

CROWN

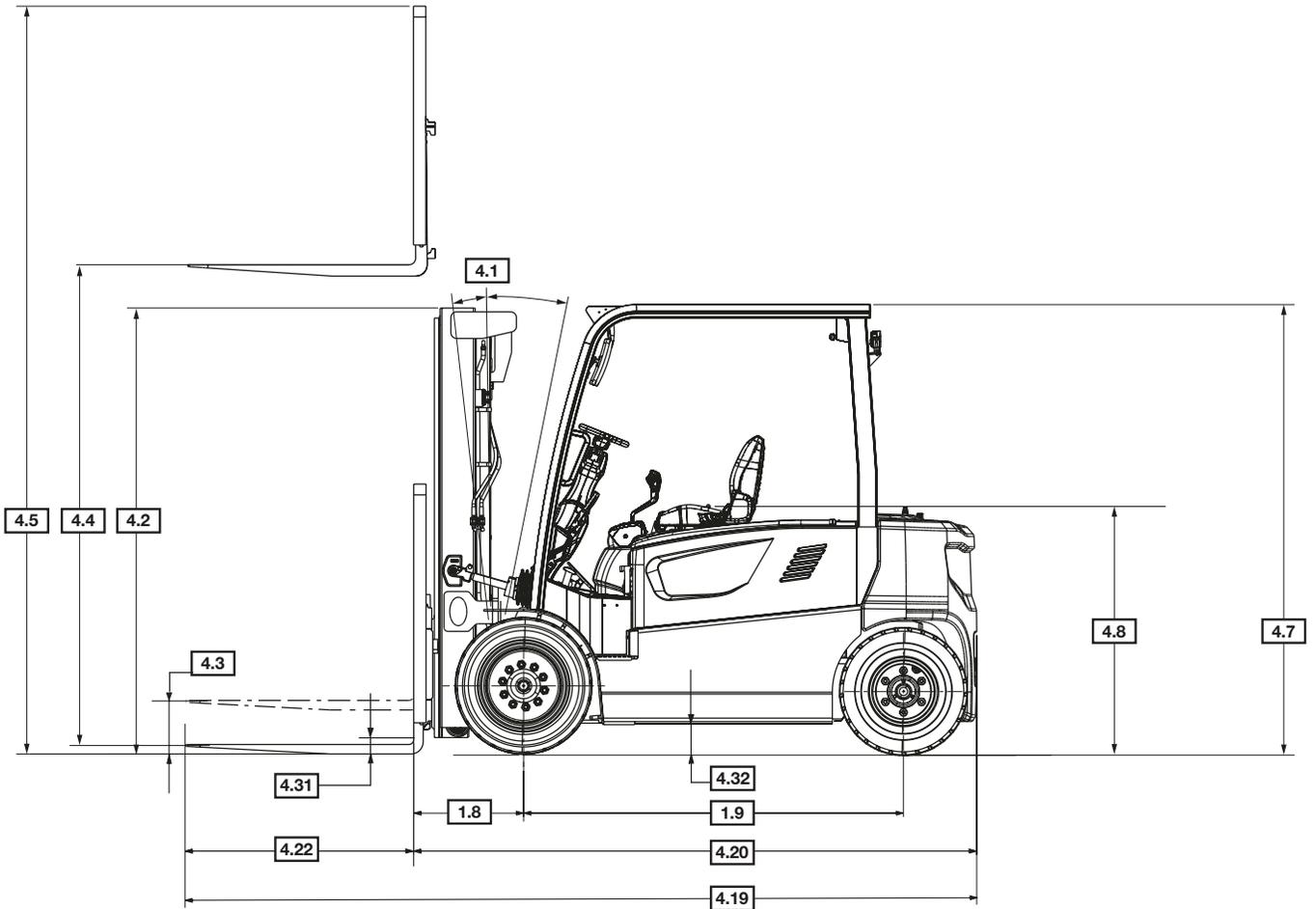
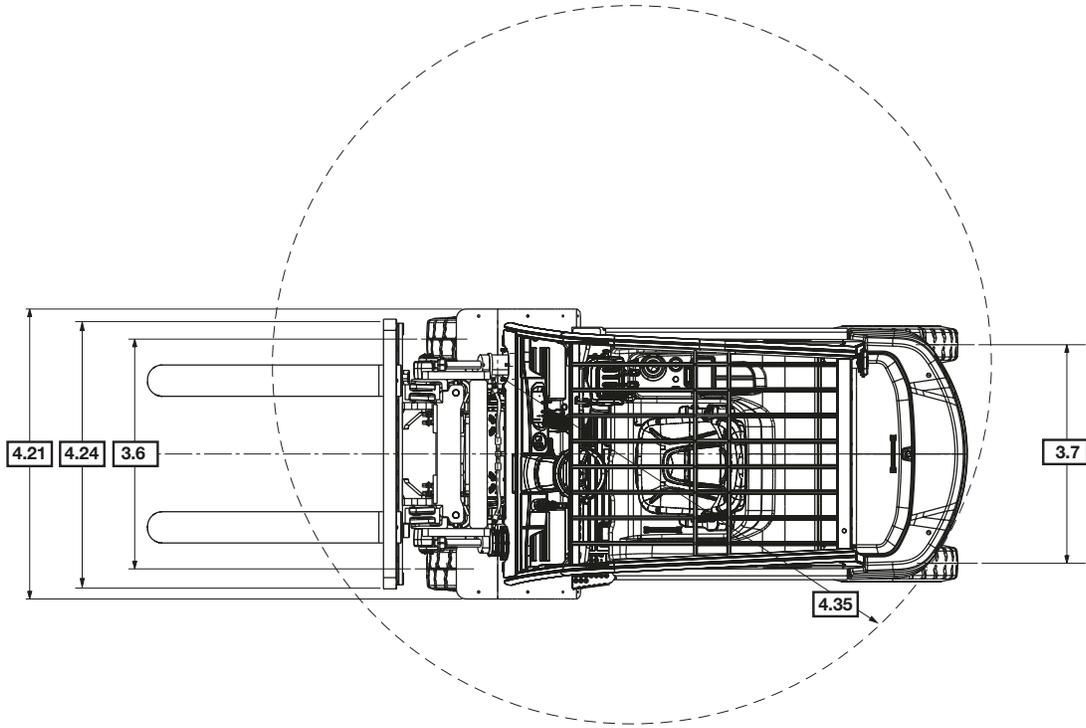
C-B

8,000-10,000 lb Capacity

Electric Pneumatic Tire

Specifications





C-B 40-50 Series

Specifications

			Imperial	Metric	Imperial	Metric		
General Information	1.2	Model	CB40X-7		CB45X-7			
	1.3	Power Type	Electric					
	1.4	Operator Type	Sit-down Rider Counterbalance					
	1.5	Load Capacity	lb kg	8,000	4000	9,000	4500	
	1.6	Load Center	Per ANSI B56.1	in mm	24	600	24	600
	1.8	Load Distance		in mm	22.5	572	22.5	572
	1.9	Wheelbase		in mm	78.7	2000	78.7	2000
Weights	2.1	Service Weight	Less Battery	lb kg	10,697	4852	11,612	5267
	2.2	Axle Load, Loaded	Front / Rear	lb kg	21,768 / 2,509	9874 / 1138	23,384 / 2,910	10607 / 1320
	2.3	Axle Load, Empty	Front / Rear	lb kg	8,223 / 7,236	3730 / 3282	8,146 / 8,228	3695 / 3732
Tires	3.1	Tire Type	Cushion, Solid Pneumatic, Pneumatic				Solid Pneumatic	
	3.2	Tire Size, Front		in mm	250-15		28 x 12.5-15	
	3.3	Tire Size, Rear		in mm	7.00-12		7.00-12	
	3.5	Wheels	Number Front / Rear, x= Drive Wheels		2x / 2			
	3.6	Tread Width	Front	in mm	46.0	1168	45.7	1160
	3.7		Rear	in mm	43.7	1111	43.7	1111
	Dimensions	4.1	Mast	Tilt	deg	See Mast Charts		
4.2		Collapsed Height		in mm				
4.3		Free Lift		in mm				
4.4		Lift Height		in mm				
4.5		Extended Height		in mm				
4.7		Overhead Guard Height		in mm	92.3	2345	92.5	2350
4.8		Seat Height	From floor to SIP	in mm	51.1	1297	51.3	1303
4.19		Overall Length		in mm	157.8	4007	157.8	4007
4.20		Headlength	Length to Fork Face	in mm	116.4	2957	116.4	2957
4.21		Overall Width		in mm	57.9	1470	57.9	1470
4.22		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
4.23		Fork Carriage	Type	in mm	ITA Class III			
4.24			Width		49.2	1250	49.2	1250
4.31		Ground Clearance	Loaded Below Mast	in mm	4.7	120	5.1	130
4.32			Center of Wheelbase	in mm	6.3	160	6.3	160
4.34.1	Working Aisle Width	Minimum non-intrusive right angle stack	in mm	Calculate using RAS Calculator				
4.35	Turning Radius		in mm	103.2	2620	103.2	2620	
Performance	5.1	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
		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
	5.2	Lift Speed	Loaded / Empty	fpm m/s	68.9 / 92.5	0.35 / 0.47	65.0 / 92.5	0.33 / 0.47
	5.3	Lowering Speed	Loaded / Empty	fpm m/s	94.5 / 88.6	0.48 / 0.45	94.5 / 88.6	0.48 / 0.45
	5.6	Drawbar Pull	Loaded / Empty (5 min. rating)	lbf B	4,186 / 4,186	18620 / 18620	4,186 / 4,186	18620 / 18620
	5.8	Gradeability	Loaded / Empty (5 min. rating)	%	17 / 27		16 / 26	
	5.10	Brake	Service / Park		Foot - Hyd / Hand - Mechanical			
Motors / Batteries	6.1	Traction Motor	60 min. rating	hp KW	13.0 2x	10.0 2x	13.0 2x	10.0 2x
	6.2	Lift Motor	15% ON time	hp KW	38.0	28.0	38.0	28.0
	6.3	Battery	According to DIN 43531/35/36		DIN 43536 A		DIN 43536 A	
	6.4		Voltage, 5 hr Rate	V / Ah / kWh	80 / 930 / 74.4			
	6.5		Minimum Weight	lb kg	4,762	2160	4,762	2160
	6.6		Compartment 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
Misc.	10.1	Max. Op. Pressure for Attachments		psi Bar	2,248	155	2,248	155

C-B 40-50 Series

Specifications

				Imperial	Metric
General Information	1.2	Model		CB50X-7	
	1.3	Power (Fuel) Type		Electric	
	1.4	Operator Type		Sit-down Rider Counterbalance	
	1.5	Load Capacity		lb kg	10,000 5000
	1.6	Load Center	Per ANSI B56.1	in mm	24 600
	1.8	Load Distance		in mm	22.5 572
	1.9	Wheelbase		in mm	78.7 2000
Weights	2.1	Service Weight	Less Battery	lb kg	12,352 5603
	2.2	Axle Load, Loaded	Front / Rear	lb kg	25,243 / 2,893 11450 / 1312
	2.3	Axle Load, Empty	Front / Rear	lb kg	8,311 / 8,801 3770 / 3992
Tires	3.1	Tire Type	Cushion, Solid Pneumatic, Pneumatic		Solid Pneumatic
	3.2	Tire Size, Front		in mm	28 x 12.5-15
	3.3	Tire Size, Rear		in mm	7.00-12
	3.5	Wheels	Number Front / Rear, x=Drive Wheels		2x / 2
	3.6	Tread Width	Front	in mm	36.9 937
	3.7		Rear	in mm	36.0 914
Dimensions	4.1	Mast	Tilt	deg	See Mast Charts
	4.2		Collapsed Height	in mm	
	4.3		Free Lift	in mm	
	4.4		Lift Height	in mm	
	4.5		Extended Height	in mm	
	4.7	Overhead Guard Height		in mm	92.5 2350
	4.8	Seat Height	From floor to SIP	in mm	51.3 1303
	4.19	Overall Length		in mm	158.9 4037
	4.20	Headlength	Length to Fork Face	in mm	117.6 2987
	4.21	Overall Width		in mm	57.9 1470
	4.22	Forks	Standard L x W x T	in mm	41.3 x 5.9 x 2.0 1050 x 150 x 50
	4.23	Fork Carriage	Type	in mm	ITA Class IV
	4.24		Width	in mm	52.4 1330
	4.31	Ground Clearance	Loaded Below Mast	in mm	5.1 130
	4.32		Center of Wheelbase	in mm	6.3 160
4.34.1	Working Aisle Width	Minimum non-intrusive right angle stack	in mm	Calculate using RAS Calculator	
4.35	Turning Radius		in mm	104.1 2645	
Performance	5.1	Travel Speed, Forks First	Loaded / Empty	mph km/h	9.3 / 9.9 15.0 / 16.0
		Travel Speed, Power Unit First	Loaded / Empty	mph km/h	9.3 / 9.9 15.0 / 16.0
	5.2	Lift Speed	Loaded / Empty	fpm m/s	61.0 / 92.5 0.31 / 0.47
	5.3	Lowering Speed	Loaded / Empty	fpm m/s	94.5 / 88.6 0.48 / 0.45
	5.6	Drawbar Pull	Loaded / Empty (5 min. rating)	lbf B	4,186 / 4,186 18620 / 18620
	5.8	Gradeability	Loaded / Empty (5 min. rating)	%	15 / 25
	5.10	Brake	Service / Park		Foot - Hyd / Hand - Mechanical
Motors / Batteries	6.1	Traction Motor	60 min. rating	hp KW	13.0 2x 10.0 2x
	6.2	Lift Motor	15% ON time	hp KW	38.0 28.0
	6.3	Battery	According to DIN 43531/35/36		DIN 43536 A DIN 43536 A
	6.4		Voltage, 5hr Rate	V / Ah / kWh	80 / 930 / 74.4
	6.5		Minimum Weight	lb kg	4,762 2160
6.6	Compartment, L x W x H		in mm	39.6 x 40.9 x 33 1007 x 1040 x 840	
Misc.	10.1	Max. Op. Pressure for Attachments		psi Bar	2,248 155

C-B 40-50 Series

Specifications

Mast Chart CB40X-7

Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height With Load Backrest		Free Lift With Load Backrest		Rated Load Capacities			
									Tilt Angle		Load Capacities	
									FWD	BWD	24in LC	600mm LC
	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg
TL	118	3000	86	2190	168	4265	6	160	6	9	8,000	3625
	130	3300	92	2340	180	4565	6	160	6	9	8,000	3625
	144	3650	99	2515	194	4915	6	160	6	9	8,000	3625
	157	4000	111	2840	207	5265	6	160	6	9	8,000	3625
	167	4250	116	2946	217	5515	6	160	6	9	7,950	3606
	191	4850	134	3415	241	6115	6	160	6	5	7,900	3583
TF	118	3000	85	2170	167	4240	38	970	6	9	8,000	3625
TT	157	4000	80	2032	207	5265	33	850	6	9	8,000	3625
	167	4250	84	2140	218	5530	37	940	6	9	7,950	3606
	185	4700	90	2290	235	5980	43	1090	6	9	7,950	3606
	203	5150	95	2410	253	6430	49	1240	6	5	7,900	3583
	220	5600	101	2565	271	6880	55	1390	6	3	7,650	3470
	238	6050	107	2717	289	7330	61	1540	6	3	7,400	3357

Mast Chart CB45X-7

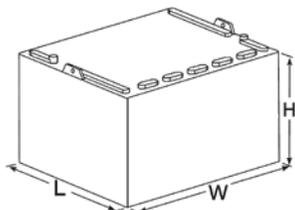
Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height With Load Backrest		Free Lift With Load Backrest		Rated Load Capacities			
									Tilt Angle		Load Capacities	
									FWD	BWD	24in LC	600mm LC
	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg
TL	118	3000	86	2190	168	4265	6	160	6	9	9,000	4080
	130	3300	92	2340	180	4565	6	160	6	9	9,000	4080
	144	3650	99	2515	194	4915	6	160	6	9	9,000	4080
	157	4000	111	2840	207	5265	6	160	6	9	9,000	4080
	167	4250	116	2946	217	5515	6	160	6	9	8,950	4060
	191	4850	134	3415	241	6115	6	160	6	5	8,900	4037
TF	118	3000	85	2170	167	4240	38	970	6	9	9,000	4080
TT	157	4000	80	2032	207	5265	33	850	6	9	9,000	4080
	167	4250	84	2140	218	5530	37	940	6	9	8,950	4060
	185	4700	90	2290	235	5980	43	1090	6	9	8,900	4037
	203	5150	95	2410	253	6430	49	1240	6	5	8,850	4014
	220	5600	101	2565	271	6880	55	1390	6	3	8,600	3901
	238	6050	107	2717	289	7330	61	1540	6	3	8,300	3765

Mast Chart CB50X-7

Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height With Load Backrest		Free Lift With Load Backrest		Rated Load Capacities			
									Tilt Angle		Load Capacities	
									FWD	BWD	24in LC	600mm LC
	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg
TL	118	3000	86	2190	174	4415	6	160	6	9	10,000	4535
	130	3300	92	2340	186	4715	6	160	6	9	10,000	4535
	144	3650	99	2515	199	5065	6	160	6	9	10,000	4535
	157	4000	111	2840	213	5415	6	160	6	9	10,000	4535
	167	4250	116	2946	223	5665	6	160	6	9	9,950	4513
	191	4850	134	3415	247	6265	6	160	6	9	9,900	4491
TF	118	3000	85	2170	173	4390	38	970	6	9	10,000	4535
TT	157	4000	80	2032	213	5415	33	850	6	9	10,000	4535
	167	4250	84	2140	224	5680	37	940	6	9	9,950	4513
	185	4700	90	2290	241	6130	43	1090	6	9	9,900	4491
	203	5150	95	2410	259	6580	49	1240	6	5	9,850	4468
	220	5600	101	2565	277	7030	55	1390	6	3	9,500	4309
	238	6050	107	2717	294	7480	61	1540	6	3	9,150	4150

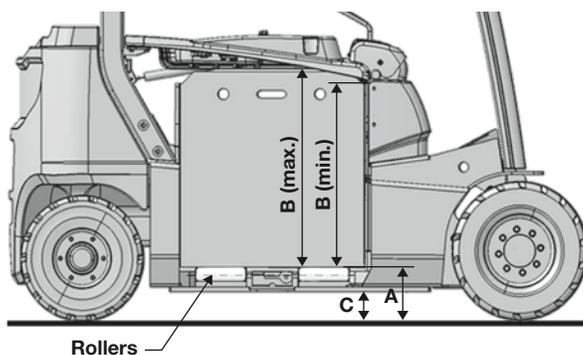
Recommended Battery Size and Battery Minimum Weight

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	lb	kg
80	930 / 6	74.4 / 6	39.3	999	40.47	1028	30.9	787	4,762	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)

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

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.

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

- A. SRIO: Ground - Battery roller height (at center of wheelbase)
- B. Battery compartment height (max./min.)
 - max. SRIO: Hood bottom - Battery roller top height
 - min. SRIO: Lowest point in front of hood - Battery roller top height
- C. Ground Clearance

Standard Features

1. Emergency disconnect switch
2. 80 V electric 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. Intuitive instrument panel
 - LCD display
 - Brake oil level indicator
 - Selectable operation mode (E/S/H)
 - Turtle Mode Indicator
 - Steer Angle Indicator
10. Anti-Roll Back
11. Operator design features
 - Operator Sensing System (OSS)
 - Park brake alarm
 - Entry handle
 - Seatbelt indicator
 - Adjustable steer column
 - Small steering wheel with spinner knob
 - USB port
 - 12 V electrical outlet
 - Cup holder
 - Rear view mirrors (pair)
 - Low battery alarm
12. Cold storage package
13. 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
8. Tilt cylinder bellows
9. Quick disconnect hydraulics
10. InfoLink ready
11. UL EE Rating

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 your local Crown dealer 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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You can count on Crown to build lift trucks designed for safe operation, but that's only part of the safety equation. Crown encourages safe operating practices through ongoing operator training, safety-focused supervision, maintenance and a safe working environment. Go to [crown.com](https://www.crown.com) and view our safety section to learn more.

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