FXR Technical Data
Reach Truck

FXR 14C

FXR 16C

FXR 18C



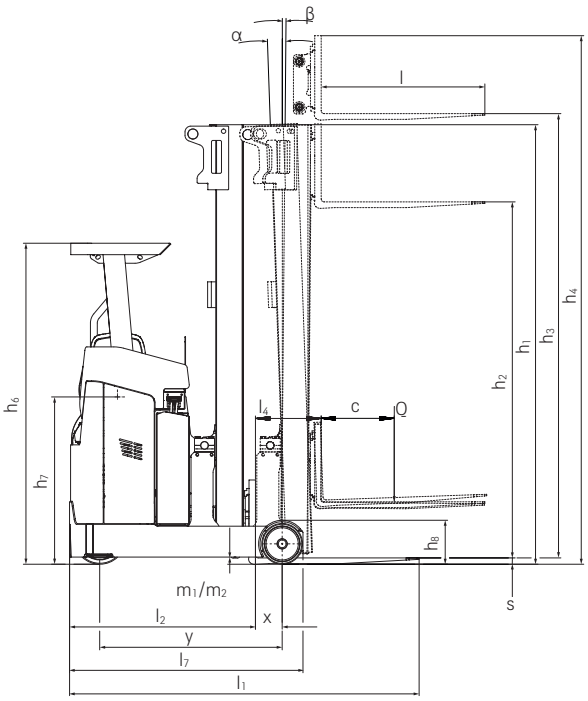
Li-Ion INSIDE

FXR C Reach Truck
Reach high. Work smart.

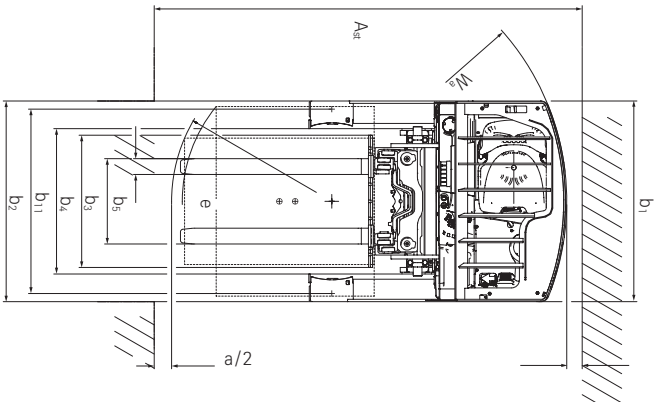
This specification sheet, which conforms to VDI guideline 2198, provides the technical values for the standard equipment only. Different tyres, other masts, the use of accessories, etc., may result in other values.



Features	1.1	Manufacturer				STILL		STILL		STILL	
	1.2	Manufacturer's type designation				**FXR 14C/Li-Ion**		**FXR 16C/Li-Ion**		**FXR 18C/Li-Ion**	
						Standard Mast	Plus Mast (Drive Plus/Lift Plus)	Standard Mast	Plus Mast (Drive Plus/Lift Plus)	Plus Mast	Plus Mast (Drive Plus/Lift Plus)
	1.3	Drive				Electric	Electric	Electric	Electric	Electric	Electric
	1.4	Operation				Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity/load		Q	kg	1400	1400	1600	1600	1800	1800
	1.6	Load centre		c	mm	600	600	600	600	600	600
	1.8	Load distance		x	mm	256	247	357	348	420	420
	1.9	Wheel base		y	mm	1275	1275	1381	1381	1453	1453
Weights	2.1	Service weight (incl. battery)			kg	3015	3200	3059	3246	3404	3420
	2.3	Axle load, unladen	drive end/load end		kg	1748/1267	1833/1367	1846/1213	1937/1309	2071/1333	2087/1333
	2.4	Axle load, fork advanced, laden	drive end/load end		kg	490/3925	530/4070	466/4193	501/4345	530/4647	546/4674
	2.5	Axle load, fork retracted, laden	drive end/load end		kg	1370/3045	1445/3155	1565/3094	1645/3201	1848/3356	1864/3356
Tyres/chassis	3.1	Tyres				Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size	drive end		mm	Ø 360 x 130	Ø 360 x 130	Ø 360 x 130	Ø 360 x 130	Ø 360 x 130	Ø 360 x 130
	3.3	Tyre size	load end		mm	Ø 285 x 100	Ø 285 x 100	Ø 285 x 100	Ø 285 x 100	Ø 285 x 100	Ø 285 x 100
	3.5	Number of wheels (x = driven)	drive end/load end			1x/2	1x/2	1x/2	1x/2	1x/2	1x/2
	3.7	Track width	load end	b_{11}	mm	1167	1167	1167	1167	1167	1167
	3.9	Wheels braked, number of service brakes				2	2	2	2	2	2
	3.10	Wheels braked, parking brake				1	1	1	1	1	1
Basic dimensions	4.1	Tilt of mast/fork carriage	forward/backward	α/β	°	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)	1/2 (h_3 ‹ 6200 mm) 0.5/2 (h_3 › 6200 mm)
	4.2	Height of mast	mast retracted	h_1	mm	2685	2685	2685	2685	2685	2685
	4.3	Free lift		h_2	mm	2130	2074	2130	2074	2074	2074
	4.4	Lift		h_3	mm	6470	6470	6470	6470	6470	6470
	4.5	Height of mast	mast extended	h_4	mm	7025	7086	7025	7086	7086	7086
	4.7	Height to top of overhead guard (cab)		h_6	mm	2245	2245	2245	2245	2245	2245
	4.8	Seat height		h_7	mm	1183	1183	1183	1183	1183	1183
	4.10	Height of load arms		h_8	mm	308	308	308	308	308	308
	4.19	Overall length		l_1	mm	2381	2390	2386	2395	2395	2395
	4.20	Length including fork backs		l_2	mm	1231	1240	1236	1245	1245	1245
	4.21	Overall width		b_1/b_2	mm	1270	1260 /1270	1270	1260/1270	1260/1270	1260/1270
	4.22	Fork dimensions	DIN ISO 2331	s/e/l	mm	40/80/1150	40/80/1150	45/100/1150	45/100/1150	45/100/1150	45/100/1150
	4.23	Fork carriage ISO 2328, class/type A, B				2/A	2/A	2/A	2/A	2/A	2/A
	4.24	Fork carriage width		b_3	mm	840	840	840	840	840	840
	4.26	Distance between wheel arms/loading surfaces		b_4	mm	920	920	920	920	920	920
	4.28	Reach distance		l_4	mm	439	433	545	540	613	613
	4.31	Ground clearance below mast, laden		m_1	mm	75	75	75	75	75	75
	4.32	Ground clearance, centre of wheel base		m_2	mm	50	50	50	50	50	50
	4.34.1	Working aisle width with 1000 x 1200 pallet crossways		A_{st}	mm	2653	2661	2675	2682	2700	2700
	4.34.2	Working aisle width with 800 x 1200 pallet lengthways		A_{st}	mm	2723	2732	2728	2737	2742	2742
	4.35	Turning radius		W_a	mm	1498	1498	1596	1596	1665	1665
	4.37	Length across load arms		l_7	mm	1633	1633	1739	1739	1811	1811
	4.43	Step height			mm	357	357	357	357	357	357
Performance data	5.1	Travel speed	laden/unladen		km/h	10/10	12/12	10/10	12/12	10/10	12/12
	5.1.1	Driving speed backwards	laden/unladen		km/h	10/10	12/12	10/10	12/12	10/10	12/12
	5.2	Lifting speed	laden/unladen		m/s	0.55/0.56	0.60/0.62	0.55/0.56	0.60/0.62	0.55/0.56	0.60/0.62
	5.3	Lowering speed	laden/unladen		m/s	0.57/0.55	0.57/0.56	0.57/0.55	0.57/0.56	0.57/0.56	0.57/0.56
	5.4	Reaching speed	laden/unladen		m/s	0.17/0.17	0.17/0.17	0.17/0.17	0.17/0.17	0.17/0.17	0.17/0.17
	5.7	Gradeability	laden/unladen		%	10/10	10/10	10/10	10/10	10/10	10/10
	5.8	Max. gradeability	laden/unladen		%	10/10	10/10	10/10	10/10	10/10	10/10
	5.9	Acceleration speed (to 10 m)	laden/unladen		s	5.5/5.5	5.5/5.3	5.5/5.5	5.5/5.3	6.3/6.0	5.6/5.3
	5.10	Service brake				hydraulic/mechanic	hydraulic/mechanic	hydraulic/mechanic	hydraulic/mechanic	hydraulic/mechanic	hydraulic/mechanic
Electric motor	6.1	Drive motor rating S2 = 60 min			kW	5.7	5.7	5.7	5.7	5.7	5.7
	6.2	Lift motor rating S3 = 15%			kW	12	15	12	15	12	15
	6.3	Battery according to DIN 43531/35/36 A. B. C. no				Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
	6.4	Battery voltage/rated capacity K_5			V/Ah	48/414	48/414	48/414	48/414	48/414	48/414
	6.5	Battery weight (depending on manufacturer ±5%)			kg	269	269	269	269	269	269
	6.6	Energy consumption according to VDI cycle			kWh/h	2.7	2.6	2.9	2.7	3.3	3.0
	6.6.1	CO_2 equivalent values			m_CO_2	1.46	1.39	1.57	1.48	1.80	1.60
	6.7	Handling capacity according to VDI 2198			t/h	52	53	59	60	48	66
	6.8	Handling capacity according to VDI 2198			t/kWh	21	20	22	22	17	24
Misc.	10.7	Sound pressure level, operator's position			dB(A)	65	65	65	65	65	65



Side view



Top view

FXR C Reach Truck
Mast Tables

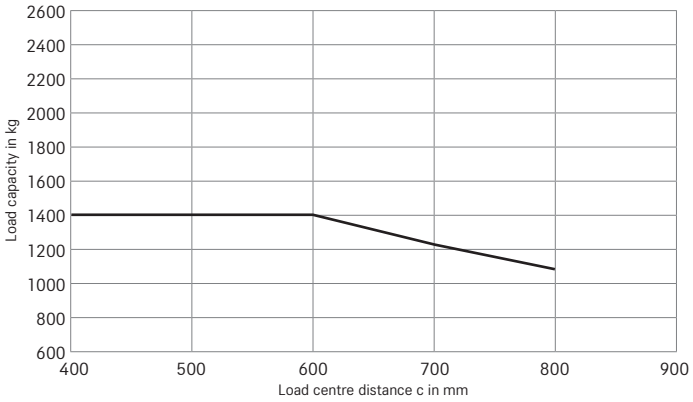
	Standard Mast*				Plus Mast**			
	Height, mast lowered h_1 in mm	Free lift h_2 in mm	Lift h_3 in mm	Height, mast extended h_4 in mm	Height, mast lowered h_1 in mm	Free lift h_2 in mm	Lift h_3 in mm	Height, mast extended h_4 in mm
FXR 14C/FXR 16C/FXR 18C	2035	1469	4520	5075	2185	1574	4970	5586
	2185	1619	4970	5525	2260	1649	5195	5811
	2235	1669	5120	5675	2285	1674	5270	5886
	2285	1719	5270	5825	2385	1774	5570	6186
	2385	1819	5570	6125	2435	1824	5720	6336
	2435	1869	5720	6275	2485	1874	5870	6486
	2485	1919	5870	6425	2585	1974	6170	6786
	2585	2019	6170	6725	2685	2074	6470	7086
	2685	2119	6470	7025	2760	2149	6695	7311
	2785	2219	6770	7325	2785	2174	6770	7386
	2885	2319	7070	7625	2885	2274	7070	7686
	2985	2419	7370	7925	2985	2374	7370	7986
	3085	2519	7670	8225	3085	2474	7670	8286
	3185	2619	7970	8525	3185	2574	7970	8586
	3285	2719	8270	8825	3285	2674	8270	8886
	3385	2819	8570	9125	3385	2774	8570	9186
	3535	2969	9020	9575	3485	2874	8870	9486
					3585	2974	9170	9786
					3685	3074	9470	10086
					3785	3125	9770	10386
					3885	3225	10070	10686
					4035	3375	10520	11136
					4135	3475	10820	11436
					4185	3525	10970	11525

* Available as sideshift mast
** Available as sideshift mast or fixed mast

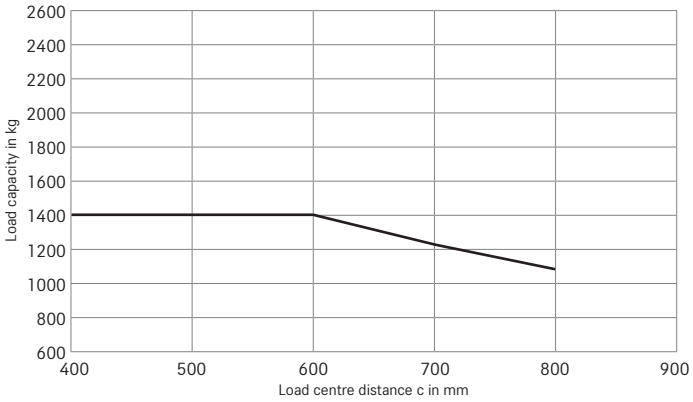
FXR C Reach Truck
Basic Load Capacities



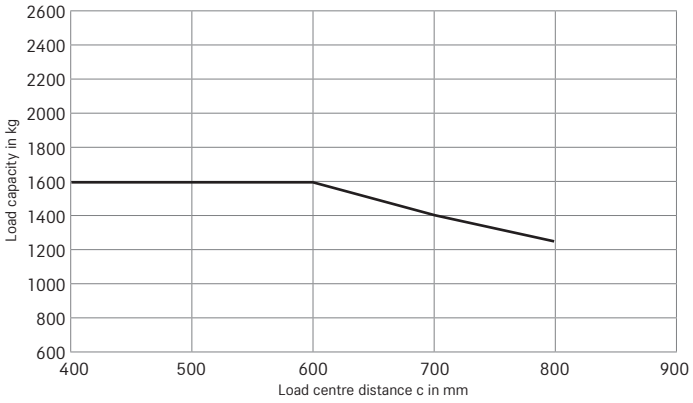
Load capacity FXR 14C Standard Mast



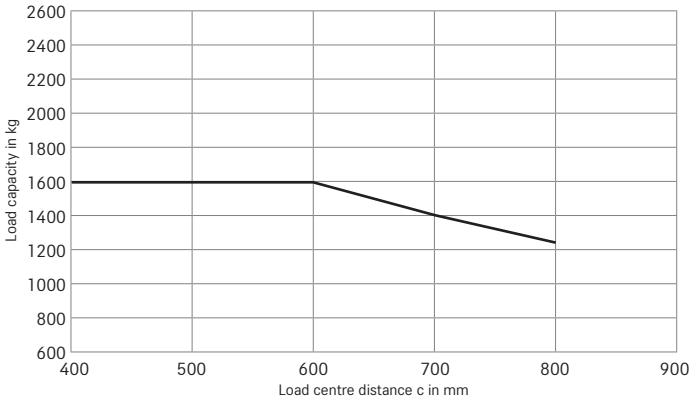
Load capacity FXR 14C Plus Mast



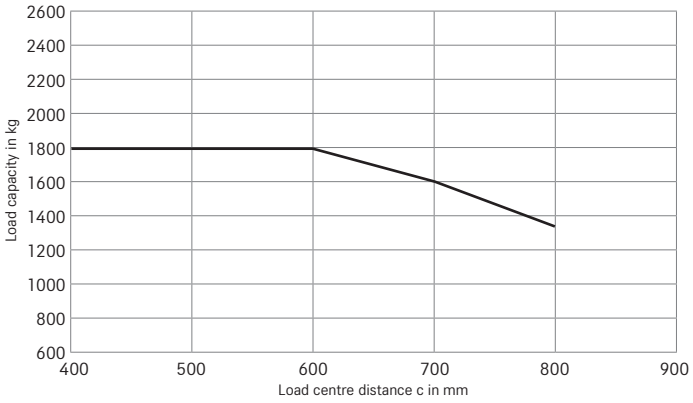
Load capacity FXR 16C Standard Mast



Load capacity FXR 16C Plus Mast



Load capacity FXR 18C Plus Mast

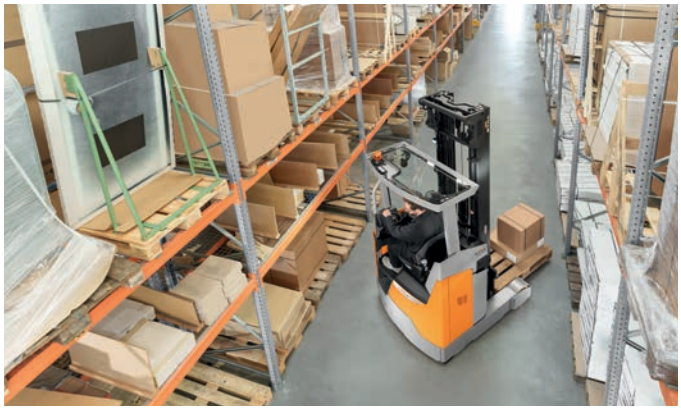




Easy and precise operation of all main functions without changing grip with the ergonomic Joystick 4Plus and intuitive menu navigation via the smart 4.3" touch display



Optimal availability is ensured by the integrated lithium-ion battery and the optional fast charging access



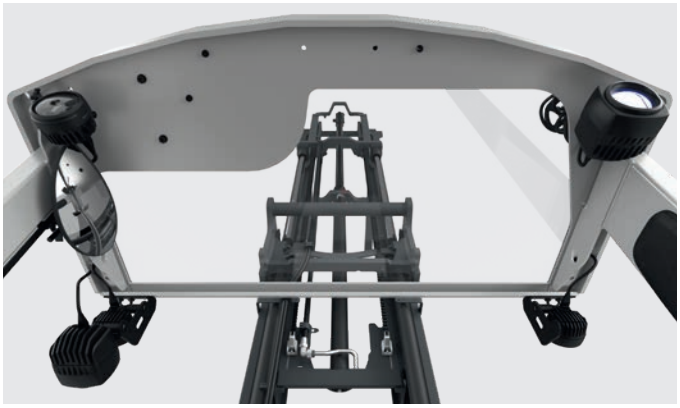
Impressively manoeuvrable thanks to its compact working aisle width and small l_2 dimension



The sideshift mast helps to ensure optimal visibility and, as a result, increased flexibility in the storage process. It reduces the number of hydraulic hoses in the mast



All the important information at a glance: scanners, terminals and screens can be attached to the optional item rail quickly and flexibly



Excellent visibility and reliable protection thanks to a sturdy driver's roof made of bulletproof glass



Enhanced visibility and vehicle recognition with optional STILL Safety Lights



Curve Speed Control automatically reduces speed when cornering – for greater operational safety and less damage to goods



The STILL card can be used to store authorisation for accessing one or more vehicles. Simply tap the card to log in and tap it again to log out



Super-easy operation of all functions via the intuitive, 4.3-inch touchscreen menu



Precision made easy with optical or mechanical lift height measurement, enabling smart assistance functions such as final lift cut-off and lift height display



The optional height-adjustable footrest, driver's seat and steering wheel provide flexible adjustment options, allowing for an ergonomic and individually adjustable driving position

FXR C Reach Truck
Reach high. Work smart.

Optimised efficiency for daily operation with smart variants and assistance functions

Compact on the outside, powerful on the inside – ready for use in the tightest of spaces

Smart investment: premium performance and reliability at an outstanding price/performance ratio



Move lots of goods in a small space and in a short time. That is the motto of the FXR 14C-18C. This compact reach truck ensures efficient process optimisation and high storage density with up to 625 kg at heights of up to 11 metres, whether in single or double-shift operation. At a height of 9 meters, residual capacities of up to 1325 kg are possible. With its compact dimensions and reduced working aisle width, the FXR 14C-18C performs excellently in small warehouses and narrow aisles – and, thanks to the Drive Speed Plus option and a top speed of 12 km/h, also over longer distances. Safety systems such as Curve Speed Control, automatic travel speed reduction in the main lift, the LED lift height sensor or the optional fork camera ensure maximum safety and precision – even for inexperienced operators. Thanks to the integrated lithium-ion battery with fast-charging capability, the FXR 14C-18C is always ready for action when you need it. And as part of your fleet, it can be easily and seamlessly integrated into our fleet management solution, STILL Smart Portal. All of this makes this smart warehouse assistant the ideal complement to the FM-X, which is designed for demanding applications and rack heights of up to 14 metres. The more compact FXR 14C-18C is the perfect and cost-effective choice if you are looking for a highly efficient and safe solution for moderate applications and lower usage frequencies, for example in wholesale and retail or in logistics companies.





Simply easy

- Agile manoeuvrability thanks to its slim dimensions and compact cab design
- Precision made easy – with innovative controls and a choice of mechanical or LED lift height measurement for simple and error-free control of the lifting functions
- Smart workstation: intuitive operation and customised setting options via the modern 4.3" touch display with smartphone holder and USB port
- Simply ergonomic – thanks to customisable seating options and adjustments, as well as fatigue-free control and operation via joystick or touch

Simply powerful

- Efficient goods handling thanks to a residual load capacity of up to 1325 kg, a storage height of up to 11 metres and a maximum travel speed of 10 km/h. The optional Drive Speed Plus feature allows speeds of up to 12 km/h, enabling even higher throughput
- Reliable turnover and high lifting and lowering speeds thanks to a powerful, low-maintenance 12 kW lift motor and the optional Lift Speed Plus
- Non-stop performance: easily manage one and two-shift operations thanks to battery capacities of up to 21.5 kWh or 414 Ah
- Performance you can count on: the reach truck's robust design ensures reliable performance and a long service life

Simply safe

- High level of safety when manoeuvring: the slim design and compact cab concept ensure impressive manoeuvrability and the ability to navigate safely even in narrow aisles and small warehouses
- Optimal visibility of the load wheels in every application scenario thanks to the sideshift mast and integrated battery concept
- Safe driving on all routes as standard thanks to Curve Speed Control and the driving speed limitation function in main lift mode
- Maximum workplace safety thanks to smart features such as the STILL Safety Light, the non-slip step, panoramic rear-view mirrors, an optional bulletproof glass roof and the lowering protection in the rack

Simply flexible

- The reach truck helps you to achieve smart space utilisation at storage heights of up to 11 metres – even in narrow aisles
- Flexible application options: the compact cab and reduced working aisle width mean that the FXR 14C-18C can also work efficiently, quickly and safely in small warehouses and narrow aisles
- Maximum comfort in every situation thanks to customisable driver's seat settings, such as the height-adjustable footrest
- The perfect fit for every application through the flexible configuration of the steering, with the choice of 190°, 360° or variably switchable

Simply connected

- Optional access protection helps to ensure controlled use and protection against incorrect operation
- Possible integration into material management systems via MMS preparation
- Uncomplicated and fast service analysis and parameterisation of settings through the CAN bus interface
- The straightforward integration of the vehicle with the Smart Portal fleet management solution enables reliable access control via chip, PIN or customer card



Smart Hardware
STILL Smart Portal uses state-of-the-art IoT hardware to collect and transmit operating data – for maximum transparency and control

Smart Fleet Management
Provides clear access rules, records vehicle movements, detects shock events and minimises risks through digital security checks

Smart Analytics
Precise analytics to continuously improve your fleet efficiency

Smart Energy
The system optimises charging processes, creates transparency in charging behaviour and reduces energy costs



A comprehensive overview of your vehicles' use, condition and costs is crucial to ensuring their availability, safety and cost-effectiveness. The STILL Smart Portal allows you to manage your entire fleet on a single digital platform. All relevant data, from driver management and safety to cost control and energy management, is always available, enabling you to make informed decisions. The Smart Portal's modular structure allows you to use only the functions relevant to your business.



FXR C Reach Truck
Equipment Variants



		FXR 14C	FXR 16C	FXR 18C
Operator's cab	Armoured-glass overhead guard	○	○	○
	Steering wheel adjustment	●	●	●
	Mechanically cushioned standard seat, fabric	●	●	●
	Mechanically cushioned standard seat, PVC	○	○	○
	Mechanically cushioned Grammer MSG 65 comfort seat with lumbar support and optional seat heating, fabric	○	○	○
	Mechanically cushioned Grammer MSG 65 comfort seat with lumbar support and optional seat heating, PVC	○	○	○
	Safety belt for Grammer comfort seat	○	○	○
	Mechanical height adjustment of the footplate	○	○	○
	Joystick 4Plus operation (hydraulic control system without changing grip)	●	●	●
	Fingertip controls (hydraulic control system with four individual levers)	○	○	○
	Integrated storage facilities, beverage holder	●	●	●
	Panoramic rear-view mirror	○	○	○
	Overhead guard with Makrolon	○	○	○
	Modern 4.3" touch display	●	●	●
	Smartphone holder	○	○	○
	USB port	○	○	○
	Item rail on the overhead guard	○	○	○
Steering	Fully electric 360° steering	○	○	○
	Fully electric 190° steering	○	○	○
	Fully electric reverse steering	○	○	○
	Fully electric switchable steering	○	○	○
Mast	Triplex free view mast with 'Standard' free lift	●	●	–
	Triplex free view mast with 'Plus' free lift	○	○	●
	Hydraulic mast for lateral shifting with mast tilt	●	●	●
	Hydraulic sideshifter with fork tilt	○	○	○
	Mast reach damping system	○	○	○
	End-of-lift damping	○	○	○
	Automatic fork centering at the touch of a button	○	○	○
	Mechanical lift height measurement (Standard Mast)	○	○	○
	Optical lift height sensor*	○	○	●
	Dynamic Load Control **	○	○	○
Hydraulics	Ancillary hydraulics, onefold	○	○	○
	Individual parametrisation options for hydraulic functions	●	●	●
	Multiple hydraulic movements can be controlled simultaneously	●	●	●
Drives	Smooth, continuous acceleration to maximum speed	●	●	●
	Maintenance-free drives for driving, steering and lifting	●	●	●
	Fully enclosed component, impervious to dirt and dust	●	●	●
	Integral current and temperature sensors for function monitoring	●	●	●
Brake	Generator braking system	●	●	●
	Energy recovery when braking	●	●	●
	Hydraulic impeller brake as additional brake	●	●	●
	Electromagnetic disc brake as parking brake and emergency stop	●	●	●
Safety and performance	PIN code access, keyless, with button	○	○	○
	RFID access by card or chip	○	○	○
	Indicator light	○	○	○
	Rotating beacon	○	○	○
	Safety Light and Safety Light 4Plus	○	○	○
	LED headlights	○	○	○
	Steering angle-dependent speed control system – Curve Speed Control	●	●	●
	Stroke shut-off for intermediate stroke and/or end stroke limiting	○	○	○
	Lift height display	○	○	○
	Creep speed in mast lift mode	●	●	●
	Creep speed at a user-defined lift height	○	○	○
	Smart Portal fleet management: access authorisation, impact detection, reports	○	○	○
	Acoustic driving warning signal (Digisound)	○	○	○
	LiftSpeed Plus (Plus Mast)	○	○	○
	DriveSpeed Plus – 12 km/h maximum speed	○	○	○
	Fork tip camera	○	○	○
	Easy Target lift height preselection system with Easy Target Plus**	○	○	○
	Active load stabilisation**	○	○	○
	Fork lowering protection	○	○	○
Battery system	Integrated lithium-ion battery 276 Ah/14.3 kWh	●	●	●
	Integrated lithium-ion battery 414 Ah/21.5 kWh	○	○	○
	Fast charging access	○	○	○
Additional accessories	Various fork lengths	○	○	○
	Preparation for data terminal	○	○	○
	Automatic fork tilt and side shift centring at the press of a button	○	○	○
	Side wheel cover	○	○	○
	Shift and lowering lock	○	○	○

● Standard ○ Option — Not available
* Standard on the Plus Mast
** available in 2027

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

FXR C EN 05/26 Subject to technical modifications.