



FM-SE 14

FM-SE 16

FM-SE 20

# FM-SE Technical Data.

FM-SE Rider-seated reach truck



first in intralogistics

This specification sheet to VDI Guidelines 2198 only gives the technical figures for the standard truck. Different tyres, other masts, additional equipment etc. could give different figures.

_		es, other masts, additional equipment etc. could give different rigures.		1			
	1.1	Manufacturer			STILL	STILL	STILL
Characteristics	1.2	Manufacturer's model designation			FM-SE 14	FM-SE 16	FM-SE 20
	1.3	Drive (electric, diesel, petrol, LPG)			Electric	Electric	Electric
	1.4	Operation (hand, pedestrian, stand on, rider seated)			Rider seated	Rider seated	Rider seated
	1.5	Capacity/load	Q	kg	1400	1600	2000
	1.6	Load centre	С	mm	600/500	600/500	600/500
	1.8	Load distance <sup>2</sup>	Х	mm	326	321	471
	1.9	Wheel base	у	mm	1380	1380	1530
	2.1	Truck weight inc. Battery <sup>4</sup>		kg	3288	3288	3414
Weights	2.3	Axle load forks back, unladen <sup>4</sup> Driver/load end		kg	1962/1326	1962/1326	2216/1198
Wei	2.4	Axle load forks forward, laden <sup>4</sup> Driver/load end		kg	723/3965	675/4213	450/4964
	2.5	Axle load forks back, laden <sup>4</sup> Driver/load end		kg	1697/2991	1738/3150	2016/3398
	3.1	Tyres (rubber, Polyurethane, Superelastic)  Driver/load end			C/SE	C/SE	C/SE
Wheels/chassis	3.2	Tyre size, driver's end			18 x 8 -121/8	18 x 8 -121/8	18 x 8 -121/8
cha	3.3	Tyre size, load end			180/60-10	180/60-10	200/50-10
els,	3.5	Number of wheels (x=driven) Load/driver's end			2/1 x	2/1 x	2/1 x
Whe	3.6	Track width, driver's end	b10	mm	0	0	0
	3.7	Track width, Load end	b <sub>11</sub>	mm	1245	1245	1265
	4.1	Mast/carriage tilt, forward/back		٥	2/4	2/4	2/4
	4.2	Height, mast lowered <sup>1</sup>	h <sub>1</sub>	mm	2225	2225	2225
	4.3	Free lift <sup>1</sup>	h <sub>2</sub>	mm	1361	1361	1361
l	4.4	Lift <sup>1</sup>	hз	mm	4955	4955	4955
İ	4.5	Height, mast raised <sup>1</sup>	h <sub>4</sub>	mm	5695	5695	5395
l	4.7	Height over overhead guard (cab)	h <sub>6</sub>	mm	2246	2246	2246
İ	4.8	Seat height/platform height	h <sub>7</sub>	mm	1076/1166	1076/1166	1076/1166
İ	4.10	Height of straddle arms or load wheel casing	h <sub>8</sub>	mm	476	476	476
	4.19	Overall length	l <sub>1</sub>	mm	2506	2511	2511
SU	4.20	Length including fork backs <sup>2</sup>	12	mm	1356	1361	1361
isio	4.21	Overall width	b1/2	mm	1234/1366	1234/1366	1234/1470
ii.	4.22	Fork dimensions	s/e/l	mm	40 x 80 x 1150	45 x 100 x 1150	45 x 100 x 1150
Basic dimensions		Fork carriage DIN 15173, Class/Form A, B			2/A	2/A	2/A
Bas		Fork carriage width, top/bottom	bз	mm	776	776	776
İ		utside fork width, minimum/maximum		mm	216/597	216/597	216/597
		6 Width between straddle arms/load surfaces		mm	922	922	922
İ		Reach <sup>2</sup>	b <sub>4</sub>	mm	594	594	744
İ		Floor clearance with load under mast	m <sub>1</sub>	mm	90	90	90
İ		Floor clearance, centre of wheel-base	m <sub>2</sub>	mm	145	145	145
İ		Working aisle width with 1000 x 1200 pallet crossways <sup>2</sup>	Ast	mm	2785	2789	2833
İ		Working aisle width with Palette 800 x 1200 pallet lengthways <sup>2</sup>	Ast	mm	2844	2849	2865
İ		Turning radius	Wa	mm	1683	1683	1833
		Length over straddle arms	l <sub>7</sub>	mm	1912	1912	2062
	5.1	Travel speed laden/unladen 4 5		km/h	12.5/12.5	12.5/12.5	12.5/12.5
_	5.2	Hoist speed laden/unladen <sup>5</sup>		m/s	0.42/0.66	0.40/0.66	0.32/0.51
Performance data	5.3	Lowering speed laden/unladen 4		m/s	0.56/0.50	0.56/0.50	0.56/0.52
Jce	5.4	Reach speed laden/unladen 4		m/s	0.15/0.15	0.15/0.15	0.15/0.15
ma		Gradeability laden/unladen		%	4.5/8.2	4.5/8.2	4.5/8.2
irfo	5.8	Max. gradeability laden/unladen		%	10/10	10/10	10/10
ا ۾	5.9	Acceleration time laden/unladen (over 10 m) <sup>5</sup>		S	5.5/4.8	5.5/4.8	5.8/5.0
l		Service brake			generator/hyd.	generator/hyd.	generator/hyd.
	6.1	Drive motor, rating S2 = 60 min		kW	6.5	6.5	6.5
	6.2	Hoist motor, rating at S3 = 15%		kW	14	14	14
E-Motor	6.3	Battery to DIN, IEC, Circuit A, B, C			43531/254-2 C	43531/254-2 C	43531/254-2 C
	6.4	Battery voltage, rated capacity C <sub>5</sub>		V/Ah	48/560	48/560	48/560
	6.5	Battery weight ± 5 % (depends on make)		Kg	939	939	939
	6.6	Energy consumption to VDI cycle		kWh/h			
20	8.1	Drive controller		,	3 phase	3 phase	3 phase
	8.2	Working pressure for attachments		bar	200	200	200
Misc	8.3	Oils flow rate for attachments		I/min	6.5	6.5	6.5
ĺ	8.4	Sound level at driver's ear <sup>7</sup>		dB(A)	63	63	63
	,	Totalia iara de dirior o dar		~2(/ t)		. 30	

<sup>&</sup>lt;sup>1</sup> For other masts see tables

Other battery sizes change these values
 Other masts can change these values

Reduced speeds on request
 Figures stated are for trucks without cab

Rated capacity kg Adjustable height lixury seat with lumbar and weight setting  By Adjustable height driver's sective with humbar and weight setting  By Adjustable height driver's sective with humbar and weight setting  By Adjustable height driver's sective with heater  Color of the control of the color			FM-SE 14	FM-SE 16	FM-SE 20
Part   Part		Rated capacity kg	1.4	1.6	2.0
Be displatable height driver's seat with heater  Driver's compartment with synthetic leather seat  Driver's compartment with obdrived were very season of the properties of th		Adjustable steering wheel position and longitudinal seat adjustment	•	•	•
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Redundant steering resistance Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety		Adjustable height luxury seat with lumbar and weight setting	•	•	•
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Redundant steering resistance Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety	l e	Adjustable height driver's seat with heater	0	0	0
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Pree moving, full electric steering 180° Redundant steering safety system  Triplex clearview mast with free lift  Hydraulic sideshifter with first lit  Mast transition damping Clearview flooring and the state of	lart.	Driver's compartment with synthetic leather seat	•	•	•
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Pree moving, full electric steering 180° Redundant steering safety system  Triplex clearview mast with free lift  Hydraulic sideshifter with first lit  Mast transition damping Clearview flooring and the state of		Driver's compartment with cloth seat	0	0	0
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Pree moving, full electric steering 180° Redundant steering safety system  Triplex clearview mast with free lift  Hydraulic sideshifter with first lit  Mast transition damping Clearview flooring and the state of	50	Clearview mast with optimised view overhead guard	•	•	•
Integral storage facilities  Display: Clear display of active operating states  Display: Clear display of active operating states  Redundant steering resistance Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Tirplex clearview mast with free lift Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety system  Redundant steering safety	Į.	Fingertip control (Hydraulic actuation through 4 individual control levers	•	•	•
Display: Clear display of active operating states	1	Integral storage facilities	•	•	•
Triplex clearwise mast with free lift	ı	Display: Clear display of active operating states	•	•	•
Triplex clearwise mast with free lift Hydraulic sideshifter with fork tilt Hydraulic sideshifter with fork tilt Mast transition damping Clearwise fork carriage Noise optimised hydraulic pump Auxiliary hydraulics Noise optimised hydraulic pump Auxiliary hydraulics Individual parameter setting option for the hydraulic functions Load wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Superelastic Drive wheel tyres - Rubber Maintenance-free 3-phase drives for driving and hoisting Load wheel tyres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel syres - Superelastic Drive wheel tyres -	_	Adjustable steering resistance	•	•	•
Triplex clearwise mast with free lift	eri.	Free moving, full electric steering 180°	•	•	•
Triplex clearwise mast with free lift	S.	Redundant steering safety system	•	•	•
Hydraulic sideshifter with fork tilt    Mast transition damping	$\vdash$			•	•
Mast transition damping Clearview fork carriage Noise optimised hydraulic pump Noise Nois	+	·	•	•	•
Clearview fork carriage	N S	•		•	•
Noise optimised hydraulic pump				•	•
Auxiliary hydraulics Proportional valve technology for particularly sensitive movements Individual parameter setting option for the hydraulic functions Load wheel tyres - Superelastic Drive wheel tyres - Superelastic Maintenance-free 3-phase drives for driving and hoisting Fully encapsulated components, not susceptible to dirt and dust Integral current and temperature sensors for function monitoring Generator braking system Energy recovery when braking Hydraulic load wheel brake as an auxiliary brake Electromagnetic disc brake as a parking brake and emergency stop Battery changing using hoist Battery changing using hoist Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Drive code access, keyless with button Pin Code access, keyless with button Pin Code access, keyless with button Drive wheel tyres - Superelastic disc brake steel, optimised visibility Doverhead guard cover, with sandard sheet steel, optimised visibility Doverhead guard cover, with polycarbonate Doverhead guard cover, with polycarbonat		Naise entimised hydraulie nump		•	•
Load wheel tyres - Superelastic Drive wheel tyres - Rubber  Maintenance-free 3-phase drives for driving and hoisting Fully encapsulated components, not susceptible to dirt and dust Integral current and temperature sensors for function monitoring Generator braking system Energy recovery when braking Hydraulic load wheel brake as an auxiliary brake Electromagnetic disc brake as an auxiliary brake Electromagnetic disc brake as an auxiliary brake Battery changing using hoist Battery roller track for battery changing to side Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame Pin Code access, keyless with button Pin Code access, keyless with button Oerhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with mosh Raised driver's seat backrest Oerhead for the hydraulic functions Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Code access, width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest	S	Auxiliary hydraulics			
Load wheel tyres - Superelastic Drive wheel tyres - Rubber  Maintenance-free 3-phase drives for driving and hoisting Fully encapsulated components, not susceptible to dirt and dust Integral current and temperature sensors for function monitoring Generator braking system Energy recovery when braking Hydraulic load wheel brake as an auxiliary brake Electromagnetic disc brake as an auxiliary brake Electromagnetic disc brake as an auxiliary brake Battery changing using hoist Battery roller track for battery changing to side Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame Pin Code access, keyless with button Pin Code access, keyless with button Oerhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with mosh Raised driver's seat backrest Oerhead for the hydraulic functions Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Code access, width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest Oerhead guard cover of Chassis width 1,470 mm Load backrest	drai	Proportional valve technology for particularly sensitive movements			
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Drive wheel tyre - Rubber  Maintenance-free 3-phase drives for driving and hoisting Fully encapsulated components, not susceptible to dirt and dust Integral current and temperature sensors for function monitoring  Generator braking system Energy recovery when braking Hydraulic load wheel brake as an auxiliary brake Electromagnetic disc brake as a parking brake and emergency stop  Battery changing using hoist Battery compartment for 560 Ah battery Battery compartment for 560 Ah battery Battery compartment for 560 Ah battery Battery transport and changing frame Pin Code access, keyless with button Flashing light Working spotlight on overhead guard Overhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Various fork lengths Various fork lengths Various fork lengths Various fork lengths Chassis width 1,470 mm Load backrest  O C O C Construction  Chassis width 1,470 mm Load backrest  O C O C Construction  Description	$\vdash$			•	•
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Fully encapsulated components, not susceptible to dirt and dust	Nes.	·		•	•
Integral current and temperature sensors for function monitoring  Generator braking system  Energy recovery when braking  Hydraulic load wheel brake as an auxiliary brake  Electromagnetic disc brake as a parking brake and emergency stop  Battery changing using hoist  Battery conpartment for 560 Ah battery  Battery compartment for 700 Ah battery  Battery compartment for 700 Ah battery  Battery transport and changing frame  Pin Code access, keyless with button  Flashing light  Working spotlight on overhead guard  Overhead guard cover, with standard sheet steel, optimised visibility  Uniform Seat Control of the seat of the se	ے ا			•	•
Generator braking system Energy recovery when braking Hydraulic load wheel brake as an auxiliary brake Electromagnetic disc brake as a parking brake and emergency stop  Battery changing using hoist Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame Pin Code access, keyless with button Pin Code access, keyless with button Overhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with polycarbonate Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Raised driver's seat backrest Various fork lengths Weather protection cab with interior and screen heater and screen wiper Chassis width 1,366 mm Chassis width 1,470 mm				•	
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Electromagnetic disc brake as a parking brake and emergency stop  Battery changing using hoist Battery roller track for battery changing to side  Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame  Pin Code access, keyless with button Pin Code access, keyless with button Pin Code access, keyless with button Poverhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Baised driver's seat backrest Overhead guard cover, with mesh Overhead guard cover, with not overhead guard over with guard cover, with mesh Overhead gua	يه ا				
Electromagnetic disc brake as a parking brake and emergency stop  Battery changing using hoist Battery roller track for battery changing to side  Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame  Pin Code access, keyless with button Pin Code access, keyless with button Pin Code access, keyless with button Poverhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Baised driver's seat backrest Overhead guard cover, with mesh Coverhead guard cover, with not coverned polycarbonate Overhead guard cover, with mesh Coverhead guard cover, with	Brak	Hydraulic load wheel brake as an auxiliary brake		•	•
Battery changing using hoist Battery roller track for battery changing to side Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO		,		•	•
Battery roller track for battery changing to side Battery compartment for 560 Ah battery Battery compartment for 700 Ah battery Battery transport and changing frame  Pin Code access, keyless with button Flashing light Working spotlight on overhead guard Overhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Raised driver's seat backrest Overhead guard cover, with mesh Weather protection cab with interior and screen heater and screen wiper Chassis width 1,366 mm Chassis width 1,470 mm Load backrest O O O O O O O O O O O O O O O O O O O	H	Detterm share the control being		•	•
Battery compartment for 360 An battery Battery compartment for 700 Ah battery Battery transport and changing frame  Pin Code access, keyless with button  Flashing light  Working spotlight on overhead guard  Overhead guard cover, with standard sheet steel, optimised visibility  Overhead guard cover, with polycarbonate  Overhead guard cover, with mesh  Raised driver's seat backrest  Various fork lengths  Weather protection cab with interior and screen heater and screen wiper  Chassis width 1,366 mm  Chassis width 1,470 mm  Load backrest  O O O O O O O O O O O O O O O O O O O	ter	Battery roller track for hattery changing to side	0	0	0
Battery compartment for 700 Ah battery Battery transport and changing frame  Pin Code access, keyless with button Flashing light  Working spotlight on overhead guard Overhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Raised driver's seat backrest  Wather protection cab with interior and screen heater and screen wiper Chassis width 1,366 mm  Chassis width 1,470 mm Load backrest  O	8	Battery compartment for 560 Ah hattery			
Battery transport and changing frame	Hen	Battery compartment for 700 Ah hattery	0	0	0
Pin Code access, keyless with button  Flashing light  Working spotlight on overhead guard  Overhead guard cover, with standard sheet steel, optimised visibility  Overhead guard cover, with polycarbonate  Overhead guard cover, with polycarbonate  Overhead guard cover, with mesh  Raised driver's seat backrest  Various fork lengths  Weather protection cab with interior and screen heater and screen wiper  Chassis width 1,366 mm  Chassis width 1,470 mm  Load backrest  O O O O O O O O O O O O O O O O O O O	Ba	Battery transport and changing frame			
Flashing light  Working spotlight on overhead guard  Overhead guard cover, with standard sheet steel, optimised visibility  Overhead guard cover, with polycarbonate  Overhead guard cover, with polycarbonate  Overhead guard cover, with polycarbonate  Overhead guard cover, with mesh  Raised driver's seat backrest  Overhead guard cover, with mesh  Raised driver's seat backrest  Overhead guard cover, with mesh  Overhead guard cov	$\vdash$				
Working spotlight on overhead guard Overhead guard cover, with standard sheet steel, optimised visibility Overhead guard cover, with polycarbonate Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Raised driver's seat backrest Overhead guard cover, with mesh Overhead guard cover, with mesh Raised driver's seat backrest Overhead guard cover, with mesh Overhe					
Overhead guard cover, with standard sheet steel, optimised visibility  Overhead guard cover, with polycarbonate  Overhead guard cover, with polycarbonate  Overhead guard cover, with mesh  Raised driver's seat backrest  Overhead guard cover, with mesh  Raised driver's seat backrest  Overhead guard cover, with mesh  Overhead guard cover, with mesh  Overhead guard cover, with polycarbonate  Overhead guard co	1			_	
Verhead guard cover, with polycarbonate Overhead guard cover, with polycarbonate Overhead guard cover, with mesh Raised driver's seat backrest O O O Various fork lengths Various fork lengths Weather protection cab with interior and screen heater and screen wiper Chassis width 1,366 mm Chassis width 1,470 mm Load backrest O O O O O O O O O O O O O O O O O O O				_	_
Overhead guard cover, with mesh O O O Raised driver's seat backrest O O O Various fork lengths Various fork lengths O O O Chassis width 1,366 mm Chassis width 1,470 mm Load backrest O O O O O O O O O O O O O O O O O O O	+		0	0	0
Various fork lengths  Various fork lengths  Weather protection cab with interior and screen heater and screen wiper  Chassis width 1,366 mm  Chassis width 1,470 mm  Load backrest  O  O  O  O  O  O  O  O  O  O  O  O  O	l am	Overhead guard cover, with mesh		-	
Various fork lengths  Various fork lengths  Weather protection cab with interior and screen heater and screen wiper  Chassis width 1,366 mm  Chassis width 1,470 mm  Load backrest  O  O  O  O  O  O  O  O  O  O  O  O  O		Raised driver's seat backrest		_	_
Weather protection cab with interior and screen heater and screen wiper  Chassis width 1,366 mm  Chassis width 1,470 mm  Load backrest  O  O  O  O  O  O  O  O  O  O  O  O  O				_	
Chassis width 1,470 mm         -         -         -         ■           Load backrest         O         O         O	i j	Weather protection cab with interior and screen heater and screen winer			
Chassis width 1,470 mm         -         -         -         -         Load backrest         O         O         O	Add	Chassis width 1,366 mm			
Load backrest O O		Chable Wath 1,000 him	-	-	
			0	0	-
	ı				
DIN A4 Writing surface O O O	ı				

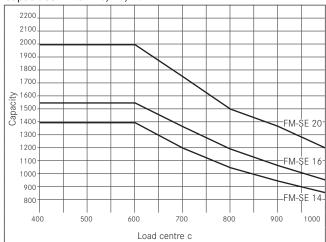
Standard

O Opción

FM-SE 14/FM-SE 16											
Mast tilt, forward/back		٥	2/4	2/4	2/4	2/4	2/4	2/4			
Overall height	h <sub>1</sub>	mm	2225	2491	2491	2925	2925	2925			
Free lift		mm	1361	1627	1627	2061	2061	2061			
Lift		mm	4955	5155	5755	6255	6655	6955			
Height, mast raised		mm	5695	5895	6495	6995	7395	7695			
FM-SE 20											
Mast tilt, forward/back		٥	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	
Overall height	h <sub>1</sub>	mm	2225	2491	2491	2925	2925	2925	3391	3391	
Free lift	h <sub>2</sub>	mm	1361	1627	1627	2061	2061	2061	2527	2527	
Lift	hз	mm	4655	4655	5155	5755	6255	6655	6955	7455	
Height, mast raised	h <sub>4</sub>	mm	5395	5395	5895	6495	6995	7395	7695	8195	

Alternative masts available on enquiry Hlift height  $h_3$ +s +10 mm

# Capacities FM-SE 14, 16, 20



#### The requirement:

Greater effectiveness in narrow warehouse areas with uneven floors. The solution for an extended range of use: an SE tyred moving mast reach truck for combined indoor and outdoor use.

#### Flexible: the application.

Individual application options thanks to SE tyres and large tyre diameter. Large floor clearance and superb traction allow individual use even on uneven and slippery floors. Short construction and moving mast reach principle for optimal warehouse utilisation. Weather protection cabs provide the best possible protection and safety in outdoor use.

# Ergonomic: the driver's compartment.

Roomy driver's compartment with adjustable controls. Clear display to show all operating states. Luxury seat with adjustable height and lumbar adjustment. An open step, visible from above, allows trouble-free entry and exit. Individual storage facilities. Great safety due to optimised visibility of driver's overhead guard and the best all-round vision.

#### Sensitive: operation.

Four individual fingertip control levers for easy control of all hydraulic functions. Full electric 180° steering for easy, safe positioning. Proportional valve technology for especially quiet, quick and sensitive movement processes for a high turnaround of goods. Noise-optimised pump and motor unit.

#### Safe: the braking system.

Maintenance-free regenerative braking system with energy recovery and high efficiency. Greatest safety thanks to redundant fail-safe braking system. Electromagnetic brake as an emergency stop and parking brake.

### Powerful: the maintenance-free drive.

The 3-phase, maintenance-free drive motor provides energy recovery under braking, powerful acceleration and safe deceleration.

#### Clear view: the mast.

Triplex clear view mast with free lift and high rigidity for universal use. Mast tilt and fork sideshift as standard.

#### Adequate reserves: the battery.

Simple maintenance due to battery push-out. Battery can be lifted out with a hoist, optional battery changing to the side with a roller track. High power reserves for single and multishift applications thanks to battery capacities up to 775 Ah.

#### A summary of the benefits:

- Superb driving comfort due to damped drive unit and ergonomic driver's compartment.
- Flexible use in all warehouse areas thanks to SE tyres and large floor clearance.
- Optimal driving characteristics on uneven and wet floors.
- Individual adjustment lift heights up to 7455 mm and capacities from 1400 kg to 2000 kg.
- High availability and low service costs due to maintenancefree AC technology.







# Наши контакты

ООО "Торговый Дом Техника для Склада"

Москва: Нагорный проезд, дом № 10 А

Телефон: +7 (495) 545-31-74

Санкт-Петербург: ул. Боровая, д. 44, лит. А

Телефон: +7 (812) 303-80-30

Более подробную информацию Вы найдете на сайте:

www.tdtds.ru