

BT Stratos - штабелеры этой серии спроектированы с полноценной кабиной, в которой оператор работает стоя. Максимальная г/п 1350кг и 1600кг, максимальная высота подъема 6300мм



е-маил: info@forstor.com.ua

сайт: www.forstor.com.ua

TOYOTA

MATERIAL HANDLING

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The SSE160D is ideal for loading and unloading vehicles and in-vehicle handling, allowing greater utilisation of transit space. A flexible and easily driven truck equipped with elevating support arms that allow use on gradients or uneven surfaces. With the fork in lowered position the support arm lift has a maximum capacity of 1600 kg and 1200 kg in stacking mode.



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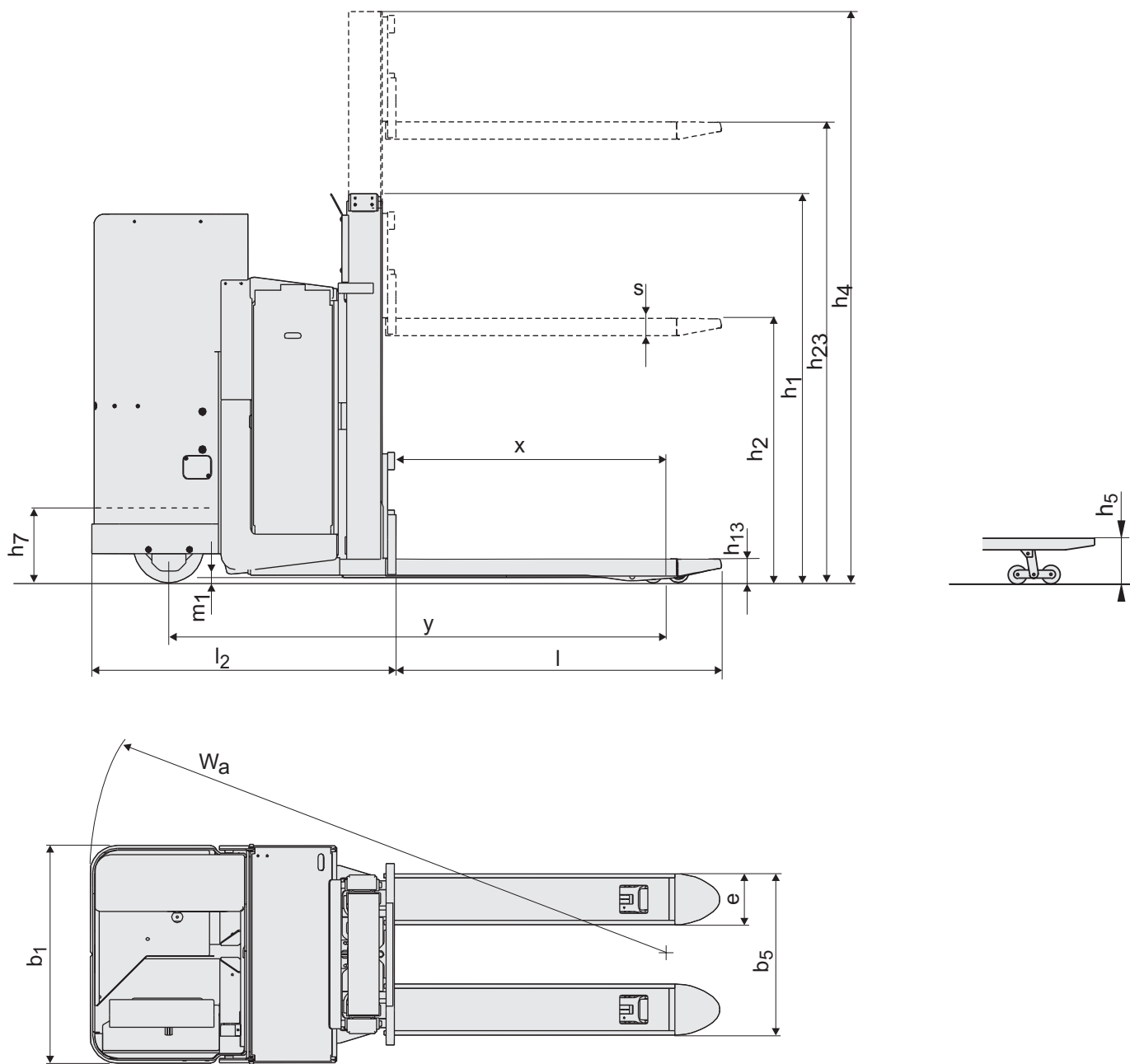
Technical Details		SSE160D
Rated capacity	kg	1200
Rated capacity, support arm lift	kg	1600
Rated capacity, fork and support arm lift	kg	800+800 ¹⁾
Load centre	mm	600
Weight without battery	kg	901
Max. axle load castor/drive wheel, without/with rated load/ 1600 kg on support arms	kg	1053/1295/1315
Max. axle load support arm wheels, without/with rated load/ 1600 kg on support arms	kg	342/1300/1680
Travel speed, without/with 1200 kg/1600 kg	km/h	10,0/8,4/8,0
Lift speed, without/with 1200 kg	m/s	0,18/0,11
Lowering speed, without/with 1200 kg	m/s	0,13/0,15
Gradient, without/with rated load	%	10/8
Service-/parking brake		2 stage electromagnetic brake
Drive motor/Intermittent rating	kW/%	2,2/60
Lift motor/Intermittent rating	kW/%	2,2/5
Battery (5h discharge)	Ah	450
Battery weight, min./max.	kg	375/420
Steering system		stand on
Speed control, number of steps		transistor, stepless
Steering arc	°	180

1) To lift height 1500 mm

Dimensions, mm		SSE160D
x	Back of fork to wheel centre	892
y	Wheel base	1696
	Castor wheels, Vulkollan	Ø 150x 40
	Drive wheel, Vulkollan	Ø 250x95
	Support arm wheels, bogie/single, Vulkollan	Ø 80x75/Ø 80x95
h ₅	Support arm lift height	200
h ₇	Instep height	254
h ₁₃	Height of fork, support arms lowered/raised	90/210
l ₂	Truck length incl. back of fork	1079
b ₁	Chassis, width	770
s	Fork thickness	60
e	Fork width	180
l	Fork length	1150/1000
b ₅	Width across fork	570
m ₁	Floor clearance under mast, min./max.	17/137
A _{st}	Aisle width, min	2436
W _a	Turning radius	1992

Mast, mm		Duplex Tele
h ₂₃	Total lift height	1675
h ₁	Height of mast, min.	1330
h ₂	Free lift	160
h ₄	Height of mast, max.	2090

Data is based on medium size battery compartment, l=1150 mm, support arms raised.





- Equipped with separate elevating fork. This means that two separate loads may be carried at the same time (800 kg + 800 kg) in intensive operations.
- The chassis width is only 770 mm which provides exceptionally manoeuvrability in loading/unloading applications.
- Transversely standing driver gives the best and most comfortable driving position in both directions of travel.
- 180° steering. Small driving wheel equipped with knob for excellent low speed manoeuvring. By high speed driving the dimples are used for accurate steering control.
- Ergonomic levers for lifting and lowering the forks and the support arms.
- Safety pedal. Conveniently situated with easy access for alternate driving position.
- All electrical and mechanical components easily accessible for servicing and troubleshooting.

Truck features	SSE160D
Bogie fork wheels	O
Double pallet handling	S
Elevating support arms	S
Controls and instrument	
Fingertip controls	S
Hour meter	S
Information display	S
Power/Electronic steering	S
Driving features	
Automatic deceleration	S
Electronic braking system	S
Electronic speed control	S
Safety features	
Automatic parking brake	S
Driver detection system	S
Emergency cut-off	S
Drivers compartment features	
Adjustable backrest	S
Low step-in	S
Maintenance features	
Easy access for maintenance	S
Battery management features	
Battery change facility	O
Battery status indicator	S
Sideways battery change	S

S = Standard feature

O = Optional feature

— = Not available



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SSE135/SSE135L

SSE160/SSE160L



The Stratos SSE machines have been developed for applications where it may be desirable for the operator to work in a fully enclosed cab, while maintaining a standing position for speed and flexibility. The trucks offer a capacity of 1350 and 1600 kg and a maximum lift height of 6.3 m.



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Technical Details		SSE135/SSE135L	SSE160/SSE160L
Power unit		electrical, battery	electrical, battery
Operating type		stand on	stand on
Rated capacity	kg	1350	1600
Load centre	mm	600	600
Max. axle load castor/drive wheels			
without load	kg	430/580 ¹⁾	615/770 ²⁾
with rated load	kg	475/680 ¹⁾	640/795 ²⁾
Max. axle load supp.wheels			
without load	kg	410 ¹⁾	730 ²⁾
with rated load	kg	1600 ¹⁾	2230 ²⁾
Wheel type, front/rear		polyurethane	polyurethane
dimension, front/rear	mm	Ø 85/250	Ø 85/250
Travel speed, without/with rated load		9,0/7,6	9,0/7,6
Lift speed, without/with rated load		0,30/0,20	0,25/0,15
Lowering speed, without/with rated load		0,30/0,45	0,40/0,46
Gradient, without/with rated load		16/8	12/6
Service brake		electric	electric
Parking brake		Autom. electr.	Autom. electr.
Drive motor/Intermittent rating	kW/%	1,8/60	1,8/60
Lift motor/Intermittent rating	kW/%	5,0/20	5,0/20
Steering system		electronic	electronic
Speed control, number of steps		transistor, stepless	transistor, stepless
Number of steering wheel turnings		endless	endless

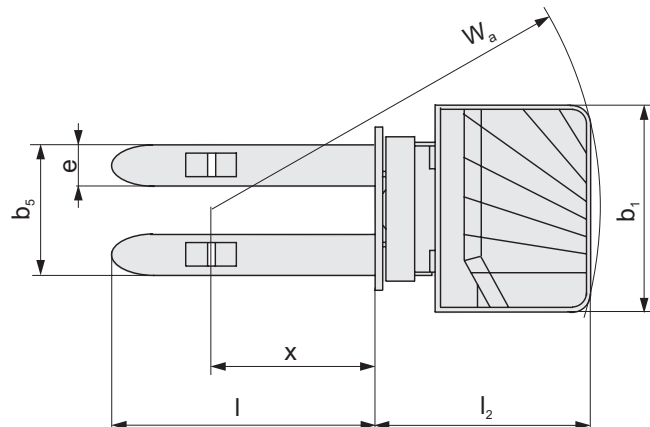
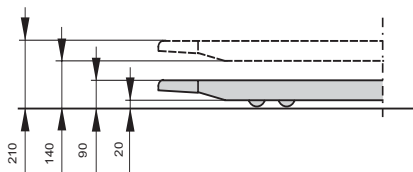
1) SSE135, h₃ 3350, battery 300 Ah

2) SSE160L, h₃ 6300, battery 360 Ah

Dimensions, mm		SSE135	SSE135L	SSE160	SSE160L
x	Front axle to fork front face Duplex/Triplex	827/809	830/812	782/782	785/785
h ₆	Height of truck	2290	2290	2290	2290
h ₇	Instep height	245	245	245	245
h ₁₃	Height of lowered fork	90	90	90	90
l ₂	Truck length incl. back of fork short chassis, Duplex/Triplex long chassis, Duplex/Triplex	919/938 1033/1052	960/979 1074/1093	— 1079/1079	— 1120/1120
b ₁	Chassis, width Width with stabilizers	900 940	945 1040	900 940	945 1040
e	Fork width	180	180	180	180
l	Fork length	1150	1150	1150	1150
b ₅	Width across fork	570	570	570	570
m ₁	Floor clearance	28	28	28	28
W _a	Turning radius short chassis long chassis	1785 1898	1829 1941	— 1898	— 1941
A _{st}	Aisle width short chassis, Duplex/Triplex long chassis, Duplex/Triplex	2532/2544 2645/2657	2573/2586 2685/2698	— 2677/2677	— 2717/2717

Truck performance and dimensions are nominal and subject to tolerances.
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All data is based on VDI 2198.

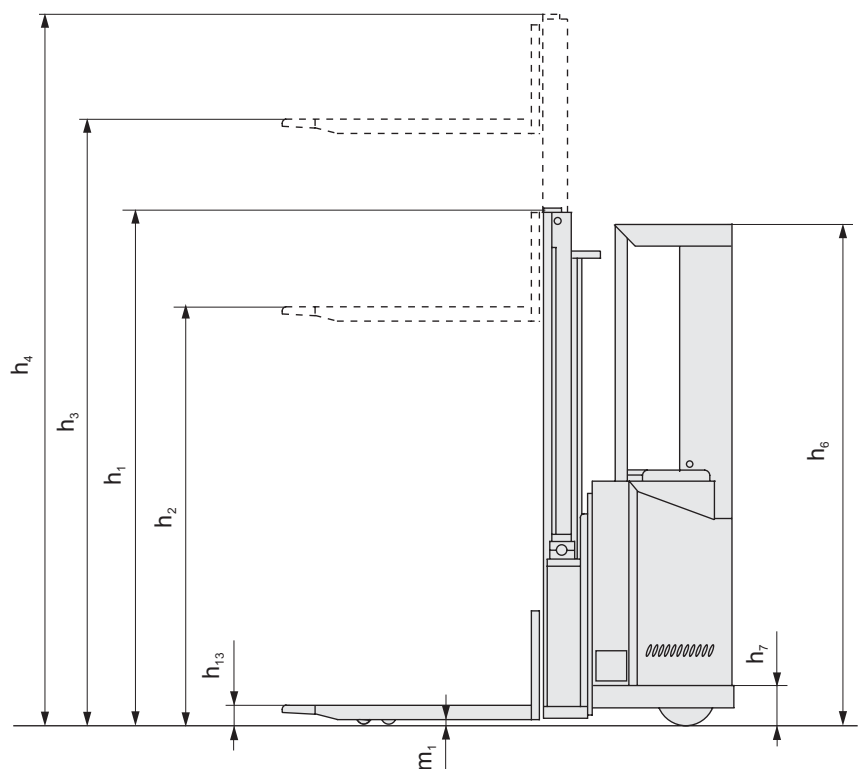
SSE135L/SSE160L



Mast			SSE135/SSE135L								
h_3	Lift height	mm	2800	2900	3350	3750	4150	4150	4500	4800	5400
Duplex Tele											
h_1	Height of mast, min. ¹⁾	mm	1937		2212	2422	2622				
h_2	Free lift	mm	—		—	—	—				
h_4	Height of mast, max. ¹⁾	mm	3317		3867	4277	4677				
Duplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm		1987	2212	2422	2622				
h_2	Free lift	mm		1518	1743	1943	2143				
h_4	Height of mast, max. ¹⁾	mm		3417	3867	4277	4677				
Triplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm						1948	2065	2165	2365
h_2	Free lift	mm						1476	1592	1692	1892
h_4	Height of mast, max. ¹⁾	mm						4670	5021	5321	5921
	Weight without battery ²⁾	kg	1230	1255	1290	1315	1375	1405	1445	1465	1520
	Battery (5h discharge), min./max.	V/Ah	24/300—600								
	Battery weight, min./max.	kg	250—530								

Mast			SSE160/SSE160L								
h_3	Lift height	mm	2900	3350	3750	4150	4400	4800	5400	5700	6300
Duplex Tele											
h_1	Height of mast, min. ¹⁾	mm	2013	2238	2438	2638					
h_2	Free lift	mm	—	—	—	—					
h_4	Height of mast, max. ¹⁾	mm	3443	3893	4293	4693					
Duplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm	2013	2238	2438	2638					
h_2	Free lift	mm	1518	1743	1943	2143					
h_4	Height of mast, max. ¹⁾	mm	3443	3893	4293	4693					
Triplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm					2075	2208	2408	2508	2708
h_2	Free lift	mm					1465	1598	1798	1898	2098
h_4	Height of mast, max. ¹⁾	mm					5058	5458	6058	6358	6958
	Weight without battery	kg	1230	1255	1290	1315	1375	1405	1445	1465	1520
	Battery (5h discharge), min./max.	V/Ah	24/360—600								
	Battery weight, min./max.	kg	370—530								

1) Mast height +120 mm with raised support arms





- Transversely standing driver gives the best and most comfortable driving position in both directions of travel.
- Clear view mast and overhead guard enables safe load handling at all heights. The visibility window also ensures excellent visibility in pallet transport.
- Two pallet handling. Two separate loads may be carried at the same time — 675kg on the support arms, 675kg on the fork (SSE135L) — 800kg on the support arms, 800kg on the fork (SSE160L). Lift height is then maximized to 1200mm.
- The battery is standing on rollers with a built in battery table, allowing easy access for inspection and also facilitating fast sideways battery change.
- Programmable performance — acceleration rate, maximum travel speed and steering sensitivity.

Truck features	SSE135	SSE135L	SSE160	SSE160L
Bogie fork wheels	S	S	S	S
Double pallet handling	—	S	—	S
Elevating support arms	—	S	—	S
Controls and instruments				
Fingertip controls	S	S	S	S
Hour meter	S	S	S	S
Power/Electronic steering	S	S	S	S
Driving features				
Electronic braking system	S	S	S	S
Electronic speed control	S	S	S	S
Safety features				
Automatic parking brake	S	S	S	S
Clear-view mast	S	S	S	S
Driver detection system	S	S	S	S
Emergency cut-off	S	S	S	S
Load support	O	O	O	O
Drivers compartment features				
Low step-in	S	S	S	S
Maintenance features				
Easy access for maintenance	S	S	S	S
Fault diagnosis facility	S	S	S	S
History fault log	S	S	S	S
Battery management features				
Battery status indicator	S	S	S	S
Sideways battery change	S	S	S	S
Heavy duty battery compartments	O	O	O	O

S = Standard feature

O = Optional feature

— = Not available

SRE135/SRE135L

SRE160/SRE160L



The Stratos SRE rider seated stackers are available with capacities of 1350 and 1600 kg. The four models, two with fixed and two with elevating support arms, are available with lift heights up to 6300 mm.



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Technical Details		SRE135/SRE135L	SRE160/SRE160L
Power unit		electrical, battery	electrical, battery
Operating type		ride on	ride on
Rated capacity	kg	1350	1600
Load centre	mm	600	600
Max. axle load castor/drive wheels			
without load	kg	1360/1405	1480/1530
with rated load	kg	1490/1535	1610/1655
Max. axle load supp.wheels			
without load	kg	570/660	680/705
with rated load	kg	1790/1880	2150/2180
Wheel type		polyurethane	polyurethane
dimension, support arm wheels	mm	Ø 85x75 ¹⁾	Ø 85x75 ¹⁾
dimension, drive wheel	mm	Ø 250	Ø 250
dimension, castor wheels	mm	Ø 150x50	Ø 150x50
Travel speed, without/with rated load	km/h	9,4/8,6	9,4/8,6
Lift speed, without/with rated load	m/s	0,36 ²⁾ /—	0,25/0,15
with 1000kg load	m/s	0,23 ²⁾	0,19
with 1350kg load	m/s	0,20 ²⁾	0,17
Lowering speed, without/with rated load	m/s	0,35/0,46 ²⁾	0,40/0,46
Gradient, without/with rated load	%	15/8	15/8
Service brake		hydraulic	hydraulic
Parking brake		mechanical	mechanical
Drive motor/Intermittent rating	kW/%	2,6/60	2,6/60
Lift motor/Intermittent rating	kW/%	5,0/20	5,0/20
Steering system		electronic	electronic
Speed control, number of steps		transistor, stepless	transistor, stepless
Number of steering wheel turnings		6 or 6—12	6 or 6—12

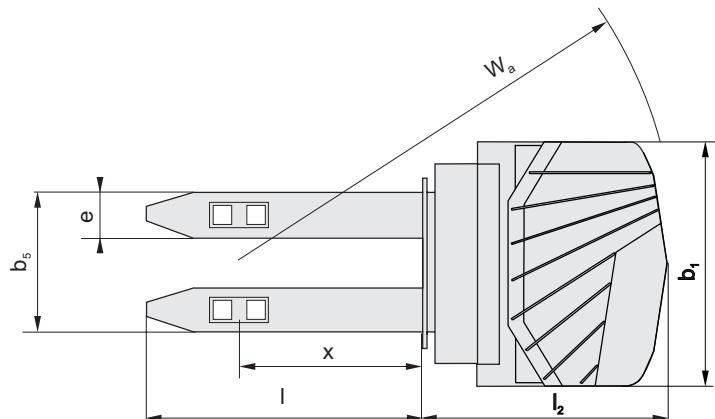
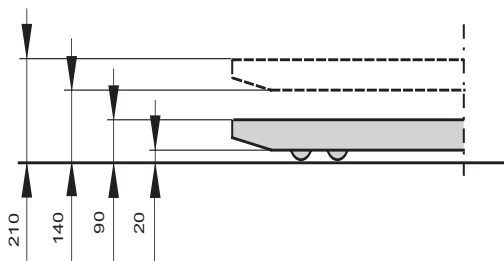
1) Bogie

2) Valid for trucks with Triplex Hi-Lo mast

Dimensions, mm		SRE135	SRE135L	SRE160	SRE160L
x	Front axle to fork front face Duplex/Triplex	827/809	830/812	782/782	785/785
h ₆	Height of cab	1980	1980	1980	1980
h ₇	Height of driver's seat	900—980	900—980	900—980	900—980
h ₁₃	Height of lowered fork	90	90	90	90
l ₂	Truck length incl. back of fork Duplex/Triplex	1044/1063	1085/1104	1090/1090	1131/1131
b ₁	Chassis, width	1020	1020	1020	1020
e	Fork width	180	180	180	180
l	Fork length	1150	1150	1150	1150
b ₅	Width across fork	570	570	570	570
m ₁	Floor clearance	25	25	25	25
W _a	Turning radius Duplex/Triplex	1912/1955	1912/1955	1912/1955	1912/1955
A _{st}	Aisle width Duplex/Triplex	2659/2671	2699/2712	2691/2691	2731/2731

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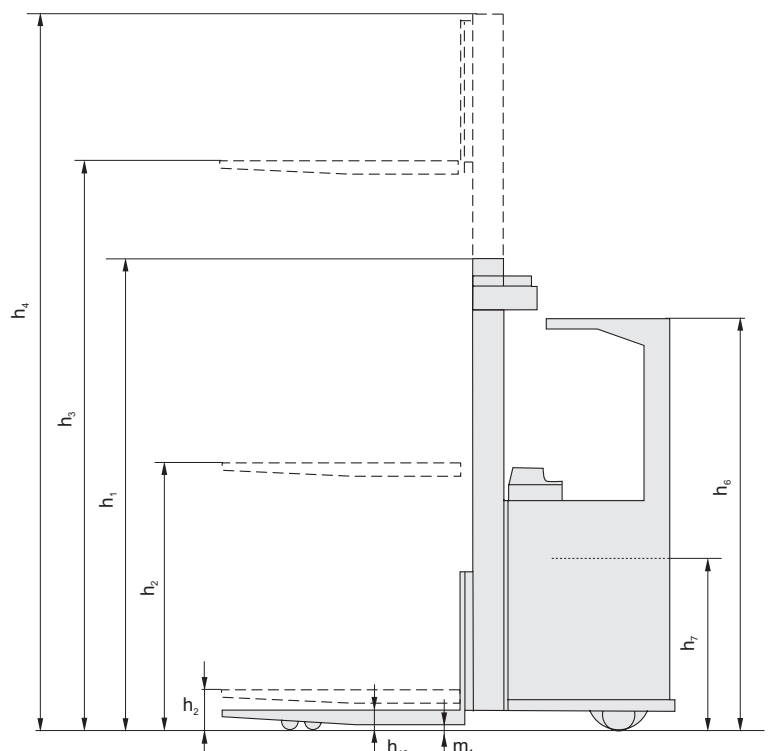
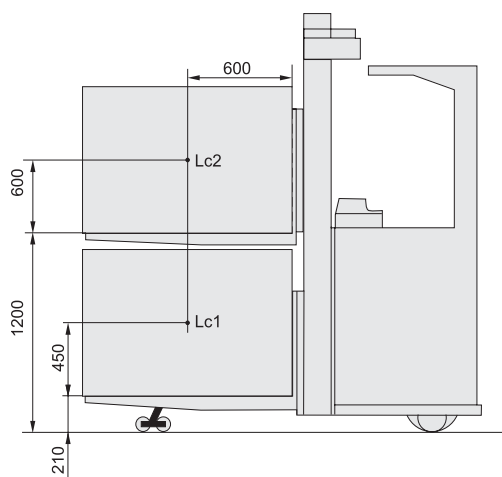
SRE135L/SRE160L



Mast			SRE135/SRE135L								
h_3	Lift height	mm	2800	2900	3350	3750	4150	4150	4500	4800	5400
Duplex Tele											
h_1	Height of mast, min. ¹⁾	mm	1937		2212	2422	2622				
h_2	Free lift	mm	—		—	—	—				
h_4	Height of mast, max. ¹⁾	mm	3317		3867	4277	4677				
Duplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm		1987	2212	2422	2622				
h_2	Free lift	mm		1518	1743	1943	2143				
h_4	Height of mast, max. ¹⁾	mm		3417	3867	4277	4677				
Triplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm						1948	2065	2165	2365
h_2	Free lift	mm						1476	1592	1692	1892
h_4	Height of mast, max. ¹⁾	mm						4670	5021	5321	5921
Weight without battery ²⁾		kg	1175	1180	1200	1220	1240	1335	1365	1375	1400
Battery (5h discharge), min./max.		V/Ah	24/360—600								
Battery weight, min./max.		kg	370—530								

Mast			SRE160/SRE160L								
h_3	Lift height	mm	2900	3350	3750	4150	4400	4800	5400	5700	6300
Duplex Tele											
h_1	Height of mast, min. ¹⁾	mm	2013	2238	2438	2638					
h_2	Free lift	mm	—	—	—	—					
h_4	Height of mast, max. ¹⁾	mm	3443	3893	4293	4693					
Duplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm	2013	2238	2438	2638					
h_2	Free lift	mm	1518	1743	1943	2143					
h_4	Height of mast, max. ¹⁾	mm	3443	3893	4293	4693					
Triplex Hi-Lo											
h_1	Height of mast, min. ¹⁾	mm					2075	2208	2408	2508	2708
h_2	Free lift	mm					1465	1598	1798	1898	2098
h_4	Height of mast, max. ¹⁾	mm					5058	5458	6058	6358	6958
Weight without battery ²⁾		kg	1295	1320	1355	1380	1440	1470	1510	1530	1585
Battery (5h discharge), min./max.		V/Ah	24/360—450, 24/480—600								
Battery weight, min./max.		kg	370—449, 450—530								

- 1) Mast height +120 mm with raised support arms
- 2) Sideshift weight +15 kg
SRE135L +175 kg
SRE160L +160 kg





- The SRE135L and SRE160L versions of the rider seated stacker range feature elevating support arms that allow effective operation on ramps or over uneven surfaces. This also allows double pallet handling with 675+675 kg (SRE135L) and 800+800 kg (SRE160L).
- Electronic steering is a standard feature. The small “spinner wheel” provides fingertip control for the highest levels of manoeuvrability.
- The driver’s cab provides total protection for the operator, and comfort is assured with fully adjustable seat, comfortable armrest and pedal positions as in a car.
- Clear view mast and overhead guard enables safe load handling at all heights. The visibility window also ensures excellent visibility in pallet transport.
- The battery is easily changed in multishift operation via a built-in rollerbed system.

Truck features	SRE135	SRE135L	SRE160	SRE160L
Bogie fork wheels	S	S	S	S
Double pallet handling	—	S	—	S
Elevating support arms	—	S	—	S
Controls and instruments				
Hour meter	S	S	S	S
Power/Electronic steering	S	S	S	S
Driving features				
Electronic speed control	S	S	S	S
Safety features				
Clear-view mast	S	S	S	S
Driver detection system	S	S	S	S
Emergency cut-off	S	S	S	S
Load support	O	O	O	O
Drivers compartment features				
Adjustable seat	S	S	S	S
Adjustable steering wheel	S	S	S	S
On-board data terminal mount (E-bar)	S	S	S	S
Document pocket	S	S	S	S
Maintenance features				
Easy access for maintenance	S	S	S	S
Fault diagnosis facility	S	S	S	S
Battery management features				
Battery status indicator	S	S	S	S
Side-ways battery change	S	S	S	S
Heavy duty battery compartments	O	O	O	O

S = Standard feature

O = Optional feature

— = Not available