



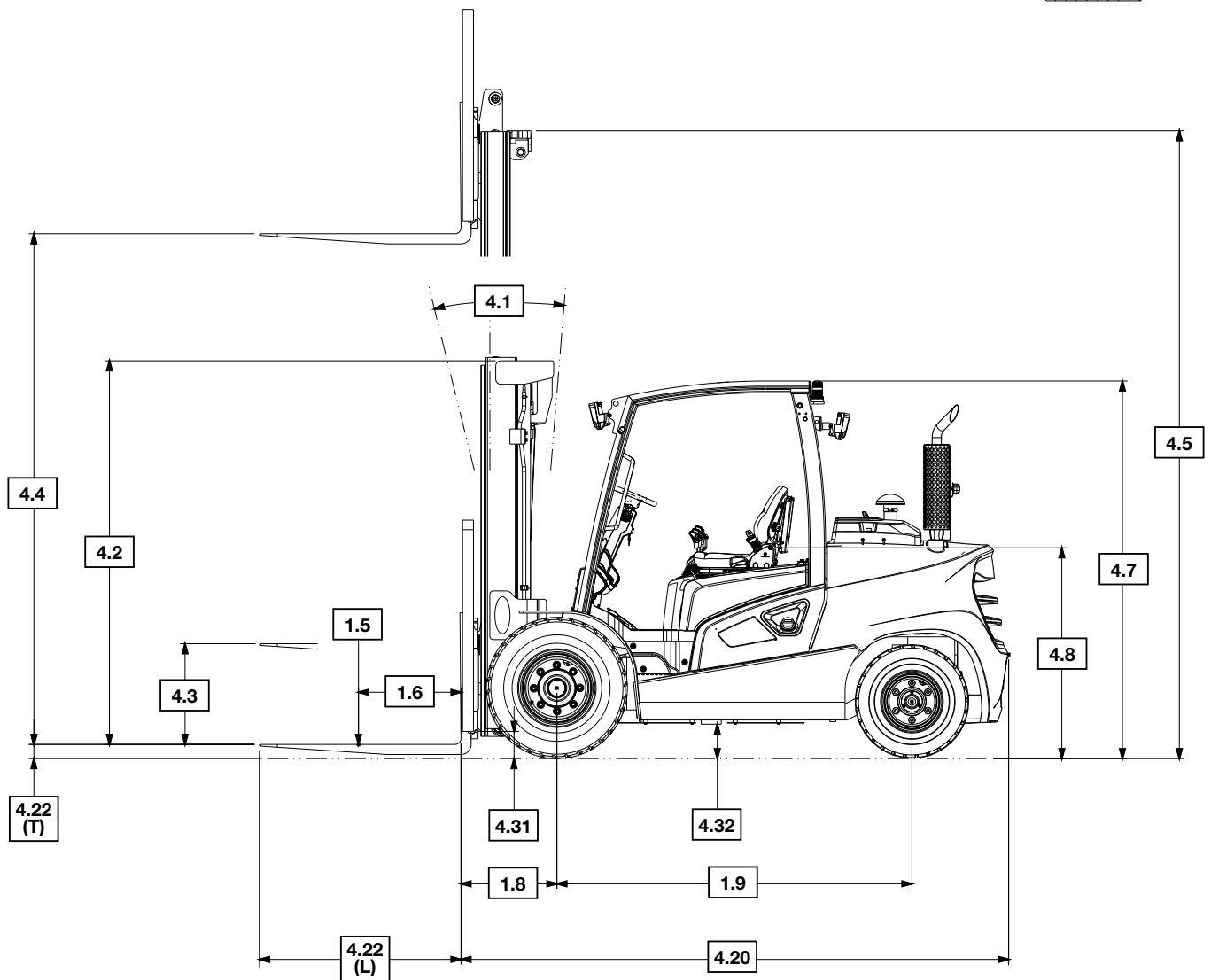
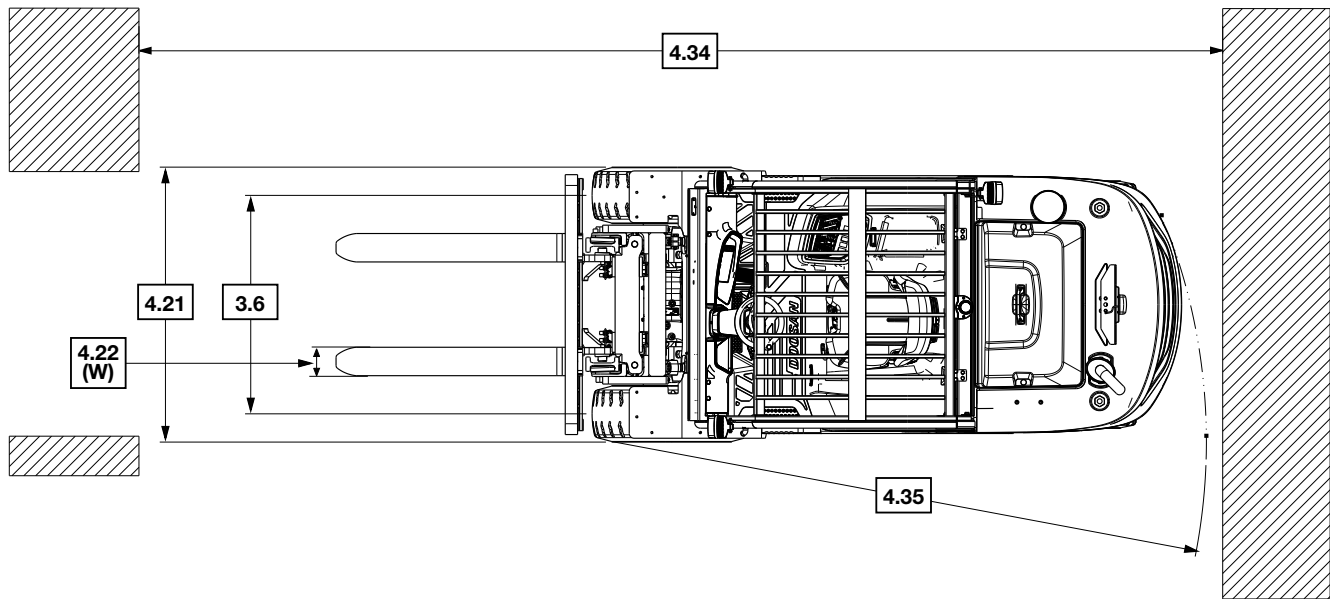
C-D

8,000-12,000 lb Capacity
IC Pneumatic Tire

Specifications



CD35S-9



C-D Series

Specifications

						Imperial	Metric	Imperial	Metric
						CD35S-9		CD40S-9	
General	1.2	Model							
	1.3	Power Type				Diesel			
	1.4	Operator Type				Seated			
	1.5	Load Capacity		lb kg		8,000	3500	9,000	4000
	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		22	560	22	560
	1.9	Wheelbase		in mm		79.5	2015	79.5	2015
Weight	2.1	Service Weight		lb kg		12,775	5795	13,450	6100
	2.2	Axle Load	Loaded, Front/Rear	lb kg		18,495/1,995	8390/905	2,095/2,170	9115/985
	2.3		Unloaded, Front/Rear	lb kg		4,970/7,805	2255/3540	5,345/8,105	2425/3675
Tires	3.1	Tire Type				Pneumatic			
	3.2	Tire Size	Front			8.25x15-14PR/7.50x16-12PR		300x15-18PR/7.50x16-12PR	
	3.3		Rear			7.00x12-12PR			
	3.5	Wheels	Number Front / Rear	x = driven		x 2 / 2			
	3.6	Track Width	Front	in mm		44.9/50.8	1140/1290	45.5/50.8	1155/1290
	3.7		Rear	in mm		43.9	1115	43.9	1115
	3.7								
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		87.6	2225	87.8	2230
	4.8	Seat Height		in mm		48	1220	48.2	1225
	4.20	Headlength	Length to Fork Face	in mm		116.3	2995	118.1	3000
	4.21	Overall Width		in mm		53.9	1370	57.3	1455
	4.22	Forks	Thickness x Width x Length	in mm		41.3x5.9x2.0	1050x150x50	41.3x5.9x2.0	1050x150x50
	4.23	Fork Carriage	ISO Class	Type		III		III	
	4.24		Width	in mm		49.2	1250	49.2	1250
	4.31	Ground Clearance	Loaded, Lowest Point	in mm		5.9	150	6.3	160
	4.32		Center of Wheelbase	in mm		8.1	205	8.1	205
	4.34.1	Working Aisle Width	40in x 48in Cross-ways	in mm		175.0	4445	176.8	4488
	4.34.2	(Right Angle Stack)	48in x 40in Cross-ways	in mm		181.3	4605	183.0	4648
	4.35	Turning Radius	External	in mm		108.5	2755	110.2	2800
	4.36		Internal	in mm		31.7	805	31.7	805
Performance	5.1	Travel Speed	Loaded/Empty	mph km/h		15/16	24/26	15/16	24/26
	5.2	Lift Speed	Loaded/Empty	fpm m/s		109/117	0.56/0.60	107/117	0.55/0.60
	5.3	Lowering Speed	Loaded/Empty	fpm m/s		88.5/98.4	0.45/0.50	88.4/98.4	0.45/0.50
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty	lb kg		7,660/-	34075/-	7,540/-	33540/-
	5.6	Max. Draw Bar Pull	Loaded/Empty	lb kg		8,430/-	37498/-	8,295/-	36894/-
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty	%		38.5/-		34.5/-	
	5.8	Max. Gradeability	Loaded/Empty	%		43.0/-		38.5/-	
	5.10	Brakes	Service	Type		Foot/Hydraulic			
	5.10.2		Parking	Type		Electronic			
	5.10.2								
Drivetrain	7.1	Manufacturer/Model				DI/DM03V			
	7.2	Power	DIN ISO1585	HP HP/kW		74.0	55.4	74.0	55.4
	7.3	Rated Speed	RPM	min-1		2,300			
	7.3.1	Torque	@ 1min.	ft-lb@rpm N-m@rpm		265.4 @ 1,400	360 @ 1400	265.4 @ 1,400	360 @ 1400
	7.4	Number of Cylinders/Displacement		# cm³		4	3409	4	3409
	7.10	Battery Voltage/Nominal Capacity	Voltage/Ampere hour	V Ah		12	100	12	100
	8.0	Transmission		Type		Auto-shift			
	8.2.1	Number of Speeds	Forward/Reverse			2/2			
Other	10.1	Operating Pressure for Attachments		psi bar		2,320.5	160	2,320.5	160
	10.2	Oil Volume for Attachments		gpm lpm		29.1	110	29.1	110
	10.4	Fuel Tank Capacity		gal l		27.7	105	27.7	105
	10.7	Sound Level @ Driver's Ear	EN 12053	dB(A)		79			

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	Imperial	Metric
General	1.2	Model		CD45S-9		CD50C-9		CD55C-9	
	1.3	Power Type		Diesel					
	1.4	Operator Type		Seated					
	1.5	Load Capacity	lb kg	10,000	4500	11,000	5,000	12,000	5500
	1.6	Load Center	Fork Face to Load CG in mm	24	600	24	600	24	600
	1.8	Load Distance	Center of Wheel to Fork Face in mm	22	560	22.5	570	22.5	570
	1.9	Wheelbase	in mm	83.3	2115	83.3	2115	83.3	2115
Weight	2.1	Service Weight	lb kg	14,395	6530	15,280	6930	16,095	7300
	2.2	Axle Load	Loaded, Front/Rear lb kg	21,960/2,370	9960/1070	2,3745/2,555	10770/1160	25,495/2,720	11565/1235
	2.3		Unloaded, Front/Rear lb kg	5,800/8,595	2630/3900	5,855/9,524	2655/4275	5,965/10,130	2705/4595
Tires	3.1	Tire Type		Pneumatic					
	3.2	Tire Size	Front	300x15-18PR / 7.50x16-12PR					
	3.3		Rear	7.00x12-12PR		7.00x12-14PR		7.00x12-14PR	
	3.5	Wheels	Number Front / Rear x = driven	x 2 / 2					
	3.6	Track Width	Front in mm	45.5/50.8	1155/1290	45.5 / 50.8	1155 / 1290	45.5 / 50.8	1155 / 1290
	3.7		Rear in mm	43.9	1115	43.9	1115	43.9	1115
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	87.8	2230	87.8	2230	87.8	2230
	4.8	Seat Height	in mm	48.2	1225	48.2	1225	48.2	1225
	4.20	Headlength	Length to Fork Face in mm	128.4	3260	129.9	3300	131.5	3340
	4.21	Overall Width	in mm	53.9	1455	57.3	1455	57.3	1455
	4.22	Forks	Thickness x Width x Length in mm	47.2x5.9x2.0	1200x150x50	47.2 x5.9x2.0	1200x150x50	47.2 x5.9x2.0	1200x150x50
	4.23	Fork Carriage	ISO Class Type	IV		IV		IV	
	4.24		Width in mm	52.4	1330	52.4	1330	52.4	1330
	4.31	Ground Clearance	Loaded, Lowest Point in mm	6.3	160	6.3	160	6.3	160
	4.32		Center of Wheelbase in mm	8.1	205	8.1	205	8.1	205
	4.34.1	Working Aisle Width	40in x 48in Cross-ways in mm	178.7	4539	179.5	4559	180.7	4590
	4.34.2	(Right Angle Stack)	48in x 40in Cross-ways in mm	189.4	4810	190.6	4840	187.0	4750
4.35	Turning Radius	External in mm	112.2	2850	113	2870	114.2	2900	
4.36		Internal in mm	32.3	820	32.3	820	32.3	820	
Performance	5.1	Travel Speed	Loaded/Empty mph km/h	15/16	24/26	15/16	24/26	15/16	24/26
	5.2	Lift Speed	Loaded/Empty fpm m/s	105/117	0.54/0.60	103/117	0.53/0.60	101/117	0.52/0.60
	5.3	Lowering Speed	Loaded/Empty fpm m/s	88.5/98.4	0.45/0.50	88.5/98.4	0.45/0.50	88.5/98.4	0.45/0.50
	5.5	Draw Bar Pull @1mph/1.6kph	Loaded/Empty lb kg	7,545/-	33564/-	7,505/-	33390/-	7,455/-	33170/-
	5.6	Max. Draw Bar Pull	Loaded/Empty lb kg	8,310/-	36970/-	8,275/-	36816/-	8,225/-	36595/-
	5.7	Gradeability @1mph/1.6kph	Loaded/Empty %	31.5/-		28.5/-		26.0/-	
	5.8	Max. Gradeability	Loaded/Empty %	35.0/-		31.5/-		29.0/-	
	5.10	Brakes	Service Type	Foot/Hydraulic					
	5.10.2		Parking Type	Electronic					
	Drivetrain	7.1	Manufacturer/Model		DI/DM03V				
7.2		Power	DIN ISO1585 HP kW	74.0	55.4	74.0	55.4	74.0	55.4
7.3		Rated Speed	RPM min-1	2,300					
7.3.1		Torque	@ 1min. ft-lb@rpm N-m@rpm	265.4 @ 1400	360 @ 1400	265.4 @ 1400	360 @ 1400	265.4 @ 1400	360 @ 1400
7.4		Number of Cylinders/Displacement	# cm³	4	3409	4	3409	4	3409
7.10		Battery Voltage/Nominal Capacity	Voltage/Ampere hour V Ah	12	100	12	100	12	100
8.0		Transmission	Type	Auto-shift					
8.2.1		Number of Speeds	Forward/Reverse	2/2					
Other	10.1	Operating Pressure for Attachments	psi bar	2,320.5	160	2,320.5	160	2,320.5	160
	10.2	Oil Volume for Attachments	gpm lpm	29.1	110	29.1	110	29.1	110
	10.4	Fuel Tank Capacity	gal l	31.4	119	31.4	119	31.4	119
	10.7	Sound Level @ Driver's Ear	EN 12053 dB(A)	79					

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

Mast Chart CD35S-9 & CD40S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	2235	88	4260	168	155	6
	3300	130	2385	94	4560	180	155	6
	3650	144	2560	101	4910	193	155	6
	4000	157	2870	113	5260	207	155	6
	4250	167	2010	119	5510	217	155	6
	4850	191	3460	136	6110	241	155	6
	5250	207	3660	144	6510	256	155	6
TF	3000	118	2215	87	4235	167	1448	57
TT	4000	157	2095	82	5260	207	1321	52
	4250	167	2185	86	5525	218	1422	56
	4500	177	2270	89	5780	228	1524	60
	4700	185	2335	92	5975	235	1575	62
	5150	202	2485	98	5425	253	1727	68
	5600	220	2635	104	6875	271	1880	74
	6050	238	2785	110	7325	288	2007	79
	6500	256	2935	116	7775	306	2184	86
	7000	276	3115	123	8275	326	2362	93

* With Load Backrest

Mast Chart CD45S-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	3000	118	2235	88	4260	168	155	6
	3300	130	2385	94	4560	180	155	6
	3650	144	2560	101	4910	193	155	6
	4000	157	2870	113	5260	207	155	6
	4250	167	2997	118	5510	217	155	6
	4850	191	3460	136	6110	241	155	6
	5250	207	3660	144	6510	256	155	6
TF	3000	118	2200	87	4385	173	1448	57
TT	3700	146	1985	78	5115	201	1143	45
	4000	157	2080	82	5410	213	1245	49
	4250	167	2185	86	5675	223	1346	53
	4500	177	2260	89	5930	233	1422	56
	4700	185	2337	92	6125	241	1499	59
	5150	203	2490	98	6575	259	1651	65
	5600	220	2642	104	7025	277	1803	71
	6050	238	2794	110	7475	294	1956	77
	6500	256	2920	115	7925	312	2083	82

* With Load Backrest

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

C-D Series

Specifications

Mast Chart CD50C-9 & CD55C-9

Mast Type	Maximum Fork Height		Collapsed Height		*Extended Height		*Free Lift	
	mm	in	mm	in	mm	in	mm	in
TL	2750	108	2235	88	4160	164	155	6
	3050	120	2388	94	4460	176	155	6
	3400	134	2565	101	4810	189	155	6
	3750	147	2870	113	5160	203	155	6
	4000	157	2995	118	5410	213	155	6
	4600	181	3445	136	6010	237	155	6
	5000	197	3645	144	6410	252	155	6
	5500	217	3895	153	6910	272	155	6
	5800	228	4045	159	7210	284	155	6
TF	2875	113	2200	87	4260	168	1245	49
TT	3575	141	1985	78	4990	196	1041	41
	3875	152	2080	82	5285	208	1118	44
	4125	162	2184	86	5550	219	1219	48
	4575	180	2337	92	6000	236	1372	54
	5025	197	2489	98	6450	254	1524	60
	5325	210	2570	101	6750	266	1626	64
	5475	215	2642	104	6900	272	1676	66
	5925	233	2770	110	7350	289	1829	72

* With Load Backrest

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

Standard Features

1. Doosan 4 cylinder turbo Diesel engine compliant to current EPA Tier IV standards
2. 2 Speed Powershift transmission with Autoshift feature
3. Cast Iron one piece axle housing
4. Oil-cooled Disc Brakes – Fully enclosed
5. Rugged steer axle with large King Pins and tapered roller bearings
6. Lift and Tilt locking hydraulic valve
7. Carriage Side Thrust rollers
8. Dual Element air cleaner with high air intake
9. Operator design features
 - Wide Spacious floorboard
 - Tilt and Telescopic Steering Column
 - Suspension seat (vinyl or cloth) with high visibility seat belt
 - OSS Operator Sensing System
 - Park brake alarm and seat belt indicator
 - Rear travel handle with horn
 - Low front cowl/dash optimizes site lines
 - Clear view overhead guard and mast design
 - Large Dual Mirrors
 - Front LED Work Lights
 - 5" Color Display
 - Easy to read gauges monitor engine oil pressure, engine coolant, transmission temp, brake oil level and mast interlock
 - Spinner Knob

Optional Equipment

1. Tilt Position Assist (auto-tilt leveling)
2. Adjustable Top Speed Control
3. Hydraulic Lift Circuit Accumulators
4. Pre-Cleaner Air Intake
5. Operator Fans
6. Panoramic Mirror
7. Fuel Sensor Light / Alarm
8. 12 Volt auxiliary supply
9. Fire Extinguisher
10. Combo Lights with Turn signals
11. Overhead guard covers
12. Enclosed Cab Options - With Heat and Air Conditioning
13. Solid Pneumatic (super-elastic) Tires
14. Various Light Packages
15. Static Strap
16. InfoLink® Ready
17. Quick Disconnect Attachment Couplings
18. Lifting Eyes
19. Fuel Cap with Key Lock
20. UL DS rating
21. 4th Function Lock out (for clamping attachments)
22. Vented Side Panels
23. Weight Scales

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 factory 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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