C-D

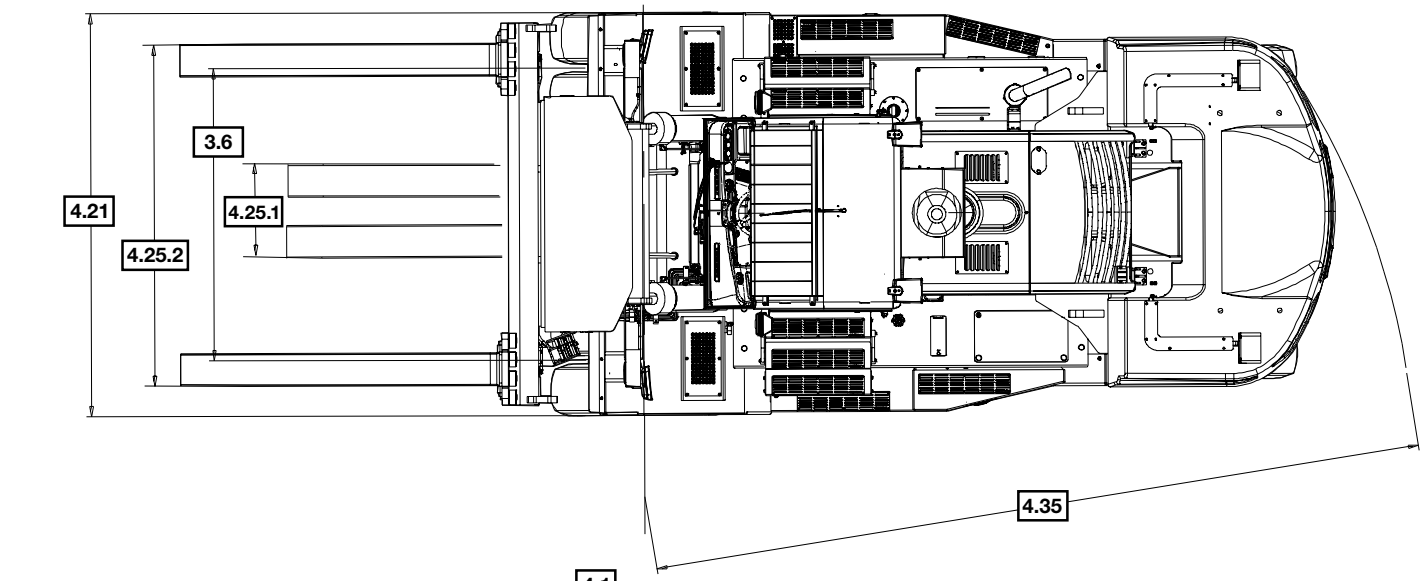
40,000–55,000 lb. Capacity

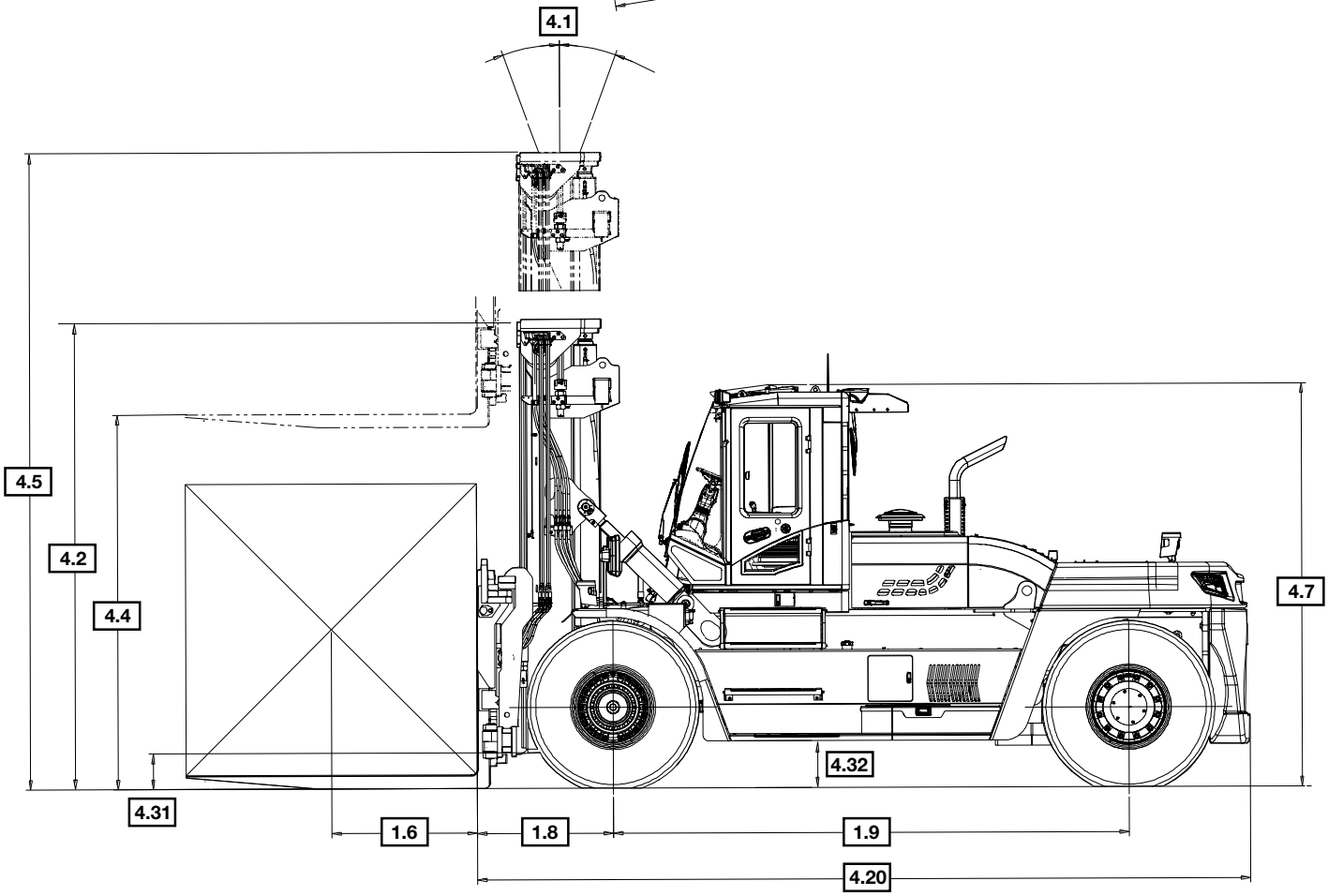
IC Pneumatic Tire

Specifications



CDV250S-7


3.6
4.21
4.25.1
4.25.2
4.35


4.1
4.5
4.2
4.4
4.7
4.32
4.31
1.6
1.8
1.9
4.20

					Imperial	*Metric*	*Imperial*	*Metric*
General	1.2	**Model**			**CDV180S-7**		**CDV250S-7**	
	1.3	**Power Type**			Diesel		Diesel	
	1.4	**Operator Type**			Seated		Seated	
	1.5	**Load Capacity**		lb kg	40,000	18144	55,000	24948
	1.6	**Load Center**	Fork Face to Load CG	in mm	48	1200	48	1200
	1.8	**Load Distance**	Center of Wheel to Fork Face	in mm	39.4	1000	44.1	1120
	1.9	**Wheelbase**		in mm	147.6	3750	167.3	4250
Weight	2.1	**Service Weight**		lb kg	58,202	26400	84,878	38500
	2.2	**Axle Load**	Loaded, Front / Rear	lb kg	90,853 / 7,033	41210 / 3190	127,641 / 12,353	57897 / 5603
	2.3		Unloaded, Front / Rear	lb kg	27,888 / 30,314	12650 / 13750	42,439 / 42,439	19250 / 19250
Tires	3.1	**Tire Type**			Pneumatic		Pneumatic	
	3.2	**Tire Size**	Front		12.00 R20		14.00-24"-28PR	
	3.3		Rear		12.00 R21		14.00-24"-28PR	
	3.5	**Wheels**	Number Front / Rear	x = driven	x4 / 2		x4 / 2	
	3.6	**Track Width**	Front	in mm	73.1	1858	86.6	2200
	3.7		Rear	in mm	77.8	1976	84.3	2140
Dimensions	4.1	**Mast**	Tilt, Forward / Backward	deg	See Mast Charts		See Mast Charts	
	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	-/115.4	-/2930	-/130.3	-/3310
	4.8	**Seat Height**		in mm	70.9	1800	84.6	2150
	4.20	**Headlength**	Length to Fork Face	in mm	220.3	5595	250	6350
	4.21	**Overall Width**		in mm	100	2540	120.1	3050
	4.22	**Forks**	Thickness x Width x Length	in mm	3.94 x 9.84 x 94.49	100 x 250 x 2400	4.33 x 9.84 x 94.49	110 x 250 x 2400
	4.23	**Fork Carriage**	ISO Class	Type	-	-	-	-
	4.24		Width	in mm	102	2591	116	2946
	4.31	**Ground Clearance**	Loaded, Lowest Point	in mm	8.3	210	11.4	290
	4.32		Center of Wheelbase	in mm	12.8	325	15	380
	4.34.1	**Working Aisle Width (Right Angle Stack)**	90° Stacking Aisle	in mm	343.3	8270	380.7	9670
	4.34.2		90° Intersecting Aisle	in mm	184.6	4690	215	5460
	4.35	**Turning Radius**	External	in mm	201.6	5120	234.3	5950
	4.36		Internal	in mm	-	-	-	-
Performance	5.1	**Travel Speed**	Loaded / Empty	mph km/h	24.2 / 26.1	39.0 / 42.0	23.0 / 24.9	37.0 / 40.0
	5.2	**Lift Speed**	Loaded / Empty	fpm m/s	74.8 / 80.7	0.38 / 0.41	61.0 / 66.9	0.31 / 0.34
	5.3	**Lowering Speed**	Loaded / Empty	fpm m/s	78.7 / 68.9	0.40 / 0.35	78.7 / 68.9	0.40 / 0.35
	5.5	**Draw Bar Pull @1mph/1.6kph**	Loaded / Empty	lb N	32,298	143668	50,063	222691
	5.7	**Gradeability @1mph/1.6kph**	Loaded / Empty	%	35.6		36.0	
	5.8	**Max. Gradeability**	Loaded / Empty	%	-	-	-	-
	5.10	**Brakes**	Service	Type	Oil-Cooled Disc		Oil-Cooled Disc	
	5.10.2		Parking	Type	Mechanical		Mechanical	
Drivetrain.	7.1	**Manufacturer/Model**			Doosan / DL08P		Doosan / DL08P	
	7.2	**Power**	DIN ISO1585	HP kW	246.5	183.7	285.9	213.3
	7.3	**Rated Speed**	RPM	min-1	2,100		2,100	
	7.3.1	**Torque**	@ 1min.	ft-lb@rpm N-m@rpm	853 @ 1,300	1157 @ 1300	911 @ 1,300	1236 @ 1300
	7.4	**Number of Cylinders/Displacement**		# cm^3	6	7640	6	7640
	7.10	**Battery Voltage/Nominal Capacity**	Voltage / Ampere hour	V Ah	24 (12x2)	150	24 (12x2)	150
	8.0	**Transmission**		Type	Auto-shift		Auto-shift	
	8.2.1	**Number of Speeds**	Forward / Reverse		4 / 3		4 / 3	
Other	10.1	**Operating Pressure for Attachments**	System / Attachment	psi bar	3,408 / 2,683	235 / 185	3,336 / 3,191	230 / 220
	10.2	**Oil Volume for Attachments**		gpm lpm	44.9	170	50.2	190
	10.4	**Fuel Tank Capacity**		gal l	79	300	105	400
	10.7	**Sound Level @ Driver's Ear**	EN 12053	dB(A)	76.2		75	

Mast Chart CDV180S-7

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	3226	127	4705	185	0	0
	3500	138	3480	137	5205	205	0	0
	4500	177	3988	157	6205	244	0	0
	5000	197	4242	167	6705	264	0	0
TT	4500	177	2921	115	5920	233	1550	61
	5000	197	3099	122	6430	253	1727	68
	6000	236	3429	135	7420	292	2058	81

* With Load Backrest

Mast Chart CDV250S-7

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3500	138	3226	142	5310	209	0	0
	4000	157	3861	152	5810	229	0	0
	5000	197	4343	171	6810	268	0	0
	5588	220	4648	183	7410	292	0	0
TT	4700	185	3404	134	6530	257	1600	63
	5000	197	3505	138	6830	269	1702	67
	5600	220	3708	146	7430	293	1880	74

* With Load Backrest

Standard Features

1. Turbocharged, 7.6L DL08P industrial engine
2. 4-speed auto-shift transmission
3. Rigid drive axle with oil-cooled disc brakes
4. Pre-cleaner
5. Dual element air cleaner
6. Steering knob
7. All-in-one electric brake and inching pedal
8. LED flood lights
   - CDV180: 4 LED Front Worklights
   - CDV250: 6 LED Front Worklights
9. Combination lights: brake/tail/reverse/turn signals
10. Panoramic rear view mirror
11. Rear view mirrors
12. Reverse alarm
13. Telescoping and tilting steering column
14. Rear grab bar with horn button
15. Easy-to-read analog and digital LCD instrument panels
16. Full suspension seat with heat
17. Full cabin standard on CDV180

Optional Equipment

1. LED weight scale (STD mast only)
2. Siren and microphone
3. Camera
   - 2 Front
   - 1 Rear
4. Rear view camera w/steer angle
5. Strobe light
6. Lights on counterweight (pair)
7. Heater
8. Air conditioner
9. Ground speed control
10. Sound suppression (CDV180S-7 only)
11. Air compressor
12. UL DS rating
13. InfoLink ready
14. Multi-point grease system (Allow extended lead time for CDV180)

Warning Device Options

Audible Alerts

Safety considerations and dangers associated with audible travel alarms include:

- Multiple alarms can cause confusion.
- Workers ignore the alarms 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 vehicle, how it is equipped and the conditions of the operating area. Products and specifications are subject to change without notice.

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 and view our safety section to learn more.

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