



C-D

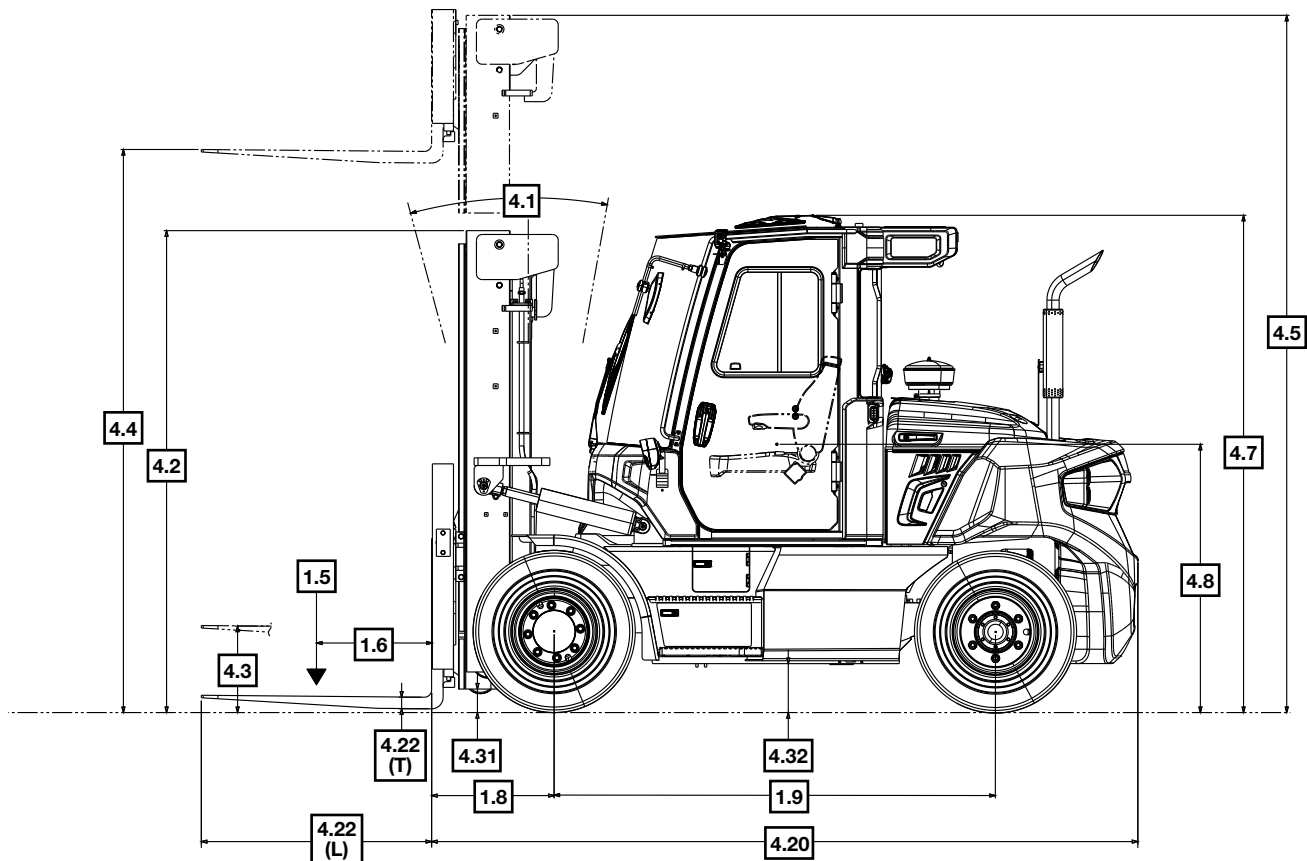
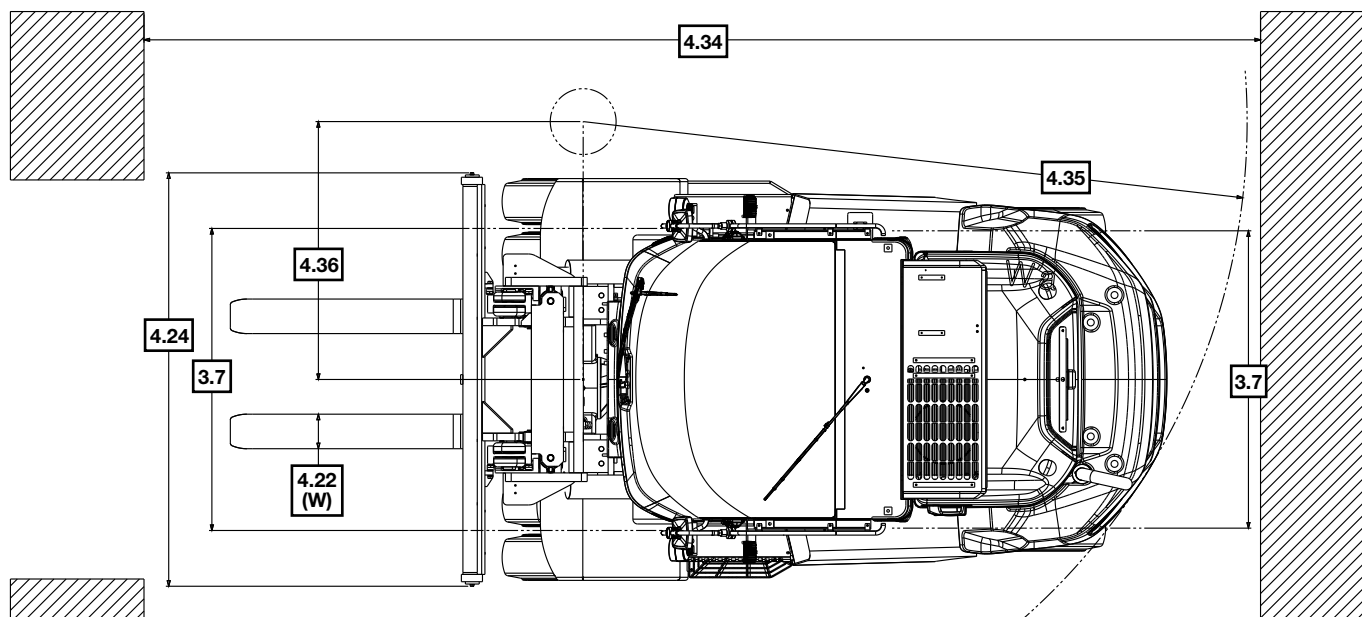
13,500-20,000 lb. Capacity

IC Pneumatic Tire

Specifications



CD70S-9



C-D Series

Specifications

				Imperial		Metric		Imperial		Metric	
General	1.2	Model			CD60S-9			CD70S-9			
	1.3	Power Type			Diesel						
	1.4	Operator Type			Seated						
	1.5	Load Capacity	lb kg		13,500	6000	15,500		7000		
	1.6	Load Center	Fork Face to Load CG	in mm	24	600	24		600		
	1.8	Load Distance	Center of Wheel to Fork Face	in mm	24.9	632	24.9		632		
	1.9	Wheelbase	in mm		90.6	2300	90.6		2300		
Weight	2.1	Service Weight	lb kg		20,800	9435	22,266.7		10100		
	2.2	Axle Load	Loaded, Front/Rear	lb kg	29828.5/4343.1	13530/1970	32970.1/4872.2	14955/2210			
	2.3		Unloaded, Front/Rear	lb kg	9446.8/11353.8	4285/5150	9204.3/13062.4	4175/5925			
Tires	3.1	Tire Type			Pneumatic						
	3.2	Tire Size	Front		8.25x15-14PR						
	3.3		Rear		8.25x15-14PR						
	3.5	Wheels	Number Front / Rear x = driven		x4/2						
	3.6	Track Width	Front	in mm	62.4	1584	62.4		1584		
	3.7		Rear	in mm	61.0	1550	61.0		1550		
Dimensions	4.1	Mast	Tilt, Forward / Backward deg		See Mast Chart						
	4.2		Collapsed Height in mm								
	4.3		Free Lift in mm								
	4.4		Fork Height in mm								
	4.5		Extended Height in mm								
	4.7	Height of Overhead Guard, Cabin	OHG/Cabin	in mm	97.2/99.8	2468/2535	97.2/99.8		2468/2535		
	4.8	Seat Height	in mm		57.3	1455	57.3		1455		
	4.20	Headlength	Length to Fork Face in mm		142.4	3618	145.6		3697		
	4.21	Overall Width	in mm		84.9	2156	84.9		2156		
	4.22	Forks	Thickness x Width x Length in mm		2.4x7.1x47.2	60x180x1200	2.4x7.1x47.2		60x180x1200		
	4.23	Fork Carriage	ISO Class Type		IV		IV				
	4.24		Width in mm		84.9	2156	84.9		2156		
	4.31	Ground Clearance	Loaded, Lowest Point in mm		7.7	196	7.7		196		
	4.32		Center of Wheelbase in mm		8.4	214	8.4		214		
	4.34.1	Working Aisle Width (Right Angle Stack)	40in x 48in Cross-ways in mm		206.8	5252	208.4		5293		
	4.34.2		48in x 40in Cross-ways in mm		213.6	5452	216.3		5493		
	4.35	Turning Radius	External in mm		133.1	3380	135.0		3430		
	4.36		Internal in mm		52.9	1344	52.9		1344		
Performance	5.1	Travel Speed	Loaded/Empty	mph km/h	19.1/21.3	30.8/34.3	18.8/21.3		30.2/34.2		
	5.2	Lift Speed	Loaded/Empty	fpm m/s	98.4/106.3	.50/.54	86.6/94.5		0.44/0.48		
	5.3	Lowering Speed	Loaded/Empty	fpm m/s	98.4/88.6	.50/.45	98.4/88.6		0.50/0.45		
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty	lb kg	13,690.9/-	60900/-	13,583/-		60420/-		
	5.6	Max. Draw Bar Pull	Loaded/Empty	lb kg	17,478.9/-	77750/-	17,368.7/-		77260/-		
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty	%	45/89		39/75				
	5.8	Max. Gradeability	Loaded/Empty	%	61/100		52/00				
	5.10	Brakes	Service Type		Foot/Hydraulic						
	5.10.2		Parking Type		Electronic						
	Drivetrain	7.1	Manufacturer/Model			DI/DM03VA					
7.2		Power	DIN ISO1585	HP HP/kW	108	80.9	108		80.9		
7.3		Rated Speed	RPM min-1		2,300						
7.3.1		Torque	@ 1min.	ft-lb@rpm N-m@rpm	339.3 @ 1400	460 @ 1400	339.3 @ 1400		460 @ 1400		
7.4		Number of Cylinders/Displacement	# cm³		4	3409	4		3409		
7.10		Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah		24	100	24		100		
8.0		Transmission	Type		Auto-shift						
8.2.1		Number of Speeds	Forward/Reverse		3/3						
Other	10.1	Operating Pressure for Attachments		psi bar	2,030.5	140	2,030.5		140		
	10.2	Oil Volume for Attachments		gpm lpm	25.1	95	25.1		95		
	10.4	Fuel Tank Capacity		gal l	42.3	160	42.3		160		
	10.7	Sound Level @ Driver's Ear		EN 12053 dB(A)	74						

Note: Specification values quoted in this specification sheet have been rounded. Performance may vary due to operation conditions.
Products and specifications are subject to improvement and change without prior notices.

C-D Series

Specifications

				Imperial	Metric	Imperial	Metric
General	1.2	Model		CD80S-9		CD90S-9	
	1.3	Power Type		Diesel			
	1.4	Operator Type		Seated			
	1.5	Load Capacity	lb kg	17,500	8000	20,000	9000
	1.6	Load Center	Fork Face to Load CG in mm	24	600	24	600
	1.8	Load Distance	Center of Wheel to Fork Face in mm	28.5	725	28.5	725
	1.9	Wheelbase	in mm	98.4	2500	98.4	2500
Weight	2.1	Service Weight	lb kg	24,978	11330	2,6411.4	11980
	2.2	Axle Load	Loaded, Front/Rear lb kg	37842.4/4916.3	17165/2230	41061.1/5335.2	18625/2420
	2.3		Unloaded, Front/Rear lb kg	10802.7/14175.7	4900/6430	10626.3/15785.1	4820/7160
Tires	3.1	Tire Type		Pneumatic			
	3.2	Tire Size	Front	9.00x20-14PR			
	3.3		Rear	9.00x20-14PR			
	3.5	Wheels	Number Front / Rear x = driven	x4/2			
	3.6	Track Width	Front in mm	65.7	1668	65.7	1668
	3.7		Rear in mm	68.9	1750	68.9	1750
Dimensions	4.1	Mast	Tilt, Forward / Backward deg	See Mast Chart			
	4.2		Collapsed Height in mm				
	4.3		Free Lift in mm				
	4.4		Fork Height in mm				
	4.5		Extended Height in mm				
	4.7	Height of Overhead Guard, Cabin	OHG/Cabin in mm	105.2/109.1	2673/2771	105.2/109.1	2673/2771
	4.8	Seat Height	in mm	60.1	1526	60.1	1526
	4.20	Headlength	Length to Fork Face in mm	158.0	4014	159.1	4040
	4.21	Overall Width	in mm	87.8	2230	87.8	2230
	4.22	Forks	Thickness x Width x Length in mm	2.8x7.1x47.52	70x180x1200	2.8x7.1x47.52	70x180x1200
	4.23	Fork Carriage	ISO Class Type	V		V	
	4.24		Width in mm	87.2	2216	87.2	2216
	4.31	Ground Clearance	Loaded, Lowest Point in mm	11.1	283	11.1	283
	4.32		Center of Wheelbase in mm	13.0	329	13.0	329
	4.34.1	Working Aisle Width	40in x 48in Cross-ways in mm	219.5	5575	223.8	5685
	4.34.2	(Right Angle Stack)	48in x 40in Cross-ways in mm	277.4	5775	231.7	5885
4.35	Turning Radius	External in mm	143.7	3650	144.9	3680	
4.36		Internal in mm	57.8	1468	57.8	1468	
Performance	5.1	Travel Speed	Loaded/Empty mph km/h	18.6/21.8	30/35	18.6/21.8	30/35
	5.2	Lift Speed	Loaded/Empty fpm m/s	84.7/94.5	0.43/0.48	84.7/94.5	0.43/0.48
	5.3	Lowering Speed	Loaded/Empty fpm m/s	98.4/88.6	0.50/0.45	98.4/88.6	0.50/0.45
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty lb kg	14,421.5/-	64150/-	12,771.4/-	56810/-
	5.6	Max. Draw Bar Pull	Loaded/Empty lb kg	16,226.7/-	72180/-	16,157/-	71870/-
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty %	35/57		28/55	
	5.8	Max. Gradeability	Loaded/Empty %	40/78		37/75	
	5.10	Brakes	Service Type	Foot/Hydraulic			
	5.10.2		Parking Type	Electronic			
Drivetrain	7.1	Manufacturer/Model		DI/DM03VA			
	7.2	Power	DIN ISO1585 HP HP/kW	108	80.9	108	80.9
	7.3	Rated Speed	RPM min-1	2,300			
	7.3.1	Torque	@ 1min. ft-lb@rpm N-m@rpm	339.3 @ 1400	460 @ 1400	339.3 @ 1400	460 @ 1400
	7.4	Number of Cylinders/Displacement	# cm³	4	3409	4	3409
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah	24	100	24	100
	8.0	Transmission	Type	Auto-shift			
	8.2.1	Number of Speeds	Forward/Reverse	3/3			
Other	10.1	Operating Pressure for Attachments	psi bar	2,030.5	140	2,030.5	140
	10.2	Oil Volume for Attachments	gpm lpm	35.7	135	35.7	135
	10.4	Fuel Tank Capacity	gal l	67.4	255	67.4	255
	10.7	Sound Level @ Driver's Ear	EN 12053 dB(A)	74			

Note: Specification values quoted in this specification sheet have been rounded. Performance may vary due to operation conditions.
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C-D Series

Specifications

Mast Chart CD 60S-9 & CD70S-9

Shaft Type Carriage without S/S, Without F/M								
Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	2800	110	2395	94	4075	160	205	8
	3000	118	2495	98	4275	168	205	8
	3500	138	2745	108	4775	188	205	8
	3700	146	2845	112	4975	196	205	8
	4000	157	2995	118	5275	208	205	8
	4500	177	3345	132	5775	227	205	8
	5000	197	3595	142	6275	247	205	8
	5500	216	3845	151	6775	267	205	8
	6000	236	4095	161	7275	286	205	8
TT	4250	167	2440	96	5270	207	1500	59
	4550	179	2540	100	5570	219	1626	64
	5000	197	2690	106	6020	237	1780	70
	5600	220	2890	114	6620	261	1990	78
	6050	238	3040	120	7070	278	2110	83

* With Load Backrest

Mast Chart CD 80S-9 & CD90S-9

Shaft Type Carriage without S/S, Without F/M								
Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3100	122	2820	111	4375	172	205	8
	3300	130	2930	115	4575	180	205	8
	3600	142	3085	121	4875	192	205	8
	4100	161	3435	135	5375	212	205	8
	4600	181	3685	145	5875	231	205	8
	5100	200	3935	155	6375	251	205	8
	5600	220	4170	164	6875	271	205	8
	6500	256	4735	186	7775	306	205	8
TT	4350	171	2620	103	5625	221	1425	56
	4800	189	2780	109	6075	239	1570	61
	5400	212	2980	117	6675	263	1760	69
	5850	230	3130	123	7125	281	1910	75
	6540	257	3410	134	7815	308	2190	86

* With Load Backrest

Standard Features

1. Doosan 3.4L diesel engine
2. Auto-throttle up when using hydraulics
3. Auto tensioner on engine drive belt
4. Electronic controlled 3-speed auto-shift transmission
5. Oil-cooled disc brakes
6. Suspension seat with armrest
7. 7" full color operator display
8. Telescopic and tilting steering column
9. Large entry grab bars
10. Rear handle/horn for reverse driving
11. 12-volt power port and USB
12. Electric parking brake
13. Adjustable speed limits
14. Left and right rear view mirrors
15. Front LED worklights
16. Performance modes (Eco/STD/Power)
17. Sealed electrical connectors
18. Door ajar notification
19. Manual tilt overhead guard (for serviceability)
20. Centralized control panel for switches
21. IP67 or higher electrical connectors
22. Centralized electrical junction box
23. Pre-fuel filter

Optional Equipment

1. Tilt position assist (auto-tilt leveling)
2. Heated suspension seat with armrest
3. Finger tip control
4. Audio (radio with MP3)
5. Push button start
6. Seat belt interlock
7. 4th lever interlock for clamping attachments
8. Front/rear view cameras
9. Weight scales (hydraulic and load cell types)
10. Siren & microphone
11. Rear LED worklights
12. Additional transmission and hydraulic oil coolers
13. Radiator screen
14. Under protection belly plate
15. Engine block heater
16. Mud/debris guard rear
17. Automatic tilt overhead guard (for serviceability)
18. Tankless air compressor
19. Tire options
20. Factory installed sideshifters and fork positioners
21. Full and modular cabins with heat and air conditioning
22. Various lighting solutions (Blue floor spot lights)
23. Operator cooling fans
24. InfoLink® ready
25. Hydraulic accumulators (reduce carriage bounce)
26. Lifting eyes

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

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 sell 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 and view our safety section to learn more.

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