

CROWN

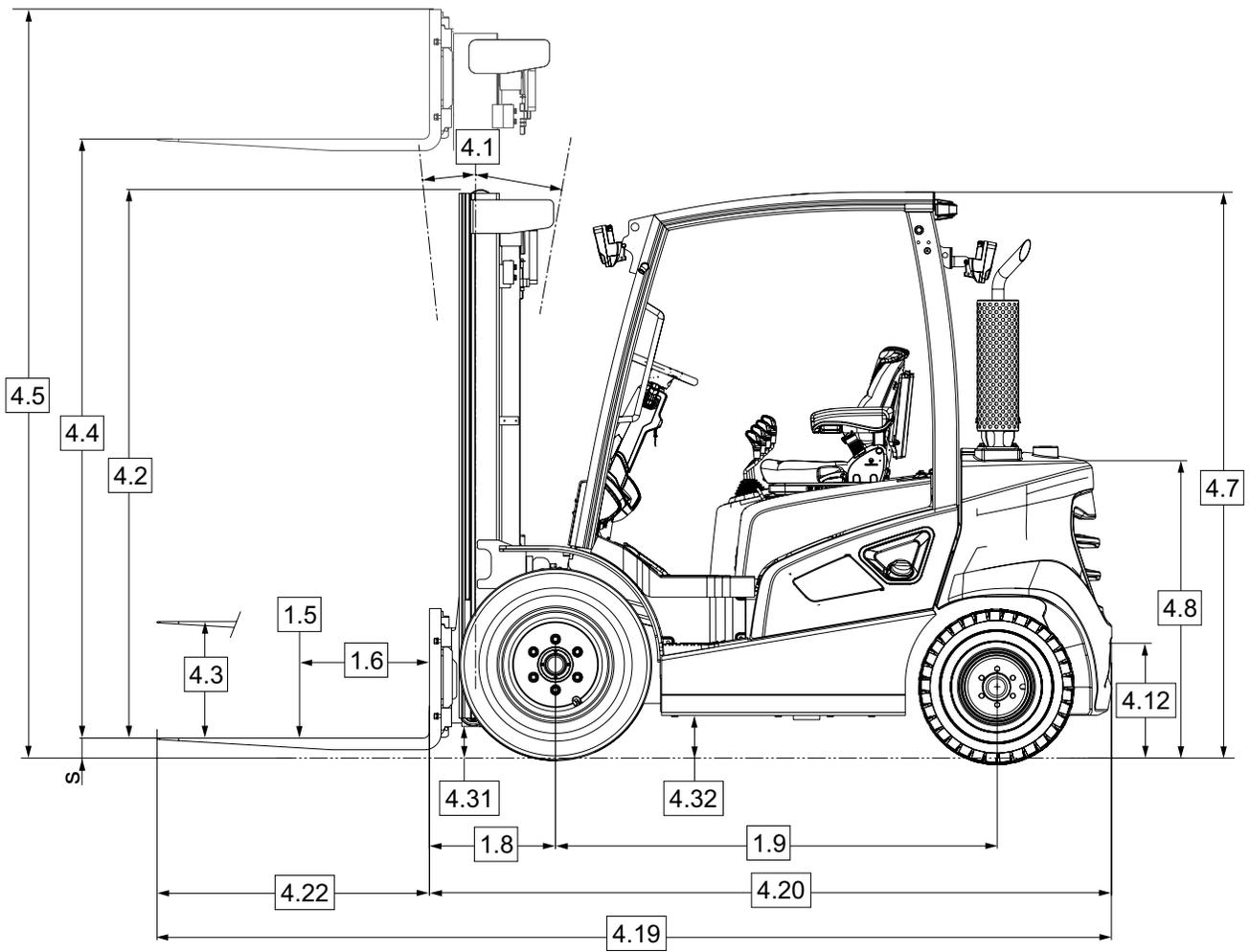
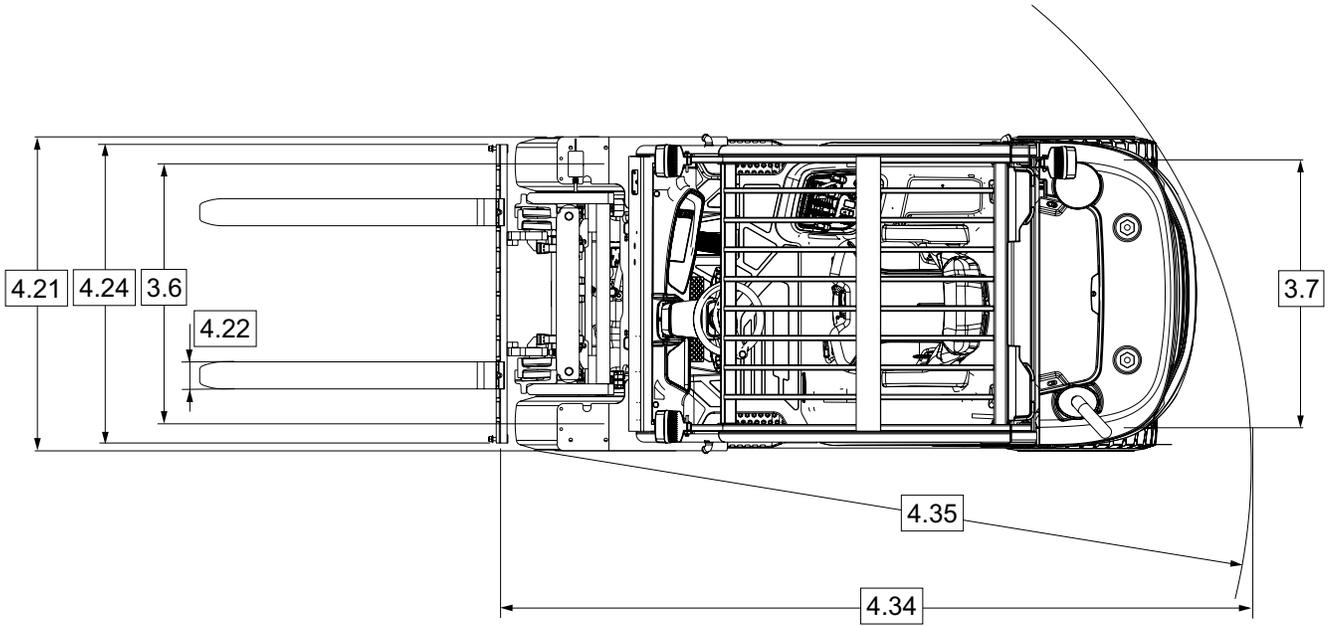
C-D

4,000-7,000 lb Capacity
Diesel Pneumatic Tire

Specifications



CD25S-9



C-D Series

Specifications

			Imperial	Metric	Imperial	Metric	Imperial	Metric		
General	1.2	Model	CD20S-9		CD25S-9		CD30S-9			
	1.3	Power Type	Diesel							
	1.4	Operator Type	Seated							
	1.5	Load Capacity	lb kg	4,000	2000	5,000	2500	6,000	3000	
	1.6	Load Center	Fork Face to Load CG	in mm	24	500	24	500	24	500
	1.8	Load Distance	Center of Wheel to Fork Face	in mm	18.9	480	18.9	480	19.1	485
	1.9	Wheelbase		in mm	66.9	1700	66.9	1700	66.9	1700
Weight	2.1	Service Weight	lb kg	8,444	3830	8,885	4030	9,987	4530	
	2.2	Axle Load	Loaded, Front/Rear	lb kg	10,972 / 1,881	4977 / 853	12,619 / 1,777	5724 / 806	14,370 / 2,231	6518 / 1012
	2.3		Unloaded, Front/Rear	lb kg	4,023 / 4,420	1825 / 2005	3,924 / 4,960	1780 / 2250	3,924 / 6,063	1780 / 2750
Tires	3.1	Tire Type	Pneumatic							
	3.2	Tire Size	Front		7.00x15-12		7.00x15-12		28x9x15-12	
	3.3		Rear		6.50x10-10		6.50x10-10		6.50x10-10	
	3.5	Wheels	Number Front / Rear	x = driven	2X / 2					
	3.6	Track Width	Front	in mm	38.4	975	38.4	975	38.7	982
	3.7		Rear	in mm	39.0	990	39.0	990	39.0	990
	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	85.9	2183	85.9	2183	85.9	2183	
4.8	Seat Height		in mm	40.4	1026	40.4	1026	40.4	1026	
4.20	Headlength	Length to Fork Face	in mm	101.3	2574	103.3	2625	107.5	2730	
4.21	Overall Width		in mm	46.1	1170	46.1	1170	47.1	1197	
4.22	Forks	Thickness x Width x Length	in mm	1.6-2 x 4 x 39-71	n/a	1.6-2 x 4 x 39-71	n/a	1.8-2 x 5 x 41-94	n/a	
4.23	Fork Carriage	ISO Class	Type	II		III				
4.24		Width	in mm	43-57	n/a	43-57	n/a	44-57	n/a	
4.31	Ground Clearance	Loaded, Lowest Point	in mm	4.53	115	4.53	115	4.13	105	
4.32		Center of Wheelbase	in mm	5.63	143	5.63	143	5.63	143	
4.34.1	Working Aisle Width for Pallets	L = 48" x W = 40"	in mm	157.6	4003	159.2	4044	162.7	4133	
4.34.2			in mm							
4.35	Turning Radius	External (Wa)	in mm	87.8	2230	89.4	2270	92.7	2355	
4.36		Internal	in mm	25.2	640	25.2	640	25.3	641.5	
Performance	5.1	Travel Speed	Loaded/Empty	mph km/h	12.5 / 13	20 / 21	12.5 / 13	20 / 21	11.7 / 12.5	19 / 20
	5.2	Lift Speed	Loaded/Empty	fpm m/s	118.7 / 126.8	0.61 / 0.65	116.8 / 126.8	0.60 / 0.65	115.1 / 126.8	0.59 / 0.65
	5.3	Lowering Speed	Loaded/Empty	fpm m/s	99.5 / 87.8	0.51 / 0.45	99.5 / 87.8	0.51 / 0.45	99.5 / 87.8	0.51 / 0.45
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty	lb N	3,997 / 3,934	17780 / 17500	3,995 / 3,965	17770 / 17640	4,152 / 4,064	18470 / 18080
	5.6	Max. Draw Bar Pull	Loaded/Empty	lb N	4,465 / 4,361	19860 / 19400	4,474 / 4,406	19900 / 19600	4,683 / 4,534	20830 / 20170
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty	%	33.6 / 55.2		28.7 / 49.3		25.7 / 44.1	
	5.8	Max. Gradeability	Loaded/Empty	%	38.1 / 63.5		32.5 / 52.5		29.3 / 50.5	
	5.10	Brakes	Service	Type	Foot / Oil Cooled Disc					
5.10.2	Parking		Type	Switch / Electronic Hydraulic Actuated						
Drivetrain	7.1	Manufacturer/Model	Engine	HDI DM02						
	7.2	Power	DIN ISO1585	HP kW	62	46.2	62	46.2	62	46.2
	7.3	Rated Speed	RPM	min-1	2,200					
	7.3.1	Torque	@ 1min.	ft-lb@rpm N-m@rpm	203.5	276 @ 1500	203.5	276 @ 1500	203.5	276 @ 1500
	7.4	Number of Cylinders/Displacement	# / L # / cm ³		4 / 2.4	4 / 2392	4 / 2.4	4 / 2392	4 / 2.4	4 / 2392
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour	V Ah	12 / 85					
	8.0	Transmission		Type	Powershift (Torque Converter)					
8.2.1	Number of Speeds	Forward/Reverse		1 / 1						
Other	10.1	Operating Pressure for Attachments	psi bar	2,262.5	156	2,262.5	156	2,262.5	156	
	10.2	Oil Volume for Attachments	gpm lpm	20.2	76.5	20.2	76.5	20.2	76.5	
	10.4	Fuel Tank Capacity	gal l	15.3	58	15.3	58	15.3	58	
	10.7	Sound Level @ Driver's Ear	EN 12053	dB(A)	75					

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.

C-D Series

Specifications

				Imperial	Metric	Imperial	Metric	
General	1.2	Model		CD33S-9		CD35S-9		
	1.3	Power Type		Diesel				
	1.4	Operator Type		Seated				
	1.5	Load Capacity	lb kg	6,500	3250	7,000	3500	
	1.6	Load Center	Fork Face to Load CG	in mm	24	500	24	500
	1.8	Load Distance	Center of Wheel to Fork Face	in mm	19.1	485	19.5	495
	1.9	Wheelbase		in mm	66.9	1700	66.9	1700
Weight	2.1	Service Weight		lb kg	10,174	4615	10,406	4720
	2.2	Axle Load	Loaded, Front/Rear	lb kg	15,194 / 2,145		16,098 / 2,024	7302 / 918
	2.3		Unloaded, Front/Rear	lb kg	3,880 / 6,294	1760 / 2855	3,869 / 6,537	1755 / 2965
Tires	3.1	Tire Type		Pneumatic				
	3.2	Tire Size	Front		28x9x15-12		250x15-18	
	3.3		Rear		6.5x10-12		6.5x10-12	
	3.5	Wheels	Number Front / Rear	x = driven	2X / 2			
	3.6	Track Width	Front	in mm	38.7	982	40.4	1026
	3.7		Rear	in mm	39	990	39	990
	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	85.9	2183	85.9	2183
4.8		Seat Height		in mm	40.4	1026	40.4	1026
4.20		Headlength	Length to Fork Face	in mm	108.2	2749	109.4	2779
4.21		Overall Width		in mm	47.1	1197	48.2	1255
4.22		Forks	Thickness x Width x Length	in mm	1.8-2 x 5 x 41-94	n/a	1.8-2 x 5 x 41-94	n/a
4.23		Fork Carriage	ISO Class	Type	III A		III A	
4.24			Width	in mm	44-57	n/a	44-57	n/a
4.31		Ground Clearance	Loaded, Lowest Point	in mm	4.1	105	4.1	105
4.32			Center of Wheelbase	in mm	5.6	143	5.6	143
4.34.1		Working Aisle Width for Pallets	L = 48" x W = 40"	in mm	163.3	4148	164.5	4178
4.34.2				in mm				
4.35		Turning Radius	External (Wa)	in mm	93.3	2370	94.1	2390
4.36	Internal		in mm	25.3	2370	25.7	652.5	
Performance	5.1	Travel Speed	Loaded/Empty	mph km/h	11.7 / 12.5	19 / 20	12.5 / 13	20 / 21
	5.2	Lift Speed	Loaded/Empty	fpm m/s	99.5 / 109.2	0.51 / 0.56	99.5 / 109.2	0.51 / 0.56
	5.3	Lowering Speed	Loaded/Empty	fpm m/s	99.5 / 87.8	0.51 / 0.45	99.5 / 87.8	0.51 / 0.45
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty	lb N	4,127 / 4,069	18360 / 18100	3,907 / 3,837	17380 / 17070
	5.6	Max. Draw Bar Pull	Loaded/Empty	lb N	4,658 / 4,541	20720 / 20200	4,386 / 4,258	19510 / 18940
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty	%	24.1 / 42.2		22.3 / 40.4	
	5.8	Max. Gradeability	Loaded/Empty	%	27.4 / 48.1		25.2 / 45.7	
	5.10	Brakes	Service	Type	Foot / Oil Cooled Disc			
5.10.2	Parking		Type	Switch / Electronic Hydraulic Actuated				
Drivetrain	7.1	Manufacturer/Model	Engine	HDI DM02				
	7.2	Power	DIN ISO1585	HP kW	62	46.2	62	46.2
	7.3	Rated Speed	RPM	min-1	2,200			
	7.3.1	Torque	@ 1min.	ft-lb@rpm N-m@rpm	203.5	276 @ 1500	203.5	276 @ 1500
	7.4	Number of Cylinders/Displacement		³ # / L # / cm	4 / 2.4	4 / 2392	4 / 2.4	4 / 2392
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour	V Ah	12 / 85			
	8.0	Transmission		Type	Powershift (Torque Converter)			
8.2.1	Number of Speeds	Forward/Reverse		1 / 1				
Other	10.1	Operating Pressure for Attachments		psi bar	2,262.5	156	2,262.5	156
	10.2	Oil Volume for Attachments		gpm lpm	20.2	76.5	20.2	76.5
	10.4	Fuel Tank Capacity		gal l	15.3	58	15.3	58
	10.7	Sound Level @ Driver's Ear	EN 12053	dB(A)	75			

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.

Mast Chart C-D 20 S-9

Mast Type	Maximum Fork Height h3		Mast Collapsed Height h1		Mast Extended Height h4 With Load Backrest		Mast Free Lift Height h2 With Load Backrest	
	in	mm	in	mm	in	mm	in	mm
TL (STD)	80	2030	63	1590	129	3280	6	147
	116	2950	81	2050	165	4200	6	147
	127	3230	86	2190	176	4480	6	147
	138	3500	96	2440	187	4755	6	147
	150	3800	102	2590	199	5055	6	147
	156	3950	105	2665	205	5205	6	147
	171	4350	113	2865	221	5605	6	147
	177	4500	116	2940	227	5755	6	147
	195	4960	125	3165	244	6205	6	147
TF (FF)	116	2950	81	2050	165	4200	144	3670
	127	3230	86	2190	176	4480	39	985
	142	3600	96	2440	191	4855	49	1235
TT (FFT)	116	2950	63	1600	166	4210	145	3680
	154	3900	75	1915	203	5155	28	710
	167	4240	80	2025	216	5485	32	820
	169	4290	81	2050	219	5560	33	845
	186	4730	86	2190	235	5980	39	985
	189	4805	87	2215	238	6055	40	1010
	194	4930	90	2290	243	6180	43	1085
	201	5110	94	2390	250	6355	47	1185
	204	5170	93	2360	253	6420	45	1155
219	5560	100	2540	268	6805	53	1335	
237	6010	106	2690	286	7255	58	1485	
Quad	240	6100	86	2190	290	7355	39	985
	261	6640	94	2390	311	7895	47	1185
	277	7035	98	2490	327	8295	51	1285
	313	7945	111	2820	362	9200	64	1615
	325	8250	115	2930	374	9500	68	1725

Mast Chart C-D 25 S-9

Mast Type	Maximum Fork Height h3		Mast Collapsed Height h1		Mast Extended Height h4 With Load Backrest		Mast Free Lift Height h2 With Load Backrest	
	in	mm	in	mm	in	mm	in	mm
TL (STD)	80	2030	63	1590	129	3280	6	147
	116	2950	81	2050	165	4200	6	147
	127	3230	86	2190	176	4480	6	147
	138	3500	96	2440	187	4755	6	147
	150	3800	102	2590	199	5055	6	147
	156	3950	105	2665	205	5205	6	147
	171	4350	113	2865	221	5605	6	147
	177	4500	116	2940	227	5755	6	147
	195	4960	125	3165	244	6205	6	147
TF (FF)	116	2950	81	2050	144	3670	33	845
	127	3230	86	2190	176	4480	39	985
	142	3600	96	2440	191	4855	49	1235
TT (FFT)	116	2950	63	1600	166	4210	16	395
	154	3900	75	1915	203	5155	28	710
	167	4240	80	2025	216	5485	32	820
	169	4290	81	2050	219	5560	33	845
	186	4730	86	2190	235	5980	39	985
	189	4805	87	2215	238	6055	40	1010
	194	4930	90	2290	243	6180	43	1085
	201	5110	94	2390	250	6355	47	1185
	204	5170	93	2360	253	6420	45	1155
219	5560	100	2540	268	6805	53	1335	
237	6010	106	2690	286	7255	58	1485	
Quad	240	6100	86	2190	290	7355	39	985
	261	6640	94	2390	311	7895	47	1185
	277	7035	98	2490	327	8295	51	1285
	313	7945	111	2820	362	9200	64	1615
	325	8250	115	2930	374	9500	68	1725

Note: Mast Specifications and Rated Capacities are based on a standard chassis with pneumatic tire and without side shifter.

Mast Chart C-D 30 S-9

Mast Type	Maximum Fork Height h3		Mast Collapsed Height h1		Mast Extended Height h4 With Load Backrest		Mast Free Lift Height h2 With Load Backrest	
	in	mm	in	mm	in	mm	in	mm
TL (STD)	80	2030	62	1580	129	3280	6	152
	116	2950	80	2040	165	4200	6	152
	127	3230	86	2180	176	4480	6	152
	138	3500	96	2430	187	4755	6	152
	150	3800	102	2580	199	5055	6	152
	156	3950	105	2655	205	5205	6	152
	171	4350	112	2855	221	5605	6	152
	177	4500	115	2930	227	5755	6	152
	195	4960	124	3155	244	6205	6	152
TF (FF)	116	2950	80	2040	165	4200	33	840
	127	3230	86	2180	176	4480	39	980
	142	3600	96	2430	191	4855	48	1230
TT (FFT)	154	3900	75	1905	203	5155	28	705
	167	4240	79	2015	216	5485	32	815
	169	4290	80	2040	219	5560	33	840
	186	4730	86	2180	235	5980	39	980
	189	4805	87	2205	238	6055	40	1005
	194	4930	90	2280	243	6180	43	1080
	201	5110	94	2380	250	6355	46	1180
	204	5170	93	2350	253	6420	45	1150
	219	5560	100	2530	268	6805	52	1330
	237	6010	106	2680	286	7255	58	1480

Mast Chart C-D 33 S-9

Mast Type	Maximum Fork Height h3		Mast Collapsed Height h1		Mast Extended Height h4 With Load Backrest		Mast Free Lift Height h2 With Load Backrest	
	in	mm	in	mm	in	mm	in	mm
TL (STD)	80	2030	62	1580	129	3280	6	152
	116	2950	80	2040	165	4200	6	152
	127	3230	86	2180	176	4480	6	152
	138	3500	96	2430	187	4755	6	152
	150	3800	102	2580	199	5055	6	152
	156	3950	105	2655	205	5205	6	152
	171	4350	112	2855	221	5605	6	152
	177	4500	115	2930	227	5755	6	152
	195	4960	124	3155	244	6205	6	152
TF (FF)	116	2950	80	2040	165	4200	33	840
	127	3230	86	2180	176	4480	39	980
	142	3600	96	2430	191	4855	48	1,230
TT (FFT)	154	3900	75	1905	203	5155	28	705
	167	4240	79	2015	216	5485	32	815
	169	4290	80	2040	219	5560	33	840
	186	4730	86	2180	235	5980	39	980
	189	4805	87	2205	238	6055	40	1005
	194	4930	90	2280	243	6180	43	1080
	201	5110	94	2380	250	6355	46	1180
	204	5170	93	2350	253	6420	45	1150
	219	5560	100	2530	268	6805	52	1330
	237	6010	106	2680	286	7255	58	1480

Note: Mast Specifications and Rated Capacities are based on a standard chassis with pneumatic tire and without side shifter.

Mast Chart C-D 35 S-9

Mast Type	Maximum Fork Height h3		Mast Collapsed Height h1		Mast Extended Height h4 With Load Backrest		Mast Free Lift Height h2 With Load Backrest	
	in	mm	in	mm	in	mm	in	mm
TL (STD)	71	1800	62	1580	120	3050	6	152
	93	2350	73	1855	142	3600	6	152
	107	2720	80	2040	156	3970	6	152
	118	3000	86	2180	167	4250	6	152
	138	3495	96	2430	187	4750	6	152
	144	3655	102	2580	193	4905	6	152
	150	3805	105	2655	199	5055	6	152
	166	4205	112	2855	215	5455	6	152
	189	4805	124	3155	238	6055	6	152
TF (FF)	93	2350	73	1855	130	3295	26	655
	107	2720	80	2040	156	3970	33	840
	118	3000	86	2180	167	4250	39	980
	138	3495	96	2430	187	4745	48	1230
TT (FFT)	140	3555	75	1905	177	4500	28	705
	156	3960	80	2040	205	5210	33	840
	172	4380	86	2180	222	5630	39	980
	180	4580	90	2280	230	5830	43	1080
	190	4820	93	2350	239	6070	45	1150
	205	5205	100	2530	254	6455	52	1330
	223	5655	106	2680	272	6905	58	1480
	242	6150	115	2920	291	7400	68	1720

Note: Mast Specifications and Rated Capacities are based on a standard chassis with pneumatic tire and without side shifter.

Standard Features

1. HDI 2.4 Liter Turbo Diesel (Tier IV)
2. Heated Secondary Fuel Filter
3. Single Speed Transmission Fwd / Rev with Auto Shift Control
4. Oil Cooled Disc Brakes
5. Electric Switch Park Brake Application
6. Fuel Gauge
7. Vented Side Panels
8. Combination Lights (Brake, Turn, Tail, Reverse lights)
9. Air Intake Pre-Cleaner
10. Vertical Exhaust Muffler
11. Ground Speed Control
12. 12 Volt Aux and USB Ports
13. 3 Section, 3 Lever Hydraulic Valve
14. Pneumatic Air Filled Tires
15. Operator Design Features
 - Clear View Overhead Guard and Mast
 - Static Seat or Suspension Seat Choice
 - 5" Color Display
 - Steering Knob
 - Large Rear View Mirrors
 - Rear Grab Bar with Horn Button
 - Stability System

Optional Equipment

1. Operator Design Options
 - Seat Belt Interlock
 - Premium Grammer Suspension Seats
 - Operator Compartment Light
 - Tilt Position Assist
 - Operator Fans
 - Modular Cab Covers
 - Hard Cabins with Heat
2. Attachments
 - Hang On Sideshifters
 - Integral Sideshifters
 - Integral Sideshifting Fork Positioners
 - 4th Lever Switch
3. Application Options
 - Drive in Rack Overhead Guard
 - Taller and Lower Overhead guards
 - Various Light Packages
 - Back Up Alarms
 - Hydraulic Accumulators
 - Belly Plates
 - Engine Block Heaters
 - Lifting Eyes
 - Tire Mud Guards
 - Radiator Screens
 - Open Core Radiator
 - Weight Scales
 - Dual Drive Tires
 - Non-Marking Tires
 - Soft Solid Tires

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

Full line of Attachments.

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.



crown.com

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

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