



FM-X 10 (10 N)

FM-X 12 (12 N)

FM-X 14 (14 N)

FM-X 17 (17 N)

FM-X 20 (20 N)

FM-X 25



Rider Reach Trucks.



first in intralogistics

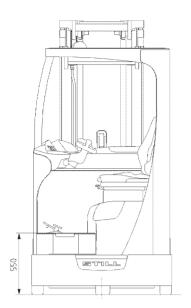
In accordance with VDI guidelines 2198, this specification sheet applies to the standard model only. For special masts, attachments etc. specifications may vary.

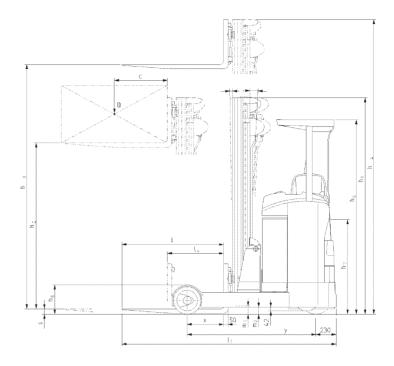
	/coldi i	masts, attachments etc. specifications may vary.				
	1.1	Manufacturer			STILL	STILL
İ	1.2	Manufacturer's model designation			FM-X 10	FM-X 12
_	1.3	Drive (electric, diesel, petrol, LPG)			Electric	Electric
Description	1.4	Operation (hand, pedestrian, stand-on, rider seated)			Seat	Seat
scri	1.5	Load capacity	a	kg	1000	1200
å	1.6	Load centre	С	mm	600	600
İ	1.8	Load distance <sup>1)</sup>	X	mm	239	311
1	1.9	Wheel base	V	mm	1237	1309
	2.1	Tare weight incl. battery	,	kg	2872	2889
ıts	2.3	Axle load closed fork, without load, drive side/load side		kg	1806/1066	1863/1026
Weights	2.4	Axle load extended fork, with load, drive side/load side		kg	735/3137	664/3425
=	2.5	Axle load closed fork, with load, drive side/load side		kg	1483/2389	1563/2526
	3.1	Tyres (solid rubber, Polyurethane, air)		- κε	Polyurethane	Polyurethane
*	3.2	Tyre size drive side		mm	360x130	360x130
Wheels   track	3.3	Tyre size load side		mm	310x102	310x102
<u>\sigma</u>	3.5			mm	2/1 x	2/1 x
l be		Wheels, number (x = driven) load side/drive side	h.	mm		i e
≤	3.6	Track width, load side	b10	mm	1140	1140
$\vdash$		Track width, drive side	b11	mm °		1/3
	4.1	Mast/fork carriage tilt, forward/backward <sup>9</sup> Closed mast height	h		1/3 2450	2450
	4.2	Ü	hı	mm	1890	1890
	4.3	Free lift	h <sub>2</sub>	mm		
	4.4	Lift	h <sub>3</sub>	mm	5750	5750
	4.5	Extended mast height	h <sub>4</sub>	mm	6310	6310
1	4.7	Height over OHG (cabin)	h <sub>6</sub>	mm	2200	2200
	4.8	Height of seat/stand	hz	mm	1050/550	1050/550
		0 0:	he	mm	330	330
	4.19		l <sub>1</sub>	mm	2379	2379
ioi	4.20			mm	1229	1229
Basic dimensions	4.21	Overall width	b1/b2	mm	1250/1220	1250/1220
<del> </del>			s/e/I	mm	40/80/1150	40/100/1150
asic		Fork carriage DIN 15173, class/form A, B	I.		2/A	2/A
l <sup></sup>		Width of fork carriage, top/bottom	b <sub>3</sub>	mm	850/730 GN/SS 850/650 600	850/730 GN/SS 850/650
	4.25					
1			bs	mm		620
	4.26	Width between straddle legs/load platform	b4	mm	920	920
	4.26 4.28	Width between straddle legs/load platform Forward shift <sup>1)</sup>	b4 I4	mm mm	920 458	920 530
	4.26 4.28 4.31	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load	b4 I4 m1	mm mm mm	920 458 90	920 530 90
	4.26 4.28 4.31 4.32	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load Floor clearance at centre of wheel base	b4 I4 m1 m2	mm mm mm mm	920 458 90 81	920 530 90 81
	4.26 4.28 4.31 4.32 4.33	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise <sup>2)</sup>	b4 I4 m1 m2 Ast	mm mm mm mm	920 458 90 81 2638	920 530 90 81 2654
	4.26 4.28 4.31 4.32 4.33 4.34	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise <sup>2)</sup> Width of working aisle for 800 x 1200 pallets lengthwise <sup>2)</sup>	b4 I4 m1 m2 Ast Ast	mm mm mm mm mm	920 458 90 81 2638 2709	920 530 90 81 2654 2715
	4.26 4.28 4.31 4.32 4.33 4.34 4.35	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise <sup>2)</sup> Width of working aisle for 800 x 1200 pallets lengthwise <sup>2)</sup> Turning radius	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm	920 458 90 81 2638 2709 1468	920 530 90 81 2654 2715 1540
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37	Width between straddle legs/load platform Forward shift <sup>1)</sup> Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise <sup>2)</sup> Width of working aisle for 800 x 1200 pallets lengthwise <sup>2)</sup> Turning radius Length incl. load wheels	b4 I4 m1 m2 Ast Ast	mm mm mm mm mm mm	920 458 90 81 2638 2709 1468 1641	920 530 90 81 2654 2715 1540
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm	920 458 90 81 2638 2709 1468 1641 12/12	920 530 90 81 2654 2715 1540 1713
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70
nnce	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2 5.3	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm mm mm mm	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50
ormance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2 5.3 5.4	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm mm mm mm	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15
erformance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2 5.3 5.4 5.7	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Climbing capacity with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15
Performance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm mm mm km/h m/s m/s m/s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20
Performance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2 5.3 5.4 5.7 5.8 5.9	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m)	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6
Performance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 4.37 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm mm km/h m/s m/s % % s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.,mech.	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech.
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise² Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s % %	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.,mech. 6.5	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise² Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15%	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm mm km/h m/s m/s % % s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.,mech. 6.5	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s % s	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.,mech. 6.5 13 IEC 254-2, C	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity Ks	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm km/h m/s m/s m/s kw kw	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.mech. 6.5 13 IEC 254-2, C	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C
Electric motors Performance	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity K₅ Weight of battery +/- 5% (depending on the manufacturer)	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm km/h m/s m/s % % s kW kW	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr.,mech. 6.5 13 IEC 254-2, C	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 6.1 6.2 6.3 6.4 6.5 6.6	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity Ks Weight of battery +/- 5% (depending on the manufacturer) Power consumption according to VDI cycle	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm mm mm km/h m/s m/s m/s kw kw	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr,mech. 6.5 13 IEC 254-2, C 420 750	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C 420 750
Electric motors	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 6.1 6.2 6.3 6.4 6.5 6.6 8.1	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity Ks Weight of battery +/- 5% (depending on the manufacturer) Power consumption according to VDI cycle Type of steering control	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s % % s kW kW	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr,mech. 6.5 13 IEC 254-2, C 420 750  Three-phase	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C 420 750  Three-phase
Electric motors	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.7 5.8 5.9 5.10 6.1 6.2 6.3 6.4 6.5 6.6 8.1 8.2	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity Ks Weight of battery +/- 5% (depending on the manufacturer) Power consumption according to VDI cycle Type of steering control Operating pressure for attachments	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s % % s kw kw	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr,mech. 6.5 13 IEC 254-2, C 420 750 Three-phase	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr,mech. 6.5 13 IEC 254-2, C 420 750 Three-phase
	4.26 4.28 4.31 4.32 4.33 4.34 4.35 5.1 5.2 5.3 5.4 5.7 5.8 5.9 6.1 6.2 6.3 6.4 6.5 6.6 8.1	Width between straddle legs/load platform Forward shift¹¹ Floor clearance beneath mast with load Floor clearance at centre of wheel base Width of working aisle for 1000 x 1200 pallets crosswise²¹ Width of working aisle for 800 x 1200 pallets lengthwise²¹ Turning radius Length incl. load wheels Driving speed with/without load Lift speed with/without load Lowering speed with/without load Shift speed with/without load Shift speed with/without load Max. climbing capacity with/without load Max. climbing capacity with/without load Acceleration time with/without load (over 10 m) Operation brake Drive motor, S2 performance 60 min Lift motor, S3 performance 15% Battery according to IEC 254-2; A,B,C, no Battery voltage, nominal capacity Ks Weight of battery +/- 5% (depending on the manufacturer) Power consumption according to VDI cycle Type of steering control	b4 I4 IM1 IM2 Ast Ast Wa	mm mm mm mm mm mm mm mm km/h m/s m/s % % s kW kW	920 458 90 81 2638 2709 1468 1641 12/12 0.47/0.70 0.56/0.50 0.15 10/15 15/20 4.8/4.5 gen./hydr,mech. 6.5 13 IEC 254-2, C 420 750  Three-phase	920 530 90 81 2654 2715 1540 1713 14/14 0.45/0.70 0.56/0.50 0.15 10/15 15/20 4.9/4.6 gen./hydr.,mech. 6.5 13 IEC 254-2, C 420 750  Three-phase

All measurements including sideshift mast or sidshift forks (carriage)  $^{1)}$  Reduced in steps of 72 mm depending on the size of the battery.  $^{2)}$   $A_{st}$  extended in steps of 72 mm depending on the size of battery.

<sup>&</sup>lt;sup>3)</sup> May vary according to the mast, with side shift/fork tilt  $2^{\circ}/4^{\circ}$ . <sup>4)</sup> Shift speed 0.13 m/s for closed mast heights  $h_1 = 3,600$  mm and above.

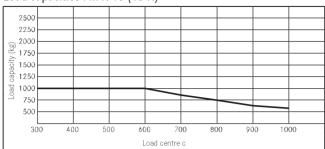
STILL	STILL	STILL	STILL
FM-X 14	FM-X 17	FM-X 20	FM-X 25
Electric	Electric	Electric	Elektro
Seat	Seat	Seat	Seat
1400	1700	2000	2500
600	600	600	600
347	409	409	481
1381	1453	1525	1669
3174	3191	3408	3819
1998/1176	2050/1141	2162/1246	2413/1406
601/3973	484/4407	501/4907	585/5734
1702/2872	1791/3100	1870/3538	2184/4135
Polyurethane	Polyurethane	Polyurethane	Polyurethane
360x130	360x130	360x140	360x140
31 0x1 02	310x102	310x112	31 0x11 2
2/1 x	2/1 x	2/1 x	2/1 x
1140	1140	1150	1150
=	_	-	-
1/3	1/3	1/3	1/3
2450	2450	2450	2450
1890	1880	1880	1828
5750	5750	5580	5580
6310	6320	6150	6202
2200	2200	2235	2235
1050/550	1050/550		
330	330	1085/585 332	1085/585
2415	2425	2497	2569
1265	1275	1347	1419
1250/1220	1250/1220	1270/1220	1270/1220
40/100/1150	50/100/1150	50/100/1150	50/120/1150
2/A	2/A	2/A	2/A
850/730 GN/SS 850/650	850/730 GN/SS 850/650	850/730 GN/SS 850/650	850/730 GN/SS 850/650
620	620	620	640
920	920	920	920
565	633	633	710
90	90	90	100
81	81	81	81
2699	2727	2800	2894
2755	2771	2844	2923
1612	1684	1757	1900
1785	1857	1935	2073
14/14	14/14	14/14	14/14
0.43/0.68	0.40/0.68	0.34/0.58	0.30/0.50
0.56/0.52	0.55/0.52	0.53/0.50	0.52/0.50
0.15	0.15	0.15	0.15
10/15	10/15	10/15	10/15
15/20	15/20	15/20	15/20
5.1/4.7	5.3/4.8	5.5/5	5.5/5
gen./hydr.,mech.	gen./hydr.,mech.	gen./hydr.,mech.	gen./hydr.,mech.
6.5	6.5	6.5	6.5
13	13	13	13
IEC 254-2, C	IEC 254-2, C	IEC 254-2, C	IEC 254-2, C
420	48/420	48/560	48/700
750	750	940	1120
730	730	940	1120
Three-phase	Three-phase	Throothers	Thronghan
<u> </u>	<u> </u>	Three-phase	Three-phase
140	140	140	140
18	18	18	18
68	68	68	68



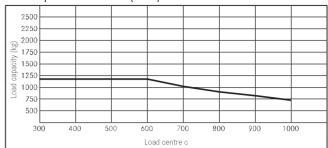


FM-X 10,12/10 N,12 N														
hı Closed mast height	mm	1950	2250	2450	2700	2900								
h <sub>2</sub> Free lift	mm	1390	1690	1890	2140	2340								
h₃ Lift	mm	4250	5150	5750	6500	7000								
h4 Extended mast height	mm	4810	5710	6310	7060	7560								
Mast tilt forward/backward FM-X	0	1°/3°	1°/3°	1°/3°	0,5°/2°	0,5°/2°								
Mast tilt forward/backward FM-X N	0	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°								
FM-X 14/14 N														
hı Closed mast height	mm	1950	2250	2450	2700	2900	3200	3400	3600	3900				
h <sub>2</sub> Free lift	mm	1390	1690	1890	2140	2340	2640	2840	3040	3340				
h₃ Lift	mm	4250	5150	5750	6500	7100	8000	8600	9000	9800				
h <sub>4</sub> Extended mast height	mm	4810	5710	6310	7060	7660	8560	9160	9560	10360				
Mast tilt forward/backward FM-X	0	1°/3°	1°/3°	1°/3°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	2°/4°				
Mast tilt forward/backward FM-X N	0	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°				
FM-X 17/17 N														
h <sub>1</sub> Closed mast height	mm	1950	2250	2450	2700	2900	3200	3400	3600	3900	4100			
h₂ Free lift	mm	1380	1680	1880	2130	2330	2630	2830	3030	3330	3530			
h₃ Lift	mm	4250	5150	5750	6500	7100	8000	8600	9000	9800	10200			
h₄ Extended mast height	mm	4820	5720	6320	7070	7670	8570	9170	9570	10370	10770			
Mast tilt forward/backward FM-X	0	1°/3°	1°/3°	1°/3°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	2°/4°	2°/4°			
Mast tilt forward/backward FM-X N	0	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°			
FM-X 20/20 N														
hı Closed mast height	mm	1950	2250	2450	2700	2900	3200	3400	3600	3900	4100	4300	4700	4900
h₂ Free lift	mm	1380	1680	1880	2130	2330	2630	2830	3030	3330	3530	3730	4130	4330
h₃ Lift	mm	4080	4980	5580	6330	6930	7800	8300	8900	9700	10200	10800	11800	12000
h <sub>4</sub> Extended mast height	mm	4650	5550	6150	6900	7500	8370	8870	9470	10270	10770	11370	12370	12570
Mast tilt forward/backward FM-X	0	1°/3°	1°/3°	1°/3°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°
Mast tilt forward/backward FM-X N	0	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°	2°/4°
FM-X 25														
hı Closed mast height	mm	1950	2250	2450	2700	2900	3200	3400	3600	3900	4100	4300	4500	
h <sub>2</sub> Free lift	mm	1328	1628	1828	2078	2278	2578	2778	2978	3278	3478	3678	3878	
h₃ Lift	mm	4080	4980	5580	6330	6930	7800	8300	8900	9700	10200	10800	11400	
h4 Extended mast height	mm	4702	5602	6202	6952	7552	8422	8922	9522	10322	10822	11422	12022	
Mast tilt forward/backward	0	1°/3°	1°/3°	1°/3°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	0,5°/2°	

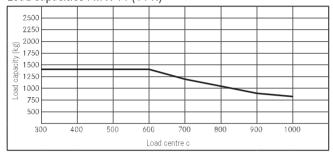
# Load capacities FM-X 10 (10 N)



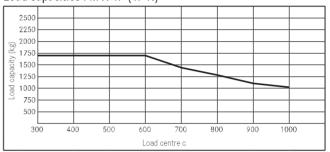
# Load capacities FM-X 12 (12 N)



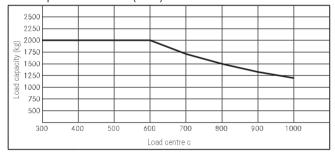
### Load capacities FM-X 14 (14 N)



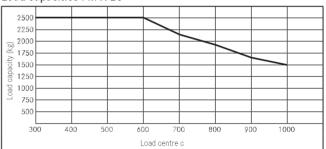
# Load capacities FM-X 17 (17 N)

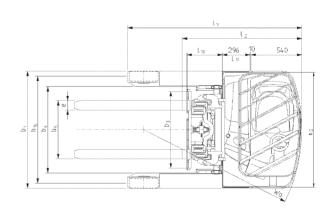


# Load capacities FM-X 20 (20 N)



# Load capacities FM-X 25





In accordance with VDI guidelines 2198, this specification sheet applies to the standard model only. For special masts, attachments, tyres etc. specifications may vary.

FOLS	рестат пта	asts, attachments, tyres etc. specifications may vary.					
	1.1	Manufacturer			STILL	STILL	STILL
1	1.2	Manufacturer's model designation			FM-X 10N	FM-X 12N	FM-X 14N
_	1.3	Drive (electric, diesel, petrol, LPG)			Electric	Electric	Electric
Description	1.4	Operation (hand, pedestrian, stand-on, rider seated)			Seat	Seat	Seat
scri	1.5	Load capacity/load	Q	kg	1000	1200	1400
la	1.6	Load centre	C	mm	600	600	600
i	1.8	Load distance <sup>1)</sup>	X	mm	149	221	266
1	1.9	Wheel base	У	mm	1237	1309	1381
	2.1	Tare weight incl. battery		kg	2825	2842	3127
£	2.3	Axle load closed fork, without load, drive side/load side		kg	1650/1175	1711/1131	1839/1288
Weights	2.4	Axle load extended fork, with load, drive side/load side		kg	610/3215	537/3505	475/4052
<	2.5	Axle load closed fork, with load, drive side/load side		kg	1252/2573	1323/2719	1448/3079
$\vdash$	3.1	Tyres (solid rubber, polyurethane, air)		Ng	Polyurethane	Polyurethane	Polyurethane
*	3.2	Tyre size drive side		Po Po	360x130	360x130	360x130
Wheels   track				mm			
<u>~</u>	3.3	Tyre size load side		mm	310x102	310x102	310x102
hee	3.5	Wheels, number (x = driven) load side/drive side			2/1 x	2/1 x	2/1 x
≥	3.6	Track width, load side	b <sub>10</sub>	mm	1010	1010	1010
<u> </u>	3.7	Track width, drive side	b11	mm	-	-	-
	4.1	Mast tilt/fork tilt forward/backward		٥	2/4	2/4	2/4
	4.2	Closed mast height	h <sub>1</sub>	mm	2450	2450	2450
	4.3	Free lift	h <sub>2</sub>	mm	1890	1890	1890
	4.4	Lift	h3	mm	5750	5750	5750
	4.5	Extended mast height	h <sub>4</sub>	mm	6310	6310	6310
	4.7	Height over OHG (cabin)	h <sub>6</sub>	mm	2200	2200	2200
ı	4.8	Height of seat/stand	h <sub>z</sub>	mm	1050/550	1050/550	1050/550
	4.10	Height of straddle legs/covers	he	mm	330	330	330
	4.19	Overall length <sup>2)</sup>	In In	mm	2469	2469	2496
Sil	4.20	Length incl. fork back <sup>2)</sup>	l <sub>2</sub>	mm	1319	1319	1346
Basic dimensions	4.21	Overall width	b1/b2	mm	1120/1090	1120/1090	1120/1090
ΙĔ	4.22	Dimension of fork teeth	s/e/l	mm	40/80/1150	40/100/1150	40/100/1150
Sic (	4.23	Fork carriage DIN 15173, class/form A, B			2A	2A	2A
82	4.24	Width of fork carriage, top/bottom	bз	mm	850/650	850/650	850/650
l	4.25	Outer fork width	b <sub>5</sub>	mm	600	620	620
	4.26	Width between straddle legs/load platform	b4	mm	790	790	790
	4.28	Forward shift <sup>1)</sup>	I4	mm	387	457	494
ı	4.31	Floor clearance beneath mast with load	m <sub>1</sub>	mm	90	90	90
l	4.32	Floor clearance at centre of wheel base	m <sub>2</sub>	mm	81	81	81
1	4.33	Width of working aisle for 1000 x 1200 pallets crosswise <sup>2)</sup>	Ast	mm	2710	2724	2761
	4.34	Width of working aisle for 800 x 1200 pallets lengthwise <sup>2)</sup>	Ast	mm	2793	2798	2829
	4.35	Turning radius	Wa	mm	1468	1540	1612
	4.37	Length incl. load wheels	<b>I</b> <sub>7</sub>	mm	1641	1713	1785
	5.1	Driving speed with/without load		km/h	12/12	14/14	14/14
	5.2	Lift speed with/without load		m/s	0.47/0.70	0.45/0.70	0.43/0.68
l e	5.3	Lowering speed with/without load		m/s	0.56/0.50	0.56/0.50	0.56/0.52
Performance	5.4	Shift speed with/without load <sup>4)</sup>		m/s	0.15	0.15	0.15
1 1 1	5.7	Climbing capacity with/without load		%	10/15	10/15	10/15
P <sub>e</sub>	5.7 5.8	max. climbing capacity with/without load		%	15/20	15/20	15/20
l	5.9	Acceleration time with/without load (over 10 m)		S	4.8/4.5	4.9/4.6	5.1/4.7
l	5.10	Operation brake			gen./hydr.,mech.	gen./hydr.,mech.	gen./hydr.,mech.
	6.1	Drive motor, S2 performance 60 min		kW	6.5	6.5	6.5
Suc	6.2	Lift motor, S3 performance 15%		kW	13	13	13
Electric motors	6.3	Battery according to IEC 254-2; A,B,C, no		1,7,7	IEC 254-2, B	IEC 254-2, B	IEC 254-2, B
ii:	6.4	Battery voltage, nominal capacity K <sub>5</sub>		V/Ah	420	420	420
lect	6.5	Weight of battery +/- 5% (depending on the manufacturer)		Kg	750	750	750
l "	6.6	Power consumption according to VDI cycle		kWh/h	750	, , , ,	, 00
	8.1	Type of steering control		KTTH/II	Three-phase	Three-phase	Three-phase
=	8.2	Operating pressure for attachments		bar	140	140	140
Other	8.3	Oil quantity for attachments		I/min	18	18	18
ľ	8.4	Noise level at driver's ear		dB(A)	68	68	68
	0.4	I Moise level at allivel 2 eal		up(A)	00	1 00	1 00

All measurements including sideshift mast or sidshift forks (carriage)  $^{1)}$  Reduced in steps of 90 mm depending on the size of the battery.  $^{2)}$   $A_{st}$  extended in steps of 90 mm depending on the size of battery.  $^{3)}$  Shift speed 0.13 m/s for closed mast heights  $h_1=3,600$  mm and above.

STILL	STILL
FM-X 17N	FM-X 20N
Electric	Electric
Seat	Seat
1700	2000
600	600
328	310
1453	1525
3144	3352
1898/1246	1978/1374
356/4488	350/5002
1530/3314	1541/3811
Polyurethane	Polyurethane
360x130	360x140
310x102	310x112
2/1 x	2/1 x
1010	1010
-	-
2/4	2/4
2450	2450
1880	1880
5750	5580
6320	6150
2200	2200
1050/550	1050/550
330	330
2506	2596
1356	1446
1120/1090	1120/1090
50/100/1150	50/100/1150
2A	2A
850/650	850/650
620	620
790	790
565	547
90	90
81	81
2788	2871
2847	2932
1687	1756
1857	1929
14/14	14/14
0.40/0.68	0.34/0.58
0.55/0.52	0.53/0.50
0.15	0.15
10/15	10/15
15/20	15/20
5.3/4.8	5.5/5
gen./hydr.,mech.	gen./hydr.,mech.
6.5	6.5
13	13
IEC 254-2, B	IEC 254-2, B
420	560
750	940
Three-phase	Three-phase
140	140
18	18
68	68
	1 2.0

# Driver's compartment.

- Spacious driver's compartment with adjustable controls. The driver is always inside the contour of the vehicle for maximum safety.
- Damped driver's compartment (optional) reduces shocks from uneven floors and therefore the likelihood of back injuries.
- Proportional adjustment of seat and footplate (optional), electrically controlled. Ergonomic control layout ensures an optimum all-round view regardless of the driver's physique.
- Comfortable, tilting seat with multiple adjustment to suit individual drivers, plus tilting mast, enable a good view of the load while reducing the potential for neck injuries.
- Open access steps allow easy entry and exit.
- Large individual storage compartments, DIN A4 document compartment, bottle holder.
- Overhead guard designed for 360  $^{\circ}$  visibility and maximum safety.

### Controls.

- Ergonomic joystick allows operation of all hydraulic movements without changing grip; integrated buttons control auxiliary hydraulics; stick weighted to enable the driver to "feel" the driving direction; all movements can be operated simultaneously; maintenance-free sensor technology.
- Optional 4-lever control of hydraulic functions.
- Full electric 360° steering (optional 180°) for smooth, precise positioning. The number of revolutions for a 360° steering angle can be set to suit the driver or the conditions in the warehouse.
- Direct-drive safety steering system.
- Self-centring steering for stable, fatigue-free straight-line travel at all speeds.

#### Drives.

- Powerful maintenance-free drives for driving, lifting and steering, with energy recovery during braking.
- Fully encapsulated AC drives, which provide powerful acceleration and regenerative braking, are protected against dust and water ingress.

# Hydraulics.

- Proportional valve technology for silent, fast and sensitive movements
- Noise-optimised pump drive with improved efficiency.
- Automatic fork and side shift centering at the press of a button (optional). Immediate centering ensures the safe alignment of a pallet between the load wheels and horizontal positioning of the forks, especially with height pre-selection systems.
- High throughput of goods is provided by fast, safe working speeds for lifting/lowering, mast shift forwards, sideways and tilt.
- Shift measuring system allows soft and variable speed transitions.
- Single valve block and power chain with hydraulic quick-locks mean low service and maintenance costs.

#### Mast.

- Triplex free view mast with free lift; special profiles with high torsion resistance. Routing chains and pipes within the contour of the cylinders allows maximum visibility through the mast.
- Standard mast side shift with free-view fork carriage. Absence of hydraulic pipes provides greater visibility and also makes for easier serviceability. The mast tilt moves the centre of gravity towards the truck.
- Optional integrated side shift with fork tilt for less movement of loads at high lift heights.
- The narrow construction of the mast allows optimum view around the load.
- End of reach damping minimises mast transition noise.

# Brake system.

- Maintenance-free regenerative braking with energy recovery and high efficiency.
- Maximum safety by 3-circuit brake system. Regenerative braking when releasing the accelerator pedal. When operating the brake pedal additional regenerative deceleration is activated. If the pedal is pressed further the hydraulic load wheel brake is actuated.
- Electromagnetic disc brake for emergency stop and parking.

### Electrical equipment.

- LCD display with automatic brightness adjustment. Clear, user-friendly display of all operating states. Indicator wizard for height pre-selection assists the driver and helps safely increase throughput when stacking and retrieving.
- Truck control with five drive programs. Driving speed, acceleration and braking characteristics can be set independently for each driving direction, and also to suit the driver or the conditions in the warehouse.
- Lift height indication, lift height pre-selection and camera systems all contribute to an efficient warehousing process and help increase the throughput of goods.
- FleetManager or PIN code system and optional keyless access provide an overview of the operation of the fleet and prevent unauthorised use of the vehicle.
- Electrical and mechanical interfaces for easy retro-fitting of warehouse administration and truck control systems.

# Battery.

- Exchange by hoist or, optionally, laterally with roller conveyor.
- High performance reserve for single and multi-shift operations due to battery capacities up to 930 Ah.
- Intelligent battery management limits the maximum current when lifting and ensures a long service life of the battery.

### Service.

- Easy removal of the covers to allow best access for service.
- Simple diagnostics and parameterisation.
- Extended diagnostics via central interface.

### Safety.

- CSC (Curve Speed Control) automatically reduces speed on bends to ensure maximum safety when being operated by inexperienced drivers or handling fragile loads.
- Optispeed system (optional) governs the lift and lower speeds to the maximum safe rate for the load weight and operating height: uncomfortable, stepped speed changes as the mast rises are done away with, the truck always operates at optimum performance, and realisable gains in productivity are achieved. Extended Optispeed packages are available which further adapt truck functions to warehouse conditions.
- The trucks are built in accordance with the EC machinery guideline 98/37/EG and are CE labelled.
- STILL is certified to ISO-9001.

$\Box$							FM-X					
i		10	12	14	17	20	25	10N	12N	14N	17N	20N
	Adjustable position of the steering wheel and horizontal adjustment of the seat	•	•	•	•	•	•	•	•	•	•	•
l	Comfort seat with hydraulic damping and weight adjustment	•	•	•	•	•	•	•	•	•	•	•
ı	Comfort tilt seat	0	0	0	0	0	0	-	-	-	-	-
l	Damped driver's compartment for best comfort on uneven floors and thresholds	0	0	0	0	0	0	-	-	-	-	-
به	Heated seat	0	0	0	0	0	0	0	0	0	0	0
Driver's space	Imitation leather seat with vinyl upholstering	0	0	0	0	0	0	0	0	0	0	0
r's	Proportional adjustment of the seat and foot plate	0	0	0	0	0	0	-	-	-	-	_
l še	Free view mast with view optimised over head guard	•				•						
_	Joystick (hydraulic control without changing grip)	•	•	•	•	•	•	•	•	•	•	•
	Fingertip (hydraulic control with 4 levers)	0	0	0	0	0	0	0	0	0	0	0
	5 driving profiles, selectable by the driver	•	•	•	•	•	•	•	•	•	•	•
	Integrated storage compartments, bottle holder	•	•	•	•	•	•		•	•		•
	Display: clear display of the current status	•	•	•	•	•	•	•	•	•	•	•
<sub>n0</sub>	Full electric 360° degree steering	•	•		•	•	•		•	•		•
Steering	Full electric 180° steering	0	0	0	0	0	0	0	0	0	0	0
Ste	Full electric steering with reverse function	0	0	0	0	0	0	0	0	0	0	0
	Redundant safety system for steering	•	•	•	•	•	•	•	•	•	•	•
	Triplex free view mast with free lift						•			•	•	
۱_	Hydraulic mast side shift with mast tilt	•	•	•	•	•	•	_	-	_	_	_
Mast	Hydraulic side shift with fork tilt	-	0	0	0	0	0		•	•		
-	Mast transition damping	•	•	•	•	•	•	•	•	•	•	•
	Free view fork carriage	•	•		•	•	•	•	•	•		•
	Noise optimised hydraulic pump	•	•	•	•	•	•	•	•	•	•	•
ics	Additional hydraulics, single or double	-	-	0	0	0	0	-	-	0	0	0
Hydraulics	Proportional valve technology for sensitive movements	•	•	•	•	•	•	•	•	•	•	•
<b> </b> ≚	Individual parameterisation of the hydraulic functions	•	•		•	•	•		•	•		•
l	Simultaneous movement of several hydraulic functions	•	•	•	•	•	•	•	•	•	•	•
	Stepless acceleration up to the maximum speed	•	•		•	•	•		•	•		•
les	Maintenance-free drives for driving, lift and steering	•	•	•	•	•	•	•	•	•	•	•
Drives	Fully capsulated components protected against dirt and dust	•	•		•		•		•	•		•
	Integrated current and temperature sensors monitoring the functions	•	•	•	•	•	•	•	•	•	•	•
	Regenerative brake system	•	•	•	•	•	•	•	•	•		•
Brakes	Energy recuperation when braking	•	•	•	•	•	•	•	•	•	•	•
Bra	Hydraulic load wheel brake as additional brake	•	•	•	•	•	•	•	•	•	•	
	Electromagnetic disc brake as parking brake and for emergency stops	•	•	•	•	•	•	•	•	•	•	•
	Keyless pin code access with button	0	0	0	0	0	0	0	0	0	0	0
l	Flash light	0	0	0	0	0	0	0	0	0	0	0
l e	360° light	0	0	0	0	0	0	0	0	0	0	0
performance	Spot lights	0	0	0	0	0	0	0	0	0	0	0
[ 문	Macrolon or mesh wire OHG cover	0	0	0	0	0	0	0	0	0	0	0
l d	Steering angle controlled speed reduction	0	0	0	0	0	0	0	0	0	0	0
safety and	Lift switch-off for intermediate lift and/or lift end position	0	0	0	0	0	0	0	0	0	0	0
afet	Lift height indication	-	0	0	0	0	0	-	0	0	0	0
<u>a</u>	Lift height pre-selection	-	0	0	0	0	0	-	-	0	0	0
Addition	Fleet Manager: access control	0	0	0	0	0	0	0	0	0	0	0
Add	Optispeed: Lift height and load controlled speed reduction	0	0	0	0	0	0	0	0	0	0	0
l	Energy recuperation lowering	-	-	0	0	0	0	-	-	0	0	0
l	Acoustic travel warning (Digisound)	0	0	0	0	0	0	0	0	0	0	0
	Battery exchange by hoist	•	•	•	•	•	•	•	•	•	•	•
E	Battery conveyor for lateral exchange of battery	0	0	0	0	0	0	0	0	0	0	0
Battery system	Tray for 420 Ah battery	•	•	•	•	-	-	•	•	•	•	_
Jy SJ	Tray for 560 Ah battery	0	0	0	0	•	-	0	0	0	0	•
atte	Tray for 700 Ah battery	-	_	0	0	0	•	_	-	0	0	0
ا ش	Tray for 900 Ah battery	-	-	- 1	-	0	0	-	-	-	- 1	0
L	Battery transport and exchange rack	0	0	0	0	0	0	0	0	0	0	0
	Different fork lengths	0	0	0	0	0	0	0	0	0	0	0
	Preparation data terminal	0	0	0	0	0	0	0	0	0	0	0
	Automatic Fork tilt and side shift centring on pressing a button	-	0	0	0	0	0	-	0	0	0	0
	Cold storage version	0	0	0	0	0	0	0	0	0	0	0
	Cold storage package	-	0	0	0	0	0	-	0	0	0	0
aut	Heated comfort cold storage cabin	_	0	0	0	0	_					
Ĭ. Ē.	Heated comfort cold storage cabin, drive in version	-	-	-	-	-	-	-	0	0	0	0
l pp	Track width 1650/1670 mm	-	-	0	0	0	0	-	-	-	-	-
Additional equipment	Load rest	0	0	0	0	0	0	0	0	0	0	0
l ≌	Panoramic rear view mirror	0	0	0	0	0	0	0	0	0	0	0
	Overhead guards for drive-in racks	0	0	0	0	0	0	0	0	0	0	0
Adc	overhead guarde for diffe in racke						0	0	0	0	0	0
Adc	Lateral guide rollers for drive-in racks	0	0	0	0	0						
Adc		0	0	0	0	0	0	0	0	0	0	O
Adc	Lateral guide rollers for drive-in racks						0					0
Adc	Lateral guide rollers for drive-in racks Load wheel covers	0	0	0	0	0	0	0	0	0	0	0





