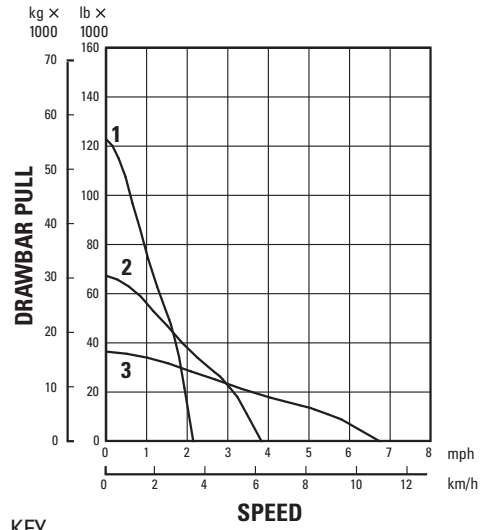


D8R Track-Type Tractor

D8R
D8R LGP



KEY

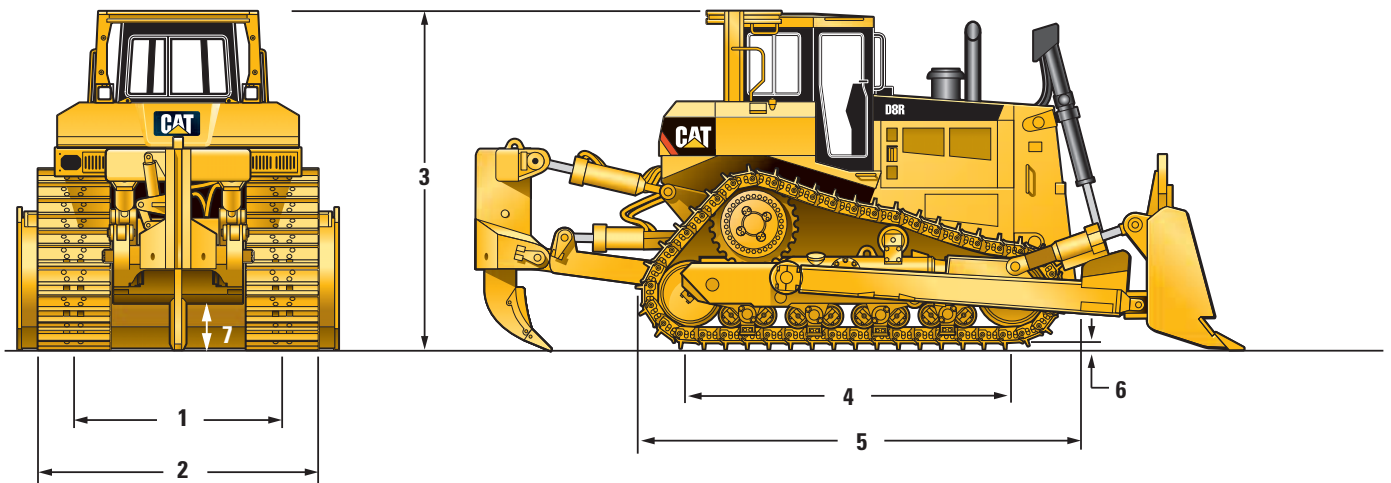
- 1 – 1st Gear
- 2 – 2nd Gear
- 3 – 3rd Gear

NOTE: Usable pull will depend upon weight and traction of equipped tractor.

D8R Track-Type Tractor

Dimensions

(approximate)



	Standard		Non-Suspended		LGP*	
1 Track Gauge	2083 mm	82.0 in	2082 mm	82.0 in	2337 mm	92.0 in
2 Width of Tractor						
Over Trunnions	3057 mm	120.4 in	3050 mm	120.1 in	3377 mm	132.9 in
Without Trunnions (standard shoe width)	2642 mm	104.0 in	2642 mm	104.0 in	3302 mm	130.0 in
3 Machine Height, from Tip of Grouser						
Exhaust Stack	3489 mm	137.4 in	3480 mm	137.0 in	3480 mm	137.0 in
OROPS	3520 mm	138.6 in	3511 mm	138.2 in	3511 mm	138.2 in
EROPS	3500 mm	137.8 in	3491 mm	137.4 in	3491 mm	137.4 in
4 Length of Track on Ground	3206 mm	126.2 in	3258 mm	128.3 in	3258 mm	128.3 in
5 Length of Basic Tractor (tag link trunnion to tip of rear grouser)	4554 mm	179.3 in	4554 mm	179.3 in	4554 mm	179.3 in
With following attachments add:						
Ripper – Single Shank (with tip at ground line)	1519 mm	59.8 in	1519 mm	59.8 in	N/A	
Ripper – Multi Shank (with tip at ground line)	1613 mm	63.5 in	1613 mm	63.5 in	N/A	
SU Blade	1844 mm	72.6 in	1844 mm	72.6 in	1844 mm	72.6 in
U Blade	2241 mm	88.2 in	2241 mm	88.2 in	N/A	
A Blade (not angled)	2027 mm	79.8 in	2027 mm	79.8 in	N/A	
A Blade (angled 25 deg.)	3068 mm	120.8 in	3068 mm	120.8 in	N/A	
Drawbar	406 mm	16.0 in	406 mm	16.0 in	406 mm	16.0 in
6 Height of Grouser	78 mm	3.1 in	78 mm	3.1 in	78 mm	3.1 in
7 Ground Clearance	613 mm	24.1 in	606 mm	23.8 in	606 mm	23.8 in

* Standard shoe width of D8R LGP with non-suspended undercarriage is 965 mm (38 in).

D8R Track-Type Tractor

Bulldozers

Blade		8 SU	8 U	8 A	8 SU LGP
Blade Capacity	m ³	8.7	11.7	4.7	8.5
	yd ³	11.4	15.3	6.1	11.1
Width	mm	3937	4262	4978	4400
	ft/in	12'11"	14'0"	16'4"	14'5"
Height	mm	1690	1740	1174	1612
	ft/in	5'7"	5'9"	3'10"	5'3"
Digging Depth	mm	582	582	628	582
	in	22.9	22.9	24.7	22.9
Ground Clearance	mm	1231	1231	1308	1231
	ft/in	4'0"	4'0"	4'4"	4'0"
Maximum Tilt	mm	951	1028	729	914
	ft/in	3'1"	3'5"	2'5"	3'0"
Weight*	kg	4570	5135	5099	4850
	lb	10,074	11,320	11,241	10,694

Features

- Cutting edges are DH-2 steel and end bits are DH-3 steel for maximum durability.
- Dozer lift cylinders mount to top corners of radiator guard to improve mechanical advantage.
- Single lever controls all blade movements.
- Angle dozer available with two tilt cylinders, which replace the two tilt braces.

* Does not include hydraulic controls, but includes blade tilt cylinder.

Rippers

Hydraulic tip adjustment cylinders vary shank angle to aid penetration and help lift and shatter rock.

		Single Shank	Single Shank, Deep Ripping Arrangement	Multi-Shank Arrangement
Overall Beam Width	mm	–	–	2464
	ft/in	–	–	8'1"
Maximum Penetration Force* (shank vertical)	kN	124.9	122.6	118.5
	lb	28,060	27,560	26,628
Pryout Force	kN	281.4	281.4	303.2
	lb	63,237	63,237	68,128
Maximum Penetration (standard tip)	mm	1158	1602	786
	ft/in	3'10"	5'3"	2'7"
Maximum Clearance Raised (under tip, pinned in bottom hole)	mm	670	840	624
	in	26	33	24.5
Number of Shank Holes (vertical adjustment)		3	3	2
Weight (without hydraulic controls)	kg	4140	4378	4100
	lb	9,119	9,643	9,031
Total Operating Weight (with 8 SU blade and ripper)**	kg	37,875	38,113	37,835
	lb	83,500	84,024	83,394

* Multi-Shank Ripper Forces measured with Center Tooth installed.

** Operating weights are calculated based on suspended undercarriage configuration found in the weights section (see page 11).

Note: Single shank, deep ripping arrangement weight includes required pin puller.

D8R Track-Type Tractor

Attachments may vary. Consult your Cat dealer for details. Weights are approximate.

	Additional Weight	
	kg	lb
ELECTRICAL		
Light, Ripper	3	7
Lights, Six (1)	12	26
Lights, Ten (10)	24	53

GUARDS		
Final Drive Seals	18	40
Final Drive, Clamshell	150	331
Fuel and Hydraulic Tank	256	564
Bottom Guards	70	154
Rear Power Train	129	284
Rear Tractor	74	163
Radiator, Heavy-Duty Hinged	148	326
Screen, Rear, Cab	86	190
Screen, Rear, Canopy	65	143
Sweeps, Logging	310	683

OPERATOR ENVIRONMENT		
Cab, ROPS/FOPS	550	1,213
Air Conditioner, Under Hood	57	126
Air Conditioner, Fender Mounted	160	353
Air Conditioner, ROPS Mounted	154	340

POWER TRAIN		
Fast-Fill, Fuel System	8	17
Fast-Fill, Engine Oil System	5	11
Radiator Core Protector Grid	11	24
Fan, Reversible (manual)	6	13
Heater, Fuel	5	11
Heater, Engine Coolant	2	4
Thermoshield, Laminated	11	24

	Additional Weight	
	kg	lb
UNDERCARRIAGE		
Pair, HD Sealed and Lubricated, PPR		
610 mm (24 in), ES	471	1,038
610 mm (24 in), MS, TRAP	348	767
610 mm (24 in), MS, Chopper	814	1,795
610 mm (24 in), SES	936	2,064
660 mm (26 in), MS	199	439
660 mm (26 in), ES	708	1,561
660 mm (26 in), ES, TRAP	584	1,287
660 mm (26 in), SES, TRAP	1101	2,427
710 mm (28 in), MS	398	877
710 mm (28 in), MS, TRAP	290	639
965 mm (38 in), ES	2153	4,747
965 mm (38 in), ES, TRAP	2030	4,475
Pair, SystemOne™		
610 mm (24 in), ES	538	1,186
610 mm (24 in), ES, CTR-HOLE	429	946
610 mm (24 in), SES	1004	2,213
610 mm (24 in), SES, CTR-HOLE	899	1,982
660 mm (26 in), ES	775	1,709
660 mm (26 in), ES, CTR-HOLE	666	1,468
660 mm (26 in), SES	1170	2,579
660 mm (26 in), SES, CTR-HOLE	1167	2,573
710 mm (28 in), ES	1012	2,231
710 mm (28 in), SES	1572	3,466
Carrier Rollers (pair)	498	1,098
Arctic Seals, Rollers and Idlers	0	0
Guard, Track Roller (non-Suspended)	299	659
LGP Track Roller Frames	70	154

	Additional Weight	
	kg	lb
REAR ATTACHMENTS		
Rear Counterweight (Basic)	2335	5,148
Rear Counterweight (additional slab)	572	1,261
Ripper – Single Shank, (Standard Arrangement)	4085	9,006
Ripper – Single Shank, (Deep Ripping Arrangement)	4260	9,392
Ripper – Multi Shank (includes one shank)	4213	9,288
Ripper Shank (for Multi Shank ripper)	332	732

BULLDOZER ATTACHMENTS		
Rock Guard (8SU only)	115	254
Rock Guard and Wear Plate (8SU only)	552	1,217
Push plate (8SU only)	234	516
Tilt Cylinders (8A only)	311	686
Dual Tilt Cylinders (8SU and 8U)	1514	3,338
Dual Tilt Cylinders (8SU LGP)	1545	3,406
Dozer Tilt Line Guards	36	79

SPECIAL ARRANGEMENTS		
Waste Handling Arrangement	424	935