 / 1335 / 1435
4.4		Lift height	h ₃ mm	1075 / 1475	2750 / 3250 / 3750 / 4250 / 4750	4225 / 4375 / 4675
4.5		Height, mast raised	h ₄ mm	1701 / 2101	3425 / 3925 / 4425 / 4925 / 5425	4900 / 5050 / 5350
4.9		Height of tiller in drive position ⁴⁾	h ₁₄ mm	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890	1670 / 870 / 1585 / 890
4.15		Height lowered	h ₁₃ mm	40	40	40
4.19		Overall length	l ₁ mm	3114	3114	3114
4.20		Length to front face of forks	l ₂ mm	1964	1964	1964
4.21		Overall width	b ₁ / b ₂ mm	905 / 852	905 / 852	905 / 852
4.22		Fork dimensions	s / e / l mm	40 / 100 / 1150	40 / 100 / 1150	40 / 100 / 1150
4.23		Fork carriage to DIN 15173, class / form A, B		2 / B	2 / B	2 / B
4.24		Fork carriage width	b ₃ mm	620	620	620
4.25	Overall fork width	b ₅ mm	565	565	565	
4.31	Floor clearance under mast, laden	m ₁ mm	40	40	40	
4.32	Floor clearance, centre of wheelbase	m ₂ mm	70	70	70	
4.33	Working aisle width with 1000 x 1200 pallet crosswise ⁵⁾	A _{st} mm	3572 / 3492 / 3312	3572 / 3492 / 3312	3572 / 3492 / 3312	
4.34	Working aisle width with 800 x 1200 pallet lengthwise ⁵⁾	A _{st} mm	3682 / 3602 / 3422	3682 / 3602 / 3422	3682 / 3602 / 3422	
4.35	Outer turning radius ⁵⁾	Wa mm	2084 / 2004 / 1824	2084 / 2004 / 1824	2084 / 2004 / 1824	
Performance	5.1	Speed	laden / unladen km / h	4.2 / 4.6	4.2 / 4.6	4.2 / 4.6
	5.2	Lifting speed	laden / unladen m / s	0.11 / 0.20	0.11 / 0.20	0.11 / 0.20
	5.3	Lowering speed	laden / unladen m / s	0.32 / 0.23	0.32 / 0.23	0.32 / 0.23
	5.8	Max. gradeability	laden / unladen %	7.5 / 15	7.5 / 15	7.5 / 15
	5.9	Acceleration time (over 10 m)	laden / unladen s	-	-	-
	5.10	Brakes		mechan. solenoid brake	mechan. solenoid brake	mechan. solenoid brake
Electric Motors	6.1	Drive motor, rating S2 = 60 min.	kW	1.0	1.0	1.0
	6.2	Hoist motor, rating at S3 = 15%	kW	3.0	3.0	3.0
	6.3	Battery to IEC 254-2; A, B, C, no		IEC 254-2; A	IEC 254-2; A	IEC 254-2; A
	6.4	Battery voltage, capacity K _S	V / Ah	24 / 240 L	24 / 240 L	24 / 240 L
	6.5	Battery weight + / - 5 % (dependent of manufacturer)	kg	220	220	220
	6.6	Energy consumption according to VDI cycle	kWh / h	-	-	-
Other	8.1	Drive control		electronic	electronic	electronic
	8.4	Noise peak at operator's ears	dB (A)	< 70	< 70	< 70

- 1) At smallest closed height
- 2) Values in brackets for stand-on operation
- 3) Free lift h₂' = 100 mm
- 4) Non-hinge-over tiller / hinge-over-tiller
- 5) Non-hinge-over tiller / hinge-over-tiller / hinge-over stand-on operation

Equipment summary.

		STILL	STILL
Driver's compartment	Manufacturer	ESSM	EFV
	Manufacturer's model designation	ESSM	EFV
	Generously dimensioned driver's compartment, ergonomic layout	●	●
	Seat with hydraulic damping, adjustable to driver's weight		●
	Adjustable rake steering column and longitudinal seat adjustment		●
	Control of the drive direction through direction control switch		●
	Hydraulic functions operated by valve levers	●	●
	Padded armrest		●
	Display of active operating status and service instructions		
	- Ready for operation - Hand brake on / off - Expanded visual displays	●	●
Steering	Steering by steering wheel, cardan shaft and adjustable chain	●	●
	Electric servo steering		●
	Hydraulic servo steering		
Mast	Steering stop 95° to each side	●	●
	Clear view masts, integral hoist cylinders	●	●
Frame	Running guide rail for reach carriage can be replaced	●	
	Load wheels with transverse position (4 way)		
	Load wheel cover		
Hydr.	Sensitive, smooth control of the hydraulic movements	●	●
	Hydraulic oil flow regulation independent of pressure	●	
	Hoist pulse control		
Drive	Electronic pulse control, smooth starting, acceleration to max. speed	●	●
	Fixed drive motor		●
	Truck ready for operation when foot switch is depressed (deadman principle)	●	●
Brakes	Service brake acts on the motor shaft and load wheels		
	Parking brake acts on the drive wheel	●	●
Combi-instrument	Combi-instrument with battery discharge indicator and work hour meter combined with lift cut-out and LED display	●	●
Battery	All battery cells are freely accessible for maintenance	●	●
	Battery changing to the side	●	●
	Battery changing using a hoist		
Auxiliary equipment	- Reverse steering	○	○
	- Armrest with hinged cover		
	- Reach and lowering interlock when handling pallets		
	- Hoist limiter		○
	- Flashing light		
	- Working spotlight		
	- Load wheel cover		
	- Hoist pulse controller		
	- Load back rest		○
	- Overhead guard (Macrolon / mesh grill / perforated plate cover)		
	- Mast side shift		
	- Mast reach cut-out		
	- Side shifter		
	- Auxiliary hydraulics		
- Various Attachments on request			
- Display: Extended visual display for drive direction F / R, inching, motor brush check			

● Standard ○ Option



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