

D7R Series 2 Track-Type Tractor

Bulldozer Specifications

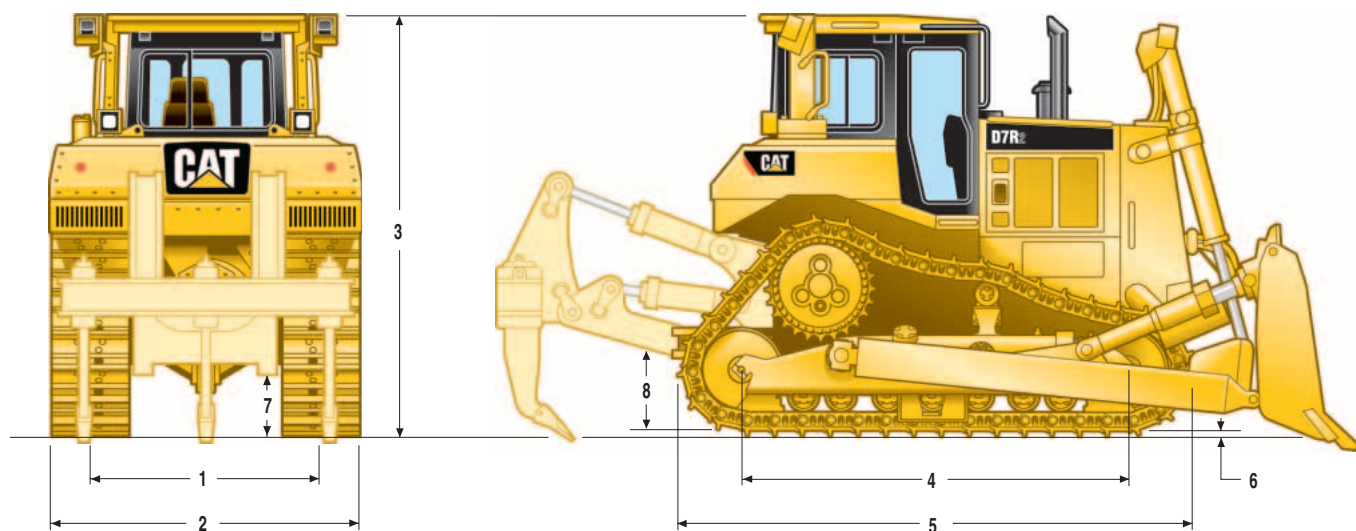
Blade		7S	7SU	7U	7A		7S LGP
					Straight	Angled 25°	
Blade Capacity (SAE J1265)	m ³	5.16	6.86	8.34	3.89	—	5.89
	yd ³	6.75	8.98	10.91	5.08	—	7.70
Width (over end bits)	mm	3904	3693	3988	4503	4120	4545
	ft/in	12'10"	12'1"	13'1"	14'9"	13'6"	14'11"
Height	mm	1363	1524	1553	1111	1111	1343
	ft/in	4'5.7"	5'0"	5'3"	3'7.7"	3'7.7"	4'5"
Digging Depth	mm	527	527	527	669	669	668
	in	20.7"	20.7"	20.7"	26.3"	26.3"	26.3"
Ground Clearance	mm	1145	1145	1145	1115	1115	1153
	in	45"	45"	45"	44"	44"	45"
Maximum Tilt	mm	845	799	861	627	627	686
	in	33.3"	31.4"	33.9"	24.7"	24.7"	27"
Weight (without hyd. controls)	kg	3465	3593	3926	3523	3523	3732
	lb	7640	7923	8657	7768	7768	8229
Total Operating Weight* (with blade)	kg	27 277	27 413	27 731	27 323	27 323	29 500
	lb	60,136	60,436	61,136	60,236	60,236	65,036

* Operating weight includes power shift arrangement, lubricants, coolant, full fuel tank, hydraulic controls, blade tilt cylinder, ROPS canopy, multi shank ripper (one shank), 560 mm (22") shoes for standard, 914 mm (36") shoes for LGP and operator. (Width with C-frame only is 3085 mm (10'1.5") includes C-frame assembly.

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Dimensions

(approximate)



Tractor Dimensions

	Standard		XR		LGP	
1. Track Gauge	1981 mm	78"	1981 mm	78"	2235 mm	88"
2. Width of Tractor						
Over Trunnions	2869 mm	9'5"	2869 mm	9'5"	3371 mm	11'1"
Without Trunnions (std. shoe width)	2540 mm	8'4"	2590 mm	8'6"	3150 mm	10'4"
3. Machine Height from tip of Grouser:						
Stack	3353 mm	11'0"	3353 mm	11'0"	3435 mm	11'3"
OROPS	3372 mm	11'1"	3372 mm	11'1"	3454 mm	11'4"
EROPS	3359 mm	11'2"	3359 mm	11'2"	3441 mm	11'3"
From Ground Face of Shoe	563 mm	22.2"	563 mm	22.2"	642 mm	25.3"
4. Length of Track on Ground	2878 mm	114"	3050 mm	120"	3167 mm	125"
5. Length of Basic Tractor (with drawbar)	4736 mm	15'6"	4736 mm	15'6"	4736 mm	15'6"
With the following attachments add to basic tractor length:						
Ripper (with tip at ground line)	1196 mm	3'11.1"	1196 mm	3'11.1"	—	—
Ripper (with tip fully raised)	992 mm	3'3.1"	992 mm	3'3.1"	—	—
Winch	77 mm	3"	77 mm	3"	77 mm	3"
S Blade	1081 mm	3'6.6"	1081 mm	3'6.6"	1071 mm	3'6"
SU Blade	1301 mm	4'3"	1301 mm	4'3"	—	—
U Blade	1541 mm	5'7"	1541 mm	5'7"	—	—
A Blade	1301 mm	4'6.4"	1301 mm	4'6.4"	—	—
6. Height of Grouser	71 mm	2.8"	71 mm	2.8"	71 mm	2.8"
Ground Contact Area (std. shoe)	3.22 m ²	5016 in ²	3.72 m ²	5760 in ²	5.79 m ²	9000 in ²
Number of Shoes per side		40		41		43
7. Ground Clearance	416 mm	16.4"	416 mm	16.4"	496 mm	19.5"
Standard Shoe Width and Type*	560 mm	22" ES	610 mm	24" ES	914 mm	36" MS
Ground Pressure	0.766 kg/cm ²	10.9 psi	0.690 kg/cm ²	9.8 psi	0.464 kg/cm ²	6.6 psi
8. Drawbar Height (grouser tip to center of clevis)	634 mm	24.9"	634 mm	24.9"	713.4 mm	28.1"
Pitch	216 mm	8.5"	216 mm	8.5"	216 mm	8.5"
Track Rollers/Side		7		8		7
Number of Carrier Rollers (optional)		1 per side		1 per side		1 per side

* ES – Extreme Service
MS – Moderate Service

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Optional Equipment (with approximate change in operating weight)

Standard and optional equipment may vary. For specific tractor applications, additional guarding may be required. Consult your Caterpillar dealer for further information.

	Mass (kg)	Weight (lb)		Mass (kg)	Weight (lb)
Bulldozer Arrangements Complete Bulldozers Installed			Operator Environment		
7A Bulldozer, Complete	3542	7,810	Air Conditioner (ROPS Mounted)	277	611
7S Bulldozer, Complete	3457	7,623	Air Suspension Seat	1.5	3
7S LGP Bulldozer, Complete	3728	8,220	Glass, Ultra-Strength 40	51	113
7SU Bulldozer, Complete	3681	8,117	Seat, Vinyl	0	0
7U Bulldozer, Complete	3911	8,624	Power Train		
Bulldozer Attachments			Ecology Drain	4	9
7A Tilt Cylinders	166	366	Fan, Reversible	0	0
7S Landfill Blade w/Trash Rack	2349	5,180	Fast Fuel System	3	7
7SU Blade Wear Plate	332	732	Oil Change System	9	20
7SU Landfill Blade w/Trash Rack	2404	5,300	Sand Blast Grid	15	33
7SU Landfill Blade Wear Plate	332	732	Undercarriage		
7S LGP ERF Dual Tilt	500	1,103	Track Groups		
7U Landfill Blade w/Trash Rack	2730	6,020	STD 24" ES HD	614	1,354
Electrical			STD 24" MS HD	155	342
AccuGrade Ready Option	83	182	STD 24" MS RBT	155	342
Alternator – 75A (Sealed)	13	29	STD 26" MS HD	304	670
Converter 20A, 12V	1	2	XR 24" MS RBT	0	0
Lights, 6	32	71	XR 26" ES HD	470	1,037
Lights, 8	33	73	XR 26" MS HD	153	337
Lights, 10	64	141	LGP 36" MS RBT	0	0
Lights, Supplemental – (Adj Rip Only)	2	4	Carrier Rollers		
Lights, Supplemental – 2 Fender	19	42	Carrier Rollers – STD	156	344
Machine Security System	1	3	Carrier Rollers – XR	156	344
Product Link	3	7	Other Attachments		
Guards			Counterweight	1061	2,340
Crankcase – ES	80	176	Counterweight Additional	345	761
Fuel Tank – STD	236	520	Drawbar	234	516
Fuel Tank – XR	240	529	Sound Suppression	159	351
Fuel Tank – LGP	245	540	Winch	1841	4,059
Rear	71	157	Winch Control	53	117
Radiator, Hinged – HD	48	106	Starting Aids		
Screen – Rear (Winch)	86	190	Batteries, HD	15	33
Screen – Rear (ROPS AC)	71	157	Heater, Engine Coolant	3	7
Sweeps	295	650	Hydraulics		
Track Guiding Guards			Controls, Ripper	43	95
Center – STD	85	187	Controls, Ripper Adjustable	55	121
Center – XR	107	236	Cooler, Hydraulic Oil	26	57
Track Roller Guards			Ripper		
Track Roller Guard – STD	292	644	Adjustable Ripper, Multi-Shank	3307	7,431
Track Roller Guard – XR	362	798	Additional Tooth	150	330
Track Roller Guard – LGP	405	893	Field Installed Attachments		
			Radio/Cassette	1	2
			Tool Kit	5	10

- Waste Handling Arrangements are available from the factory. Contact Custom Products for availability.