

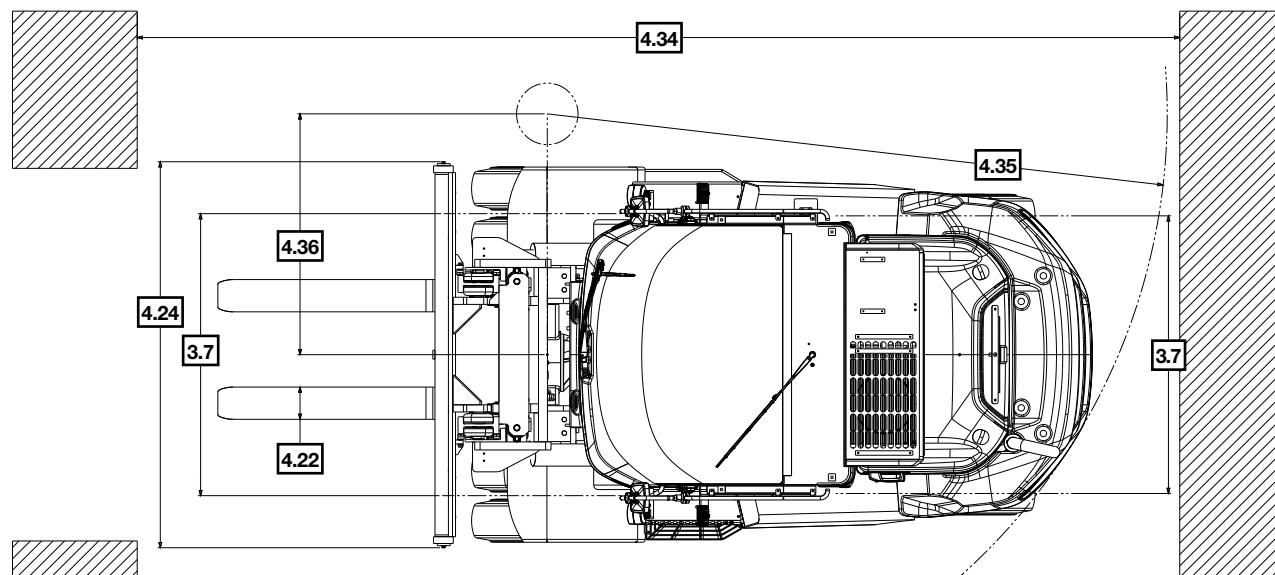
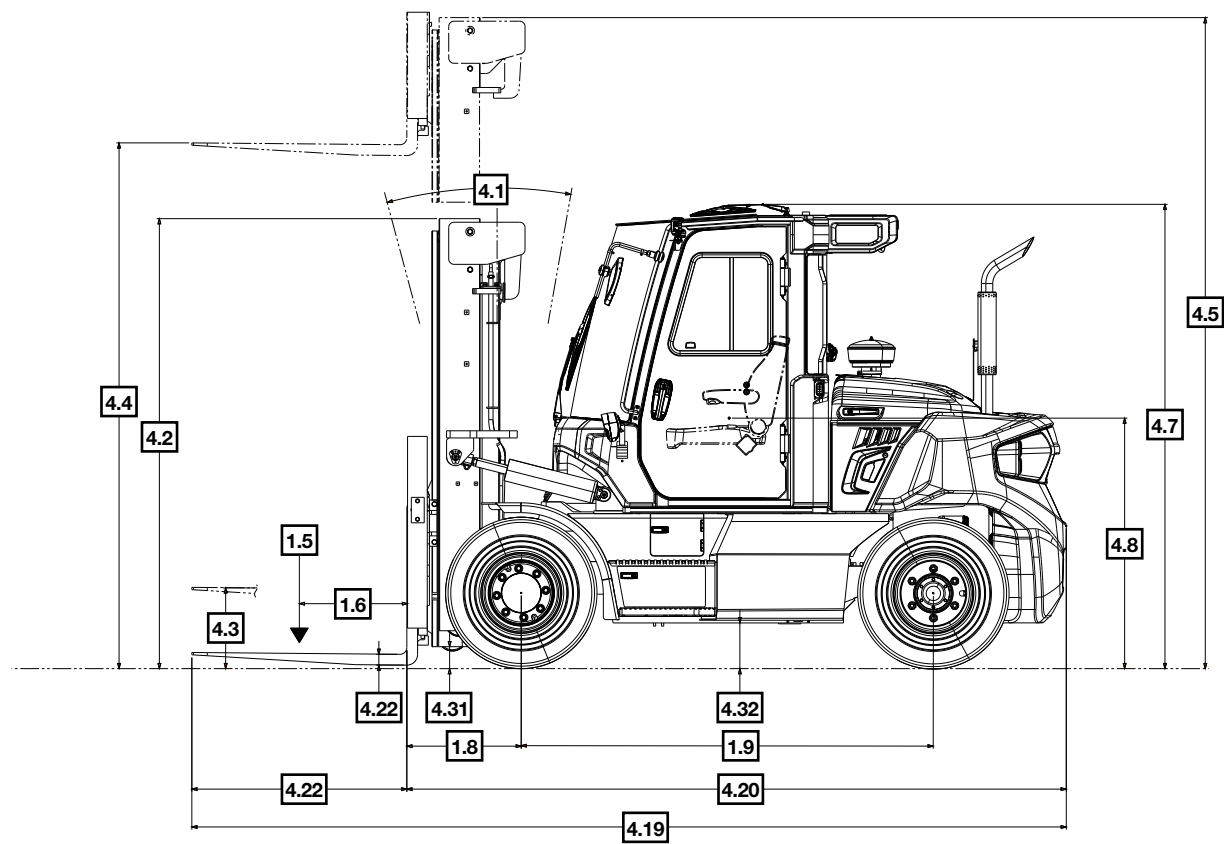


C-D

13,500-20,000 lb. Capacity
IC Pneumatic Tire

Specifications





C-D Series

Specifications

Characteristics	1.2	Model		CD60S-9	CD70S-9	CD80S-9	CD90S-9
	1.3	Power	Diesel, Gasoline, LPG	Diesel			
	1.4	Operator Type		Seated			
	1.5	Load Capacity	lb (kg)	13500 (6000)	15500 (7000)	17500 (8000)	20000 (9000)
	1.6	Load Center	Fork Face to Load CG in (mm)	23.6 (600)			
	1.8	Load Distance: Center of Driveaxle to fork	Center of Wheel to Fork Face in (mm)	24.9 (632)		28.5 (725)	
Weight	1.9	Wheelbase	in (mm)	90.6 (2300)		98.4 (2500)	
	2.1	Service Weight	with min. battery wt. lb (kg)	20800.6 (9435)	22266.7 (10100)	24978.4 (11330)	26411.4 (11980)
	2.2	Axle Loading, Laden Front/Rear	Less Battery lb (kg)	29828.5 (13530) / 4343.1 (1970)	32970.1 (14955) / 4872.2 (2210)	37842.4 (17165) / 4916.3 (2230)	41061.1 (18625) / 5335.2 (2420)
	2.3	Axle Loading, Unladen Front/Rear	Front / Rear lb (kg)	9446.8 (4285) / 11353.8 (5150)	9204.3 (4175) / 13062.4 (5925)	10802.7 (4900) / 14175.7 (6430)	10626.3 (4820) / 15785.1 (7160)
Types	3.1	Tire Type	Pneumatic, Super Elastic, Cushion	Pneumatic			
	3.2	Tire Size	Front OD x Width x Rim Dia.	8.25x15-14PR		9.00 x 20-14PR	
	3.3		Rear OD x Width x Rim Dia.				
	3.5	Wheels	Number Front / Rear x = driven	x4 / 2			
	3.6	Track Width	Front in (mm)	62.4 (1584)		65.7 (1668)	
	3.7		Rear in (mm)	61.0 (1550)		68.9 (1750)	
Dimensions	4.1	Mast Tilt	Forward / Backward deg	See Mast Chart			
	4.2	Height, Mast Lowered	in (mm)				
	4.3	Free Lift	in (mm)				
	4.4	Lift	in (mm)				
	4.5	Height, Mast Extended	in (mm)				
	4.7	Height of Overhead Guard/Cabin	in (mm)	97.2 (2468) / 99.8 (2535)		105.2 (2673) / 109.1 (2771)	
	4.8	Seat Height	in (mm)	57.3 (1455)		60.1 (1526)	
	4.19	Overall Length	in (mm)	189.7 (4818)	192.8 (4897)	205.3 (5214)	206.3 (5240)
	4.20	Head Length	Length to Fork Face in (mm)	142.4 (3618)	145.6 (3697)	158.0 (4014)	159.1 (4040)
	4.21	Overall Width	in (mm)	84.9 (2156)		87.8 (2230)	
	4.22	Fork Dimensions	T x W x L in (mm)	2.4x7.1x47.2 (60x180x1200)		2.8 x 7.1 x 47.2 (70 x 180 x 1200)	
	4.23	Fork Carriage ISO 2328	Class / Type A,B	4 / B		5 / B	
	4.24	Fork Carriage Width	in (mm)	84.9 (2156)		87.2 (2216)	
	4.31	Ground Clearance	Loaded, Lowest Point in (mm)	7.7 (196)		11.1 (283)	
	4.32		Center of Wheelbase in (mm)	8.4 (214)		13.0 (329)	
	4.34.1	Working Aisle Width	Pallets 1000 x 1200 Traverse in (mm)	206.8 (5252)	208.4 (5293)	219.5 (5575)	223.8 (5685)
	4.34.2		Pallets 800 x 1200 Length in (mm)	213.6 (5452)	216.3 (5493)	277.4 (5775)	231.7 (5885)
	4.35	Turning Radius	in (mm)	133.1 (3380)	135.0 (3430)	143.7 (3650)	144.9 (3680)
	4.36	Internal Turning Radius	in (mm)	52.9 (1344)		57.8 (1468)	
Performance Data	5.1	Travel Speed	Loaded / Empty mph (km/h)	19.1 (30.8) / 21.3 (34.3)	18.8 (30.2) / 21.3 (34.2)	18.6 (30) / 21.8 (35)	
	5.2	Lift Speed	Loaded / Empty fpm (m/s)	98.4 (0.50) / 106.3 (0.54)	86.6 (0.44) / 94.5 (0.48)	84.7 (0.43) / 94.5 (0.48)	
	5.3	Lowering Speed	Loaded / Empty fpm (m/s)	98.4 (0.5) / 88.6 (0.45)			
	5.5	Drawbar Pull	Loaded / Empty (1.6km/h) lb (N)	13690.9 (60900)	13583.0 (60420)	14421.5 (64150)	12771.4 (56810)
	5.6	Max. Drawbar Pull	Loaded / Empty lb (N)	17478.9 (77750)	17368.7 (77260)	16226.7 (72180)	16157.0 (71870)
	5.7	Gradeability	Loaded / Empty (1.6km/h) %	45 / 89	39 / 75	35 / 57	28 / 55
	5.8	Max. Gradeability	Loaded / Empty %	61 / 100	52 / 100	40 / 78	37 / 75
	5.10	Brakes	Service Type	Foot / Hyd			
Engine			Parking Type	Electronic			
	7.1	Manufacturer / Model (Emission Standard)		HDI (Hyundai Infracore) / DM03VA (Stage 5) HDI (Hyundai Infracore) / DM03PA (Tier 4 Final)			
	7.2	Engine Power	DIN ISO1585 hp (kW)	108.5 (80.9)			
	7.3	Rated Speed	RPM min-1	2300			
	7.3.1	Torque at 1/min	ft-lbs (N-m @ rpm)	339.3 (460 @ 1400)			
	7.4	Number of Cylinders / Displacement	-/cc (-/cm3)	4 / 3409			
	7.5	Fuel Consumption according to EN Mode	gal/h (l/h)	1.32 (5.0)		1.74 (6)	
Addition	7.10	Battery Voltage / normal capacity	Voltage / Ampere hour V/Ah	24 / 100			
	10.1	Operating Pressure for attachments	psi (bar)	2030.5 (140)			
	10.2	Oil Volume for attachments	gpm (l/min)	25.1 (95)		35.7 (135)	
	10.4	Fuel Tank Capacity	gal (l)	42.3 (160)		67.4 (255)	
10.7	Sound Level at 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

Mast Chart CD 60S-9

Shaft Type Carriage (without S/S, Without F/M)									Rated Load Capacities			
									Double Pneumatic			
Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Tilt Angle		Load Capacities	
					With Load Backrest		With Load Backrest		FWD	BWD	LC600mm	LC24in
	mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb
TL	2800	110	2395	94	4075	160	205	8	15°	10°	6000	13500
	3000	118	2495	98	4275	168	205	8	15°	10°	6000	13500
	3500	138	2745	108	4775	188	205	8	15°	10°	6000	13500
	3700	146	2845	112	4975	196	205	8	15°	10°	6000	13500
	4000	157	2995	118	5275	208	205	8	15°	10°	6000	13500
	4500	177	3345	132	5775	227	205	8	15°	10°	6000	13500
	5000	197	3595	142	6275	247	205	8	15°	10°	6000	13500
	5500	217	3845	151	6775	267	205	8	15°	10°	5900	13000
	6000	236	4095	161	7275	286	205	8	15°	10°	5750	12700
	6500	256	4445	175	7775	306	205	8	15°	10°	5500	12150
TT	4250	167	2440	96	5270	207	1480	58	15°	10°	6000	13500
	4550	179	2540	100	5570	219	1580	62	15°	10°	6000	13500
	5000	197	2690	106	6020	237	1730	68	15°	10°	5800	12800
	5600	220	2890	114	6620	261	1930	76	15°	10°	5500	12150
	6050	238	3040	120	7070	278	2080	82	15°	10°	5300	11700
	6500	256	3240	126	7520	296	2280	88	15°	10°	5150	11350
	6800	268	3340	131	7820	308	2380	94	15°	10°	5050	11150
	7275	286	3500	138	8295	327	2540	100	15°	10°	4850	10700

Mast Chart CD 70S-9

Shaft Type Carriage(without S/S, Without F/M)									Rated Load Capacities			
									Double Pneumatic			
Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Tilt Angle		Load Capacities	
					With Load Backrest		With Load Backrest		FWD	BWD	LC600mm	LC24in
	mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb
TL	2800	110	2395	94	4075	160	205	8	15°	10°	7000	15500
	3000	118	2495	98	4275	168	205	8	15°	10°	7000	15500
	3500	138	2745	108	4775	188	205	8	15°	10°	7000	15500
	3700	146	2845	112	4975	196	205	8	15°	10°	7000	15500
	4000	157	2995	118	5275	208	205	8	15°	10°	7000	15500
	4250	167	3120	123	5525	218	205	8	15°	10°	7000	15500
	4500	177	3345	132	5775	227	205	8	15°	10°	7000	15500
	5000	197	3595	142	6275	247	205	8	15°	10°	7000	15500
	5335	210	3845	151	6610	260	205	8	15°	10°	7000	15500
	5500	217	3845	151	6775	267	205	8	15°	10°	7000	15500
	6000	236	4095	161	7275	286	205	8	15°	10°	6850	15100
	6500	256	4445	175	7775	306	205	8	15°	10°	6600	14550
TT	4250	167	2440	96	5270	207	1480	58	15°	10°	7000	15500
	4550	179	2540	100	5570	219	1580	62	15°	10°	7000	15500
	5000	197	2690	106	6020	237	1730	68	15°	10°	6900	15200
	5600	220	2890	114	6620	261	1930	76	15°	10°	6650	14650
	6050	238	3040	120	7070	278	2080	82	15°	10°	6450	14200
	6500	256	3240	128	7520	296	2280	90	15°	10°	6200	13650
	6800	268	3340	131	7820	308	2380	94	15°	10°	6100	13450
	7275	286	3500	138	8295	327	2540	100	15°	10°	5300	11700

C-D Series

Specifications

Mast Chart CD 80S-9

Shaft Type Carriage (without S/S, Without F/M)									Rated Load Capacities			
									Double Pneumatic			
Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Tilt Angle		Load Capacities	
					With Load Backrest		With Load Backrest		FWD	BWD	LC600mm	LC24in
	mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb
TL	3100	122	2835	112	4375	172	215	8	15°	10°	8000	17500
	3300	130	2935	116	4575	180	215	8	15°	10°	8000	17500
	3600	142	3085	121	4875	192	215	8	15°	10°	8000	17500
	4100	161	3435	135	5375	212	215	8	15°	10°	8000	17500
	4600	181	3685	145	5875	231	215	8	15°	10°	8000	17500
	5100	201	3935	155	6375	251	215	8	15°	10°	8000	17500
	5400	213	4085	161	6675	263	215	8	15°	10°	8000	17500
	5600	220	4185	165	6875	271	215	8	15°	10°	7800	17200
	6500	256	4735	186	7775	306	215	8	15°	10°	7400	16300
TT	4350	171	2630	104	5625	221	1420	56	15°	10°	8000	17500
	4800	189	2780	109	6075	239	1570	62	15°	10°	8000	17500
	5400	213	2980	117	6675	263	1770	70	15°	10°	7750	17100
	5850	230	3130	123	7125	281	1920	76	15°	10°	7500	16550
	6540	257	3410	134	7815	308	2200	87	15°	10°	7100	15650
	7650	301	3780	149	8925	351	2570	101	15°	10°	5400	11900

Mast Chart CD 90S-9

Shaft Type Carriage (without S/S, Without F/M)									Rated Load Capacities			
									Double Pneumatic			
Mast Type	Maximum Fork Height		Maximum Lowered Height		Fully Extended Height		Free Lift		Tilt Angle		Load Capacities	
					With Load Backrest		With Load Backrest		FWD	BWD	LC600mm	LC24in
	mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb
TL	3100	122	2835	112	4375	172	215	8	15°	10°	9000	20000
	3300	130	2935	116	4575	180	215	8	15°	10°	9000	20000
	3600	142	3085	121	4875	192	215	8	15°	10°	9000	20000
	4100	161	3435	135	5375	212	215	8	15°	10°	9000	20000
	4600	181	3685	145	5875	231	215	8	15°	10°	9000	20000
	5100	201	3935	155	6375	251	215	8	15°	10°	9000	20000
	5400	213	4085	161	6675	263	215	8	15°	10°	8900	19600
	5600	220	4185	165	6875	271	215	8	15°	10°	8750	19300
	6500	256	4735	186	7775	306	215	8	15°	10°	8200	18100
TT	4350	171	2630	104	5625	221	1420	56	15°	10°	9000	20000
	4800	189	2780	109	6075	239	1570	62	15°	10°	9000	20000
	5400	213	2980	117	6675	263	1770	70	15°	10°	8700	19200
	5850	230	3130	123	7125	281	1920	76	15°	10°	8350	18400
	6540	257	3410	134	7815	308	2200	87	15°	10°	7900	17400
	7650	301	3780	149	8925	351	2570	101	15°	10°	5400	11900

Standard Features

1. HDI (Hyundai Infracore) 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 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 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.

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

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