

D6R Track-Type Tractor Specifications

Engine – STD

Engine Model	Cat® C9 ACERT™	
Maximum Power at 1,800 rpm		
Gross Power – ISO 14396	152 kW	204 hp
Net Power – ISO 9249	139 kW	186 hp
Rated Power at 2,000 rpm		
Gross Power – ISO 14396	148 kW	198 hp
Net Power – ISO 9249	131 kW	175 hp
Bore	112 mm	4.4 in
Stroke	149 mm	5.9 in
Displacement	8.8 L	537 in ³

- Net power advertised is the power available at the flywheel when engine is equipped with a fan at maximum speed, air cleaner, muffler and alternator.
- No deratings required up to 2286 m (7,500 ft) altitude, beyond 2286 m (7,500 ft) automatic derating occurs.

Engine – XL/LGP

Engine Model	Cat® C9 ACERT™	
Maximum Power at 1,800 rpm		
Gross Power – ISO 14396	169 kW	227 hp
Net Power – ISO 9249	158 kW	212 hp
Rated Power at 2,000 rpm		
Gross Power – ISO 14396	163 kW	219 hp
Net Power – ISO 9249	145 kW	195 hp
Bore	112 mm	4.4 in
Stroke	149 mm	5.9 in
Displacement	8.8 L	537 in ³

- Net power advertised is the power available at the flywheel when engine is equipped with a fan at maximum speed, air cleaner, muffler and alternator.
- No deratings required up to 2286 m (7,500 ft) altitude, beyond 2286 m (7,500 ft) automatic derating occurs.

Transmission

1.0 Forward	3.8 km/h	2.3 mph
2.0 Forward	6.6 km/h	4.1 mph
3.0 Forward	11.5 km/h	7.1 mph
1.0 Reverse	4.8 km/h	3 mph
2.0 Reverse	8.4 km/h	5.2 mph
3.0 Reverse	14.6 km/h	9.1 mph

Service Refill Capacities

Fuel Tank	424 L	112 gal
Cooling System	76.8 L	20.3 gal
Engine Crankcase	28 L	7.4 gal
Power Train	145.7 L	38.5 gal
Final Drives (each)	13.6 L	3.6 gal
Roller Frames (each)	24.6 L	6.5 gal
Pivot Shaft	5 L	1.3 gal
Compartment		
Hydraulic Tank	51.5 L	13.6 gal

Weights

Operating Weight – STD S	18 225 kg	40,179 lb
Operating Weight – STD SU	18 325 kg	40,400 lb
Operating Weight – STD A	18 669 kg	41,148 lb
Operating Weight – XL SU	20 080 kg	44,270 lb
Operating Weight – XL A	20 257 kg	44,660 lb
Operating Weight – LGP S	21 715 kg	47,874 lb
Shipping Weight – STD	15 017 kg	33,106 lb
Shipping Weight – XL	17 012 kg	37,505 lb
Shipping Weight – LGP	19 153 kg	42,225 lb

- Operating weight includes lubricants, coolant, full fuel tank, standard track, cab, hydraulic controls, drawbar and operator.
- Shipping weight includes lubricants, coolant, cab, hydraulic controls, standard track and 10 percent fuel.

Undercarriage

Width of Shoe – STD/XL	560 mm	22 in
Width of Shoe – LGP	915 mm	36.02 in
Shoes/Side – STD	39	
Shoes/Side – XL	41	
Shoes/Side – LGP	45	
Grouser Height	65 mm	2.56 in
Pitch	203 mm	7.99 in
Ground Clearance	383 mm	15 in
Track Gauge – STD/XL	1880 mm	74 in
Track Gauge – LGP	2286 mm	90 in
Track on Ground – STD	2664 mm	104.88 in
Track on Ground – XL	2871 mm	113.03 in
Track on Ground – LGP	3275 mm	128.94 in
Ground Contact Area (STD Track) – STD	2.98 m ²	4,620 in ²
Ground Contact Area (STD Track) – XL	3.22 m ²	4,972 in ²
Ground Contact Area (STD Track) – LGP	5.99 m ²	9,288 in ²
Ground Pressure – STD	0.614 kg/cm ²	8.74 psi
Ground Pressure – XL	0.623 kg/cm ²	8.9 psi
Ground Pressure – LGP	0.362 kg/cm ²	5.15 psi

- STD, XL with SU blade, with no rear attachments unless otherwise specified.

Hydraulic Controls – Pump

Pump Capacity at	6900 kPa	1,001 psi
RPM at Rated Engine Speed	2,125 rpm	
Pump Output	214 L/min	56.5 gal/min
Lift Cylinder Flow	190 L/min	50.2 gal/min
Tilt Cylinder Flow	80 L/min	21.1 gal/min
Ripper Cylinder Flow	160 L/min	42.3 gal/min

Hydraulic Controls – Main Relief Valve

Pressure Setting	42 000 kPa	6,092 psi
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Hydraulic Controls – Maximum Operating Pressure

Bulldozer	19 300 kPa	2,799 psi
Bulldozer Tilt	19 300 kPa	2,799 psi
Tilt Cylinder	19 300 kPa	2,799 psi
Ripper (Lift)	19 300 kPa	2,799 psi
Ripper (Pitch)	19 300 kPa	2,799 psi
Steering	40 000 kPa	5,802 psi

Blades

SU-Blade Capacity	5.61 m ³	7.34 yd ³
SU-Blade Width	3260 mm	10 ft 8 in
S-Blade Capacity	3.89 m ³	5.09 yd ³
S-Blade Width	3360 mm	11 ft 0 in
A-Blade Capacity	3.93 m ³	5.14 yd ³
A-Blade Width	4166 mm	13 ft 8 in
LGP S-Blade Capacity	3.75 m ³	4.9 yd ³
LGP S-Blade Width	4063 mm	13 ft 4 in

Ripper

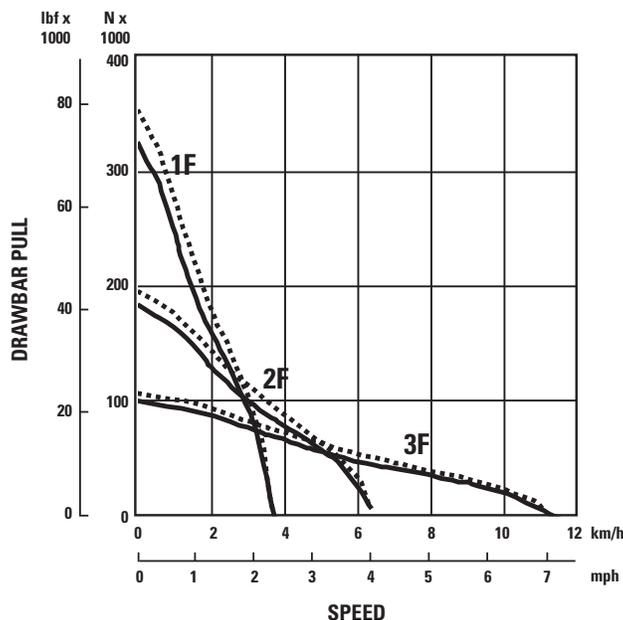
Type	Fixed Parallelogram	
Number of Pockets	3	
Overall Beam Width	2202 mm	87 in
Beam Cross Section	216 × 254 mm	8.5 × 10 in
Maximum Clearance Raised (under tip, pinned in bottom hole)	511 mm	20.1 in
Maximum Penetration	500 mm	19.7 in
Maximum Penetration Force	6603 kg	14,557 lb
Pryout Force	9134 kg	20,137 lb
Weight – with Three Shanks	1782 kg	3,932 lb

Standards

ROPS/FOPS	ROPS meets criteria SAE J395, SAE 1040 MAY94, ISO 3471-1994/ FOPS meets ISO 3449-1992 Level II
Brakes	Brakes meet criterion SAE J/ISO 10265 MAY98
Cab	Meets appropriate standards as listed below.

- The operator sound exposure Leq (equivalent sound pressure) measured according to the dynamic conditions in ISO 6396 is 79 dB(A) for a cab offered by Caterpillar when properly installed and maintained and with doors and windows closed when tested.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environment.
- The exterior sound pressure level for a standard machine was measured according to the dynamic conditions in ISO 6395. On a machine equipped with a carrier roller, the sound level is 115 dB(A). On a machine without a carrier roller, the level is 114 dB(A).

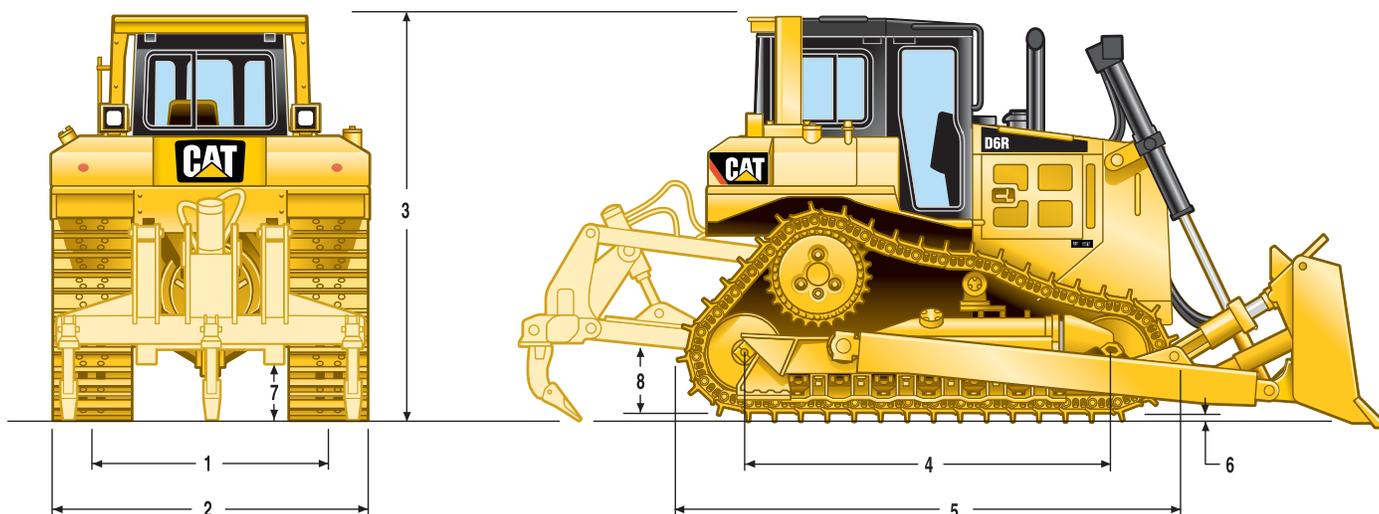
D6R Track-Type Tractor



— STD
 XL/LGP

D6R Track-Type Tractor Specifications

Dimensions



	STD	XL	LGP
1 Track gauge	1880 mm (74 in)	1880 mm (74 in)	2286 mm (90 in)
2 Width of tractor			
Over trunnions	2640 mm (103.9 in)	2640 mm (103.9 in)	3491 mm (137.4 in)
Without trunnions (standard track)	2440 mm (96 in)	2440 mm (96 in)	3201 mm (126 in)
3 Machine height from tip of grouser:			
Stack	3143 mm (123.7 in)	3143 mm (123.7 in)	3193 mm (125.7 in)
ROPS	3195 mm (125.8 in)	3195 mm (125.8 in)	3245 mm (127.8 in)
4 Length of track on ground	2664 mm (104.9 in)	2871 mm (104.9 in)	3275 mm (128.9 in)
5 Length of basic tractor	3860 mm (152 in)	3860 mm (152 in)	4247 mm (167.2 in)
With following attachments add:			
Drawbar	217 mm (8.5 in)	217 mm (8.5 in)	251 mm (9.9 in)
Ripper Multi-Shank (tip at ground line)	1403 mm (55.2 in)	1403 mm (55.2 in)	—
Winch	517 mm (20.4 in)	517 mm (20.4 in)	397 mm (15.6 in)
S Blade	1043 mm (41.1 in)	—	1218 mm (48 in)
SU Blade	1235 mm (48.6 in)	1472 mm (58 in)	—
A Blade	1147 mm (45.2 in)	1349 mm (53.1 in)	—
6 Height of grouser	65 mm (2.6 in)	65 mm (2.6 in)	65 mm (2.6 in)
7 Ground clearance	383 mm (15.1 in)	383 mm (15.1 in)	433 mm (17 in)
Track pitch	203 mm (8 in)	203 mm (8 in)	203 mm (8 in)
Number of shoes per side	39	41	45
Number of rollers per side	6	7	8
Standard shoe	560 mm (22 in)	560 mm (22 in)	915 mm (36 in)
Ground contact area (standard track)	2.98 m ² (4,620 in ²)	3.22 m ² (4,972 in ²)	5.99 m ² (9,288 in ²)
Ground pressure*	0.614 kg/cm ² (8.74 psi)	0.623 kg/cm ² (8.90 psi)	0.362 kg/cm ² (5.15 psi)
8 Drawbar height (center of clevis from ground face of shoes)	576 mm (22.68 in)	576 mm (22.68 in)	576 mm (22.68 in)

*STD, XL with SU blade, with no rear attachments unless otherwise specified.

Bulldozer Specifications

Bulldozer Specifications	S		SU		A	
	STD	LGP	STD	XL	STD	XL
Blade capacity (SAE J1265)	3.89 m ³ (5.09 yd ³)	3.75 m ³ (4.90 yd ³)	5.61 m ³ (7.34 yd ³)	5.61 m ³ (7.34 yd ³)	3.93 m ³ (5.14 yd ³)	3.93 m ³ (5.14 yd ³)
Width (over end bits)	3360 mm (132.3 in)	4063 mm (160 in)	3260 mm (128.3 in)	3260 mm (128.3 in)	4166 mm (164 in)	4166 mm (164 in)
Height	1257 mm (50 in)	1101 mm (44 in)	1412 mm (56 in)	1412 mm (56 in)	1155 mm (45 in)	1155 mm (45 in)
Digging depth	473 mm (19 in)	655 mm (26 in)	473 mm (19 in)	459 mm (18 in)	506 mm (20 in)	524 mm (21 in)
Ground clearance	1104 mm (44 in)	1083 mm (43 in)	1104 mm (44 in)	1195 mm (47 in)	1142 mm (45 in)	1205 mm (47 in)
Maximum tilt	765 mm (30 in)	701 mm (28 in)	743 mm (29 in)	743 mm (29 in)	408 mm (16 in)	408 mm (16 in)
Weight*	2599 kg (5,730 lb)	2836 kg (6,252 lb)	2699 kg (5,950 lb)	2973 kg (6,554 lb)	3050 kg (6,724 lb)	3150 kg (6,945 lb)

*Includes push arms, blade, blade tilt cylinder(s), cutting edges and miscellaneous hardware components.

D6R Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

ELECTRICAL

Alarm, backup
Alternator, 70-Amp, brushless
Batteries, 2 maintenance free 12V (24V system)
Converter, 12V, 10-Amp w/2 outlets
Connector, diagnostic
Lights, 4 (2 mounted on the lift cylinder facing forward, 2 mounted on the fuel tank facing rearward)
Electric start, 24V
Horn, forward warning

OPERATOR ENVIRONMENT

Air conditioner, under-hood
Armrest, adjustable
Cab, ROPS/FOPS
Decelerator pedal
Differential steering control
Electronic Monitoring System (EMS) with coolant temperature, power train oil, hydraulic oil and fuel gauge, tachometer, and diagnostic functions
Foot pads, dash
Heater
Hydraulic controls, pilot operated with electronic deactivation switch
Mirror, rearview
Radio ready
Seat, adjustable contour suspension
Seatbelt, retractable, 76 mm (3 in)
Throttle switch, electronic
Wipers, two (2) speed

POWER TRAIN

Cat C9 (8.8 L) diesel
Aluminum bar plate radiator cooling system
Air cleaner, precleaner with strata tube dust ejector
Air filter with electronic service indicator
After-cooler, air to air (ATAAC)
Coolant, extended life
Fan, blower, direct drive
Final drives, 3-planet single reduction planetary
Fuel priming pump, electric
Muffler with mitered stack
Parking brake
Prescreener
Torque divider
Planetary transmission, mechanical power shift 3F/3R speeds
Turbocharger, waste-gate
Water separator

UNDERCARRIAGE

Carrier rollers, lifetime lubricated (XL and LGP)
Equalizer bar
Guards, end track guiding
Guards, center track guiding (LGP)
Idlers, lifetime lubricated
Rollers, lifetime lubricated track
Track roller frames, tubular
Track adjusters, hydraulic
Sprocket rim segments, replaceable
Track, HD S & L, moderate service
Standard arrangement: 560 mm (22 in), 39-section
XL arrangement: 560 mm (22 in), 41-section
LGP arrangement: 915 mm (36 in), 45-section

OTHER STANDARD EQUIPMENT

Parts book – CD ROM
Operation and Maintenance Manual – Paper
Engine enclosures, perforated
Front pull device
Guards, hinged bottom
Mounting, lift cylinder
Lift cylinder with lines, LH
Lift cylinder with lines, RH
Hood, perforated
Hydraulics, load sensing, dozer lift and tilt
Oil cooler, hydraulic
Product Link ready
Radiator doors, louvered, hinged, fan blast deflector
Sampling ports
Engine oil
Power train oil
Hydraulic oil
Engine coolant
Tool box
Vandalism protection
Padlocks for battery compartment and fuel drain valve
Padlock capable compartments

Weights are approximate.

	Additional Weight	
	kg	lb
ELECTRICAL		
Alternator, 150-Amp	-1	-2
Converter, 24V to 12V	2	4
Lights, additional 2 fwd, ROPS mounted	17	36
Lights, additional 2 fwd, lift cylinder mounted	6	12
ELECTRONICS		
Cat Product Link PL321 – Satellite	9	19
Cat Product Link PL522 – Cellular	9	19
GUARDS		
Guard, heavy-duty crankcase	164	362
Guard, heavy-duty radiator grill	44	96
Guard, fuel tank, without rear attachment	151	333
Guard, fuel tank, with rear attachment	158	348
Screen, rear	65	143
Striker bars, front, XL	399	879
Striker bars, front, LGP	460	1,014
OPERATOR ENVIRONMENT		
ROPS/FOPS canopy with vinyl seat	-358	-789
Air conditioner, ROPS cab mounted	114	251
Seat, cloth, air suspension	4	9
POWER TRAIN		
Drains, ecology, power train	3	6
Grid, radiator core protector	27	60
Prescreener, raised	-2	-4
Precleaner, turbine with screen	13	28
Heavy-duty batteries and starter	61	134
Fan, increased speed	10	21

	Additional Weight	
	kg	lb
UNDERCARRIAGE		
Heavy-duty, sealed and lubricated track		
39-section standard track roller frame		
560 mm (22 in) ES	145	320
610 mm (24 in) MS	69	152
41-section XL track roller frame		
560 mm (22 in) ES	150	331
610 mm (24 in) MS	72	159
610 mm (24 in) MS, TRAP-hole	20	44
45-section LGP track roller frame		
914 mm (36 in) ES, TRAP-hole, LGP	268	591
991 mm (39 in) self-cleaning, LGP	24	53
SystemOne™ track		
41-section XL track roller frame		
560 mm (22 in) ES, XL	-1315	-2,899
610 mm (24 in) ES, XL	-1232	-2,716
45-section LGP track roller frame		
914 mm (36 in) ES, LGP	278	613
Guards, track guiding, HD S & L		
Guide, track, moderate service, STD	192	423
Guide, track, moderate service, XL	197	434
Guide, track, moderate service, LGP	196	432
Guide, track, full length, STD	238	525
Guide, track, full length, XL	284	626
Guide, track, full length, LGP	242	534
Guards, track guiding, SystemOne™		
Guide, track, full length, XL	243	536
Guide, track, full length, LGP	275	606

	Additional Weight	
	kg	lb
OTHER ATTACHMENTS		
Rigid drawbar, long	117	258
Rear counterweight	781	1,722
Additional rear counterweight slab	342	753
Multi-shank ripper with 3 curved shanks	1848	4,074
Straight ripper shanks, set of 3	192	423
TECHNOLOGY PRODUCTS		
Installation, AccuGrade® ready, cab	29	63
HYDRAULICS		
Hydraulics, AccuGrade®, with rear attachments	11	23
Hydraulics, AccuGrade®, without rear attachments	11	24
Hydraulics, rear ripper	31	67
FEATURE PACKAGES		
Cold Weather Package	82	181
Includes: HD batteries, HD starter, 220V heater – engine coolant, heater – diesel fuel, solid engine hood, reversible fan, anti-freeze (-50° C/-58° F), ether starting aid, automatic.		
Cold Weather Package, Extreme	72	159
Includes: cab with dual pane glass, higher degree thermostat, arctic fluids (engine, pivot shaft, implement hydraulics and final drives).		
Waste Handling Packages, XL and LGP	934	2,059
Includes: 95-Amp ducted and sealed alternator, ES crankcase guard, HD radiator louvered guard, final drive and idler seal guard, turbine precleaner with screen, thermal shield, dozer line guards, chassis guards and seal.		
Sweep Package	381	840
Includes: sweep, lights (8) and guards.		

D6R Attachments

Weights are approximate.

	Additional Weight	
	kg	lb
FIELD INSTALLED ATTACHMENTS		
Guard, clamshell, final drive, XL	128	281
Guard, clamshell, final drive, LGP	209	460
Carrier roller kit	114	251

	Individual Component Weight	
	kg	lb
BULLDOZER		
Includes: tilt cylinder and hydraulic lines, brace, push-arms and trunnions		
Bulldozer Package, STD, S/SU	1068	2,355
Bulldozer Package, STD, A	1557	3,433
Bulldozer Package, XL, A	1646	3,629
Bulldozer Package, XL, SU	1168	2,575
Bulldozer Package, LGP	1117	2,463

BULLDOZER ATTACHMENTS		
6S blade	1283	2,829
6SLGP blade	1323	2,917
6SU blade	1291	2,846
6SUXL blade	1291	2,846
6A blade	1177	2,595
6AXL blade	1177	2,595
6SUXL landfill blade with trash rack	1654	3,646
6SLGP landfill blade with trash rack	1442	3,179
6SUXL blade with AccuGrade® mounting	1502	3,311
6SLGP blade with AccuGrade® mounting	1530	3,373

D6R Track-Type Tractor

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