

CROWN

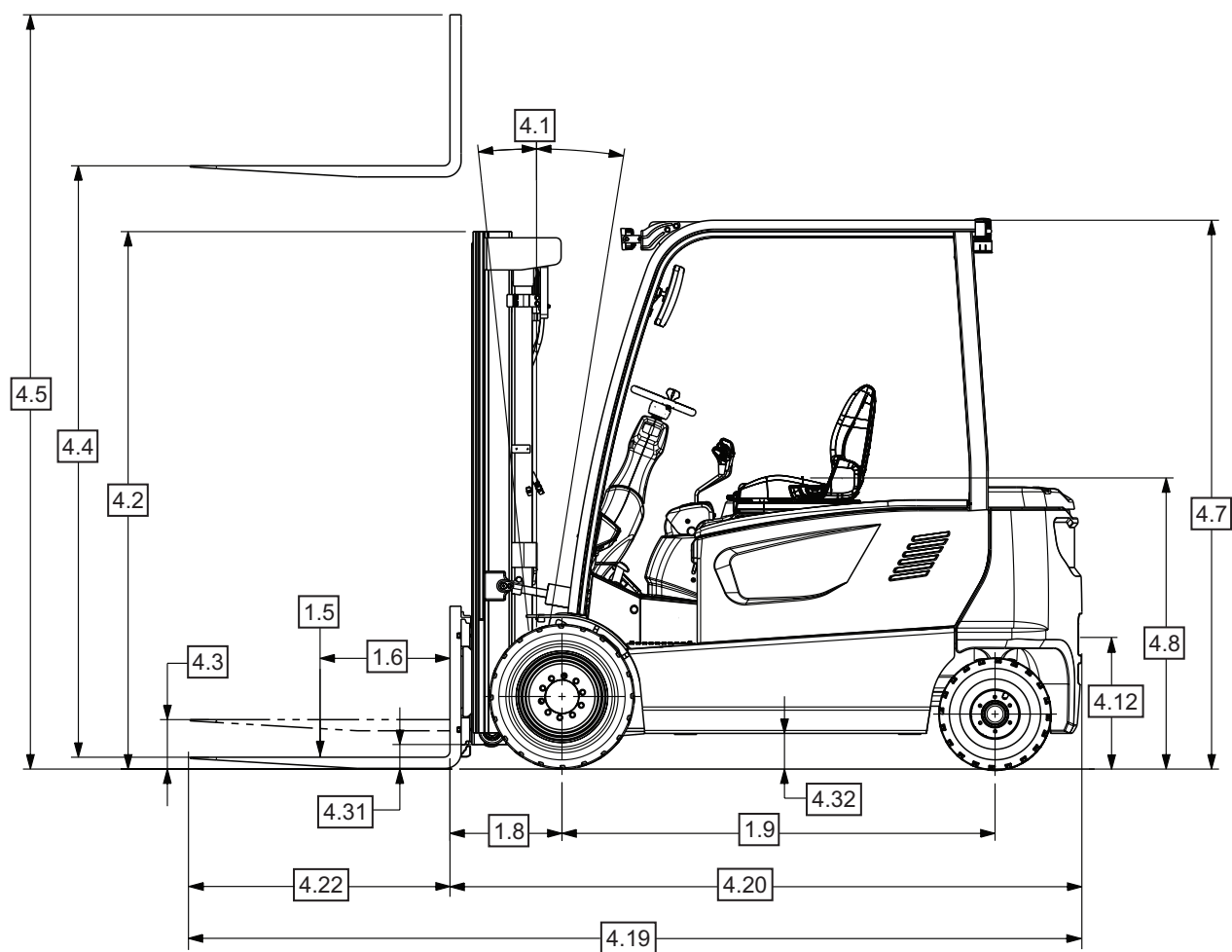
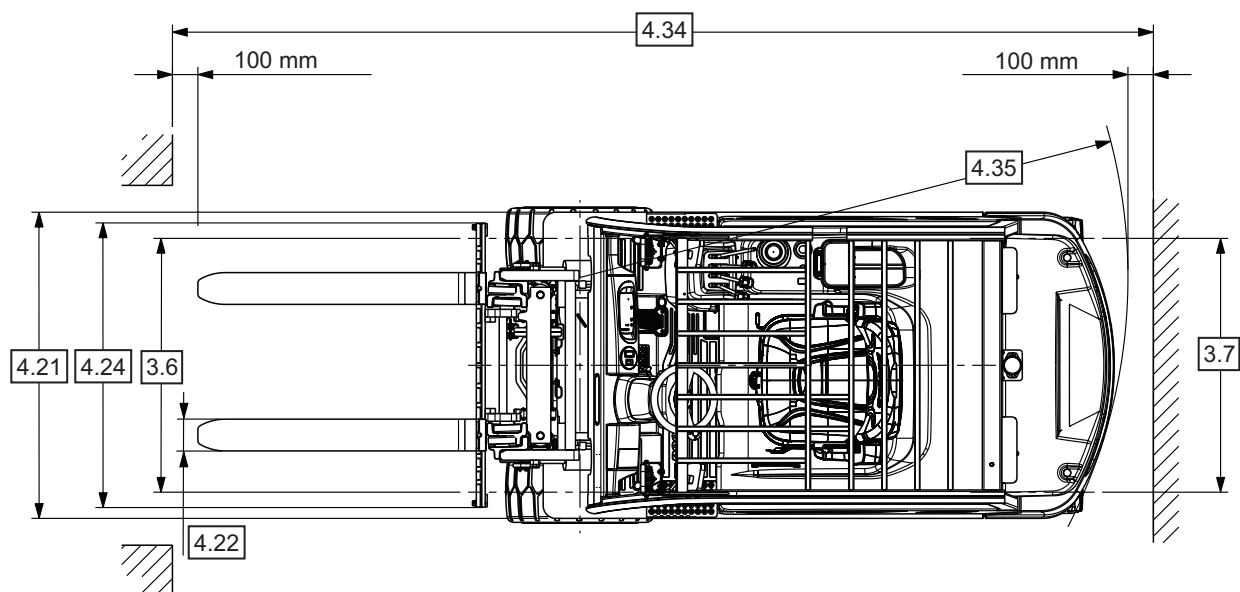
C-B

2,500–3,500 kg capacity

Specifications

Electric counterbalanced lift truck
80 V





C-B 25-35 Series

 Electric counterbalanced
lift truck 80 V

Distinguishing mark	1.2	Model				C-B 25 X-7	C-B 30 X-7	C-B 35 X-7
	1.3	Power source	Electric, diesel, LPG, petrol			Electric		
	1.4	Operator type				Sit-down rider counterbalance		
	1.5	Rated capacity		Q	t	2.5	3.0	3.5
	1.6	Load centre	Fork face to load CG	c	mm	500		
	1.8	Load distance	Centre of wheel to fork face	x	mm	448	454	
	1.9	Wheelbase		y	mm	1,589	1,734	1,750
Weight	2.1	Service weight			kg	4,623	5,068	5,486
	2.2	Axle load	With load front/rear		kg	6,275/848	7,197/870	7,940/1,046
	2.3	Axle load	Without load front/rear		kg	2,284/2,339	2,547/2,521	2,532/2,954
Tyres/Wheels/Chassis	3.1	Tyres				Pneumatic/super elastic		
	3.2	Tyre size	Front, OD x width x rim dia.		mm	23 x 10–12		
	3.3	Tyre size	Rear, OD x width x rim dia.		mm	18 x 7–8		
	3.5	Wheels	Number (x=driven) front/rear			2x/2		
	3.6	Track width	Front	b ₁₀	mm	998		
	3.7	Track width	Rear	b ₁₁	mm	998		
Dimensions	4.1	Mast tilt, Fork carriage	Forward/backward	α / β	°	6/9		
	4.2	Mast collapsed height		h ₁	mm	2,160		
	4.3	Free-lift		h ₂	mm	147	152	152
	4.4	Lift height		h ₃	mm	3,230		3,000
	4.5	Mast extended height		h ₄	mm	3,990		3,760
	4.7	Overhead guard height		h ₆	mm	2,185	2,210	
	4.8	Seat height	Relating to SIP/stand height	h ₇	mm	1,070		
	4.12	Coupler height		h ₁₀	mm	392		
	4.19	Overall length		l ₁	mm	3,379	3,530	3,614
	4.20	Head length	Length to fork face	l ₂	mm	2,329	2,480	2,564
	4.21	Overall width		b ₁	mm	1,245		
	4.22	Fork dimension	DIN ISO 2331	s/e/l	mm	40 x 100 x 1,050	45 x 125 x 1,050	
	4.23	Fork carriage	ISO 2328, class/type A		class	II A	III A	III A
	4.24	Fork carriage width		b ₃	mm	1,103	1,115	
	4.31	Ground clearance	With load, below mast	m ₁	mm	130		
	4.32		With load, centre wheelbase ¹	m ₂	mm	140		
	4.34.1	Aisle width	For pallets 1,000x1,200 crossways	A _{st}	mm	3,620	3,772	3,832
	4.34.2		For pallets 800x1,200 lengthways	A _{st}	mm	3,799	3,950	4,010
	4.35	Turning radius		W _a	mm	1,950	2,095	2,155
	4.36	Internal turning radius		b ₁₃	mm	348	340	
Performance data	5.1	Travel speed	With load/without load		km/h	16 / 18		
	5.2	Lift speed	With load/without load		m/s	0.48/0.60	0.42/0.60	0.38/0.60
	5.3	Lowering speed	With load/without load		m/s	0.49/0.46		0.50/0.46
	5.6	Max. drawbar pull	With load/without load (5 min. rating)		N	17,338/16,426		
	5.8	Max. gradability	With load/without load (5 min. rating)		%	25/38	22/34	20/31
	5.9	Acceleration time	With load/without load		s	4.85/4.75		
	5.10	Service brake	Service brake			Foot/hydraulic		
	Parking brake				Electric			
Electric motor	6.1	Traction motor	60 min. rating		kW	10 x 2		
	6.2	Pump motor	Lift motor rating at S3 15%		kW	21		
	6.3	Battery	Compartment dimensions	lxwxh	mm	1,040 x 720 x 805	1,040 x 865 x 805	
	6.4	Battery voltage	Nominal capacity 5h		V/Ah	80/620	80/775	
	6.5	Battery weight	Min		kg	1,560	1,870	
	6.6	Energy consumption according to DIN EN 16796				kW/h	8.1	
	10.2	Oil volume for attachments			bar/l/min	155/26		
	10.7	Sound pressure level at the operator's seat				dB(A)	68	

Note: values listed in the specification sheet have been rounded. Performance may vary due to operation conditions and/or forklift configurations.

Products and specifications are subject to change without prior notice.

¹ 140 mm is for standard trucks. 103 mm applies for trucks with SRIO (side roll-out) and SLIO (side lift in-out).

Mast chart C-B 25 X-7

Mast type	Maximum fork height h_3	Mast collapsed height h_1	Mast extended height h_4		Mast free-lift height h_2		Rated load capacities					
			With load backrest	Without load backrest	With load backrest	Without load backrest	Tilt angle				Load capacities	
							Single pneumatic		Single super elastic		Single pneumatic	Single super elastic
							FWD	BWD	FWD	BWD	LC 500 mm	LC 500 mm
	mm	mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
TL	2,950	2,020	4,200	3,735	147	147	6	9	6	9	2,500	2,500
	3,230	2,160	4,480	4,015	147	147	6	9	6	9	2,500	2,500
	3,500	2,410	4,755	4,290	147	147	6	9	6	9	2,500	2,500
	3,800	2,560	5,055	4,590	147	147	6	9	6	9	2,500	2,500
	3,950	2,635	5,205	4,740	147	147	6	9	6	9	2,500	2,500
	4,350	2,835	5,605	5,140	147	147	6	9	6	9	2,500	2,500
	4,960	3,135	6,205	5,740	147	147	6	9	6	9	2,425	2,450
TF	2,950	2,020	4,200	3,665	815	1,350	6	9	6	9	2,500	2,500
	3,230	2,160	4,480	3945	955	1,490	6	9	6	9	2,500	2,500
	3,600	2,410	4,855	4,320	1,205	1,740	6	9	6	9	2,500	2,500
TT	3,900	1,885	5,155	4,620	680	1,215	6	9	6	9	2,500	2,500
	4,290	2,020	5,560	5,025	815	1,350	6	9	6	9	2,500	2,500
	4,730	2,160	5,980	5,445	955	1,490	6	9	6	9	2,475	2,500
	4,805	2,165	6,055	5,520	980	1,515	6	9	6	9	2,450	2,475
	5,560	2,510	6,805	6,270	1,305	1,840	6	5	6	9	2,275	2,325
	6,010	2,660	7,255	6,720	1,455	1,990	6	5	6	9	1,700	2,250

Mast chart C-B 30 X-7

Mast type	Maximum fork height h_3	Mast collapsed height h_1	Mast extended height h_4		Mast free-lift height h_2		Rated load capacities					
			With load backrest	Without load backrest	With load backrest	Without load backrest	Tilt angle				Load capacities	
							Single pneumatic		Single super elastic		Single pneumatic	Single super elastic
							FWD	BWD	FWD	BWD	LC 500 mm	LC 500 mm
	mm	mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
TL	2,950	2,020	4,200	3,795	152	152	6	9	6	9	3,000	3,000
	3,230	2,160	4,480	4,075	152	152	6	9	6	9	3,000	3,000
	3,500	2,410	4,755	4,350	152	152	6	9	6	9	3,000	3,000
	3,800	2,560	5,055	4,650	152	152	6	9	6	9	3,000	3,000
	3,950	2,635	5,205	4,800	152	152	6	9	6	9	3,000	3,000
	4,350	2,835	5,605	5,200	152	152	6	9	6	9	2,950	2,975
	4,960	3,135	6,205	5,800	152	152	6	5	6	5	2,800	2,825
TF	2,950	2,020	4,200	3,720	820	1,300	6	9	6	9	3,000	3,000
	3,230	2,160	4,480	4,000	960	1,440	6	9	6	9	3,000	3,000
	3,600	2,410	4,855	4,375	1,210	1,690	6	9	6	9	3,000	3,000
TT	3,900	1,885	5,155	4,675	685	1,165	6	9	6	9	2,900	2,900
	4,290	2,020	5,560	5,080	820	1,300	6	9	6	9	2,900	2,900
	4,730	2,160	5,980	5,500	960	1,440	6	9	6	9	2,850	2,875
	4,805	2,185	6,055	5,575	985	1,475	6	9	6	9	2,850	2,875
	5,560	2,510	6,805	6,325	1,310	1,790	6	9	6	9	2,300	2,700
	6,010	2,660	7,255	6,775	1,460	1,940	6	9	6	9	1,775	2,600

Note: mast specifications and rated capacities are based on standard truck configuration.

Mast chart C-B 35 X-7

Mast type	Maximum fork height h_3	Mast collapsed height h_1	Mast extended height h_4		Mast free-lift height h_2		Rated load capacities					
			With load back-rest	Without load back-rest	With load back-rest	Without load back-rest	Tilt angle				Load capacities	
							Single pneumatic		Single super elastic		Single pneumatic	Single super elastic
							FWD	BWD	FWD	BWD	LC 500 mm	LC 500 mm
	mm	mm	mm	mm	mm	mm	deg	deg	deg	deg	kg	kg
TL	2,720	2,020	3,970	3,695	152	152	6	9	6	9	3,500	3,500
	3,000	2,160	4,250	3,975	152	152	6	9	6	9	3,500	3,500
	3,495	2,410	4,750	4,475	152	152	6	9	6	9	3,500	3,500
	3,655	2,560	4,905	4,630	152	152	6	9	6	9	3,500	3,500
	3,805	2,635	5,055	4,780	152	152	6	9	6	9	3,500	3,500
	4,805	3,135	6,055	5,780	152	152	6	5	6	9	3,125	3,425
TF	2,720	2,020	3,970	3,670	820	1,120	6	5	6	9	3,500	3,500
	3,000	2,160	4,250	3,950	960	1,260	6	5	6	9	3,500	3,500
	3,495	2,410	4,745	4,445	1,210	1,510	6	5	6	9	3,500	3,500
TT	3,555	1,885	4,805	4,505	685	985	6	9	6	9	3,400	3,400
	3,960	2,020	5,210	4,910	820	1,120	6	9	6	9	3,400	3,400
	4,380	2,160	5,630	5,330	960	1,260	6	9	6	9	3,300	3,400
	4,820	2,330	6,070	5,770	985	1,430	6	5	6	9	3,175	3,400
	5,205	2,510	6,455	6,155	1,310	1,610	6	5	6	9	2,575	3,300
	5,655	2,660	6,905	6,605	1,460	1,760	6	5	6	5	2,000	3,200

Note: mast specifications and rated capacities are based on standard truck configuration.

Standard features

1. 80 V electrical system
2. AC motor and hydraulic systems
3. Regenerative braking
4. Electronically assisted braking
5. Emergency switch
6. Manual lever controls
7. Directional control on lift lever
8. Power-assisted steering
9. Intuitive instrument panel
 - LCD screen
 - Brake oil level indicator
 - Selectable operation mode (E/S/H)
 - Turtle mode
 - Steering angle
10. Unlimited ramp hold
11. Speed reduction in turns
12. Weight indicator (hydraulic pressure sensing)
13. Low battery alarm
14. Operator presence sensor
15. Sound suppression
16. Operator design features
 - Entry handle
 - Wide, spacious floorboard
 - Adjustable steer column
 - Suspension seat, vinyl
 - Clear-view overhead guard and mast design
 - USB port in armrest
 - 12 V electrical outlet
 - Cup holder
17. Rugged steer axle with large king pins and tapered roller bearings
18. Pneumatic tyres
19. DIN battery connector
20. IP65 rated controllers
21. IP43 rated motors

Optional equipment

1. TL, TF and TT Mast
2. Additional operator design features
 - Fingertip controls with integrated directional control switch
 - Foot-operated directional control panel
 - Premium suspension seat, vinyl or fabric
 - Rear handle
 - Various mirrors
 - Smart zone speed control
 - Tilt Position Assist
3. Lights
 - LED front worklights with indicators
 - LED rear worklights
4. Audible warning devices
 - Back-up alarm
5. Visual warning devices
 - Flashing light
 - Floor spotlight (blue light)
 - Floor line light
6. Hard cabin
 - incl. heater
7. Rear handle
8. Cooling fan
9. Attachments
 - Hang-on sideshifter
 - Fork positioner with integral sideshifter
10. Super elastic tyres
11. Non-marking super elastic tyres
12. Load backrest
13. Cold storage conditioning
14. Battery rollers
15. Belly pan
16. SBE battery connector
17. Tilt cylinder bellows
18. Quick disconnect hydraulics
19. Enclosed hydraulic and drive pump motors
20. Tool kit
21. InfoLink ready

Warning device notes

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 pedestrians.
- Annoys operators and pedestrians.

Other options available

Contact Crown 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, truck condition, truck equipment and the conditions of the operating area. Crown products and specifications are subject to change without notice.