

# D6N Track-Type Tractor Specifications

## Engine

|                            |                  |                        |
|----------------------------|------------------|------------------------|
| Engine Model               | Cat® C6.6 ACERT™ |                        |
| Flywheel Power             | 111.8 kW         | 150 hp                 |
| Net Power<br>– Caterpillar | 111.8 kW         | 150 hp                 |
| Net Power<br>– ISO 9249    | 111.8 kW         | 150 hp                 |
| Net Power<br>– SAE J1349   | 110.4 kW         | 148 hp                 |
| Net Power<br>– EU 80/1269  | 111.8 kW         | 150 hp                 |
| Bore                       | 105 mm           | 4.13 in                |
| Stroke                     | 127 mm           | 4.99 in                |
| Displacement               | 6.6 L            | 402.75 in <sup>3</sup> |

- Engine Ratings at 2200 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 3000 m (9,840 ft) altitude, beyond 3000 m (9,840 ft) automatic derating occurs.

## Transmission

|                               |           |             |
|-------------------------------|-----------|-------------|
| 1.5 Forward                   | 3.1 km/h  | 1.93 mph    |
| 2.0 Forward                   | 4.6 km/h  | 2.86 mph    |
| 2.5 Forward                   | 5.7 km/h  | 3.54 mph    |
| 3.0 Forward                   | 7.5 km/h  | 4.66 mph    |
| 3.5 Forward                   | 10 km/h   | 6.21 mph    |
| 1.5 Reverse                   | 3.1 km/h  | 1.93 mph    |
| 2.0 Reverse                   | 5.1 km/h  | 3.17 mph    |
| 2.5 Reverse                   | 6.4 km/h  | 4 mph       |
| 3.0 Reverse                   | 8.6 km/h  | 5.34 mph    |
| 3.5 Reverse                   | 11.6 km/h | 7.21 mph    |
| 1.5 Forward<br>– Drawbar Pull | 320 kN    | 71,939 lb   |
| 2.5 Forward<br>– Drawbar Pull | 175 kN    | 39,341.6 lb |
| 3.5 Forward<br>– Drawbar Pull | 97 kN     | 21,806.5 lb |

## Service Refill Capacities

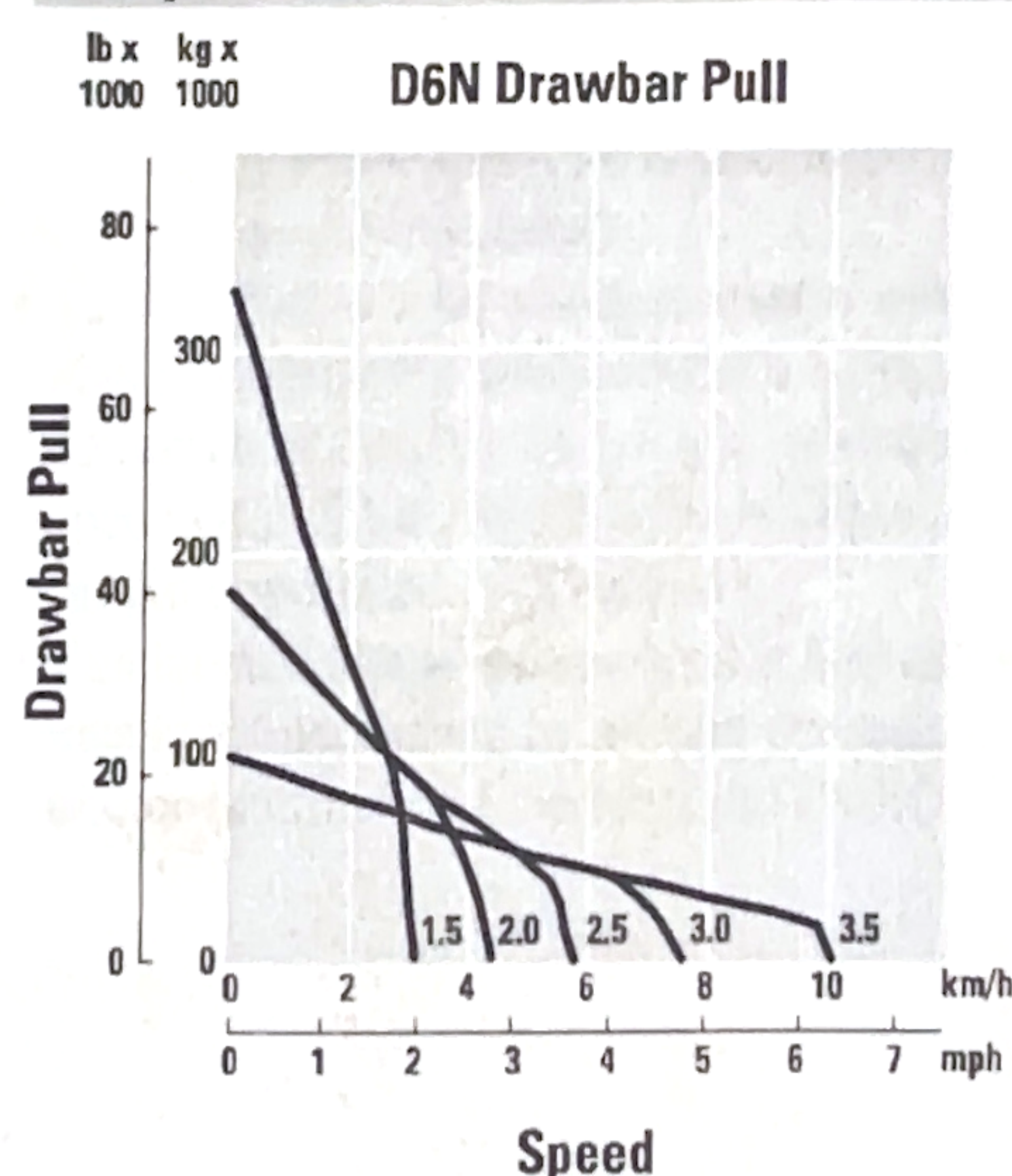
|                     |        |           |
|---------------------|--------|-----------|
| Fuel Tank           | 299 L  | 79 gal    |
| Cooling System      | 48 L   | 12.68 gal |
| Final Drives (each) | 8.5 L  | 2.25 gal  |
| Hydraulic Tank      | 29.5 L | 7.79 gal  |

## Weights

|                           |           |           |
|---------------------------|-----------|-----------|
| Operating Weight<br>– XL  | 16 668 kg | 36,670 lb |
| Operating Weight<br>– LGP | 17 997 kg | 39,593 lb |
| Shipping Weight<br>– XL   | 16 363 kg | 35,999 lb |
| Shipping Weight<br>– LGP  | 17 692 kg | 38,922 lb |

- Operating Weight: Includes EROPS, A/C, lights VPAT dozer, transmission, drawbar, engine enclosure, 3-valve hydraulics, 100% fuel, and Cat Comfort Series Air Suspension Seat and operator.
- Shipping Weight: Includes EROPS, A/C, lights VPAT dozer, transmission, drawbar, engine enclosure, 3-valve hydraulics, 5% fuel, and Cat Comfort Series Air Suspension Seat.

## Torque Rise



The direct injection electronic fuel system provides a controlled fuel delivery increase as the engine lugs back from rated speed. This results in increased horsepower below rated power. A combination of increased torque rise and maximum horsepower improves response, provides greater drawbar pull and faster dozing cycles.

## Undercarriage

|                              |                     |                       |
|------------------------------|---------------------|-----------------------|
| Width of Shoe – XL           | 610 mm              | 24.01 in              |
| Width of Shoe<br>– LGP       | 840 mm              | 33.07 in              |
| Shoes/Side – XL              | 40                  |                       |
| Shoes/Side – LGP             | 46                  |                       |
| Grouser Height – XL          | 66 mm               | 2.6 in                |
| Grouser Height<br>– LGP      | 57 mm               | 2.2 in                |
| Track Gauge – XL             | 1890 mm             | 74.4 in               |
| Track Gauge – LGP            | 2160 mm             | 85.03 in              |
| Track on Ground<br>– XL      | 2611 mm             | 102.8 in              |
| Track on Ground<br>– LGP     | 3113 mm             | 122.56 in             |
| Ground Contact<br>Area – XL  | 3.18 m <sup>2</sup> | 4,929 in <sup>2</sup> |
| Ground Contact<br>Area – LGP | 5.23 m <sup>2</sup> | 8,107 in <sup>2</sup> |
| Ground Pressure              | 51.6 kPa            | 7.48 psi              |
| Ground Pressure<br>– XL      | 52.3 kPa            | 7.59 psi              |
| Ground Pressure<br>– LGP     | 34.4 kPa            | 7.63 psi              |
| Track Rollers/Side<br>– XL   | 7                   |                       |
| Track Rollers/Side<br>– LGP  | 8                   |                       |

## Blades

|                              |                     |                      |
|------------------------------|---------------------|----------------------|
| Blade Type                   | VPAT, SU            |                      |
| XL SU –<br>Blade Width       | 3154 mm             | 10 ft 4 in           |
| XL VPAT –<br>Blade Capacity  | 3.18 m <sup>3</sup> | 4.16 yd <sup>3</sup> |
| XL VPAT<br>– Blade Width     | 3272 mm             | 10 ft 9 in           |
| XL SU –<br>Blade Capacity    | 4.28 m <sup>3</sup> | 5.6 yd <sup>3</sup>  |
| LGP VPAT –<br>Blade Capacity | 3.16 m <sup>3</sup> | 4.13 yd <sup>3</sup> |
| LGP VPAT<br>– Blade Width    | 4080 mm             | 13 ft 5 in           |



# D6N Track-Type Tractor Specifications

## Ripper

|                           |                               |         |
|---------------------------|-------------------------------|---------|
| Type                      | Fixed Parallelogram           |         |
| Number of Pockets         | 3                             |         |
| Overall Beam Width        | 2202 mm                       | 86.7 in |
| Beam Cross Section        | 216 × 254 mm<br>8.5 × 10.0 in |         |
| Maximum Penetration – XL  | 473.5 mm                      | 18.6 in |
| Maximum Penetration – LGP | 359.5 mm                      | 14.2 in |
| Each Additional Shank     | 78 kg                         | 172 lb  |

## Winch

|                                 |           |             |
|---------------------------------|-----------|-------------|
| Winch Model                     | PA55      |             |
| Weight*                         | 1276.5 kg | 2,814 lb    |
| Oil Capacity                    | 74 L      | 19.55 gal   |
| Winch and Bracket Length        | 1145 mm   | 45.1 in     |
| Winch Case Width                | 975 mm    | 38.4 in     |
| Drum Diameter                   | 254 mm    | 10 in       |
| Drum Width                      | 315 mm    | 12.4 in     |
| Flange Diameter                 | 504 mm    | 19.8 in     |
| Drum Capacity – 22 mm (0.88 in) | 88 m      | 288 ft 9 in |

• Slow and standard speed winches are available.

\* Weight: Includes pump, operator controls, oil, mounting brackets and spacers.

## Standards

### ROPS/FOPS

### Brakes

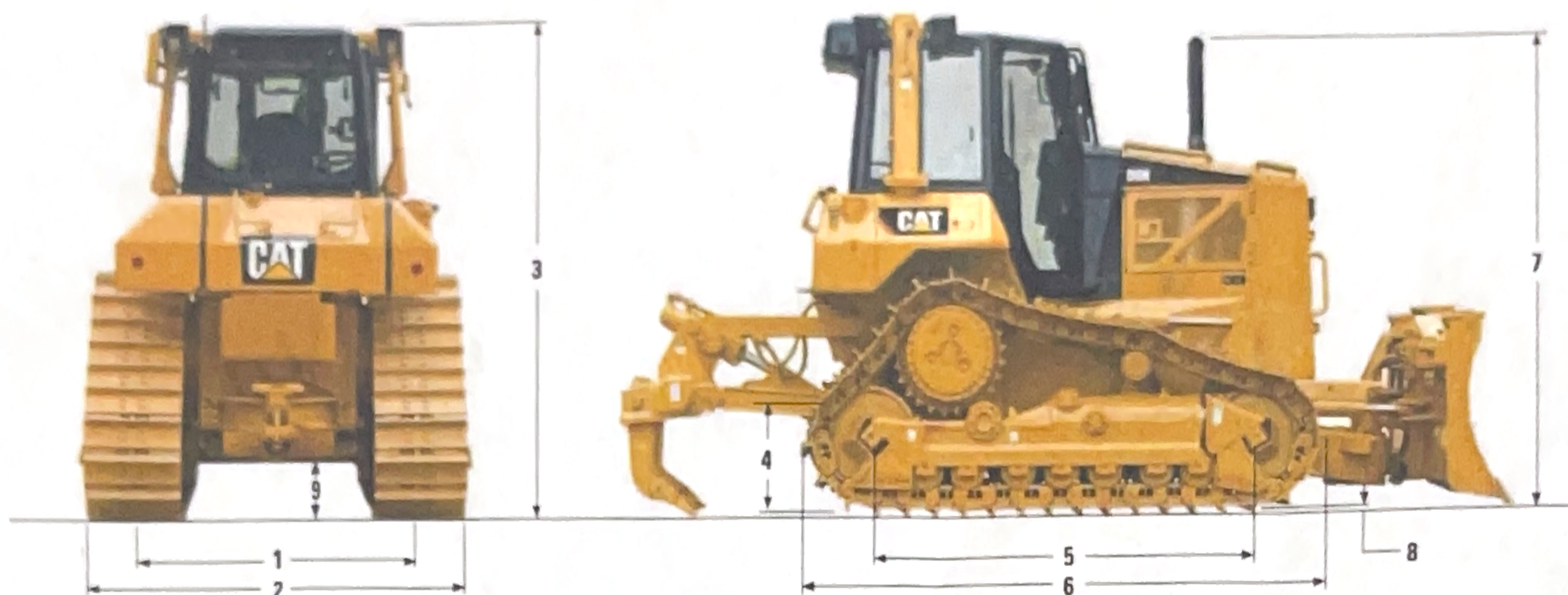
### Cab

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria SAE J1040 MAY94, ISO 3471:1994 and DLV criteria SAE J397B, ISO 3164:1995.
- FOPS (Falling Object Protective Structure) meets SAE J/ISO 3449 APR98 Level II, ISO 3449:1992 Level II and DLV criteria SAE J397B, ISO 3164:1995.
- Brakes meet the standard ISO 10265:1998.
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the work cycle procedures specified in ANSI/SAE J1166 OCT 98 is 83 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- The operator sound pressure level measured according to the procedures specified in ISO6394:2008 is 77 dB(A) for the cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection is recommended 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 the standard machine measured at a distance of 15 meters according to the test procedures specified in SAE J88 FEB 06, mid-gear-moving operation, is 81 dB(A).
- The labeled sound power level is 110 dB(A) measured according to the test procedure and conditions specified in 2000/14/EC.



## Dimensions

(approximate)



### Tractor Dimensions

|                                                              | XL      |          | LGP     |           |
|--------------------------------------------------------------|---------|----------|---------|-----------|
| 1 Track gauge                                                | 1890 mm | 74.4 in  | 2160 mm | 85 in     |
| 2 Width of tractor                                           |         |          |         |           |
| With the following attachments:                              |         |          |         |           |
| Standard shoes without blade                                 | 2500 mm | 98.4 in  | 3000 mm | 118 in    |
| Narrow shoes without blade                                   | 2450 mm | 96.5 in  | 2870 mm | 113 in    |
| Standard shoes with VPAT blade fully angled                  | 2972 mm | 117 in   | 3706 mm | 146 in    |
| 3 Machine height from tip of grouser:                        |         |          |         |           |
| With the following equipment:                                |         |          |         |           |
| ROPS canopy                                                  | 3040 mm | 119.7 in | 3144 mm | 123.8 in  |
| ROPS cab                                                     | 3095 mm | 121.9 in | 3200 mm | 126 in    |
| 4 Drawbar height (center of clevis)                          |         |          |         |           |
| From ground face of shoes                                    | 595 mm  | 22.2 in  | 710 mm  | 28 in     |
| 5 Length of track on ground                                  | 2611 mm | 102.8 in | 3113 mm | 122.56 in |
| 6 Length of basic tractor (with drawbar)                     | 3740 mm | 147.2 in | 4165 mm | 164 in    |
| With the following attachments, add to basic tractor length: |         |          |         |           |
| Ripper                                                       | 1026 mm | 40.4 in  | 1026 mm | 40.4 in   |
| PA55 winch                                                   | 381 mm  | 15 in    | 381 mm  | 15 in     |
| VPAT blades, straight                                        | 1163 mm | 45.8 in  | 1204 mm | 47.4 in   |
| VPAT blade, angled 25°                                       | 1787 mm | 70.4 in  | 2125 mm | 83.7 in   |
| SU blade                                                     | 1417 mm | 55.8 in  | —       | —         |
| 7 Height over stack from tip of grouser                      | 2979 mm | 117.3 in | 3083 mm | 121.4 in  |
| 8 Height of grouser                                          | 66 mm   | 2.6 in   | 57 mm   | 2.2 in    |
| 9 Ground clearance from ground face of shoe (per SAE J1234)  | 394 mm  | 15.5 in  | 507 mm  | 20.0 in   |