RCE Technical Data
Electric Forklift Truck

RCE 15

RCE 16

RCE 20

RCE 16P

RCE 20P



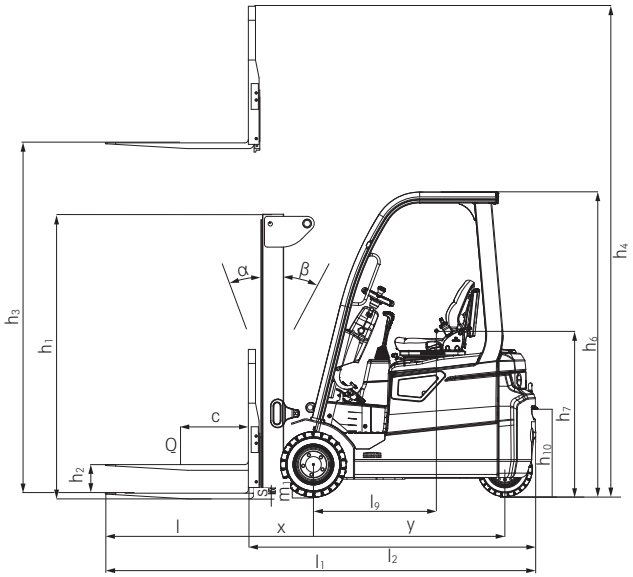
Li-Ion INSIDE

RCE Electric Forklift Truck
Simply fits.

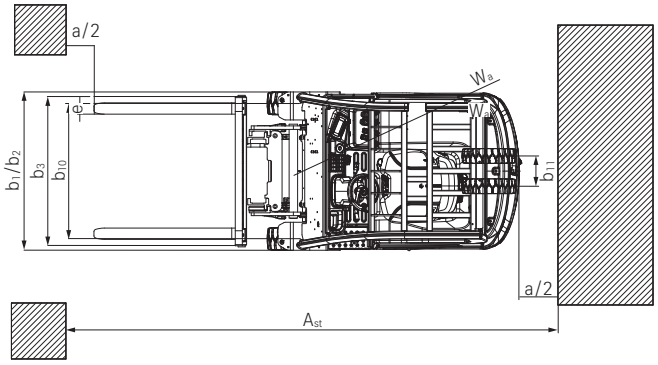
This specification sheet, which conforms to VDI Guideline 2198, provides the technical values for the standard equipment only.
Different tyres, other masts, the use of accessories, etc. may result in other values.



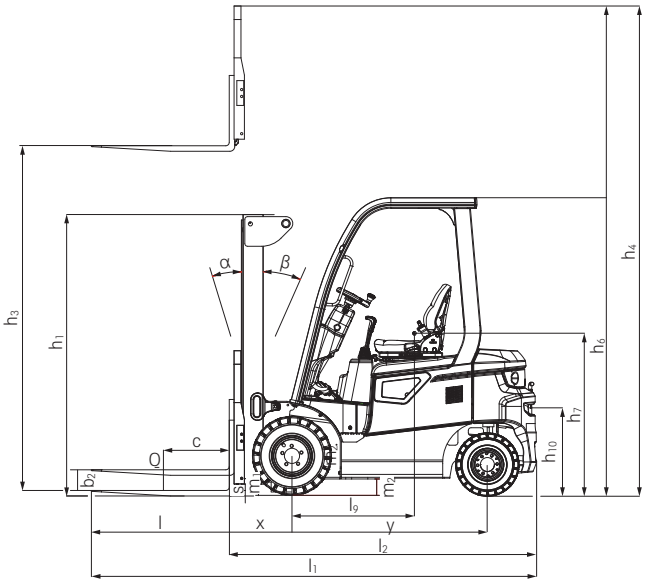
Features	1.1	Manufacturer				STILL	STILL	STILL	STILL	STILL
	1.2	Manufacturer's type designation				**RCE 15 Li-Ion**	**RCE 16 Li-Ion**	**RCE 20 Li-Ion**	**RCE 16P Li-Ion**	**RCE 20P Li-Ion**
	1.2.1	Manufacturer type number				5430	5431	5433	5434	5436
	1.3	Drive				Electric	Electric	Electric	Electric	Electric
	1.4	Operation				Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity/load		Q	kg	1500	1600	2000	1600	2000
	1.6	Load centre distance		c	mm	500	500	500	500	500
	1.8	Load distance		x	mm	360	360	360	425	425
	1.9	Wheel base		y	mm	1340	1340	1370	1405	1405
Weights	2.1	Service weight (incl. battery)			kg	2995	3099	3515	3050	3455
	2.2	Axle load, laden	front/rear		kg	3942/533	4101/604	4824/695	4110/540	4772/683
	2.3	Axle load, unladen	front/rear		kg	1527/1468	1444/1655	1549/1966	1457/1593	1431/2024
Wheels	3.1	Tyres				Superelastic	Superelastic	Superelastic	Superelastic	Superelastic
	3.2	Tyre size	front			180/70-8 (18X7-8)	180/70-8 (18X7-8)	200/50-10	6.50-10	225/75-10 (23X9-10)
	3.3	Tyre size	rear			15X4 1/2-8 (125/75-8)	15X4 1/2-8 (125/75-8)	16X6-8 (150/75-8)	5.00-8	5.00-8
	3.5	Number of wheels (x = driven)	front/rear			2X/2	2X/2	2X/2	2X/2	2X/2
	3.6	Track width	front	b_{10}	mm	948	948	978	932	998
	3.7	Track width	rear	b_{11}	mm	216	216	220	900	900
Basic dimensions	4.1	Tilt of mast	front/rear	α/β	°	6/7	6/7	6/7	6/10	6/10
	4.2	Height of mast	mast retracted	h_1	mm	2050	2050	2050	2062	2066
	4.3	Free lift		h_2	mm	150	150	150	150	150
	4.4	Lift		h_3	mm	3000	3000	3000	3000	3000
	4.5	Height of mast	mast extended	h_4	mm	4040	4040	4040	4040	4040
	4.7	Height to top of overhead guard (cab)		h_6	mm	2130	2130	2130	2150	2150
	4.8	Seat height rel. to SIP		h_7	mm	1154	1154	1154	1172	1172
	4.12	Coupling height		h_{10}	mm	583	583	596	618	617
	4.19	Total length		l_1	mm	3125	3125	3160	3364	3399
	4.20	Length including fork backs		l_2	mm	1925	1925	1960	2164	2199
	4.21	Total width		b_1/b_2	mm	1120	1120	1180	1120	1220
	4.22	Fork dimensions ISO 2331		s/e/l	mm	40/80/1000	40/80/1000	40/100/1000	40/80/1200	40/100/1200
	4.23	Fork carriage ISO 2338, class/form A, B				2A	2A	2A	2A	2A
	4.24	Fork carriage width		b_3	mm	1040	1040	1040	1040	1040
	4.31	Ground clearance below mast, laden		m_1	mm	90	90	96	99	103
	4.32	Ground clearance, centre of wheel base		m_2	mm	100	100	106	110	114
	4.33	Working aisle width with 1000 x 1200 pallet crossways		A_{st}	mm	3251	3251	3296	3475	3545
	4.34	Working aisle width with 800 x 1200 pallet lengthways		A_{st}	mm	3375	3375	3420	3675	3745
	4.35	Turning radius		W_a	mm	1565	1565	1610	1850	1920
	4.36	Minimum pivot point distance		b_{13}	mm	–	–	–	536	536
Performance data	5.1	Travel speed	with/without load		km/h	16/16	16/16	16/16	15/15	15/15
	5.2	Lifting speed	with/without load		m/s	0.40/0.55	0.40/0.55	0.32/0.50	0.38/0.47	0.31/0.47
	5.3	Lowering speed	with/without load		m/s	0.45/0.46	0.43/0.50	0.42/0.46	0.44/0.47	0.42/0.48
	5.5	Drawbar pull	with/without load		N	3800/4100	3800/4100	3600/3900	2900/3200	2700/3000
	5.6	Max. drawbar pull	with/without load		N	11500/8100	11500/8000	11300/8200	11400/7400	11200/7200
	5.7	Gradeability	with/without load		%	13.4/21.2	12.8/20.5	10.7/18.0	11.5/18.6	9.4/15.9
	5.8	Max. gradeability	with/without load		%	18/20	18/20	18/20	18/20	18/20
	5.9	Acceleration time			s	5.8/5.2	5.9/5.3	6.4/5.5	5.9/5.2	6.2/5.1
	5.10	Service brake				Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Electric engine	6.1	Drive motor, rating S2 60 min			kW	2X4.6	2X4.6	2X4.6	2X4.6	2X4.6
	6.2	Lifting motor, rating at S3 15%			kW	11.5	11.5	11.5	11.5	11.5
	6.4	Battery voltage		U	V	80	80	80	80	80
	6.4.1	Battery capacity K_5			Ah	228	228	228	228	228
	6.5	Battery weight			kg	210	210	210	210	210
	6.6	Energy consumption as per DIN EN 16796			kWh/h	4.3	4.4	5.5	4.5	5.4
	6.7	Handling capacity			t/h	111	120	146	114	144
	6.8	Energy consumption at handling capacity			t/kWh	18	19	22	22	25
Misc.	10.1	Operating pressure for attachments			bar	150	160	185	160	185
	10.2	Oil volume for attachments			l/min	22	22	22	22	22
	10.7	Sound pressure level L_{pAZ} (driver's seat)			dB(A)	≤68	≤68	≤68	≤68	≤68



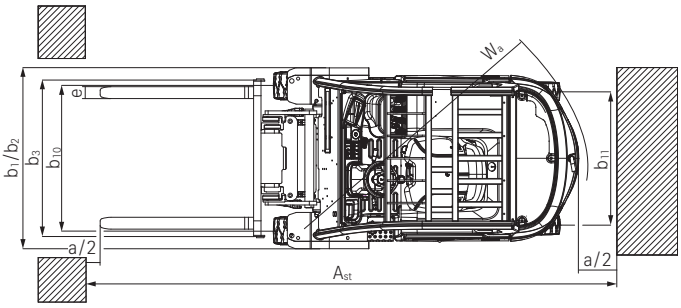
RCE 20 side view



RCE 20 top view



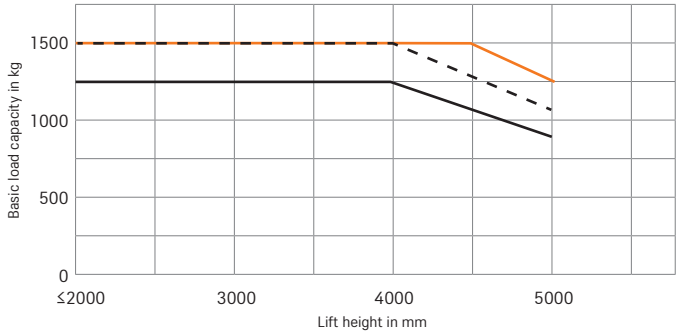
RCE 20P side view



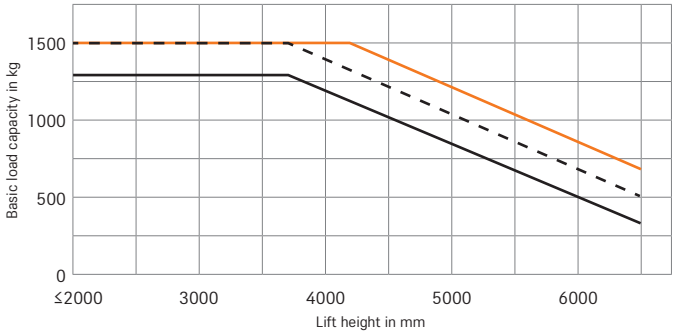
RCE 20P top view

Basic Load Capacities

RCE 15
Telescopic/HiLo mast – superelastic tyres



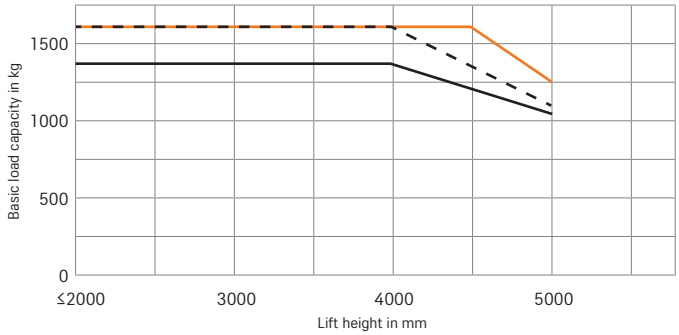
RCE 15
Triplex mast – superelastic tyres



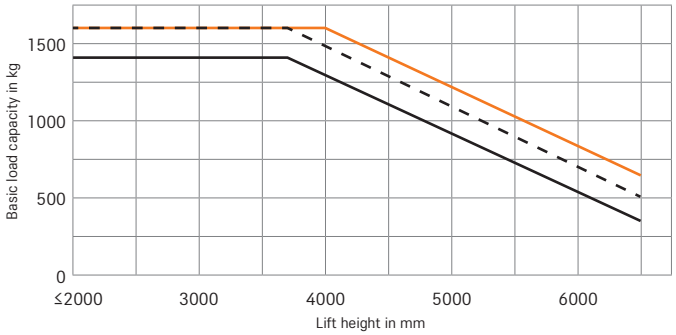
Standard fork carriage Integrated side shifter Fitted side shifter c = 500 mm
Values may vary depending on the truck equipment.

RCE Electric Forklift Truck
Basic Load Capacities

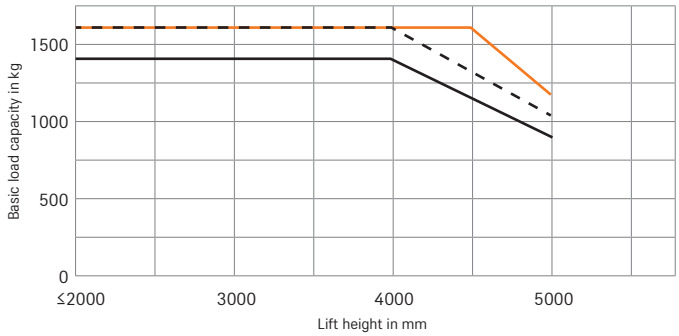
RCE 16
Telescopic/HiLo mast – superelastic tyres



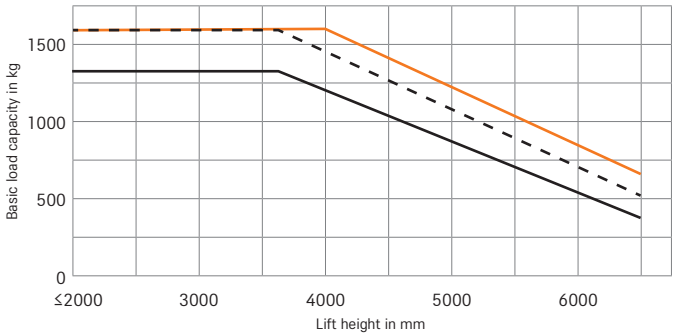
RCE 16
Triplex mast – superelastic tyres



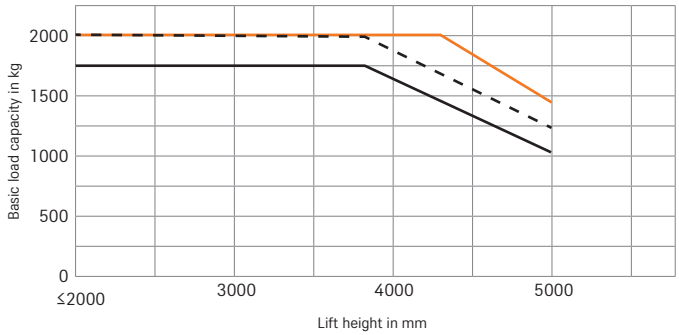
RCE 16P
Telescopic/HiLo mast – superelastic tyres



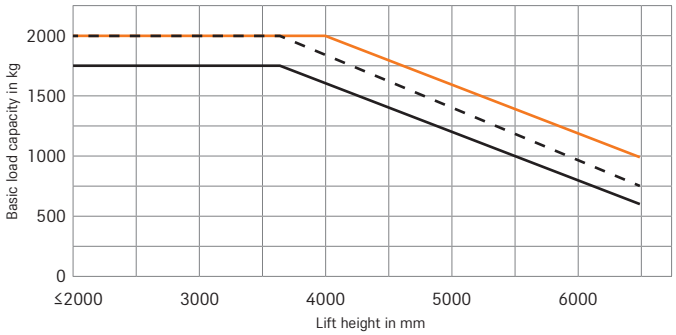
RCE 16P
Triplex mast – superelastic tyres



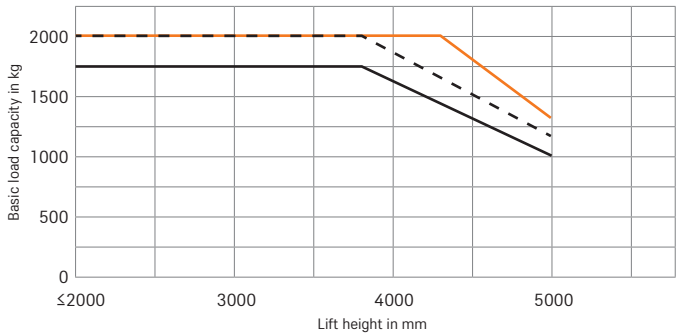
RCE 20
Telescopic/HiLo mast – superelastic tyres



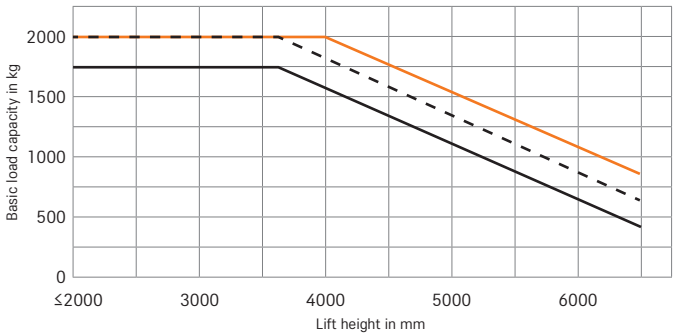
RCE 20
Triplex mast – superelastic tyres



RCE 20P
Telescopic/HiLo mast – superelastic tyres



RCE 20P
Triplex mast – superelastic tyres



Standard fork carriage Integrated side shifter Fitted side shifter c = 500 mm
Values may vary depending on the truck equipment.



RCE 15/RCE 16

				Telescopic mast						HiLo mast				Triplex mast							
Nominal lift		h_3	mm	3000	3300	3500	4000	4500	5000	3000	3300	3500	4000	4250	4550	4700	4850	5000	5500	6000	6500
Height		h_1	mm	2050	2200	2300	2550	2800	3100	2015	2165	2265	2515	2015	2115	2165	2215	2265	2515	2765	3015
Free lift		h_2	mm	150	150	150	150	150	150	1525	1675	1775	2025	1525	1625	1675	1725	1775	2025	2275	2525
Free lift with load backrest		h_2	mm	150	150	150	150	150	150	990	1140	1240	1490	990	1090	1140	1190	1240	1490	1740	1990
Height, mast extended		h_4	mm	3510	3810	4010	4510	5010	5510	3510	3810	4010	4510	4760	5060	5211	5360	5510	6010	6510	7010
Height, mast extended, with load backrest		h_4	mm	4040	4340	4540	5040	5540	6040	4040	4340	4540	5040	5290	5590	5740	5890	6040	6540	7040	7540
Tilt angle	forwards	α	°	6						6				6							
Tilt angle	backwards	β	°	7						7				7							
Fork lock-in position centre-centre			mm	124/280/436/592/748/904						124/280/436/592/748/904				124/280/436/592/748/904							
Fork lock-in position centre-centre (fitted side shifter)			mm	124/280/436/5921/748/879						124/280/436/5921/748/879				124/280/436/5921/748/879							
Tyres	front/rear			15X4 1/2-8//18X7-8						15X4 1/2-8//18X7-8				15X4 1/2-8//18X7-8							
Track	front/rear		mm	948/261						948/261				948/261							
Maximum width			mm	1120						1120				1120							

RCE 16P

				Telescopic mast						HiLo mast				Triplex mast							
Nominal lift		h_3	mm	3000	3300	3500	4000	4500	5000	3000	3300	3500	4000	4250	4550	4700	4850	5000	5500	6000	6500
Height		h_1	mm	2060	2210	2310	2560	2810	3110	2025	2175	2275	2525	2025	2125	2175	2225	2275	2525	2775	3025
Free lift		h_2	mm	150	150	150	150	150	150	1525	1675	1775	2025	1525	1625	1675	1725	1775	2025	2275	2525
Free lift with load backrest		h_2	mm	150	150	150	150	150	150	990	1140	1240	1490	990	1090	1140	1190	1240	1490	1740	1990
Height, mast extended		h_4	mm	3510	3810	4010	4510	5010	5510	3510	3810	4010	4510	4760	5060	5210	5360	5510	6010	6510	7010
Height, mast extended, with load backrest		h_4	mm	4040	4340	4540	5040	5540	6040	4040	4340	4540	5040	5290	5590	5740	5890	6040	6540	7040	7540
Tilt angle	forwards	α	°	6			6			6			6	6							
Tilt angle	backwards	β	°	10			7			10			7	7							
Fork lock-in position centre-centre			mm	124/280/436/592/748/904						124/280/436/592/748/904				124/280/436/592/748/904							
Fork lock-in position centre-centre (fitted side shifter)			mm	124/280/436/5921/748/879						124/280/436/5921/748/879				124/280/436/5921/748/879							
Tyres	front/rear			6.50-10//5.00-8/3.50						6.50-10//5.00-8/3.50				6.50-10//5.00-8/3.50							
Track	front/rear		mm	932/900						932/900				932/900							
Maximum width			mm	1120						1120				1120							

RCE 20

				Telescopic mast						HiLo mast				Triplex mast							
Nominal lift		h_3	mm	3000	3300	3500	4000	4500	5000	3000	3300	3500	4000	4250	4550	4700	4850	5000	5500	6000	6500
Height		h_1	mm	2050	2200	2300	2550	2800	3100	2015	2165	2265	2515	2015	2115	2165	2215	2265	2515	2765	3015
Free lift		h_2	mm	150	150	150	150	150	150	1385	1535	1635	1885	1385	1485	1535	1585	1635	1885	2135	2385
Free lift with load backrest		h_2	mm	150	150	150	150	150	150	990	1140	1240	1490	990	1090	1140	1190	1240	1490	1740	1990
Height, mast extended		h_4	mm	3650	3950	4150	4650	5150	5650	3650	3950	4150	4650	4900	5200	5350	5500	5650	6150	6650	7150
Height, mast extended, with load backrest		h_4	mm	4040	4340	4540	5040	5540	6040	4040	4340	4540	5040	5290	5590	5740	5890	6040	6540	7040	7540
Tilt angle	forwards	α	°	6			6			6			6	6							
Tilt angle	backwards	β	°	10			7			10			7	7							
Fork lock-in position centre-centre			mm	124/280/436/592/748/904						124/280/436/592/748/904				124/280/436/592/748/904							
Fork lock-in position centre-centre (fitted side shifter)			mm	124/280/436/5921/748/879						124/280/436/5921/748/879				124/280/436/5921/748/879							
Tyres	front/rear			16X6-8//200/50-10						16X6-8//200/50-10				16X6-8//200/50-10							
Track	front/rear		mm	978/220						978/220				978/220							
Maximum width			mm	1180						1180				1180							

RCE 20P

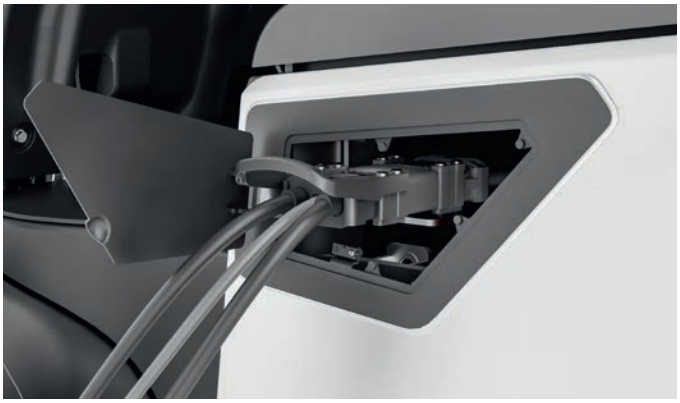
				Telescopic mast						HiLo mast				Triplex mast							
Nominal lift		h_3	mm	3000	3300	3500	4000	4500	5000	3000	3300	3500	4000	4250	4550	4700	4850	5000	5500	6000	6500
Height		h_1	mm	2070	2220	2320	2570	2820	3120	2035	2185	2285	2535	2035	2135	2185	2235	2285	2535	2785	3035
Free lift		h_2	mm	150	150	150	150	150	150	1385	1535	1635	1885	1385	1485	1535	1585	1635	1885	2135	2385
Free lift with load backrest		h_2	mm	150	150	150	150	150	150	990	1140	1240	1490	990	1090	1140	1190	1240	1490	1740	1990
Height, mast extended		h_4	mm	3650	3950	4150	4650	5150	5650	3650	3950	4150	4650	4900	5200	5350	5500	5650	6150	6650	7150
Height, mast extended, with load backrest		h_4	mm	4040	4340	4540	5040	5540	6040	4040	4340	4540	5040	5290	5590	5740	5890	6040	6540	7040	7540
Tilt angle	forwards	α	°	6			6			6			6	6							
Tilt angle	backwards	β	°	10			7			10			7	7							
Fork lock-in position centre-centre			mm	124/280/436/592/748/904						124/280/436/592/748/904				124/280/436/592/748/904							
Fork lock-in position centre-centre (fitted side shifter)			mm	124/280/436/5921/748/879						124/280/436/5921/748/879				124/280/436/5921/748/879							
Tyres	front/rear			23X9-10//5.00-8/3.50						23X9-10//5.00-8/3.50				23X9-10//5.00-8/3.50							
Track	front/rear		mm	998/900						998/900				998/900							
Maximum width			mm	1220						1220				1220							



Easier to manoeuvre and more compact: the three-wheel forklift truck moves safely even in the tightest of spaces



Compact and stable: the four-wheel forklift truck impresses with stability and safety, even on uneven ground



Charging made easy: the standard lithium-ion technology with lateral quick-charging access enables convenient charging



Everything at a glance: all relevant information is compiled in an easily legible format on the large colour display



Flexible and comfortable: thanks to continuous adjustability, the driver's seat and steering column can be customised quickly and easily



Everything safely in view: the slender triplex mast provides optimum visibility and lifts loads to a height of up to 6.5 metres



See and be seen with the lighting system that can optionally be customised



Ideal for outdoor use: with generous ground clearance and an optional enclosed driver's cab for reliable protection from harsh weather conditions


STILL
STILL



Simply easy

- Ideal for confined spaces: extremely compact and manoeuvrable electric forklift truck with a minimum width of just 1,120 mm
- Efficient, fatigue-free operation thanks to the ergonomically and intuitively designed operator's cab, where all control elements are in the field of vision and can be reached easily
- Ergonomic leg position and ample room to move in the footwell
- Precise load handling and sensitive steering thanks to the intuitive single-pedal operation and the tried-and-tested STILL multi-lever hydraulics operation
- Clear view for efficiency and safety: large all-round windows and narrow roof guards provide full visibility from the driver's seat
- High level of handling performance and safety thanks to the large colour display, which clearly displays important information such as driving direction, battery level and driving programme

Simply powerful

- Efficiency in the warehouse: the RCE 15-20 Li-Ion can lift up to 2.0 tonnes with a load centre of 500 mm and particularly economical energy consumption
- Impressive goods handling thanks to powerful, low maintenance motors, a lifting height of up to 6.5 metres, as well as a maximum driving speed of 16 km/h – all with excellent manoeuvrability
- Powerful and efficient even in tough environments thanks to front-wheel drive and encapsulated, maintenance-free 80 V AC drive motor
- Robust, long-lasting and low-maintenance: tough materials are used for exposed components (steel instead of plastic), and there are additional covers for sensitive elements such as lights or lamps
- Also ideally suited to outdoor use thanks to high ground clearance and an optional closed operator's cab for reliable protection against harsh weather conditions

Simply safe

- Safe load handling thanks to bend-proof and torsion-resistant mast profiles
- High stability due to the truck's low centre of gravity
- Safe driving with Curve Speed Control driver assistance function
- Comfortable getting on and off thanks to the grab handle and non-slip step edges
- See and be seen: the RCE 15-20 Li-Ion can optionally be equipped with additional safety features such as a glass roof, sun visor, Safety Light or Safety Zone Light
- Quick and safe fastening and unfastening thanks to the optional EasyBelt restraint system
- Comfortable in every direction: the rear grab handle with integrated horn button ensures optimum safety and an ergonomic posture even when reversing

Simply flexible

- Individual workplace set-up thanks to spacious storage areas and a continuously adjustable steering column
- Driver comfort and ergonomic working: the workstation can be flexibly adjusted to different operating conditions
- Safe and situational load handling with the sensitive multi-lever hydraulics operation
- Convenient interim charging at any time thanks to lithium-ion and lateral quick-charging access

Simply connected

- Fast service analysis and parametrisation of settings thanks to CAN bus interface



RCE Electric Forklift Truck
Simply fits.

Impressively manoeuvrable: with its compact dimensions, the RCE is unmatched even in the smallest of spaces

Get in and get going: the intuitive operating concept and ergonomically designed workspace ensure maximum comfort and ease of use

Safety without compromise: high levels of safety and all-round visibility ensure the best possible protection for people, vehicles and goods



Do you want a partner who is there when needed, is easy to work with and gets things done quickly? Look no further – the RCE 15-20 is just what you've been looking for. The compact three and four-wheel electric forklift truck handles occasional transport and stacking tasks either indoors or outdoors in no time – for online retailers and wholesalers, in DIY stores or in the workshop. It impresses with its robust design, efficiency and impressive manoeuvrability. With its good all-round visibility, safety is at the forefront when it comes to transporting goods. Thanks to li-ion batteries, you also benefit from decentralised interim charging and a convenient lateral quick charging access. Plus, with the RCE 15-20, even the buying process is simple: it is available at short notice, can also be ordered online, guaranteed with the customary STILL quality and with the reliable STILL service – and at an attractive price. So we would say: it simply fits.



Equipment Variants

		RCE 15/16/20	RCE 16P/20P
Operator's cab	Weather protection or full cab with windscreen wiper/washer system	○	○
	Built-in storage	●	●
	Colour display (splash-proof)	●	●
	Writing pad with clipboard (portable)	○	○
	MSG 65 Grammer seat with leatherette cover	●	●
	Seat with textile cover, height-adjustable back extension	○	○
	Grab handle on front of protected roof	●	●
	Grab handle on back of protective roof with horn	○	○
	Electric heating	○	○
Mast	Telescopic, HiLo or triplex free-view mast	○	○
	Load backrest	○	○
	Fork wear protection	○	○
Tyres	Superelastic, single tyres, SIT system	●	●
	Superelastic, natural coloured, single tyres, SIT system	○	○
Hydraulics	Multi-lever operation	●	●
	Multi-lever operation with clamp release	○	○
Drive	Operating costs kept low thanks to low energy consumption and long service intervals	●	●
	Maintenance-free drives for driving, steering and lifting; components enclosed to protect against dust and moisture	●	●
	Lithium-ion battery	●	●
	Lateral quick-charge access	●	●
Brake	Ergonomic, foot-operated parking brake	●	●
	Energy recovery when braking	●	●
Safety	Low centre of gravity and steering axle with high self-aligning bearing for optimum safety	●	●
	EasyBelt restraint system for quick and safe fastening and unfastening	○	○
	Headlights and LED lighting performance	○	○
	Speed limiter can be adjusted by service	●	●
	Safety Light warning device	○	○
	Curve Speed Control	○	○
	Panoramic mirror	○	○
	Intelligent seat belt control	●	●
	Safety Zone Light: warning light bars to the left and right of the truck	○	○

● Standard ○ Option — Not available

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

RCE 15-20 EN 07/26 Subject to technical modifications.