



RX 60 Technical Data

Electric Forklift Truck



RX 60-25

RX 60-25/600

RX 60-25L

RX 60-25L/600

RX 60-30

RX 60-30L

RX 60-30L/600

RX 60-35



RX 60-25/35 Electric Forklift Truck
Emissions-free efficiency for every use

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.



Distinguishing marks	1.1	Manufacturer			STILL					
	1.2	Manufacturer's type designation			RX 60-25	RX 60-25/600	RX 60-25 L	RX 60-25L/600	RX 60-30	RX 60-30L
	1.2.1	Manufacturer model number			6345	6346	6347	6348	6353	6354
	1.3	Drive			Electro	Electro	Electro	Electro	Electro	Electro
	1.4	Operation			Seated	Seated	Seated	Seated	Seated	Seated
Weights	1.5	Nominal load capacity/load	Q	kg	2500	2500	2500	2500	3000	3000
	1.6	Load centre distance	c	mm	500	600	500	600	500	600
	1.8	Load spacing	x	mm	445	450	445	450	465	465
	1.9	Wheel base	y	mm	1595	1595	1740	1740	1650	1740
	2.1	Weight incl. battery		kg	4585	4840	4887	4919	5104	5049
Types/chassis	2.2	Axle weight with load	front/rear	kg	6287/798	6502/838	6321/1066	6514/905	7274/830	7246/803
	2.3	Axle weight without load	front/rear	kg	2306/2279	2356/2484	2463/2424	2505/2414	2519/2585	2582/2467
	3.1	Tyres			Superelastic	Superelastic	Superelastic	Superelastic	Superelastic	Superelastic
	3.2	Tyre size	front	mm	225/75-10 (23 x 9-10)	225/75-10 (23 x 9-10)	225/75-10 (23 x 9-10)	225/75-10 (23 x 9-10)	250/60-12 (23 x 10-12)	250/60-12 (23 x 10-12)
	3.2	Tyre size	rear	mm	180/70-8 (18 x 7-8)	180/70-8 (18 x 7-8)	180/70-8 (18 x 7-8)	180/70-8 (18 x 7-8)	180/70-8 (18 x 7-8)	180/70-8 (18 x 7-8)
Basic dimensions	3.5	Number of wheels (x = driven)	front/rear		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	3.6	Track width	front/rear	b ₁₀ /b ₁₁	mm	992/900	992/900	992/900	950/900	950/900
	4.1	Angle of mast/fork carriage	forward/backward ¹	α/β	°	5/7	5/7	5/7	5/7	5/7
	4.2	Height of mast	when retracted	h ₁	mm	2200	2200	2200	2200	2200
	4.3	Free lift		h ₂	mm	160	160	160	160	160
	4.4	Lift ¹		h ₃	mm	3020	3020	3020	3020	3020
	4.5	Height of mast	when extended	h ₄	mm	3650	3800	3650	3800	3800
	4.7	Height above protected roof (cabin)		h ₅	mm	2210	2209	2210	2212	2212
	4.8	Seat height in terms of SIP		h ₇	mm	1262	1262	1262	1257	1257
	4.12	Coupling height		h ₁₀	mm	485/365	485/365	484/364	487/367	486/366
	4.19	Total length		l ₁	mm	3353	3558	3498	3703	3518
	4.20	Length including fork backs		l ₂	mm	2353	2358	2498	2503	2428
	4.21	Total width		b ₁	mm	1199	1199	1199	1199	1199
	4.22	Fork dimensions		s/e/l	mm	40/100/1000	45/100/1200	40/100/1000	45/100/1200	50/100/1000
	4.23	Fork carriage ISO 2328, class/form A, B				ISO II A	ISO II A	ISO II A	ISO III A	ISO III A
	4.24	Fork carriage width		b ₂	mm	1150	1150	1150	1150	1150
	4.31	Ground clearance under mast		m ₁	mm	125	125	125	125	125
	4.32	Ground clearance centre wheel base		m ₂	mm	125	125	124	127	127
	4.34.1	Working aisle width with pallet 1000 x 1200 crossways ⁴		A ₀₂	mm	3678	3683 ³	3830	3835 ³	3760
	4.34.2	Working aisle width with pallet 800 x 1200 lengthways ⁴		A ₀₄	mm	3877	3882	4030	4035	3960
	4.35	Turning radius		W ₀	mm	2032	2032	2185	2095	2185
	4.36	Smallest pivoting distance		b ₁₃	mm	539	539	590	590	590
Performance data	5.1	Driving speed	with/without load	km/h	19/20	19/20	19/20	19/20	19/20	19/20
	5.2	Lifting speed	with/without load	m/s	0.53/0.55	0.52/0.55	0.53/0.55	0.52/0.55	0.43/0.55	0.42/0.55
	5.3	Lowering speed	with/without load	m/s	0.54/0.45	0.54/0.45	0.54/0.45	0.54/0.45	0.51/0.45	0.51/0.45
	5.5	Drawbar pull	with/without load	N	8000/8110	7950/8060	7940/8050	7900/8050	7680/8040	7690/8060
	5.6	Max. drawbar pull	with/without load	N	17440/17220	17420/17090	17390/17210	17420/17130	17050/17240	17070/17270
	5.7	Gradeability	with/without load	%	21.3/29.5	20.4/29.1	20.3/30.2	20.0/30.0	18.1/29.0	18.3/30.1
	5.8	Max. gradeability	with/without load	%	25.5/29.7	24.0/28.3	24.2/30.2	24.0/30.0	21.7/29.0	21.9/30.6
	5.9	Acceleration time	with/without load	s	4.5/4.2	4.6/4.2	4.6/4.2	4.6/4.2	4.7/4.2	4.8/4.2
	5.10	Service brake			Electric/mechanical	Electric/mechanical	Electric/mechanical	Electric/mechanical	Electric/mechanical	Electric/mechanical
Electric engine	6.1	Drive motor, output with S2 60 min		kW	15	15	15	15	15	15
	6.2	Lifting motor, output with S3 15%		kW	16.3	16.3	16.3	16.3	16.3	16.3
	6.3	Battery according to DIN 43531/35/36 A, B, C, no			DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A
	6.4	Battery voltage	U	V	80	80	80	80	80	80
	6.4.1	Battery capacity K ₅		Ah	560 - 620	560 - 620	700 - 775	700 - 775	560 - 620	700 - 775
Misc.	6.5	Battery weight		kg	1558	1558	1863	1863	1558	1863
	6.6	Energy consumption 60 VDI combustion cycles/hour		kWh/h	7.2	6.9	7.2	7.2	7.5	7.7
	10.1	Working pressure for accessory equipment		bar	250	250	250	250	250	250
	10.2	Oil volume for accessory equipment		l/min	30	30	30	30	30	30
	10.7	Sound pressure level L _{pa2} (operator's position) ²		dB(A)	<70	<70	<70	<70	<70	<70
		Human vibrations: acceleration in accordance with EN 13059		m/s ²	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
	10.8	Trailer coupling, item/DIN type			Bolt	Bolt	Bolt	Bolt	Bolt	Bolt

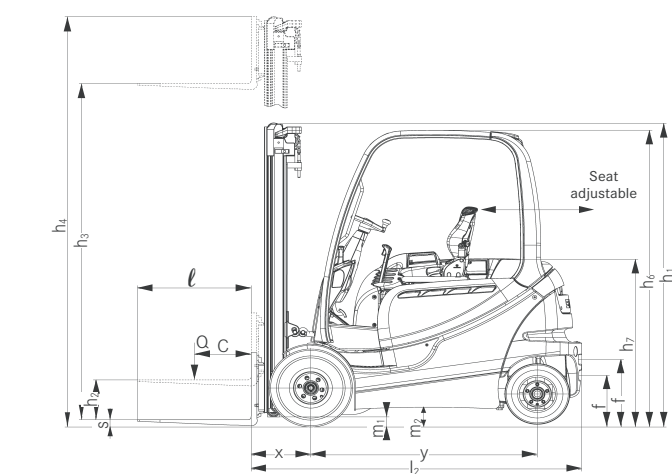
¹ The specified rated lift takes into consideration the tyre deflection and the tolerances of the tyre diameter

² Without cab. Different values with cab

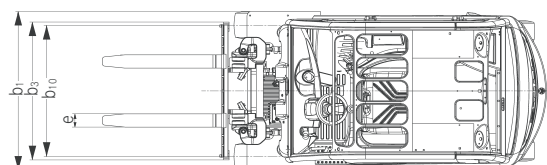
³ Fork overhang not included

⁴ For telescopic, NiH₂ and triplex mast

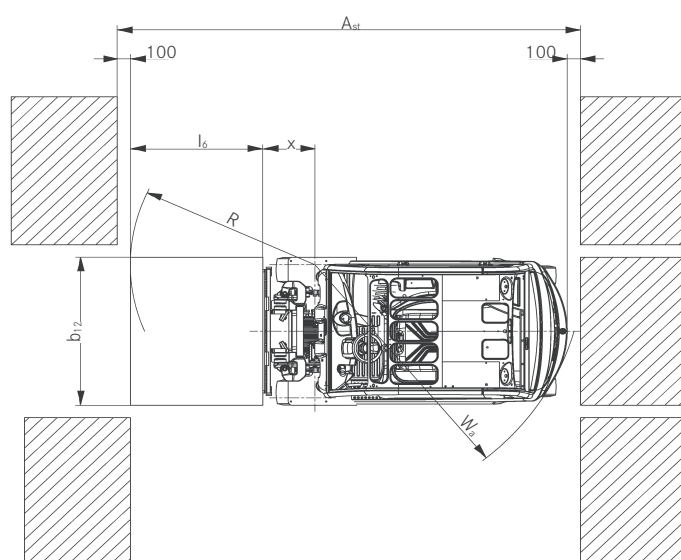
RX 60-25/35 Electric Forklift Truck Technical Drawings



Side view



Top view



Top view

Gradients

Maximum distance that can be driven in 60 minutes.

Example: with a load of 2,500 kg and an incline of 10%, an RX 60-25 can drive a distance of 600 m up to ten times per hour.

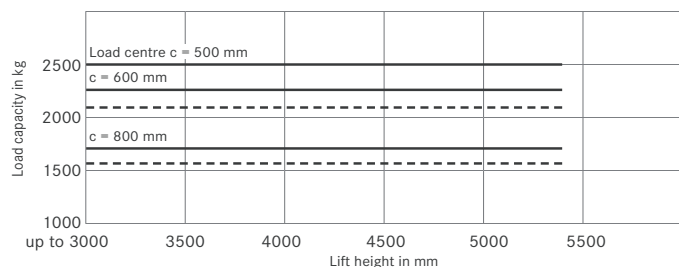
	Gradient	Maximum distance in m							
		RX 60-25	RX 60-25L	RX 60-30	RX 60-30L	RX 60-35	RX 60-25/600	RX 60-25L/600	RX 60-30/600
With load 	20%	2670	1790	1400	1400	-	2160	1790	1120
	15%	4590	3740	2940	2940	2090	4180	3740	2560
	10%	6000	5790	5450	5450	5040	5860	5790	5270
	5%	8950	8600	8200	8200	7570	8640	8600	7880
Without load 	25%	3770	3320	3020	3020	2120	3380	3320	2480
	20%	5340	5110	5030	5030	4090	5120	5110	4430
	15%	6480	6180	5990	5990	5810	6180	6180	5920
	10%	8280	7900	7710	7890	7260	7910	7900	7450
	5%	12400	11480	11690	11680	10880	11900	11480	10980

Dry rough concrete = coefficient of friction 0.8

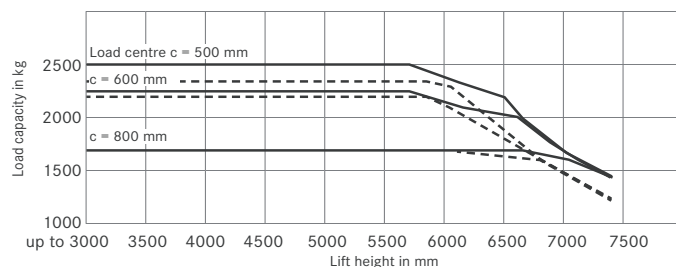
Battery: standard as per specification sheet

RX 60-25/35 Electric Forklift Truck Basic Load Capacities

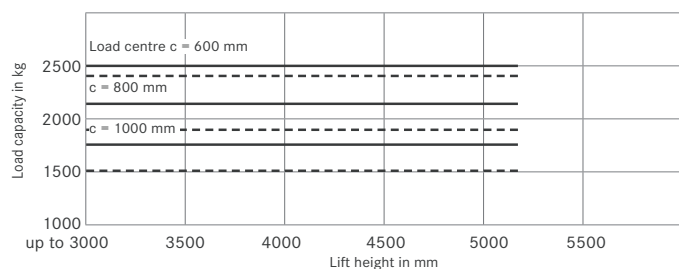
RX 60-25 telescopic mast



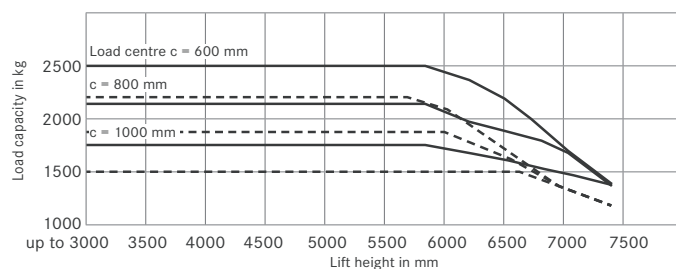
RX 60-25 triplex mast



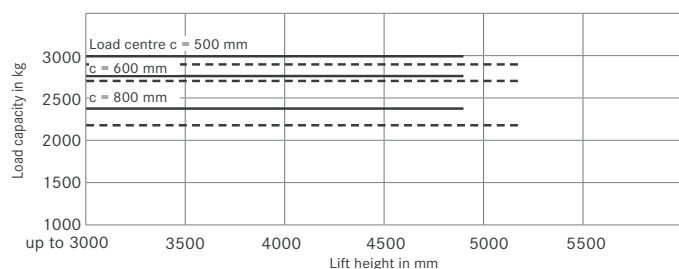
RX 60-25/600 telescopic mast



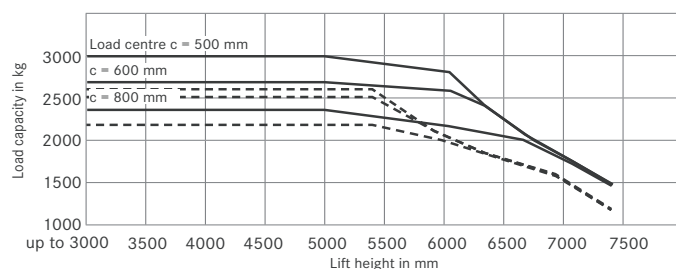
RX 60-25/600 triplex mast



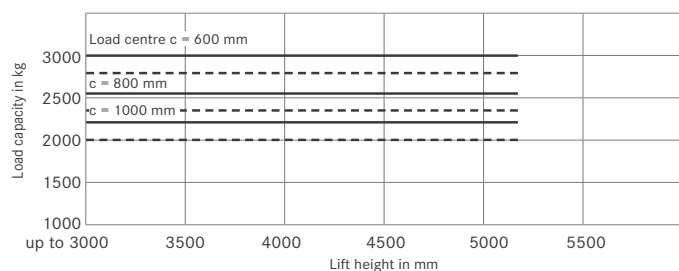
RX 60-30L telescopic mast



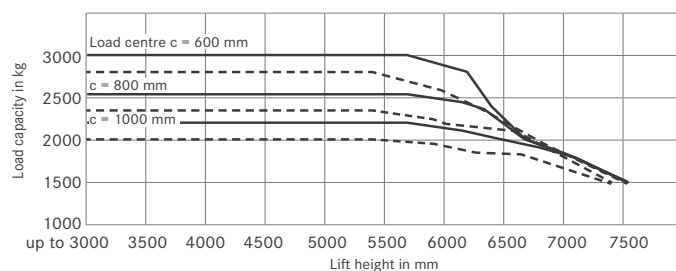
RX 60-25/600 triplex mast



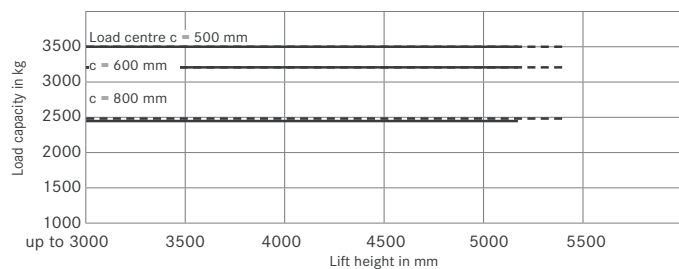
RX 60-30/600 telescopic mast



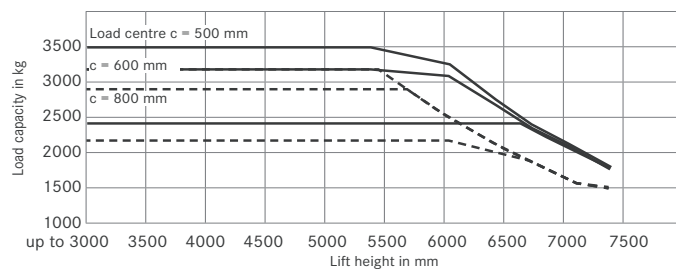
RX 60-30/600 triplex mast



RX 60-35 telescopic mast



RX 60-35 triplex mast



— without side shifter

- - - with fitted side shifter



RX 60-25/35 Electric Forklift Truck
Mast Tables



				Telescopic mast	HiLo mast	Triplex mast	
RX 60-25	Nominal lift	h_3	mm	2870-5170	2940-5190	4360-5390	5540-7540
	Overall height	h_1	mm	2125-3275	2100-3275	2100-2475	2525-3225
	Free lift 4 rollers fork carriage	h_2	mm	160	1470-2600	1470-1850	1900-2600
	Free lift 6 rollers fork carriage	h_2	mm	160	1320-2450	1320-1700	1750-2450
	Maximum height 4 rollers fork carriage	h_4	mm	3500-5800	3600-5850	5040-6070	6220-8220
	Maximum height 6 rollers fork carriage	h_4	mm	3650-5950	3750-6000	5190-6220	6370-8370
	Adjustable fork spread		mm	216 / 368 (telescopic, HiLo) / 521 (triplex) / 673 / 826 / 902 (fork carriage width 1150 mm) / 978 (fork carriage width 1300 mm/1600 mm) / 1054 (fork carriage width 1300 mm) / 1130 (fork carriage width 1600 mm) / 1283 (fork carriage width 1600 mm) / 1359 (fork carriage width 1600 mm)			
	Overall length RX 60-25	l_2	mm	2353		2353	
	Overall length RX 60-25L	l_2	mm	2498		2498	
	Load spacing	x	mm	445		445	
RX 60-25/600	Tyres	front/rear	mm	225/75-10//180/70-8		225/75-10//180/70-8	
	Track	front/rear	b_{10}/b_{11}	992/900		992/900	1096/900
	Maximum width	b_1	mm	1199		1199	1303
RX 60-25/600	Nominal lift	h_3	mm	2870-4070	2940-4190	4360-4890	5040-7540
	Overall height	h_1	mm	2125-2725	2100-2725	2100-2275	2325-3225
	Free lift 6 rollers fork carriage	h_2	mm	160	1320-1950	1320-1500	1550-2450
	Maximum height 6 rollers fork carriage	h_4	mm	3650-4850	3750-5000	5190-5720	5870-8370
	Adjustable fork spread		mm	216 / 368 (telescopic, HiLo) / 521 (triplex) / 673 / 826 / 902 (fork carriage width 1150 mm) / 978 (fork carriage width 1300 mm/1600 mm) / 1054 (fork carriage width 1300 mm) / 1130 (fork carriage width 1600 mm) / 1283 (fork carriage width 1600 mm) / 1359 (fork carriage width 1600 mm)			
	Overall length RX 60-25/600	l_2	mm	2358		2358	
	Overall length RX 60-25L/600	l_2	mm	2503		2503	
	Load spacing	x	mm	450		450	
	Tyres	front/rear	mm	225/75-10//180/70-8	225/75-10//180/70-8	225/75-10//180/70-8	250/60-12//180/70-8
	Track	front/rear	b_{10}/b_{11}	992/900	992/900	992/900	1050/900
RX 60-30	Nominal lift	h_3	mm	2870-5170	2940-5190	4360-5040	5190-7540
	Overall height	h_1	mm	2125-3225	2100-3225	2100-2325	2375-3225
	Free lift 4 rollers fork carriage	h_2	mm	-	1440-2570	1440-1670	1720-2570
	Free lift 6 rollers fork carriage	h_2	mm	160	1320-2450	1320-1550	1600-2450
	Maximum height 4 rollers fork carriage	h_4	mm	-	3630-5880	5070-5740	5890-8240
	Maximum height 6 rollers fork carriage	h_4	mm	3650-5950	3750-6000	5190-5870	6020-8370
	Adjustable fork spread		mm	267 / 673 / 876 / 1080 (fork carriage width 1300 mm/1600 mm) / 1384 (fork carriage width 1600 mm)			
	Overall length RX 60-30	l_2	mm	2428		2428	
	Overall length RX 60-30L	l_2	mm	2518		2518	
	Load spacing	x	mm	465		465	
RX 60-30/600	Tyres	front/rear	mm	250/60-12//180/70-8	250/60-12//180/70-8	250/60-12//180/70-8	
	Track	front/rear	b_{10}/b_{11}	950/900		950/900	1050/900
	Maximum width	b_1	mm	1199		1199	1298
RX 60-30/600	Nominal lift	h_3	mm	2870-4770	2940-4790	4360-4740	4890-7540
	Overall height	h_1	mm	2125-3075	2100-3025	2100-2225	2275-3225
	Free lift 4 rollers fork carriage	h_2	mm	-	1440-2370	1440-1570	1620-2570
	Free lift 6 rollers fork carriage	h_2	mm	160	1320-2250	1320-1450	1500-2450
	Maximum height 4 rollers fork carriage	h_4	mm	-	3630-5480	5070-5440	5590-8240
	Maximum height 6 rollers fork carriage	h_4	mm	3650-5550	3750-5600	5190-5570	5720-8370
	Adjustable fork spread		mm	267 / 673 / 876 / 1080 (fork carriage width 1300 mm/1600 mm) / 1384 (fork carriage width 1600 mm)			
	Overall length RX 60-30/600	l_2	mm	2518		2518	
	Load spacing	x	mm	465		465	
	Tyres	front/rear	mm	315/45-12//180/70-8 (up to 16 km/h in some cases 250/60-12//180/70-8 also possible)			
RX 60-30/600	Track	front/rear	b_{10}/b_{11}	1002/900	1002/900	1002/900	1100/900
	Maximum width	b_1	mm	1300	1300	1300	1398
RX 60-35	Nominal lift	h_3	mm	2870-4770	2940-4790	4360-4740	4890-7540
	Overall height	h_1	mm	2125-3075	2100-3025	2100-2225	2275-3225
	Free lift 4 rollers fork carriage	h_2	mm	-	1440-2370	1440-1570	1620-2570
	Free lift 6 rollers fork carriage	h_2	mm	160	1320-2250	1320-1450	1500-2450
	Maximum height 4 rollers fork carriage	h_4	mm	-	3630-5480	5070-5440	5590-8240
	Maximum height 6 rollers fork carriage	h_4	mm	3650-5550	3750-5600	5190-5570	5720-8370
	Adjustable fork spread		mm	267 / 673 / 876 / 1080 (fork carriage width 1300 mm/1600 mm) / 1384 (fork carriage width 1600 mm)			
	Overall length RX 60-35	l_2	mm	2548		2548	
	Load spacing	x	mm	465		465	
	Working aisle width RX 60-35	A_{w1}	mm	(1000 x 1200) 3879/(1200 x 800) 4079			
RX 60-35	Tyres	front/rear	mm	315/45-12//180/70-8			
	Track	front/rear	b_{10}/b_{11}	1002/900	1002/900	1002/900	1100/900
	Maximum width	b_1	mm	1300	1300	1300	1398

RX 60-25/35 Electric Forklift Truck Detailed Photos



Free view with telemast



Free view with triplex mast



Generous storage space



Comfortable and high-quality driver's cab



Well-appointed driver's cab



Visually-optimised and stable crossmember

RX 60-25/35 Electric Forklift Truck

Detailed Photos



Side guard for especially tough applications



Additional load guard



IWS driver restraint system



Battery replacement system (option)

RX 60-25/35 Electric Forklift Truck

Emissions-free efficiency for every use

Excellent visibility thanks to new mast concept

Powerful electrical drive has very low environmental impact and high handling rate

Compact design and excellent mobility



Emissions-free efficiency – from the electric forklift trucks in this product line RX 60-25/35 In addition to being emissions-free, the trucks are extremely powerful with a lifting capacity of 2.5 to 3.5 tonnes, while also being extremely compact and manoeuvrable. This counterbalanced forklift truck has a further visible advantage both indoors and outdoors as the optimal solution for a wide range of transport tasks across all sectors. Thanks to a newly developed mast, the field of vision through the mast has been increased by up to 55 per cent. And the sideways view past the mast sets new standards. Benefits like these make the RX 60-25/35 a flexible and innovative all-purpose forklift truck which is also ideal for multiple-shift use thanks to greater battery capacity and lateral battery changing.

With a maximum travel speed of 20 km/h, this efficient forklift can also transport materials over several hundred meters quickly and reliably. For locations at which heavy loads need to be lifted to great heights, STILL also offers the RX 60 with a load centre of 600 mm and, therefore, a particularly high associated residual load capacity. So the RX 60-35 can lift three whole tonnes to a height of over six metres – which is a great advantage in the drinks industry and many others. The additional range of available accessories such as side shifters, rotators and bulk buckets make the RX 60-25/35 a universal warehouse assistant for all kinds of application area.

Extensive equipment

Power

- Can lift up to three tonnes with a load centre of 600 mm
- Move goods effectively: travel speeds of up to 20 km/h
- Enough power for multiple-shift use: high battery capacity and lateral battery change
- Maintenance-free rotary current drive

Precision

- Choose from various driving programs: select maximum turnaround or maximum efficiency
- Adjust to suit every task: speed, acceleration and braking can all be individually set
- Sensitive operation and smooth lifting speed control: state-of-the-art proportional valve technology and intuitive single-pedal operation
- Precise load handling: driver's seat set to one side giving optimal view past loads

Ergonomics

- Spacious, comfortable driver's cab that can be individually set up and offering numerous storage compartments
- Feel at home: standard, easy-to-use operating concept across the whole RX product line
- Comfortable: simple and safe entry and exit

- Choose from a range of individual control options: multi-lever, mini-lever, touch or Joystick 4Plus

Compactness

- Ideal for use in small spaces: compact vehicle dimensions and extreme manoeuvrability allow for operation in narrow aisles

Safety

- Perfect all-round view: higher driver's seat and large viewing window on all sides, also in protective roof
- Optimum levels of safety thanks to vehicle's low centre of gravity
- Outstanding driving stability when turning

Environmental responsibility

- Low operating costs: low energy consumption and long maintenance intervals
- Emission-free drive
- Blue-Q efficiency mode allows energy savings of up to 20 percent at the press of a button with no loss of performance
- Over 95 percent of all installed materials are recyclable

RX 60-25/35 Electric Forklift Truck Equipment Variants



		RX 60-25/-30/-35	RX 60-25L/-30L	RX 60-25/-25L/-30L with LC 600 mm
Driver's cab	Operating costs kept low thanks to low energy consumption and long service intervals (1000 working hours)	●	●	●
	Dual-pedal control	○	○	○
	Weather-protected, canvas or full cab	○	○	○
	Drive-in overhead guard with makrolon roof	○	○	○
	Driver cab suitable for container loading (height: approx. 2126 mm)	○	○	○
	Tinted front windscreen, rear and roof windows made of either green-tinted or makrolon laminated safety glass, plus windscreen wiper and wash system	○	○	○
	Built-in storage and drink holder	●	●	●
	Splash-proof operating unit featuring display and function buttons	●	●	●
	Pad with clipboard (removable)	○	○	○
	Grammer MSG 65 leatherette cover	●	●	●
	Textile cover, airtsprung, leatherette cover, lumbar support, height-adjustable back extension, heated seat	○	○	○
	Swivel seat can be rotated 20 degrees to the right	○	○	○
	Grab handle on protected roof	●	●	●
	Horizontal spring plate for driver's seat to minimise human vibrations	○	○	○
	Document pocket on the seat back	○	○	○
	Roof liner with interior lighting	○	○	○
	Radio/MP3 player with USB connection	○	○	○
	Protective sunshade and sun blind	○	○	○
	Electrical heating 1500 W incl. defrosting blaster	○	○	○
	Adjustable roof window for instant cabin ventilation	○	○	○
Mast	Cold storage version, display and hydraulic oil can be used up to -30 °C	○	○	○
	Free view mast available in tele, NiHo and triplex versions	○	○	○
	Load backrest	○	○	○
	Mast vertical position	○	○	○
	Hydraulic accumulator in the lifting cylinder to attenuate thrust seats in the hydraulic system	○	○	○
	Bellows protect the tilt cylinder from dust and moisture	○	○	○
Tyres	Stroke shut-off via push button	○	○	○
	Fork wear protection	○	○	○
Tyres	Superelastic, single tyres, SIT system	●	●	●
	Superelastic, single tyres, natural colours, SIT system	○	○	○
Hydraulics	Noise-optimised hydraulic pump	●	●	●
	Proportional valve technology for especially sensitive movements	●	●	●
	Individual parametrisation options for hydraulic functions	○	○	○
	Multi-lever operation	●	●	●
Drives	Mini-lever with armrest, 2, 3 or 4 levers, touch or joystick	○	○	○
	5 driving programs and Blue-Q energy saving mode	●	●	●
	Display showing energy consumption and remaining driving time based on current charge	○	○	○
Brake	Maintenance-free drives for driving, steering and lifting; components enclosed to protect against dust and moisture	●	●	●
	Wear-free disc brakes that run in an oil bath	●	●	●
	Energy recovery when braking	●	●	●
	Mechanical parking brake	●	●	●
Safety	Electromechanical parking brake	○	○	○
	Low centre of gravity and steering axle with high self-aligning bearing for optimum levels of safety	●	●	●
	Protective grille roof	○	○	○
	EasyBelt restraint system for quick and safe fastening and unfastening	○	○	○
	Sauermann restraint system model HRS-E/ERS or IWS restraint system with left-located strap opening	○	○	○
	Headlights and LED lighting performance	○	○	○
	Driver-adjusted speed limiter	●	●	●
	STILL Safety Light warning device, illuminated blue	○	○	○
	Assistance system (ATC - Assistance Truck Control): safe exit/parking and seat belt control	○	○	○
	Assistance system (ATC - Assistance Truck Control): speed limiter controlled by steering angle	○	○	○
	Assistance system (ATC - Assistance Truck Control): speed limited when fork carrier is raised	○	○	○
	Load measuring with ±2% precision	○	○	○
	Panoramic mirror	○	○	○
	Direction can be changed both left- and right-handed via mini-console	○	○	○
	FleetManager: access authorisation, shock detection, reports, OptiTruck	○	○	○
	Raised driver's compartment by 350 mm for good visibility over high loads, e.g. beverage pallets	○	○	○

● Standard ○ Option — Not available



STILL Materials Handling Ltd
Aston Way
Leyland Preston
PR26 7UX
Tel.: +44 (0)845 603 6827

STILL Materials Handling Ltd
Jacks Way
Hill Barton
Business Park
Clyst St. Mary
Exeter
EX5 1FG

Tel.: +44 (0)345 603 6827

info@still.co.uk

For further information please visit:
www.still.co.uk



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

