

CROWN

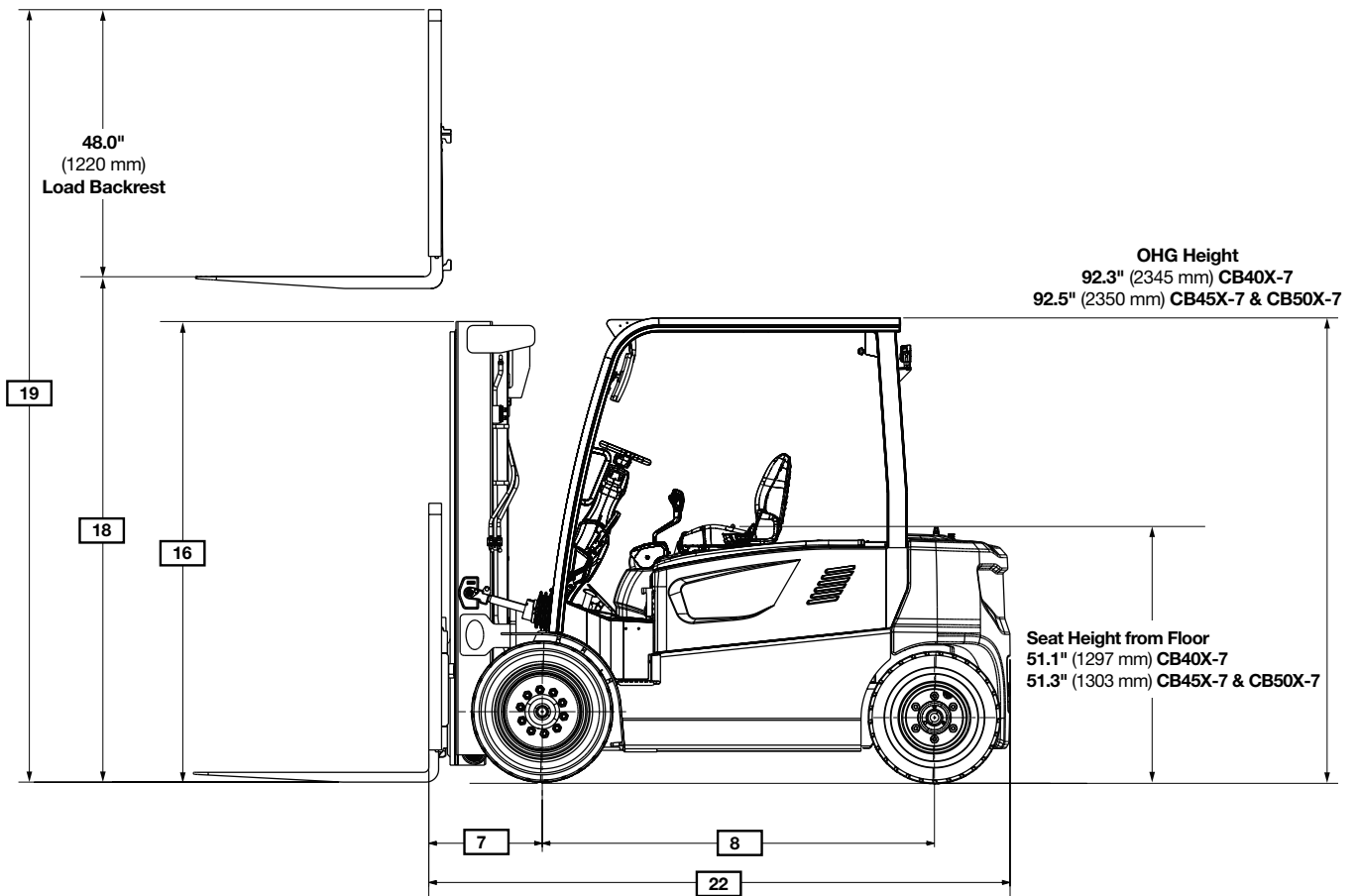
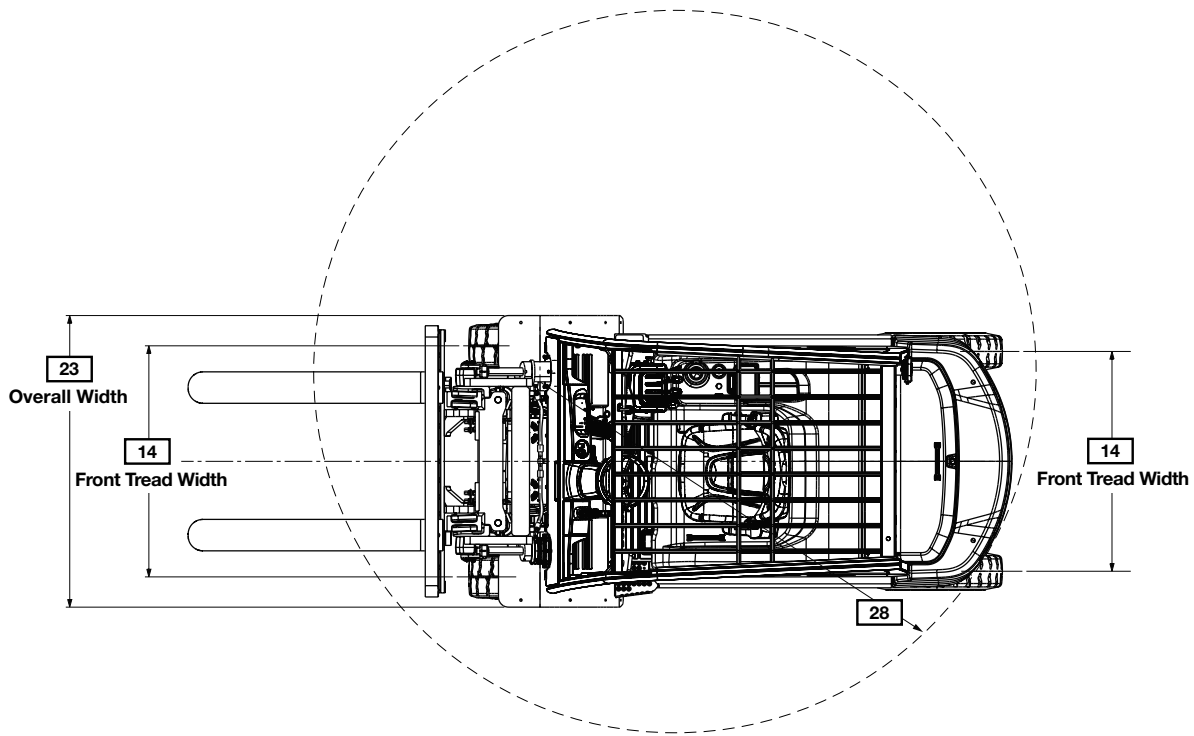
C-B

8,000-10,000 lb Capacity

Electric Pneumatic Tire

Specifications





C-B Series

Specifications

			Imperial	Metric	Imperial	Metric
General Information	2	Model	CB40X-7		CB45X-7	
	3	Power (Fuel) Type	Electric, Diesel, Gas, LPG			
	4	Operator Type	Sit-down Rider			
	5	Load Capacity	lb kg	8000 4000	9000 4500	
	6	Load Center	Per ANSI B56.1 in mm	24 600	24 600	
	7	Load Distance	in mm	22.5 572	22.5 572	
	8	Wheelbase	in mm	78.7 2000	78.7 2000	
	Weights	9	Truck Weight	Less Battery lb kg	10697 4852	11612 5267
9.1		Axle Load, Loaded	Front / Rear lb kg	21768 / 2509 9874 / 1138	23384 / 2910 10607 / 1320	
9.2		Axle Load, Empty	Front / Rear lb kg	8223 / 7236 3730 / 3282	8146 / 8228 3695 / 3732	
Tires	10	Tire Type	Cushion, Solid Pneumatic, Pneumatic			
	11	Tire Size, Front	in mm	250-15	28 x 12.5-15	
	12	Tire Size, Rear	in mm	7.00-12	7.00-12	
	13	Wheels	Number (x = driven) Front / Rear	2x / 2		
	14	Tread Width	Front / Rear in mm	46.0 / 43.7 1168 / 1111	45.7 / 43.7 1160 / 1111	
Dimensions	15	Mast	Tilt deg	See Mast Charts		
	16		Collapsed Height in mm			
	17		Free Lift in mm			
	18		Lift Height in mm			
	19		Extended Height in mm			
	20	Overhead Guard Height	in mm	92.3 2345	92.5 2350	
	21	Seat Height	From floor to SIP in mm	51.1 1297	51.3 1303	
	22	Headlength	in mm	157.8 4007	157.8 4007	
	23	Overall Width	in mm	57.9 1470	57.9 1470	
	24	Forks	Standard L x W x T in mm	41.3 x 5.9 x 2.0 1050 x 150 x 50	41.3 x 5.9 x 2.0 1050 x 150 x 50	
	25	Fork Carriage	in mm	ITA Class III		
	26	Ground Clearance	Loaded Below Mast in mm	4.7 120	5.1 130	
	26.1		Center of Wheelbase in mm	6.3 160	6.3 160	
27	Working Aisle Width	Minimum non-intrusive right angle stack in mm	Calculate using RAS Calculator			
28	Turning Radius	in mm	103.2 2620	103.2 2620		
Performance	29	Travel Speed, Forks First	Loaded / Empty mph km/h	9.3 / 9.9 15.0 / 16.0	9.3 / 9.9 15.0 / 16.0	
	30	Travel Speed, Power Unit First	Loaded / Empty mph km/h	9.3 / 9.9 15.0 / 16.0	9.3 / 9.9 15.0 / 16.0	
	31	Lift Speed	Loaded / Empty fpm m/s	68.9 / 92.5 0.35 / 0.47	65.0 / 92.5 0.33 / 0.47	
	32	Lowering Speed	Loaded / Empty fpm m/s	94.5 / 88.6 0.48 / 0.45	94.5 / 88.6 0.48 / 0.45	
	33	Drawbar Pull	Loaded / Empty (5 min. rating) lbf B	4186 / 4186 18620 / 18620	4186 / 4186 18620 / 18620	
	34	Gradeability	Loaded / Empty (5 min. rating) %	17 / 27	16 / 26	
	35	Brake	Service / Park	Foot - Hyd / Hand - Mechanical		
Motors / Batteries	36	Traction Motor	60 min. rating hp KW	13.0 2x 10.0 2x	13.0 2x 10.0 2x	
	37	Lift Motor	15% ON time hp KW	38.0 28.0	38.0 28.0	
	38	Battery Compartment Size	L x W x H in mm	39.6 x 40.9 x 33 1007 x 1040 x 840	39.6 x 40.9 x 33 1007 x 1040 x 840	
	38.1	Max. Battery Size	L x W x H in mm	See Battery Chart		
	39	Battery Voltage / Max Ah / Max kWh	@ 6 hour Rate V / Ah / kWh	80 / 930 / 74.4		
40	Battery Weight	Min. lb kg	4762 2160	4762 2160		
Misc.	41	Max. Op. Pressure for Attachments	psi Bar	2248 155	2248 155	

C-B Series

Specifications

			Imperial	Metric
General Information	2	Model	CB50X-7	
	3	Power (Fuel) Type	Electric, Diesel, Gas, LPG	
	4	Operator Type	Sit-down Rider	
	5	Load Capacity	lb kg	10000 5000
	6	Load Center	Per ANSI B56.1 in mm	24 600
	7	Load Distance	in mm	22.5 572
	8	Wheelbase	in mm	78.7 2000
	Weights	9	Truck Weight	Less Battery lb kg
9.1		Axle Load, Loaded	Front / Rear lb kg	25243 / 2893 11450 / 1312
9.2		Axle Load, Empty	Front / Rear lb kg	8311 / 8801 3770 / 3992
Tires	10	Tire Type	Cushion, Solid Pneumatic, Pneumatic	
	11	Tire Size, Front	in mm	28 x 12.5-15
	12	Tire Size, Rear	in mm	7.00-12
	13	Wheels	Number (x = driven) Front / Rear	2x / 2
	14	Tread Width	Front / Rear in mm	36.9 / 36.0 937 / 914
Dimensions	15	Mast	Tilt deg	See Mast Charts
	16		Collapsed Height in mm	
	17		Free Lift in mm	
	18		Lift Height in mm	
	19		Extended Height in mm	
	20	Overhead Guard Height	in mm	92.5 2350
	21	Seat Height	From floor to SIP in mm	51.3 1303
	22	Headlength	in mm	158.9 4037
	23	Overall Width	in mm	57.9 1470
	24	Forks	Standard L x W x T in mm	41.3 x 5.9 x 2.0 1050 x 150 x 50
	25	Fork Carriage	in mm	ITA Class III
	26	Ground Clearance	Loaded Below Mast in mm	5.1 130
	26.1		Center of Wheelbase in mm	6.3 160
27	Working Aisle Width	Minimum non-intrusive right angle stack in mm	Calculate using RAS Calculator	
28	Turning Radius	in mm	104.1 2645	
Performance	29	Travel Speed, Forks First	Loaded / Empty mph km/h	9.3 / 9.9 15.0 / 16.0
	30	Travel Speed, Power Unit First	Loaded / Empty mph km/h	9.3 / 9.9 15.0 / 16.0
	31	Lift Speed	Loaded / Empty fpm m/s	61.0 / 92.5 0.31 / 0.47
	32	Lowering Speed	Loaded / Empty fpm m/s	94.5 / 88.6 0.48 / 0.45
	33	Drawbar Pull	Loaded / Empty (5 min. rating) lbf B	4186 / 4186 18620 / 18620
	34	Gradeability	Loaded / Empty (5 min. rating) %	15 / 25
	35	Brake	Service / Park	Foot - Hyd / Hand - Mechanical
Motors / Batteries	36	Traction Motor	60 min. rating hp KW	13.0 2x 10.0 2x
	37	Lift Motor	15% ON time hp KW	38.0 28.0
	38	Battery Compartment Size	L x W x H in mm	39.6 x 40.9 x 33 1007 x 1040 x 840
	38.1	Max. Battery Size	L x W x H in mm	See Battery Chart
	39	Battery Voltage / Max Ah / Max kWh	@ 6 hour Rate V / Ah / kWh	80 / 930 / 74.4
40	Battery Weight	Min. lb kg	4762 2160	
Misc.	41	Max. Op. Pressure for Attachments	psi Bar	2248 155

C-B Series

Specifications

Mast Chart CB40X-7			TL - Limited Free Lift Mast														
Dimensions	16	Collapsed Height	in mm	86.0	2190	92.0	2340	99.0	2515	112.0	2840	117.0	2965	134.0	3415	142.0	3615
	18	Lift Height	in mm	118.0	3000	130.0	3300	144.0	3650	157.0	4000	167.0	4250	191.0	4850	207.0	5250
	17	Free Lift Height	in mm	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	168.0	4265	180.0	4565	194.0	4915	207.0	5265	217.0	5515	241.0	6115	256.0	6515
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/9		6/5		6/5	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	8000	3625	8000	3625	8000	3625	8000	3625	8000	3625	8000	3625	8000	3625

Mast Chart CB40X-7			TF - Free Lift Mast		
Dimensions	16	Collapsed Height	in mm	85.0	2170
	18	Lift Height	in mm	118.0	3000
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	38.0	970
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	167.0	4240
	15	Tilt (B/F)	deg	6/9	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	8000	3625

Mast Chart CB40X-7			TT - Triple Telescopic Mast														
Dimensions	16	Collapsed Height	in mm	81.0	2050	84.0	2140	88.0	2225	90.0	2290	96.0	2440	102.0	2590	108.0	2740
	18	Lift Height	in mm	157.0	4000	167.0	4250	177.0	4500	185.0	4700	203.0	5150	220.0	5600	238.0	6050
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	33.0	850	37.0	940	40.0	1025	43.0	1090	49.0	1240	55.0	1390	61.0	1540
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	207.0	5265	218.0	5530	228.0	5790	235.0	5980	253.0	6430	271.0	6880	289.0	7330
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/5		6/5		6/3	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	8000	3625	8000	3625	8000	3625	8000	3625	8000	3625	7800	3535	7500	3400

Mast Chart CB45X-7			TL - Limited Free Lift Mast														
Dimensions	16	Collapsed Height	in mm	86.0	2190	92.0	2340	99.0	2515	112.0	2840	117.0	2965	134.0	3415	142.0	3615
	18	Lift Height	in mm	118.0	3000	130.0	3300	144.0	3650	157.0	4000	167.0	4250	191.0	4850	207.0	5250
	17	Free Lift Height	in mm	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	168.0	4265	180.0	4565	194.0	4915	207.0	5265	217.0	5515	241.0	6115	256.0	6515
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/9		6/5		6/5	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	9000	4080	9000	4080	9000	4080	9000	4080	9000	4080	9000	4080	9000	4080

Mast Chart Mast Chart CB45X-7			TF - Free Lift Mast		
Dimensions	16	Collapsed Height	in mm	85.0	2170
	18	Lift Height	in mm	118.0	3000
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	38.0	970
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	167.0	4240
	15	Tilt (B/F)	deg	6/9	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	9000	4080

C-B Series

Specifications

Mast Chart CB45X-7			TT - Triple Telescopic Mast														
Dimensions	16	Collapsed Height	in mm	81.0	2050	84.0	2140	87.0	2220	90.0	2290	96.0	2440	102.0	2590	108.0	2740
	18	Lift Height	in mm	157.0	4000	167.0	4250	177.0	4500	185.0	4700	203.0	5150	220.0	5600	238.0	6050
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	33.0	850	37.0	940	40.0	1025	43.0	1090	49.0	1240	55.0	1390	60.0	1535
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	207.0	5265	218.0	5530	228.0	5790	235.0	5980	253.0	6430	271.0	6880	289.0	7330
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/5		6/5		6/3	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	9000	4080	9000	4080	9000	4080	9000	4080	9000	4080	8800	3990	8500	3855

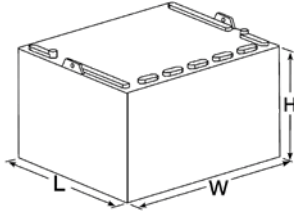
Mast Chart CB50X-7			TL - Limited Free Lift Mast														
Dimensions	16	Collapsed Height	in mm	86.0	2190	92.0	2340	95.0	2410	99.0	2515	112.0	2840	117.0	2965	134.0	3415
	18	Lift Height	in mm	118.0	3000	130.0	3300	136.0	3450	144.0	3650	157.0	4000	167.0	4250	191.0	4850
	17	Free Lift Height	in mm	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160	6.0	160
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	174.0	4415	186.0	4715	192.0	4865	199.0	5065	213.0	5415	223.0	5665	247.0	6265
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/9		6/9		6/5	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	10000	4535	10000	4535	10000	4535	10000	4535	10000	4535	10000	4535	10000	4535

Mast Chart CB50X-7			TF - Free Lift Mast		
Dimensions	16	Collapsed Height	in mm	85.0	2170
	18	Lift Height	in mm	118.0	3000
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	32.0	815
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	173.0	4390
	15	Tilt (B/F)	deg	6/9	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	10000	4535

Mast Chart CB50X-7			TT - Triple Telescopic Mast																
Dimensions	16	Collapsed Height	in mm	81.0	2050	84.0	2140	87.0	2220	90.0	2290	96.0	2440	102.0	2590	108.0	2740	114.0	2885
	18	Lift Height	in mm	157.0	4000	167.0	4250	177.0	4500	185.0	4700	203.0	5150	220.0	5600	238.0	6050	256.0	6500
	17	Free Lift Height 48" (1220mm) Tall Load Backrest	in mm	28.0	700	31.0	785	34.0	870	37.0	935	43.0	1085	49.0	1235	55.0	1385	60.0	1535
	19	Extended Height 48" (1220 mm) Tall Load Backrest	in mm	213.0	5415	224.0	5680	234.0	5935	241.0	6130	259.0	6580	277.0	7030	294.0	7480	312.0	7930
	15	Tilt (B/F)	deg	6/9		6/9		6/9		6/9		6/5		6/5		6/3		6/3	
Rated Capacity @ 24 in. (600 mm) Load Center			in mm	10000	4535	10000	4535	10000	4535	10000	4535	9800	4445	9500	4305	9200	4170	8800	3990

Recommended Battery Size and Battery Minimum Weight

Voltage	Capacity / Discharge Rate		(L) Max. Length		(W) Width Max		(H) Height Max		Minimum Weight	
	Amp-hrs / hr-rate	kw-hrs / hr-rate	in	mm	in	mm	in	mm	in	mm
80	930 / 6	74.4 / 6	39.3	999	40.47	1028	30.9	787	4762	2160



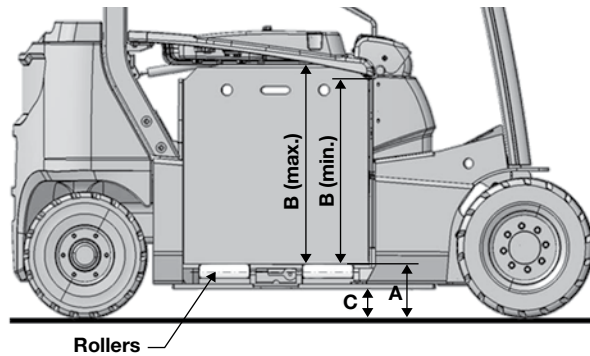
- Note:
1. Recommended Cable Length: 1000 mm (39.4 inches)
 2. Recommended Cable Size: OVER 2/0 GA
 3. Battery connector SBE320 Black or SB350 Black. (Should conform to vehicle connector)

Battery Insertion and Removal

1. Standard slotted overhead guard. Lift from top with battery hoist.
2. Optional battery Side Roll In-Out (SRIO). See diagram.
3. Optional battery Side Lift In-Out with fork lift (SLIO). See diagram.

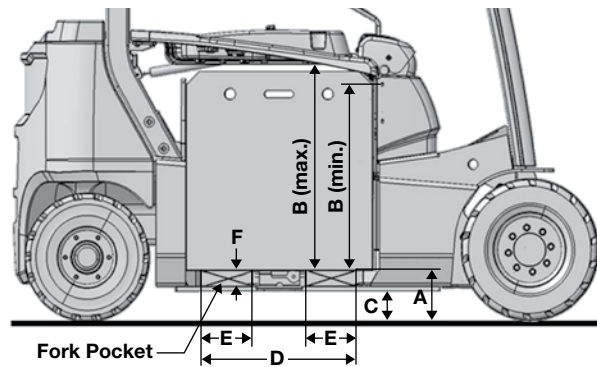
Note: The battery height is limited by the seat deck (battery cover). Therefore, the 'B (min)' dimension is very important.

Side Roll In-Out (SRIO)



Battery Side Roll In-Out (SRIO)				Ground Clearance	
A		B (max / min)		C	
in	mm	in	mm	in	mm
8.38	213	34 / 31.9	864 / 811	5.39	137

Side Lift In-Out (SLIO)



Battery Side Lift In-Out (SLIO)						Ground Clearance				
A		B (max / min)		D	E	F		C		
in	mm	in	mm	in	mm	in	mm	in	mm	
9.3	237	33 / 30.9	840 / 787	27	686	n/a	2.36	60	5.39	137

Standard Features

1. Emergency disconnect switch
2. 80-volt system
3. AC traction and hydraulic systems
4. IP65 rated controllers
5. IP54 rated motors
6. Rugged steer axle with large king pins and tapered roller bearings
7. Regen motor-assist braking
8. Oil-cooled disc brakes
9. Brake oil level indicator
10. Ramp hold
11. Cornering speed control
12. Turtle mode (reduced speed)
13. Operator design features
 - Operator Sensing System (OSS)
 - Park brake alarm
 - Entry grab bar
 - LCD display
 - Seatbelt indicator
 - Adjustable steer column
 - Small steering wheel with spinner knob
 - USB port
 - 12V electrical outlet
 - Cup holder
 - Economy, standard, and high performance modes
 - Rear view mirrors (pair)
 - Low battery warning
14. Cold storage package
15. EE rating
16. Battery hoist chain slot in overhead guard

Optional Equipment

1. Tilt position assist
2. Operator options
 - Directional control on lift lever
 - Fingertip controls with integrated directional control and emergency disconnect switch
 - Panoramic Mirrors
 - Foot operated directional control pedal
3. Lights
 - Combination lights - LED front - worklights and turn signals
 - Rear - stop, tail, backup and turn signals
 - Rear worklight - LED
4. Audible warning devices
 - Travel alarm
 - Smart travel alarm
5. Visual warning devices
 - Flashing light
 - Floor spot light (blue light)
6. Attachments
 - Hang-on sideshifter
 - Integral sideshifting fork positioner
7. Battery Compartment
 - Side Roll In-Out (SRIO) - no hoist/chain slot in overhead guard
 - Side Lift In-Out (SLIO) with fork lift - no hoist/chain slot in overhead guard
8. Tilt cylinder bellows
9. Quick disconnect hydraulics
10. InfoLink ready

Warning Device Options

Audible or Visual Alerts

Safety considerations and dangers associated with audible travel alarms and lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Other Options Available

Contact factory for additional options.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.

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crown.com

Because Crown is continually improving its products, specifications are subject to change without notice.

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