GEAR
Keeps you going

STILL

RX 60 Technical Data
Electric Forklift Truck

RX 60-60

RX 60-70

RX 60-80

RX 60-80/900

IFOY winner
IFOY AWARD
international forklift truck of the year 2015

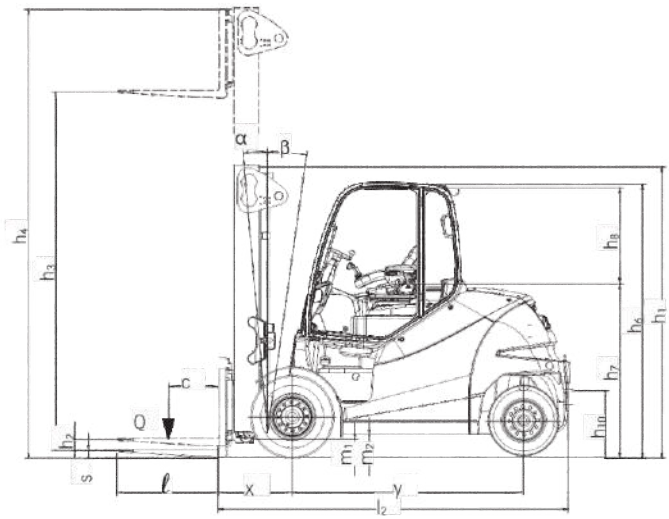
first in intralogistics

RX 60-60/80 Electric Forklift Truck
Making light work of things

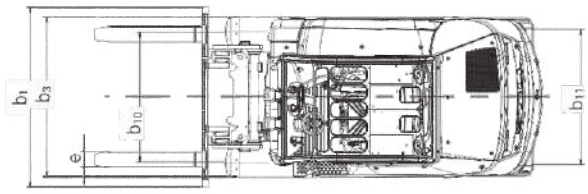
This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only.
Different tyres, other masts, the use of accessories, etc., may result in other values.

Features	1.1	Manufacturer				STILL	STILL	STILL	STILL
	1.2	Manufacturer's type designation				**RX 60-60**	**RX 60-70**	**RX 60-80**	**RX 60-80/900**
	1.2.1	Manufacturer model number				6341	6342	6343	6344
	1.3	Drive				Electric	Electric	Electric	Electric
	1.4	Operator type				Seated	Seated	Seated	Seated
	1.5	Rated capacity/rated load		Q	kg	6000	7000	8000	8000
	1.6	Load centre distance		c	mm	600	600	600	900
	1.8	Load distance, centre of drive axle to fork		x	mm	710	720	720	750
	1.9	Wheel base		y	mm	2285	2285	2285	2285
Weights	2.1	Empty weight (incl. battery)			kg	12032	12414	13282	15430
	2.2	Axle load, laden	front/rear		kg	15860/2172	17702/1712	19311/1971	21306/2124
	2.3	Axle load, unladen	front/rear		kg	6413/5619	6591/5823	6627/6655	7097/8333
Tyres/chassis	3.1	Tyres				Superelastic	Superelastic	Superelastic	Superelastic
	3.2	Tyre size	front		mm	355/50-20	8.25-15	315/70-15	315/70-15
	3.3	Tyre size	rear		mm	250-15	250-15	250-15	28 x 12.5-15
	3.5	Wheels, number (x = driven)	front/rear			2x/2	4x/2	4x/2	4x/2
	3.6	Tread	front/rear	b_{10}/b_{11}	mm	1364/1358	1510/1358	1561/1358	1561/1432
Basic dimensions	4.1	Angle of mast/fork carriage	forward/backward	α/β	°	5/8	5/8	5/8	5/8
	4.2	Height of mast when retracted		h_1	mm	2710	2710	2710	2710
	4.3	Free lift		h_2	mm	150	150	150	150
	4.4	Lift [1]		h_3	mm	3550	3150	3150	2750
	4.5	Height of mast when extended		h_4	mm	4440	4240	4140	4140
	4.7	Height above protected roof (cab)		h_6	mm	2697	2697	2697	2697
	4.8	Seat height in terms of SIP		h_7	mm	1719	1719	1719	1719
	4.12	Clutch height		h_{10}	mm	520/670	520/670	520/670	520/670
	4.19	Total length		l_1	mm	4640	4660	4660	5335
	4.20	Length including fork backs		l_2	mm	3450	3460	3460	3535
	4.21	Overall width		b_1	mm	1679	1996	2141	2141
	4.22	Fork dimensions		s/e/l	mm	70/150/1200	70/150/1200	70/150/1200	70/200/1800
	4.23	Fork carriage ISO 2328, class/type A, B				ISO IV A	ISO IV A	ISO IV A	ISO IV A
	4.24	Fork carriage width		b_3	mm	1600	1800	1800	2180
	4.31	Ground clearance under mast		m_1	mm	220	220	220	220
	4.32	Ground clearance, centre wheel base		m_2	mm	210	210	210	210
	4.34.1	Working aisle width with pallet 1000 x 1200 crossways		A_{st}	mm	4917	4927	4927	4999 [3]
	4.34.2	Working aisle width with pallet 800 x 1200 lengthways		A_{st}	mm	5117	5127	5127	5199 [3]
	4.35	Turning radius		W_a	mm	3007	3007	3007	3049
	4.36	Smallest pivoting distance		b_{13}	mm	877	877	877	877
Performance data	5.1	Driving speed [5]	laden/unladen		km/h	14/17 // 18/20 [4]	14/17 // 18/20 [4]	14/17 // 18/20 [4]	14/17 // 18/20 [4]
	5.2	Lifting speed [5]	laden/unladen		m/s	0.31/0.37 // 0.41/0.48 [4]	0.30/0.37 // 0.38/0.48 [4]	0.28/0.37 // 0.36/0.48 [4]	0.28/0.37 // 0.36/0.48 [4]
	5.3	Lowering speed [5]	laden/unladen		m/s	0.56/0.52	0.53/0.42	0.53/0.42	0.53/0.42
	5.5	Traction	laden/unladen		N	28788/29023	28674/28936	28468/28767	27997/28295
	5.6	Max. traction	laden/unladen		N	44000	44000	44000	44000
	5.7	Gradeability	laden/unladen		%	16.3/25.0	16.1/24.1	16.0/23.0	15.5/22.5
	5.8	Max. gradeability	laden/unladen		%	19.0/29.0	18.0/27.0	16.0/25.0	16.0/23.0
	5.9	Acceleration time (15 m) [5]	laden/unladen		s	7.3/6.2 // 6.3/5.8	7.5/6.5 // 6.4/5.9	7.7/6.6 // 6.7/5.9	7.9/6.8 // 6.9/6.1
	5.10	Service brake				Mechanic/ hydraulic	Mechanic/ hydraulic	Mechanic/ hydraulic	Mechanic/ hydraulic
Electric engine	6.1	Drive motor, output with S3 = 60 min			kW	2 x 10.5	2 x 10.5	2 x 10.5	2 x 10.5
	6.2	Lifting motor, output at 15 % ED			kW	2 x 21.0	2 x 21.0	2 x 21.0	2 x 21.0
	6.3	Battery in accordance with DIN 43531/35/36 A, B, C, no				DIN 43536 A	DIN 43536 A	DIN 43536 A	DIN 43536 A
	6.4	Battery voltage		U	V	80	80	80	80
	6.4.1	Battery capacity K_5			Ah	1120 (-1240) // 1085	1120 (-1240) // 1085	1120 (-1240)/ 1085	1120 (-1240) // 1085
	6.5	Battery weight			kg	2824	2824	2824	2824
	6.6	Energy consumption, 45 VDI combustion cycles/hour			kWh/h	12.6	14.5	16.0	17.7
	6.7	Handling capacity [5]			t/h	354 // 358	412 // 434	462 // 492	456 // 476
	6.8	Energy consumption at handling capacity			kWh/h	15.4 // 20.4	16.1 // 20.6	16.5 // 20.9	17.2 // 21.9
Miscellaneous	10.1	Working pressure for accessory equipment			bar	250	250	250	250
	10.2	Oil volume for accessory equipment			l/min	60	60	60	60
	10.7	Sound pressure level L_{pAZ} (operator's position) [2]			dB(A)	<70	<70	<70	<70
		Human vibrations: acceleration in accordance with EN 13059			m/s^2	<0.7	<0.7	<0.7	<0.7
	10.8	Trailer coupling, item/DIN type				Bolt	Bolt	Bolt	Bolt

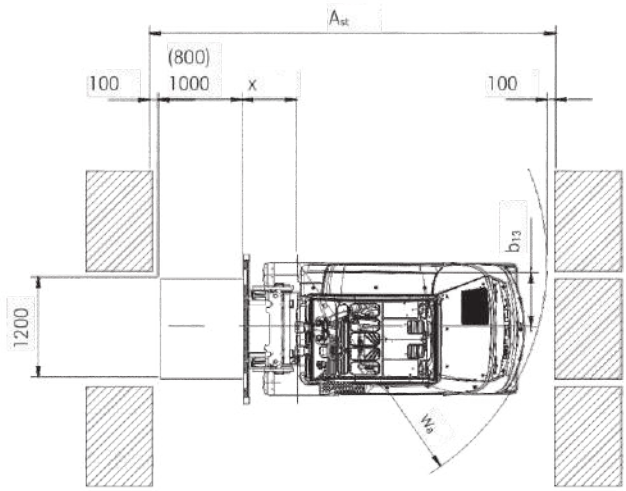
[1] The nominal lift stated includes the tyre deflection and tyre diameter tolerances
[2] Excluding cab. Different values with cab
[3] Fork arm overhang not considered
[4] Option with outstandingly powerful battery
[5] Values apply to standard version and permanent sprint mode (no performance restrictions for temperature balancing)



Side view



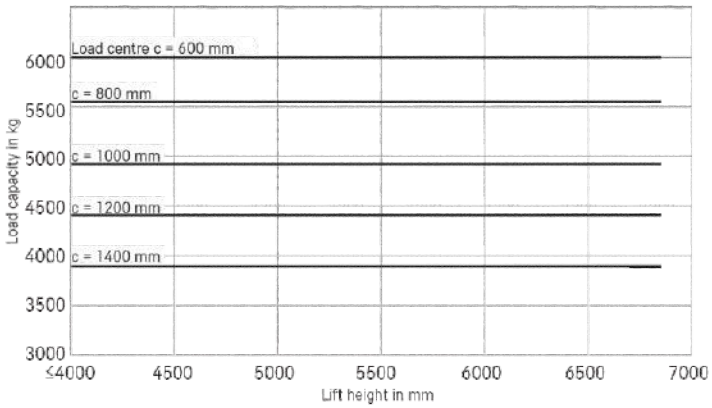
Top view



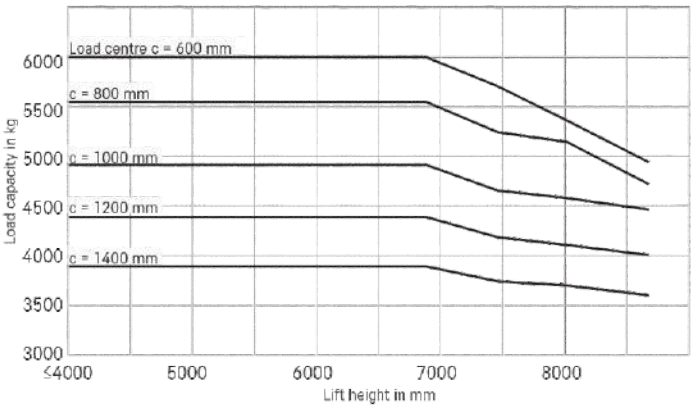
Mast Tables

					Telescopic mast	Triplex mast
RX 60-60	Overall height		h_1	mm	2710-4360	2710-3760
	Free lift		h_2	mm	110	1755-3005
	Nominal lift		h_3	mm	3550-6850	4770-8670
	Maximum height		h_4	mm	4440-7740	5660-9560
	Maximum width		b_1	mm	1679	
	Adjustable fork spread			mm	267/470/673/978/1181/1486 (fork carriage width 1600 mm)/1570 (fork carriage width 1800 mm)/1791 (fork carriage width 2180/2400 mm)/1866 (fork carriage width 2180 mm)/1950/2096 (fork carriage width 2400 mm)	
	Superelastic tyres	front/rear			SE 355/50-20 / SE 250-15	
	Track	front/rear	b_{10}/b_{11}	mm	1364/1358	
RX 60-70	Overall height		h_1	mm	2710-4360	2710-3960
	Free lift		h_2	mm	110	1555-2805
	Nominal lift		h_3	mm	3150-6450	4705-8455
	Maximum height		h_4	mm	4240-7540	5795-9545
	Maximum width		b_1	mm	2003	
	Adjustable fork spread			mm	267/470/673/978/1181/1486 (fork carriage width 1600 mm)/1570 (fork carriage width 1800 mm)/1791 (fork carriage width 2180/2400 mm)/1866 (fork carriage width 2180 mm)/1950/2096 (fork carriage width 2400 mm)	
	Superelastic tyres	front/rear			SE twin 8.25-15 / SE 250-15	
	Track	front/rear	b_{10}/b_{11}	mm	1510/1358	
RX 60-80	Overall height		h_1	mm	2710-4360	2710-3960
	Free lift		h_2	mm	110	1555-2805
	Nominal lift		h_3	mm	3150-6450	4705-8455
	Maximum height		h_4	mm	4240-7540	5795-9545
	Maximum width		b_1	mm	2140	
	Adjustable fork spread			mm	267/470/673/978/1181/1486 (fork carriage width 1600 mm)/1570 (fork carriage width 1800 mm)/1791 (fork carriage width 2180/2400 mm)/1866 (fork carriage width 2180 mm)/1950/2096 (fork carriage width 2400 mm)	
	Superelastic tyres	front/rear			SE twin 315/70-15 / SE 250-15	
	Track	front/rear	b_{10}/b_{11}	mm	1561/1358	
RX 60-80/900	Overall height		h_1	mm	2710-4360	2710-3960
	Free lift		h_2	mm	110	1320-2570
	Nominal lift		h_3	mm	2750-6050	3955-7705
	Maximum height		h_4	mm	4140-7440	5595-9345
	Maximum width		b_1	mm	2140	
	Adjustable fork spread			mm	267/470/673/978/1181/1486 (fork carriage width 1600 mm)/1570 (fork carriage width 1800 mm)/1791 (fork carriage width 2180/2400 mm)/1866 (fork carriage width 2180 mm)/1950/2096 (fork carriage width 2400 mm)	
	Superelastic tyres	front/rear			SE twin 315/70-15 / SE 28 x 12.5-15	
	Track	front/rear	b_{10}/b_{11}	mm	1561/1432	

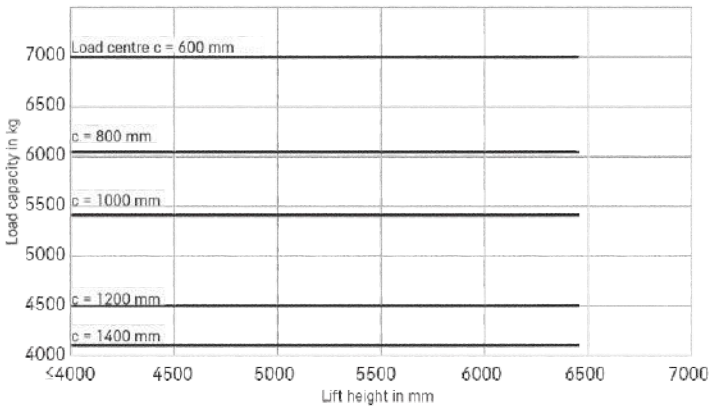
RX 60-60 Telescopic mast



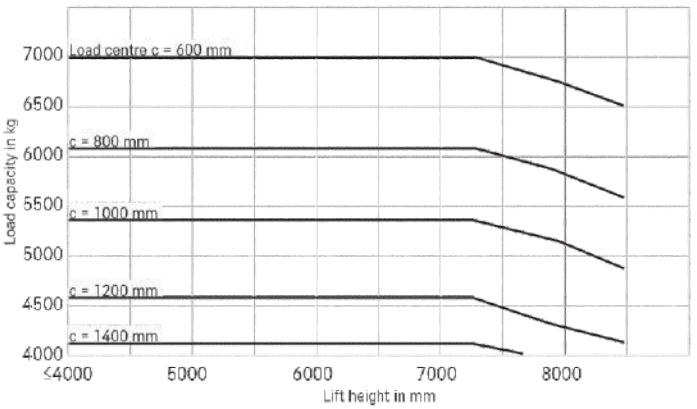
RX 60-60 Triplex mast



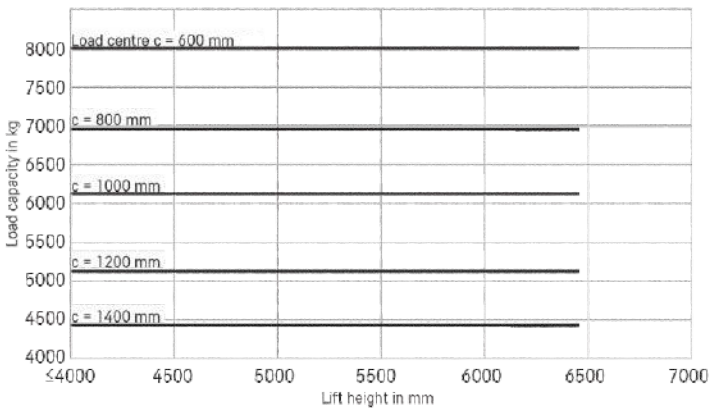
RX 60-70 Telescopic mast



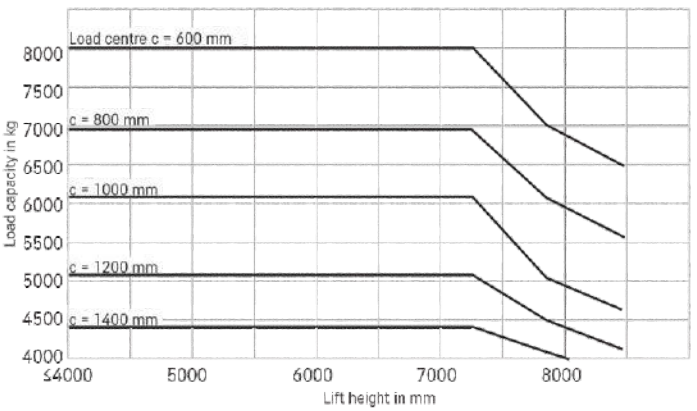
RX 60-70 Triplex mast



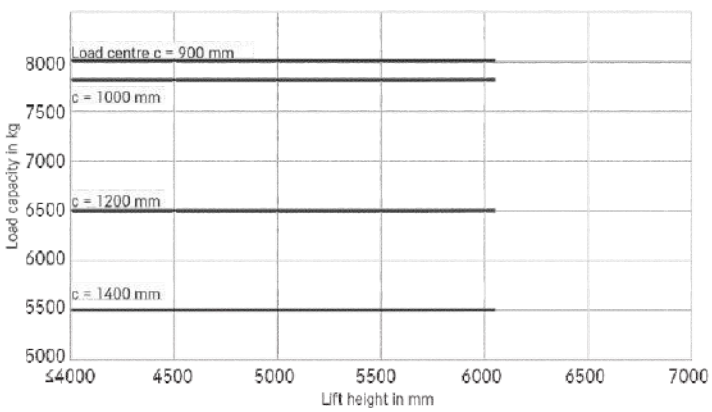
RX 60-80 Telescopic mast



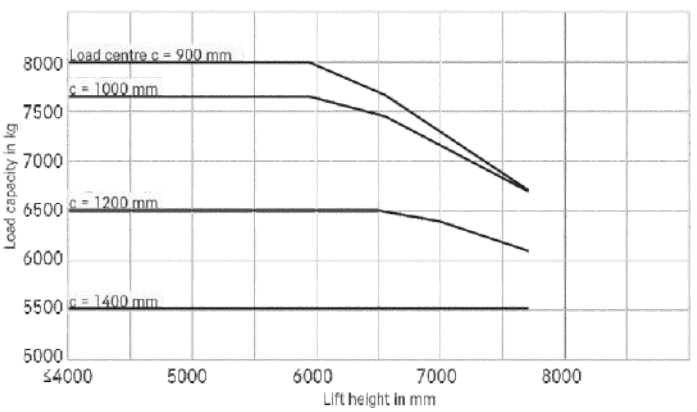
RX 60-80 Triplex mast



RX 60-80/900 Telescopic mast



RX 60-80/900 Triplex mast



Easy handling of heavy loads in tight spaces

Flexible indoor and outdoor use

Non-slip steps visible from the top for safe access and exit

Manoeuvrable and stable high pendulum axle

Fast battery change with ECU 30 high lift truck

High availability thanks to fast battery change

Easily accessible maintenance positions

Compact design and excellent mobility

The powerful electrical drive unit has very low environmental impact and a high handling rate

Excellent visibility due to laterally offset driver's cab and high seat position

Optional sprint mode and for a top driving speed of 20 km/h

The electric forklift trucks of the RX 60-60/80 series are emission-free powerhouses that boost a particularly high performance and are extremely compact and manoeuvrable. The flagship model, the RX 60-80/900, can lift up to eight tonnes in working aisle widths of only 4,999 mm at a load centre of 900 mm. With zero emissions, the powerful electric forklifts prove to be a highly efficient transport solution both indoors and outdoors – even in damp and dusty environments.

High handling performance is ensured not only by the sensitive control but also by the maximum travel speed of up to 17 km/h as standard - and even up to 20 km/h in the optional sprint mode.
Whether for freight carriers or manufacturing sectors, handling heavy loads or fast loading and unloading of lorries, its high performance, precise hydraulics and well-conceived forklift ergonomics make the strongest RX-60 model an unbeatable warehouse assistant.

The 'Simply Efficient' factors: Performance attributes as a measure of economic efficiency

Simply easy

- Intuitive handling: intuitive, easy-to-understand and standardised RX-family operating system
- Ergonomic and comfortable operator's cab protects the back and joints and encourages a healthy posture
- Lateral battery change is easily done and only takes a few moments

Simply powerful

- Intralogistics powerhouse: truck delivers first-in-class handling performance
- Sprint mode can be activated at the push of a button, offering a performance boost for performance peaks
- Efficient power usage ensures an outstanding range per battery charge
- Versatile assistance functions offer intelligent support while working
- Thanks to the optional STILL lithium-ion technology, short decentralised interim charging is sufficient for round-the-clock usage

Simply safe

- Precise, safe handling in any situation due to high-precision hydraulics and agile driving dynamics
- Safe entry: large handle, anti-slip rubber mat and wide step
- Optimal all-round view thanks to narrow protective roof profiles and large windows
- Versatile equipment options for even more safety – from the direction indicator to safety lights through to automatic speed reduction when cornering

Simply flexible

- Choose from a range of individual control options: multi-lever, mini-lever, Fingertip or Joystick 4Plus
- Driving and acceleration behaviour can be adapted to personal preferences at the push of a button

Simply connected

- Monitor truck and usage data in real time: optional interface for integration into fleet management software, such as STILL neXXt fleet
- Incorrect use made impossible thanks to optional access control

RX 60-60/80 Electric Forklift Truck
Equipment Variants

		RX 60-60	RX 60-70	RX 60-80	RX 60-80/900
Driver's seat	Low operating costs due to low energy consumption in all operating cycles and long maintenance intervals	●	●	●	●
	Steel protected roof	●	●	●	●
	Weather-protected, canvas or full cab	○	○	○	○
	Tinted front windscreen, rear and front windows, windscreen washing/wiping system	○	○	○	○
	Single-pedal control	●	●	●	●
	Dual-pedal control	○	○	○	○
	Integrated holders and cup holder	●	●	●	●
	Display and function buttons protected from water spray	●	●	●	●
	Pad with clipboard (removable)	○	○	○	○
	Grammer MSG 65 leatherette cover	●	●	●	●
	Textile cover, airsprung, leatherette cover, lumbar support, height-adjustable back extension, heated seat	○	○	○	○
	Handle on protected roof bar, rear right	●	●	●	●
	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 sunblind	○	○	○	○
	1500 W electrical heating incl. defrosting blaster	○	○	○	○
	Cold storage version, display and hydraulic oil can be used at up to -30 °C	○	○	○	○
Mast	Telescopic clear view mast	○	○	○	○
	Triple clear view mast	○	○	○	○
	Load protection grid	○	○	○	○
	Mast vertical position	○	○	○	○
	Hydraulic accumulator in the lifting cylinder to attenuate pressure peaks in the hydraulic system	○	○	○	○
	Angle of incline five/eight degrees, front/rear incline	●	●	●	●
	Bellows protects the tilt cylinder from dust and moisture	○	○	○	○
Tyres	Superelastic single tyres, SIT system	●	—	—	—
	Superelastic twin tyres, SIT system	○	●	●	●
Hydraulics	Noise-optimised hydraulic pump	●	●	●	●
	Proportional valve technology for especially sensitive movements	●	●	●	●
	Individual parametrisation options for hydraulic functions	●	●	●	●
	Mini-lever with armrest, two levers	●	●	●	●
	Mini-lever with armrest, three or four levers, fingertip or joystick	○	○	○	○
	Increased lift speed in powerful sprint mode	○	○	○	○
Drives	Five driving programs	●	●	●	●
	Faster acceleration and driving speed of up to 20 km/h in the powerful sprint mode	○	○	○	○
	Blue-Q energy-saving program	●	●	●	●
	Smooth, continuous acceleration and reversing	●	●	●	●
	Maintenance-free drives for driving, steering and lifting	●	●	●	●
	Enclosed components for protection against dust and damp	●	●	●	●
	Operating hours counter only operational with drive and lifting motor	●	●	●	●
Brake	Wear-free disc brakes that run in an oil bath	●	●	●	●
	Energy recovery when braking	●	●	●	●
	Hydraulic parking brake	●	●	●	●
Safety	Forklift has low centre of gravity and steering with high self-aligning bearing for optimum levels of safety	●	●	●	●
	Protective grille roof	○	○	○	○
	EasyBelt restraint system for quick and safe fastening and unfastening	○	○	○	○
	Easily accessible maintenance positions	●	●	●	●
	IWS restraint system with with strap opening on the left	○	○	○	○
	Headlights and LED lighting performance	○	○	○	○
	Speed limiter adjustable by driver	○	○	○	○
	STILL Safety Light warning device, illuminated blue	○	○	○	○
	ATC (Assistance Truck Control) system for safe exit/parking and seat belt control	○	○	○	○
	Load measuring with ±2 % precision	○	○	○	○
	FleetManager: access authorisation, shock detection, reports	○	○	○	○

● Standard ○ Optional — Not available

Keeps you going

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Keeps you going

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

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