



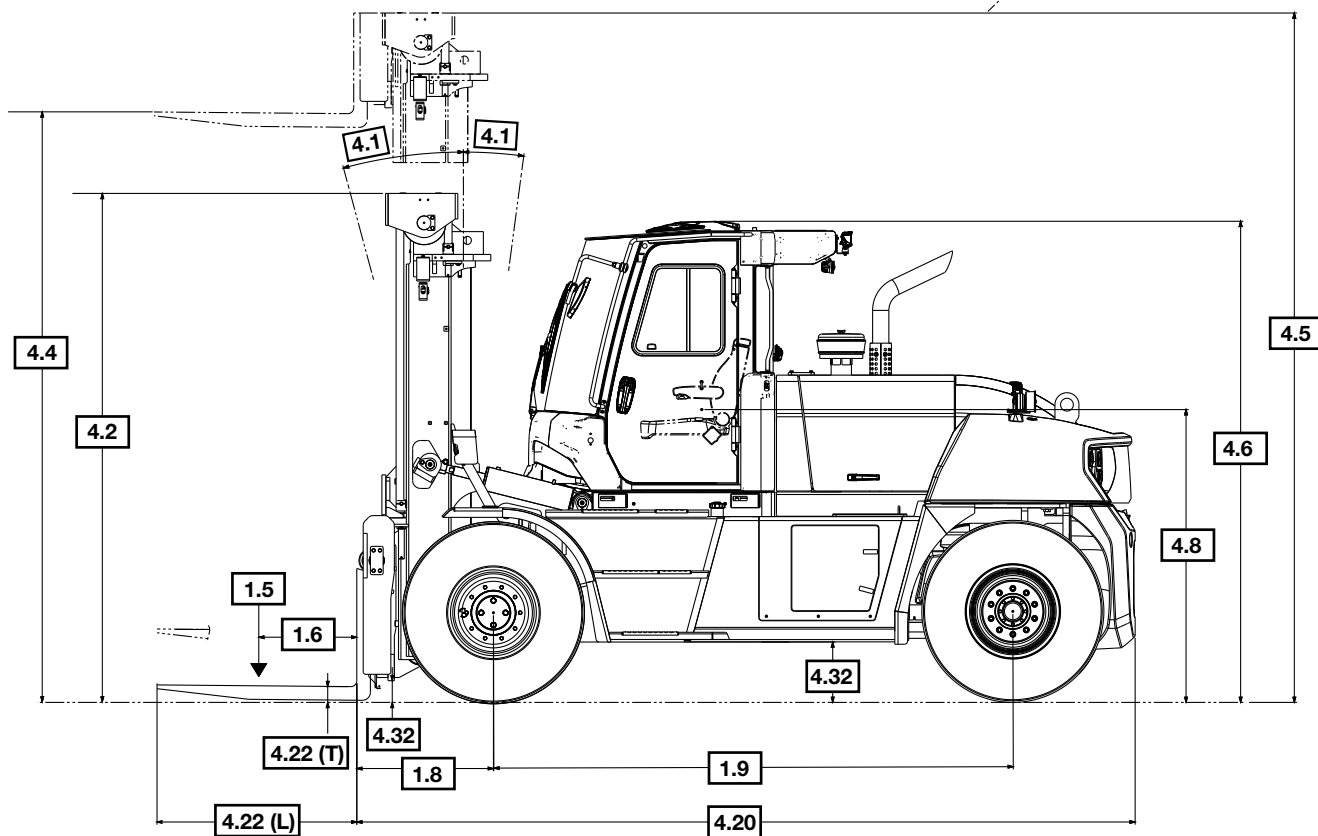
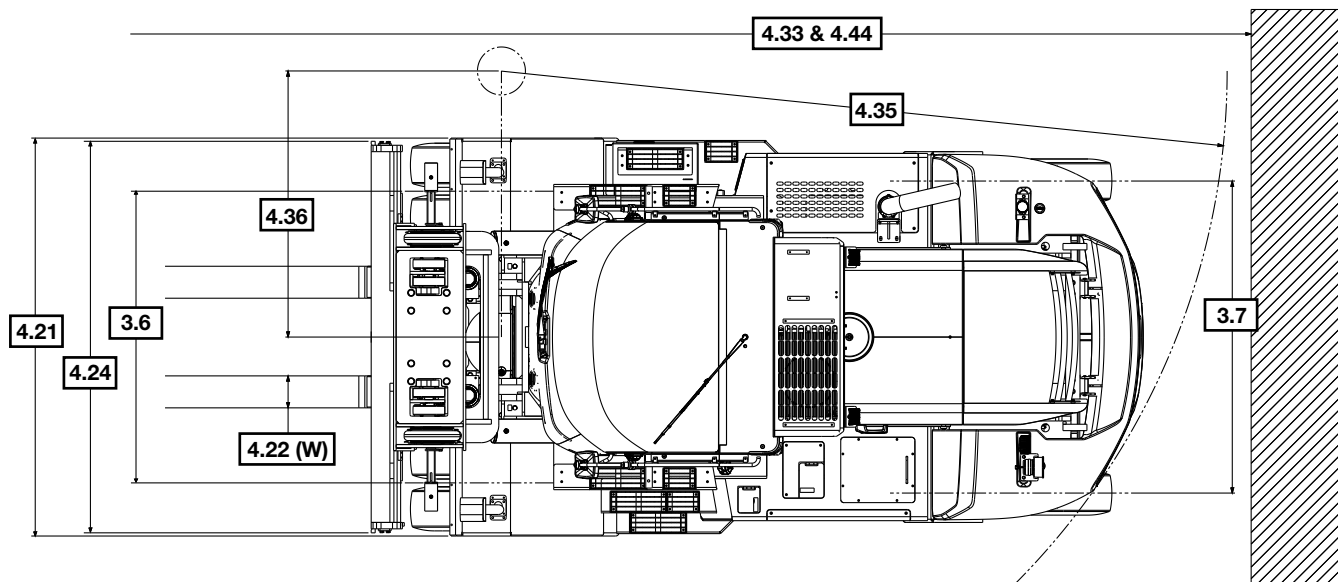
C-D

22,000–36,000 lb. Capacity

IC Pneumatic Tire

Specifications





C-D Series

Specifications

				Imperial	Metric	Imperial	Metric
General	1.2	Model		CD100S-9		CD120S-9	
	1.3	Power Type		Diesel		Diesel	
	1.4	Operator Type		Seated		Seated	
	1.5	Load Capacity	lb kg	22,000	9979	26,000	11793
	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	29.7	755	30.3	770
	1.9	Wheelbase	in mm	118	3000	118	3000
Weight	2.1	Service Weight	lb kg	33,682	15278	35887	16278
	2.2	Axle Load	Loaded, Front/Rear lb kg	48,726/7,001	22102/3176	55,237/7,105	25055/3223
	2.3		Unloaded, Front/Rear lb kg	16,772/16,960	7585/7693	16,744/19,142	7595/8683
Tires	3.1	Tire Type		Pneumatic		Pneumatic	
	3.2	Tire Size	Front	10.00x20-16PR		10.00x20-16PR	
	3.3		Rear	10.00x20-16PR		10.00x20-16PR	
	3.5	Wheels	Number Front / Rear x = driven	x4/2		x4/2	
	3.6	Track Width	Front in mm	68	1724	68	1724
	3.7		Rear in mm	75	1910	75	1910
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	111.4/116	2830/2950	111.4/116	2830/2950
	4.8	Seat Height	in mm	71	1800	71	1800
	4.20	Headlength	Length to Fork Face in mm	176	4490	177	4500
	4.21	Overall Width	in mm	93	2350	93	2350
	4.22	Forks	Thickness x Width x Length in mm	2.75x7.87x53.15	70x200x1350	3.14x7.87x53.15	80x200x1350
	4.23	Fork Carriage	ISO Class Type				
	4.24		Width in mm	89	2270	89	2270
	4.31	Ground Clearance	Loaded, Lowest Point in mm	9.4	240	9.4	240
	4.32		Center of Wheelbase in mm	12.4	315	12.4	315
	4.33	Aisle Width	Pallets 1000X1200, wide in mm	258.3	6560	258.3	6570
	4.34		Pallets 800X1200, long in mm	258.3	6560	258.3	6570
	4.35	Turning Radius	External in mm	168	4255	168	4255
	4.36		Internal in mm	62	1567	62	1567
Performance	5.1	Travel Speed	Loaded/Empty mph km/h	22/25	36/41	22/25	35/40
	5.2	Lift Speed	Loaded/Empty fpm m/s	90/96	0.46/0.49	89/96	0.45/0.49
	5.3	Lowering Speed	Loaded/Empty fpm m/s	85/90	0.43/0.41	85/90	0.43/0.41
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty lb N	25,450/-	113208/-	25,296/-	112522/-
	5.6	Max. Draw Bar Pull	Loaded/Empty lb N	32,198/-	143226/-	31,978/-	142245/-
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty %	51/-		44/-	
	5.8	Max. Gradeability	Loaded/Empty %	70.9/-		66/-	
	5.10	Brakes	Service Type	Mechanical		Mechanical	
	5.10.2		Parking Type	Hydraulic		Hydraulic	
Drivetrain.	7.1	Manufacturer/Model		HDI/DL06V		HDI/DL06V	
	7.2	Power	DIN ISO1585 HP kW	172.6	128.7	172.6	128.7
	7.3	Rated Speed	RPM min-1	2100		2100	
	7.3.1	Torque	@ 1min. ft-lb@rpm N-m@rpm	535.2	725.7	535.2	725.7
	7.4	Number of Cylinders/Displacement	# cm ³	6	5890	6	5890
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah	24		24	
	8.0	Transmission	Type	Auto-shift		Auto-shift	
	8.2.1	Number of Speeds	Forward/Reverse	3/3		3/3	
Other	10.1	Operating Pressure for Attachments	psi bar	2,321	160	2,321	160
	10.2	Oil Volume for Attachments	gpm lpm	39.6	150	39.6	150
	10.4	Fuel Tank Capacity	gal l	51.5	195	51.5	195
	10.7	Sound Level @ Driver's Ear	EN 12053 dB(A)	71		71	

C-D Series

Specifications

			Imperial	Metric	Imperial	Metric
General	1.2	Model	CD140S-9		CD160S-9	
	1.3	Power Type	Diesel		Diesel	
	1.4	Operator Type	Seated		Seated	
	1.5	Load Capacity	lb kg	31,000 14061	36,000 16329	
	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	32.1 815	32.1 815	
	1.9	Wheelbase	in mm	128 3250	128 3250	
Weight	2.1	Service Weight	lb kg	40,345 18300	42,549 19300	
	2.2	Axle Load	Loaded, Front/Rear lb kg	63,634/7,575 28864/3436	70,021/7,802 31761/3539	
	2.3		Unloaded, Front/Rear lb kg	19,332/21,012 8769/9531	19,387/23,161 8794/10506	
Tires	3.1	Tire Type	Pneumatic		Pneumatic	
	3.2	Tire Size	Front	12.00x20-18PR	12.00x20-20PR	
	3.3		Rear	12.00x20-18PR	12.00x20-20PR	
	3.5	Wheels	Number Front / Rear x = driven	x4/2	x4/2	
	3.6	Track Width	Front in mm	76 1925	76 1925	
	3.7		Rear in mm	77 1950	77 1950	
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	116/117 2860/2980	116/117 2860/2980	
	4.8	Seat Height	in mm	72 1830	72 1830	
	4.20	Headlength	Length to Fork Face in mm	190 4830	190 4830	
	4.21	Overall Width	in mm	98 2490	98 2490	
	4.22	Forks	Thickness x Width x Length in mm	3.35x7.87x53.15 85x200x1350	3.35x7.87x53.15 85x200x1350	
	4.23	Fork Carriage	ISO Class Type			
	4.24		Width in mm	96 2450	96 2450	
	4.31	Ground Clearance	Loaded, Lowest Point in mm	9.3 235	9.3 235	
	4.32		Center of Wheelbase in mm	13.6 345	13.6 345	
	4.33	Aisle Width	Pallets 1000X1200, wide in mm	272 6910	272 6910	
	4.34		Pallets 800X1200, long in mm	272 6910	272 6910	
	4.35	Turning Radius	External in mm	179 4545	179 4545	
	4.36		Internal in mm	66 1665	66 1665	
Performance	5.1	Travel Speed	Loaded/Empty mph km/h	19/28 30/35	18/21 29/34	
	5.2	Lift Speed	Loaded/Empty fpm m/s	81/90 0.41/0.46	79/90 0.40/0.46	
	5.3	Lowering Speed	Loaded/Empty fpm m/s	85/90 0.43/0.41	85/90 0.43/0.41	
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty lb N	27,632/- 122917/-	27,478/- 122230/-	
	5.6	Max. Draw Bar Pull	Loaded/Empty lb N	36,610/- 162849/-	36,389/- 161869/-	
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty %	43/- 61/-	38/- 53.8/-	
	5.8	Max. Gradeability	Loaded/Empty %	61/-	53.8/-	
	5.10	Brakes	Service Type	Mechanical	Mechanical	
	5.10.2		Parking Type	Hydraulic	Hydraulic	
	5.10.2					
Drivetrain.	7.1	Manufacturer/Model		HDI/DL06V	HDI/DL06V	
	7.2	Power	DIN ISO1585 HP kW	172.6 128.7	172.6 128.7	
	7.3	Rated Speed	RPM min-1	2100	2100	
	7.3.1	Torque	@ 1min. ft-lb@rpm N-m@rpm	535.2 725.7	535.2 725.7	
	7.4	Number of Cylinders/Displacement	# cm ³	6 5890	6 5890	
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah	24	24	
	8.0	Transmission	Type	Auto-shift	Auto-shift	
	8.2.1	Number of Speeds	Forward/Reverse	3/3	3/3	
Other	10.1	Operating Pressure for Attachments	psi bar	2,321 160	2,321 160	
	10.2	Oil Volume for Attachments	gpm lpm	39.6 150	39.6 150	
	10.4	Fuel Tank Capacity	gal l	62.1 235	62.1 235	
	10.7	Sound Level @ Driver's Ear	EN 12053 dB(A)	71	71	

C-D Series

Specifications

				Imperial	Metric
General	1.2	Model		CDV160S-9	
	1.3	Power Type		Diesel	
	1.4	Operator Type		Seated	
	1.5	Load Capacity	lb kg	36,000	16329
	1.6	Load Center	Fork Face to Load CG in mm	48	1200
	1.8	Load Distance	Center of Wheel to Fork Face in mm	38.8	985
	1.9	Wheelbase	in mm	147.6	3750
Weight	2.1	Service Weight	lb kg	51,859	23523
	2.2	Axle Load	Loaded, Front/Rear lb kg	81,037/6,096	36758/2765
	2.3		Unloaded, Front/Rear lb kg	25,212/26,647	11436/12087
Tires	3.1	Tire Type		Pneumatic	
	3.2	Tire Size	Front	12.00xR20	
	3.3		Rear	12.00xR20	
	3.5	Wheels	Number Front / Rear x = driven	x4/2	
	3.6	Track Width	Front in mm	73	1858
	3.7		Rear in mm	78	1976
Dimensions	4.1	Mast	Tilt, Forward / Backward deg	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	116/117	2860/2980
	4.8	Seat Height	in mm	72	1830
	4.20	Headlength	Length to Fork Face in mm	219	5555
	4.21	Overall Width	in mm	100	2540
	4.22	Forks	Thickness x Width x Length in mm	3.93x9.84x94.49	100x250x2400
	4.23	Fork Carriage	ISO Class Type		
	4.24		Width in mm	100	2540
	4.31	Ground Clearance	Loaded, Lowest Point in mm	7.9	200
	4.32		Center of Wheelbase in mm	13.6	345
	4.33	Aisle Width	Pallets 1000X1200, wide in mm	343	8700
	4.34		Pallets 800X1200, long in mm	343	8700
	4.35	Turning Radius	External in mm	201.4	5115
	4.36		Internal in mm	74	1874
Performance	5.1	Travel Speed	Loaded/Empty mph km/h	21/24	34/39
	5.2	Lift Speed	Loaded/Empty fpm m/s	76/90	0.39/0.46
	5.3	Lowering Speed	Loaded/Empty fpm m/s	85/90	0.43/0.41
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty lb N	27,567/-	122,622/-
	5.6	Max. Draw Bar Pull	Loaded/Empty lb N	30,874/-	137,332/-
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty %	32/-	
	5.8	Max. Gradeability	Loaded/Empty %	38.1/-	
	5.10	Brakes	Service Type	Mechanical	
	5.10.2		Parking Type	Hydraulic	
Drivetrain.	7.1	Manufacturer/Model		HDI/DL06V	
	7.2	Power	DIN ISO1585 HP kW	187.3	139.7
	7.3	Rated Speed	RPM min-1	2100	
	7.3.1	Torque	@ 1min. ft-lb@rpm N-m@rpm	578.6	784.5
	7.4	Number of Cylinders/Displacement	# cm ³	6	5890
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah	24	
	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	2,321	160
	10.2	Oil Volume for Attachments	gpm lpm	39.6	150
	10.4	Fuel Tank Capacity	gal l	76.6	290
	10.7	Sound Level @ Driver's Ear	EN 12053 dB(A)	71	

C-D Series**Specifications****Mast Chart CD100S-9**

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	2500	98	2715	107	3965	156	0	0
	3000	118	2965	117	4465	176	0	0
	3500	138	3215	127	4965	196	0	0
	4000	158	3465	137	5465	216	0	0
	4500	178	3715	147	5965	235	0	0
	5000	197	4165	165	6665	263	0	0
	5300	209	4115	162	6765	267	0	0
	5500	217	4415	174	7165	282	0	0
	6000	236	4665	184	7665	302	0	0
TT	4000	158	2815	111	5505	217	1380	55
	4500	178	2980	118	6000	237	1550	62
	5000	197	3145	124	6500	256	1715	68
	5500	217	3315	131	7005	276	1880	75
	6000	236	3480	137	7500	296	2050	81

* With Load Backrest

Mast Chart CD120S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	2500	98	2715	107	3965	156	0	0
	3000	118	2965	117	4465	176	0	0
	3500	138	3215	127	4965	196	0	0
	4000	158	3465	137	5465	216	0	0
	4500	178	3715	147	5965	235	0	0
	5000	197	4165	165	6665	263	0	0
	5300	209	4115	162	6765	267	0	0
	5500	217	4415	174	7165	282	0	0
	6000	236	4665	184	7665	302	0	0
TT	4000	158	2815	111	5505	217	1390	55
	4500	178	2980	118	6000	237	1560	62
	5000	197	3145	124	6500	256	1725	68
	5500	217	3315	131	7005	276	1890	75
	6000	236	3480	137	7500	296	2060	82

* With Load Backrest

Mast Chart CD140S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	3170	125	4670	184	0	0
	3500	138	3420	135	5170	204	0	0
	4000	158	3670	145	5670	224	0	0
	4500	178	3920	155	6170	243	0	0
	5000	197	4370	172	6870	270	0	0
	5500	217	4620	183	7370	290	0	0
	6000	236	4870	192	7870	310	0	0
	6500	256	5120	202	8370	330	0	0
	8000	315	6070	240	10070	398	0	0
	8500	335	6320	250	10570	417	0	0
TT	3700	146	2930	116	5335	210	1380	54
	4000	158	3030	120	5635	222	1480	58
	4500	178	3195	126	6135	242	1645	65
	5000	197	3360	133	6630	261	1815	72
	5500	217	3530	140	7135	281	1980	78
	6000	236	3695	146	7635	301	2145	85

* With Load Backrest

Mast Chart CD160S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	3170	125	4670	184	0	0
	3500	138	3420	135	5170	204	0	0
	4000	158	3670	145	5670	224	0	0
	4500	178	3920	155	6170	243	0	0
	5000	197	4370	172	6870	270	0	0
	5500	217	4620	183	7370	290	0	0
	6000	236	4870	192	7870	310	0	0
	6500	256	5120	202	8370	330	0	0
	8000	315	6070	240	10070	398	0	0
	8500	335	6320	250	10570	417	0	0
TT	3700	146	2930	116	5335	210	1380	54
	4000	158	3030	120	5635	222	1480	58
	4500	178	3195	126	6135	242	1645	65
	5000	197	3360	133	6630	261	1815	72
	5500	217	3530	140	7135	281	1980	78
	6000	236	3695	146	7635	301	2145	85

* With Load Backrest

Mast Chart CDV160S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	3245	128	4715	186	0	0
	3500	138	3495	138	5215	206	0	0
	4000	158	3745	148	5715	225	0	0
	4500	178	3995	158	6215	245	0	0
	5000	197	4245	168	6715	265	0	0
	6000	236	4745	187	7715	304	0	0
TT	4500	178	2940	116	5930	234	1550	62
	5000	197	3110	123	6440	254	1720	68
	6000	236	3440	136	7430	293	2050	81

* With Load Backrest

Standard Features

1. Doosan DL06P 6.0 Liter Turbo diesel engine
2. 3-speed autoshift transmission
3. Ground speed control
4. Oil-cooled disc brakes
5. Rugged steer axle with large king pins and tapered roller bearings
6. Direction lever function
7. Operator Presence System (OPS)
8. Anti-cinching orange seat belt
9. Autoshift controller
10. Emergency switch
11. Two large rear view mirrors
12. Combination lamps
13. Back-up alarm
14. Weight scale
15. Ergonomic pedals for accelerator, brake and inching
16. All-in-one electronic brake and inching pedal
17. Rear grab bar (with horn)
18. Telescopic steering column
19. Integrated instrument panel
20. Heated suspension seat
21. Steering knob
22. Waterproof connectors
23. Dual element air cleaner
24. Pre-cleaner
25. Rigid driveaxle (with OCDB)
26. Emission regulation (Tier 4 Final)
27. UL Certification
28. Tilting operator cab (Maintenance access)
29. Two front and two rear LED worklights

Optional Equipment

1. Engine block heater
2. Public announcement (PA) system
3. Hard cabin
4. Air compressor
5. Light options
 - Strobe light (amber or red)
 - Two additional mast lights
 - Two additional rear work lights
6. Front and rear camera options
7. UL DS Rating
8. Lifting eyes
9. Top roof cover
10. Reversible radiator fan (cleans debris from radiator)
11. InfoLink ready
12. Hydraulic accumulator

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.



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SF20906 Rev. 03-25