D8TTrack-Type Tractor





| Engine | | |
|------------------------|---|--------|
| Engine Model | Cat® C15 ACER | Ттм |
| Emissions | U.S. EPA Tier 4 Final/EU Stage I\ Japan 2014 (Tier 4 Final)/ Korea Tier 4 Final | |
| Engine Power (Maximum) | | |
| SAE J1995 | 271 kW | 363 hp |
| ISO 14396 | 268 kW | 359 hp |
| ISO 14396 (DIN) | | 364 hp |

| | | _ |
|-----------|---------------------|---|
| 233 kW | 312 hp | |
| | 317 hp | |
| | | |
| 252 kW | 335 hp | |
| | 343 hp | |
| | | |
| 39 420 kg | 86,900 lb | _ |
| 37 420 kg | 82,496 lb | |
| | 252 kW 39 420 kg | 317 hp 252 kW 335 hp 343 hp 39 420 kg 86,900 lb |

| Engine | | |
|--------------------------|----------|---------------------|
| Engine Model | C15 ACER | T |
| Engine Power (Maximum*) | | |
| SAE J1995 | 271 kW | 363 hp |
| ISO 14396 | 268 kW | 359 hp |
| ISO 14396 (DIN) | | 364 hp |
| Net Power (Rated**) | | |
| ISO 9249/SAE J1349 | 233 kW | 312 hp |
| ISO 9249/SAE J1349 (DIN) | | 317 hp |
| Net Power (Maximum*) | | |
| ISO 9249/SAE J1349 | 252 kW | 335 hp |
| ISO 9249/SAE J1349 DIN | | 343 hp |
| Bore | 137 mm | 5.4 in |
| Stroke | 172 mm | 6.75 in |
| Displacement | 15.2 L | 928 in ³ |

- *Engine speed 1,700 rpm
- **Rated speed 1,900 rpm
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- No derating required up to 3566 m (11,700 ft) altitude, beyond 3566 m (11,700 ft) automatic derating occurs.
- All non road Tier 4 Interim and Final, Stage IIIB and IV, Japan 2011 and 2014 (Tier 4 Interim and Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 (20% blend by volume) are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD. B20 should meet ASTM D7467 specification (biodiesel blend stock should meet Cat biodiesel spec, ASTM D6751 or EN 14214). Cat DEO-ULSTM or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specification are required. Consult your OMM for further machine specific fuel recommendations.
- Diesel Exhaust Fluid (DEF) used in Cat Selective Catalytic Reduction (SCR) systems must meet the requirements outlined in the International Organization for Standardization (ISO) standard 22241.

| Service Refill Capacities | | |
|----------------------------------|--------|----------|
| Fuel Tank | 627 L | 165 gal |
| DEF Tank | 24 L | 6.3 gal |
| Cooling System | 86 L | 22.7 gal |
| Engine Crankcase* | 38 L | 10 gal |
| Power Train | 155 L | 41 gal |
| Final Drives (each) | 12.5 L | 3.3 gal |
| Roller Frames (each) | 65 L | 17.2 gal |
| Pivot Shaft Compartment | 40 L | 10.6 gal |
| Hydraulic Tank | 75 L | 19.8 gal |
| *With oil filter | | |

| Weights | | |
|-------------------|-----------|-----------|
| Operating Weight | | |
| Standard | 39 420 kg | 86,900 lb |
| LGP | 37 420 kg | 82,496 lb |
| Shipping Weight | | |
| Standard SU Blade | 30 070 kg | 66,300 lb |
| LGP | 31 160 kg | 68,700 lb |

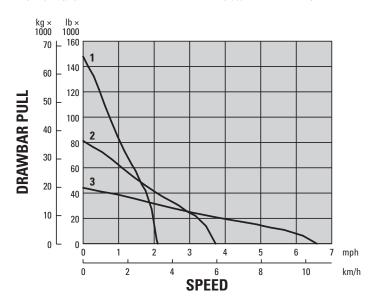
- Operating Weight Standard: Includes hydraulic controls, blade, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, Single-Shank Ripper, 610 mm (24 in) MS shoes, and operator.
- Operating Weight LGP: Includes hydraulic controls, blade, tilt cylinder, drawbar, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, 965 mm (38 in) MS shoes, and operator.
- Shipping Weight Standard: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, and 610 mm (24 in) MS shoes.
- Shipping Weight LGP: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, and 965 mm (38 in) MS shoes.

| Standard | | |
|-----------------------------|---------------------|----------|
| Shoe Type | Moderate S | |
| Width of Shoe | 610 mm | 24 in |
| Shoes/Side | 44 | |
| Track Rollers per Side | 8 | |
| Grouser Height | 78 mm | 3.1 in |
| Pitch | 216 mm | 8.5 in |
| Ground Clearance | 613 mm | 24.1 in |
| Track Gauge | 2083 mm | 82 in |
| Length of Track on Ground | 3206 mm | 126 in |
| Ground Contact Area | 3.91 m ² | 6,060 in |
| Ground Pressure (ISO 16754) | 89.6 kPa | 13.0 psi |
| GP | | |
| Shoe Type | Moderate S | ervice |
| Width of Shoe | 965 mm | 38 in |
| Shoes/Side | 44 | |
| Track Rollers per Side | 8 | |
| Grouser Height | 78 mm | 3.1 in |
| Pitch | 216 mm | 8.5 in |
| Ground Clearance | 613 mm | 24.1 in |
| Track Gauge | 2337 mm | 92 in |
| Length of Track on Ground | 3206 mm | 126 in |
| Ground Contact Area | 6.19 m ² | 9,593 in |
| Ground Pressure (ISO 16754) | 53.3 kPa | 7.7 psi |

| Hydraulic Controls | | | |
|-------------------------------------|---------------------------------------|------------|--|
| Pump Type | Piston-type, Variable Displacement | | |
| Pump Output (Steering) | 284 L/min | 75 gal/min | |
| Pump Output (Implement) | 244 L/min | 64 gal/min | |
| Tilt Cylinder Rod End Flow | 132 L/min | 35 gal/min | |
| Tilt Cylinder Head End Flow | 170 L/min | 45 gal/min | |
| Bulldozer Relief Valve Setting | 24 000 kPa | 3,480 psi | |
| Tilt Cylinder Relief Valve Setting | 24 000 kPa | 3,480 psi | |
| Ripper (Lift) Relief Valve Setting | 24 000 kPa | 3,480 psi | |
| Ripper (Pitch) Relief Valve Setting | 24 000 kPa | 3,480 psi | |
| Steering | 39 200 kPa | 5,700 psi | |

- Steering Pump output measured at 2,364 rpm (pump speed) and 30 000 kPa (4,351 psi).
- Implement Pump output measured at 1,900 rpm and 6895 kPa (1,000 psi).
- Electro-hydraulic pilot valve assists operations of ripper and dozer controls. A standard hydraulic system includes four valves.
- Complete system consists of pump, tank, filter, oil cooler, valves, lines, and control levers.

| Transmission | | |
|--------------|-----------|---------|
| 1 Forward | 3.4 km/h | 2.1 mph |
| 2 Forward | 6.1 km/h | 3.8 mph |
| 3 Forward | 10.6 km/h | 6.6 mph |
| 1 Reverse | 4.5 km/h | 2.8 mph |
| 2 Reverse | 8 km/h | 5 mph |
| 3 Reverse | 14.2 km/h | 8.8 mph |
| Drawbar Pull | | |
| 1 Forward | 661.1 kN | 148 lbf |
| 2 Forward | 363.1 kN | 81 lbf |
| 3 Forward | 197.5 kN | 44 lbf |



| U | | |
|--|---------------------|----------------------|
| Capacity (SAE J1265) | 8.6 m ³ | 11.3 yd ³ |
| Width (over end bits) | 3931 mm | 12.9 ft |
| Height | 1690 mm | 5.5 ft |
| Digging Depth | 511 mm | 20.1 in |
| Ground Clearance | 1310 mm | 51.6 in |
| Maximum Tilt | 861 mm | 33.9 in |
| Weight* (without hydraulic controls) | 4260 kg | 10,100 lb |
| Total Operating Weight** (with Blade and Single-Shank Ripper) | 39 420 kg | 86,900 lb |
| U | | |
| Capacity (SAE J1265) | 11.8 m ³ | 15.4 yd ³ |
| Width (over end bits) | 4251 mm | 13.9 ft |
| Height | 1741 mm | 5.7 ft |
| Digging Depth | 567 mm | 22.3 in |
| Ground Clearance | 1239 mm | 48.8 in |
| Maximum Tilt | 996 mm | 39.2 in |
| Weight* (without hydraulic controls) | 4895 kg | 11,500 lb |
| Total Operating Weight** (with Blade and Single-Shank Ripper) | 40 055 kg | 88,300 lb |
| A | | |
| Capacity (SAE J1265) | 5.2 m ³ | 6.8 yd ³ |
| Width (over end bits) | 5045 mm | 16.6 ft |
| Height | 1177 mm | 3.9 ft |
| Digging Depth | 625 mm | 24.6 in |
| Ground Clearance | 1323 mm | 52.1 in |
| Maximum Tilt | 733 mm | 28.9 in |
| Weight* (without hydraulic controls) | 5121 kg | 11,900 lb |
| Total Operating Weight** (with Blade and Single-Shank Ripper) | 40 281 kg | 88,700 lb |
| SU LGP | | |
| Capacity (SAE J1265) | 9.9 m ³ | 12.9 yd ³ |
| Width (over end bits) | 4531 mm | 14.9 ft |
| Height | 1622 mm | 5.3 ft |
| Digging Depth | 513 mm | 20.2 in |
| Ground Clearance | 1308 mm | 51.5 in |
| Maximum Tilt | 908 mm | 35.7 in |
| Weight* (without hydraulic controls) | 4703 kg | 11,150 lb |
| Total Operating Weight** (with Blade and Single-Shank Ripper) | 36 950 kg | 82,496 lb |

^{*}Includes blade tilt cylinder.

| Ripper | | |
|---|-----------|-----------|
| Single-Shank, Adjustable Parallelogram | | |
| Number of Pockets | 1 | |
| Maximum Clearance Raised (under tip, pinned in bottom hole) | 636 mm | 25 in |
| Maximum Penetration (standard tip) | 1130 mm | 44.4 in |
| Maximum Penetration Force (shank vertical) | 127.3 kN | 28,620 lb |
| Pry out Force | 222.7 kN | 50,070 lb |
| Weight* (without hydraulic controls) | 4085 kg | 9,005 lb |
| Total Operating Weight (with SU-Blade and Ripper) | 39 420 kg | 86,900 lb |
| Multi-Shank, Adjustable Parallelogram | | |
| Number of Pockets | 3 | |
| Overall Beam Width | 2464 mm | 97 in |
| Maximum Clearance Raised (under tip, pinned in bottom hole) | 593 mm | 23.35 in |
| Maximum Penetration (standard tip) | 780 mm | 30.7 in |
| Maximum Penetration Force (shank vertical) | 124.2 kN | 27,920 lb |
| Pry out Force (Multi-Shank Ripper with one tooth) | 222.9 kN | 51,230 lb |
| Weight | | |
| With One Shank | 4877 kg | 10,752 lb |
| Each Additional Shank | 332 kg | 732 lb |
| Total Operating Weight* (with SU-Blade and Ripper) | 40 212 kg | 88,646 lb |

^{*}Total Operating Weight: Includes hydraulic controls, blade tilt cylinder, coolant, lubricants, 100% fuel. ROPS, FOPS cab, blade, single-shank ripper, 610 mm (24 in) MS shoes, and operator.

^{**}Operating Weight: Includes hydraulic controls, blade tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, blade, single-shank ripper, 610 mm (24 in) MS shoes, and operator.

| Winches | | |
|---|-----------|----------|
| Winch Model | PA 140OVS | |
| Weight* | 1790 kg | 3,947 lb |
| Oil Capacity | 15 L | 4 gal |
| Increased Tractor Length | 563 mm | 22.2 in |
| Winch Length | 1430 mm | 56.3 in |
| Winch Case Width | 1160 mm | 45.6 in |
| Drum Width | 320 mm | 12.6 in |
| Flange Diameter | 457 mm | 18 in |
| Recommended Cable Size | 29 mm | 1.13 in |
| Optimal Cable Size | 32 mm | 1.25 in |
| Drum Capacity – Recommended Cable Size | 84 m | 276 ft |
| Drum Capacity – Optional Cable | 59 m | 193 ft |
| Cable Ferrule Sizes – Outside Diameter | 60 mm | 2.36 in |
| Cable Ferrule Sizes – Length | 70 mm | 2.76 in |

Variable speed, hydraulically driven, dual braking system, three roller fairlead.

Standards

- The declared dynamic operator sound pressure level is 75 dB(A) when "ISO 6396:2008" is used to measure the value for an enclosed cab. On machines equipped with the optional sound package the declared dynamic operator sound pressure level is 74 dB(A) when "ISO 6396:2008" is used to measure the value for an enclosed cab. The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.
- Hearing protection may be needed when the machine is operated
 with an open operator station for extended periods or in a noisy
 environment. Hearing protection may be needed when the machine
 is operated with a cab that is not properly maintained, or when
 the doors and windows are open for extended periods or in a noisy
 environment.
- The declared exterior sound power level is 113 dB(A) when the value is measured according to the dynamic test procedures and the conditions that are specified in "ISO 6395:2008." The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

ROPS/FOPS

- Rollover Protective Structure (ROPS) meets the following criteria: ISO 3471:2008.
- Falling Object Protective Structure (FOPS) meets the following criteria: ISO 3449:2005 Level II.

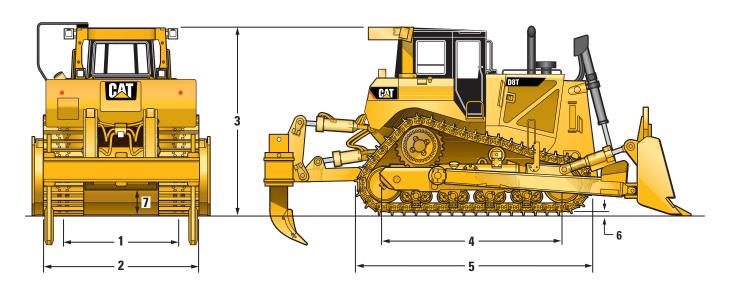
Brakes

 Crawler Machine Brake Requirements meets the following criteria: ISO 10265:2008.

^{*}Weight: Includes pump and operator controls.

Dimensions

All dimensions are approximate.



| · | Stan | dard | Non-Sus | pended | LGI | D * |
|---|---------|----------|---------|----------|---------|------------|
| 1 Track Gauge | 2083 mm | 82.0 in | 2083 mm | 82.0 in | 2337 mm | 92.0 in |
| 2 Width of Tractor | | | | | | |
| Over Trunnions | 3057 mm | 120.4 in | 3057 mm | 120.4 in | 3311 mm | 130.4 in |
| Without Trunnions (Standard shoe width) | 2693 mm | 106.0 in | 2693 mm | 106.0 in | 3302 mm | 130.0 in |
| 3 Machine Height**, from Tip of Grouser | | | | | | |
| Exhaust Stack | 3472 mm | 136.7 in | 3463 mm | 136.3 in | 3295 mm | 129.7 in |
| EROPS (to top of railing) | 3566 mm | 140.4 in | 3575 mm | 140.7 in | 3566 mm | 140.4 in |
| 4 Length of Track on Ground | 3206 mm | 126.2 in | 3258 mm | 128.3 in | 3206 mm | 126.2 in |
| 5 Length of Basic Tractor (tag link trunnion to tip of rear grouser) | 4647 mm | 183.0 in | 4647 mm | 183.0 in | 4647 mm | 183.0 in |
| With the 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 degrees) | 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 | 613 mm | 24.1 in |

^{*}Standard shoe width of D8T LGP with non-suspended undercarriage is 965 mm (38 in).

 $^{{\}tt **When \ Cat \ Grade \ Control \ 3D \ antennas \ are \ installed, overall \ machine \ height \ increases \ by \ approximately \ 82 \ mm/3.2 \ in.}$