

FXR 14C-16C Technical Data

Reach Truck

FXR 14C

FXR 16C



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
	1.2	Manufacturer's type designation			FXR 14C/Li-Ion	FXR 16C/Li-Ion
	1.3	Drive			Electric	Electric
	1.4	Operation			Seated	Seated
	1.5	Load capacity/load	Q	kg	1400	1600
	1.6	Load centre	c	mm	600	600
Weights	1.8	Load distance	x	mm	256	357
	1.9	Wheel base	y	mm	1275	1381
	2.1	Service weight (incl. battery)		kg	3015	3059
	2.3	Axle load, unladen	drive end/load end	kg	1748/1267	1846/1213
	2.4	Axle load, fork advanced, laden	drive end/load end	kg	490/3925	466/4193
Tyres/chassis	2.5	Axle load, fork retracted, laden	drive end/load end	kg	1370/3045	1565/3094
	3.1	Tyres			Polyurethane	Polyurethane
	3.2	Tyre size	drive end	mm	Ø 360 x 130	Ø 360 x 130
	3.3	Tyre size	load end	mm	Ø 285 x 100	Ø 285 x 100
	3.5	Number of wheels (x = driven)	drive end/load end		1x/2	1x/2
	3.7	Track width	load end	b ₁₁	mm	1167
	3.9	Wheels braked, number of service brakes			2	2
Basic dimensions	3.10	Wheels braked, parking brake			1	1
	4.1	Tilt of mast/fork carriage	forward/backward	α/β	°	1/2 (h ₃ < 6200 mm) 0.5/2 (h ₃ > 6200 mm)
	4.2	Height of mast	mast retracted	h ₁	mm	2685
	4.3	Free lift		h ₂	mm	2130
	4.4	Lift		h ₃	mm	6470
	4.5	Height of mast	mast extended	h ₄	mm	7025
	4.7	Height to top of overhead guard (cab)		h ₆	mm	2245
	4.8	Seat height		h ₇	mm	1183
	4.10	Height of load arms		h ₈	mm	308
	4.19	Overall length		l ₁	mm	2381
	4.20	Length including fork backs		l ₂	mm	1231
	4.21	Overall width		b ₁ /b ₂	mm	1270
	4.22	Fork dimensions	DIN ISO 2331	s/e/l	mm	40/80/1150
	4.23	Fork carriage ISO 2328, class/type A, B			2/A	2/A
	4.24	Fork carriage width		b ₃	mm	840
	4.26	Distance between wheel arms/loading surfaces		b ₄	mm	920
	4.28	Reach distance		l ₄	mm	439
	4.31	Ground clearance below mast, laden		m ₁	mm	75
	4.32	Ground clearance, centre of wheel base		m ₂	mm	50
	4.34.1	Working aisle width with 1000 x 1200 pallet crossways		A _{st}	mm	2653
	4.34.2	Working aisle width with 800 x 1200 pallet lengthways		A _{st}	mm	2723
	4.35	Turning radius		W _a	mm	1498
	4.37	Length across load arms		l ₇	mm	1633
Performance data	4.43	Step height			mm	350
	5.1	Travel speed	laden/unladen		km/h	10/10
	5.1.1	Driving speed backwards	laden/unladen		km/h	10/10
	5.2	Lifting speed	laden/unladen		m/s	0.55/0.56
	5.3	Lowering speed	laden/unladen		m/s	0.57/0.55
	5.4	Reaching speed	laden/unladen		m/s	0.17/0.17
	5.7	Gradeability	laden/unladen		%	10/10
	5.8	Max. gradeability	laden/unladen		%	10/10
	5.9	Acceleration speed (to 10 m)	laden/unladen		s	5.5/5.5
	5.10	Service brake			hydraulic/ mechanic	hydraulic/ mechanic
Electric motor	6.1	Drive motor rating S2 = 60 min		kW	5.7	6.5
	6.2	Lift motor rating S3 = 15 %		kW	12	13
	6.3	Battery according to DIN 43531/35/36 A, B, C, no			Li-Ion	Li-Ion
	6.4	Battery voltage/rated capacity K ₅		V/Ah	48/414	48/414
	6.5	Battery weight (depending on manufacturer ±5 %)		kg	269	269
	6.6	Energy consumption according to VDI cycle		kWh/h	2.7	2.9
	6.6.1	CO ₂ equivalent values		m_CO ₂	1,46	1,57
	6.7	Handling capacity according to VDI 2198		t/h	53	59
Misc.	6.8	Handling capacity according to VDI 2198		t/kWh	21	22
	10.7	Sound pressure level, operator's position		dB(A)	65	65

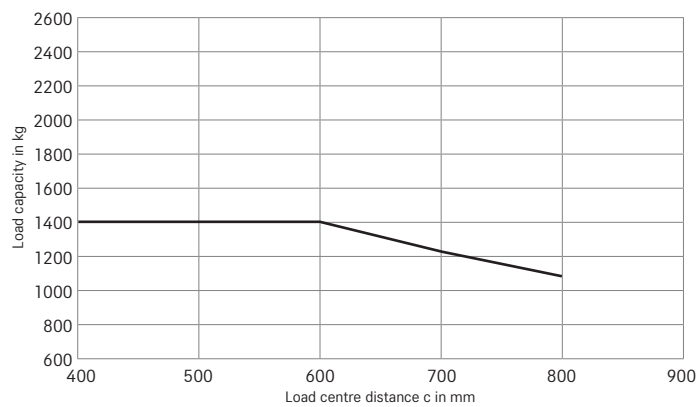


	Triplex			
	Height, mast lowered h_1 in mm	Free lift h_2 in mm	Lift h_3 in mm	Height, mast extended h_4 in mm
FXR 14C/FXR 16C	2035	1469	4520	5075
	2185	1619	4970	5525
	2235	1669	5120	5675
	2285	1719	5270	5825
	2385	1819	5570	6125
	2435	1869	5720	6275
	2485	1919	5870	6425
	2585	2019	6170	6725
	2685	2119	6470	7025
	2785	2219	6770	7325
	2885	2319	7070	7625
	2985	2419	7370	7925
	3085	2519	7670	8225
	3185	2619	7970	8525
	3285	2719	8270	8825
	3385	2819	8570	9125
	3535	2969	9020	9575

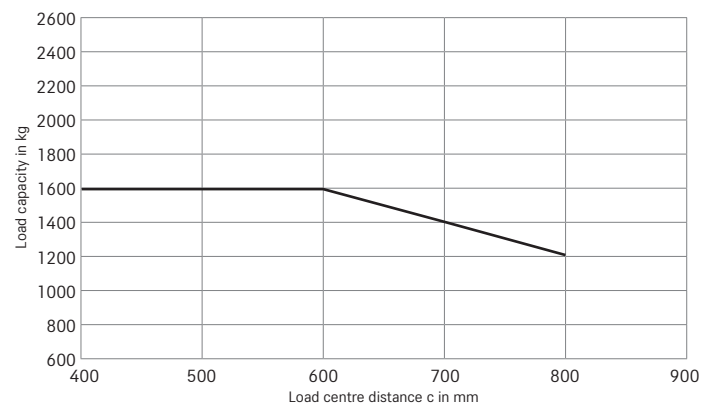
FXR C Reach Truck Basic Load Capacities



Load capacity FXR 14C



Load capacity FXR 16C



FXR C Reach Truck

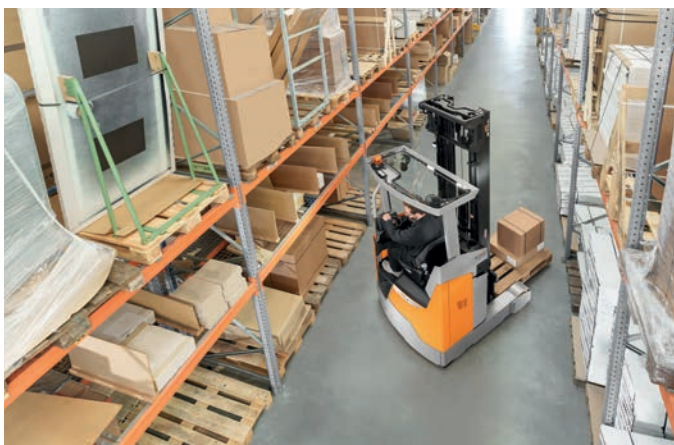
Detailed Photos



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.



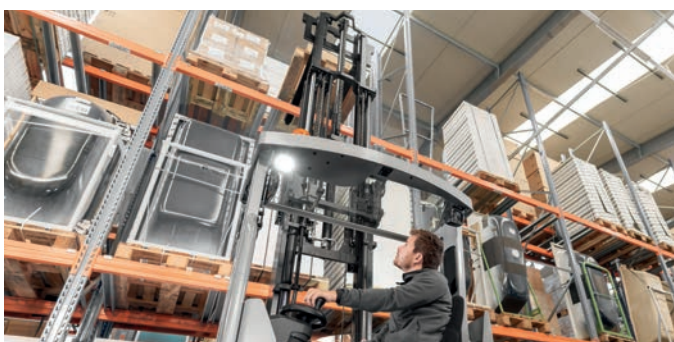
Impressively manoeuvrable thanks to its compact working aisle width and small I_2 dimension.



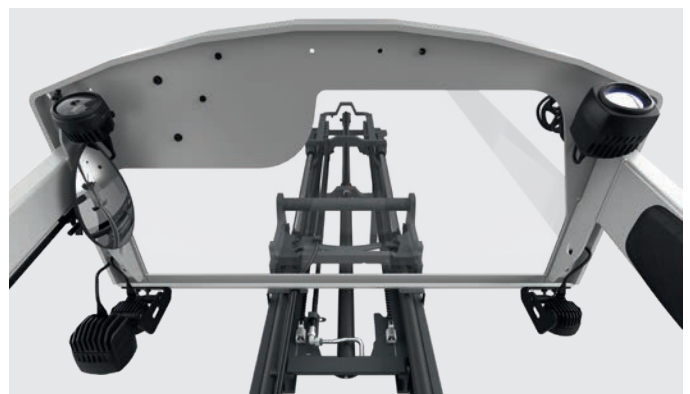
The sideshift mast helps to ensure optimal visibility and, as a result, increased flexibility in the storage process. It reduces the number of hydraulic hoses in the mast.



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



Precision made easy with mechanical lift height measurement. This enables smart assistance functions such as the end stroke limit and lift height display.



Optimal visibility and reliable protection thanks to the sturdy overhead guard – optionally available with steel struts or armoured glass.

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 a lot of goods within a small space and a short period of time. That is the motto of the FXR 14C-16C. And rightly so. The compact reach truck ensures efficient process optimisation and high-density storage at heights of up to nine metres in one or two-shift operation. Its compact dimensions and reduced working aisle width mean that the FXR 14C-16C is also a class act in small warehouses and narrow aisles. Standard safety systems, such as Curve Speed Control and the driving speed limitation function in main lift mode, also ensure maximum safety – even for users with little experience. And last but not least, thanks to its innovative lithium-ion battery – optionally even with fast

charging access – the FXR 14C-16C is always ready for use when you need it.

All this makes the 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-16C, on the other hand, is the perfect, economically attractive choice if you are looking for a highly efficient and safe solution for medium-duty applications and a lower frequency of use, for example in the wholesale and retail trade or in logistics companies.

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



Simply easy

- Agile manoeuvrability thanks to its slim dimensions and compact cab design
- Precision made easy – with innovative operating elements and mechanical 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 – as a result of the customised seat variants and settings as well as fatigue-free control and operation



Simply powerful

- Efficient goods handling with a residual load capacity of up to 940 kg, a storage height of up to 9 metres and a maximum driving speed of 10 kilometres per hour
- Reliable handling and high lifting and lowering speeds with the powerful and low-maintenance 12 kW lift motor
- 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

- Optimal work safety thanks to smart safety features such as the STILL Safety Light, the non-slip step, panoramic rear-view mirrors and the optional armoured glass roof



Simply flexible

- The reach truck helps you to achieve smart space utilisation at storage heights of up to 9 metres – even in narrow aisles
- Flexible application options: the compact cab and reduced working aisle width mean that the FXR 14C-16C can also work efficiently, quickly and safely in small warehouses and narrow aisles
- Customised operator's workstation settings ensure maximum working comfort in every application
- 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

FXR C Reach Truck

Equipment Variants



		FXR 14C	FXR 16C
Operator's cab	Armoured-glass overhead guard	○	○
	Steering wheel adjustment	●	●
	Mechanically cushioned standard seat, fabric	○	○
	Mechanically cushioned standard seat, PVC	○	○
	Mechanically cushioned Grammer 522 comfort seat with lumbar support and optional seat heating, fabric	○	○
	Mechanically cushioned Grammer 522 comfort seat with lumbar support and optional seat heating, PVC	○	○
	Safety belt for Grammer comfort seat	○	○
	Footplate adjustment*	—	—
	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	○	○
Steering	Item rail on the overhead guard	○	○
	Fully electric 360° steering	○	○
	Fully electric 190° steering	○	○
	Fully electric inverted 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	○	○
	Mechanical lift height measurement	○	○
Hydraulics	Optical lift height sensor*	—	—
	Ancillary hydraulics, one- fold or twofold*	—	—
	Individual parametrisation options for hydraulic functions	●	●
Drives	Multiple hydraulic movements can be controlled simultaneously	●	●
	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	●	●
	Smart Portal: access authorisation, shock detection, reports*	—	—
	Acoustic driving warning signal (Digisound)	○	○
	LiftSpeed Plus*	—	—
	DriveSpeed Plus - 12 km/h maximum speed*	—	—
Battery system	Fork carriage camera*	—	—
	Fork tip camera*	—	—
	Integrated lithium-ion battery 276 Ah/ 14.3 kWh	○	○
	Integrated lithium-ion battery 414 Ah/21.5 kWh	○	○
Additional accessories	Fast charging access	○	○
	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	○	○
	Dual-pedal control*	—	—

● Standard ○ Option — Not available

*available from 1 April 2026



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

