

D6R XL, D6R IG

Track-Type Tractor

Power, Angle, and
Tilt Blade Arrangement

CAT[®]



Supplement

NOTE: For standard specifications and features, refer to the standard Caterpillar[®] specalogs for these machines. Featured machines may include additional equipment applicable only for special applications. See your Caterpillar Dealer for available options.

| | XL | | IG | |
|---|---------------------|---------------------|---------------------|---------------------|
| Cat [®] 3306 Turbocharged Diesel Engine at Net Power | 130 kW | 175 hp | 138 kW | 185 hp |
| Actual Operating Weight | | | | |
| Differential Steering/CWT/Cab | 22 072 kg | 48,550 lb | 23 244 kg | 51,200 lb |
| Power, Angle, and Tilt Blade Capacity, up to: | 3.83 m ³ | 5.0 yd ³ | 4.05 m ³ | 5.3 yd ³ |

D6R XL, IG Track-Type Tractor PAT Blade

The factory-installed Power, Angle, and Tilt (PAT) Blade offers the operator more versatility in medium dozing and grading applications.

Applications

The D6R XL and the D6R IG with a PAT Blade are a perfect match for finish and rough grading, medium duty dozing, windrowing, backfilling, V-ditching, and slope work.

For applications such as rock, stumping, pioneering, and heavy duty dozing, the SU Blade should be used.

Versatility

The D6R XL and D6R IG Track-Type Tractor equipped with a PAT Blade offer the versatility to angle the blade 25 degrees for angle dozing applications. The tilting function of the PAT Blade offers the versatility for V-ditching applications.

The PAT Blade is designed for medium dozing and less severe applications. The SU Blade is the choice for high production earthmoving and land clearing.

Arrangements

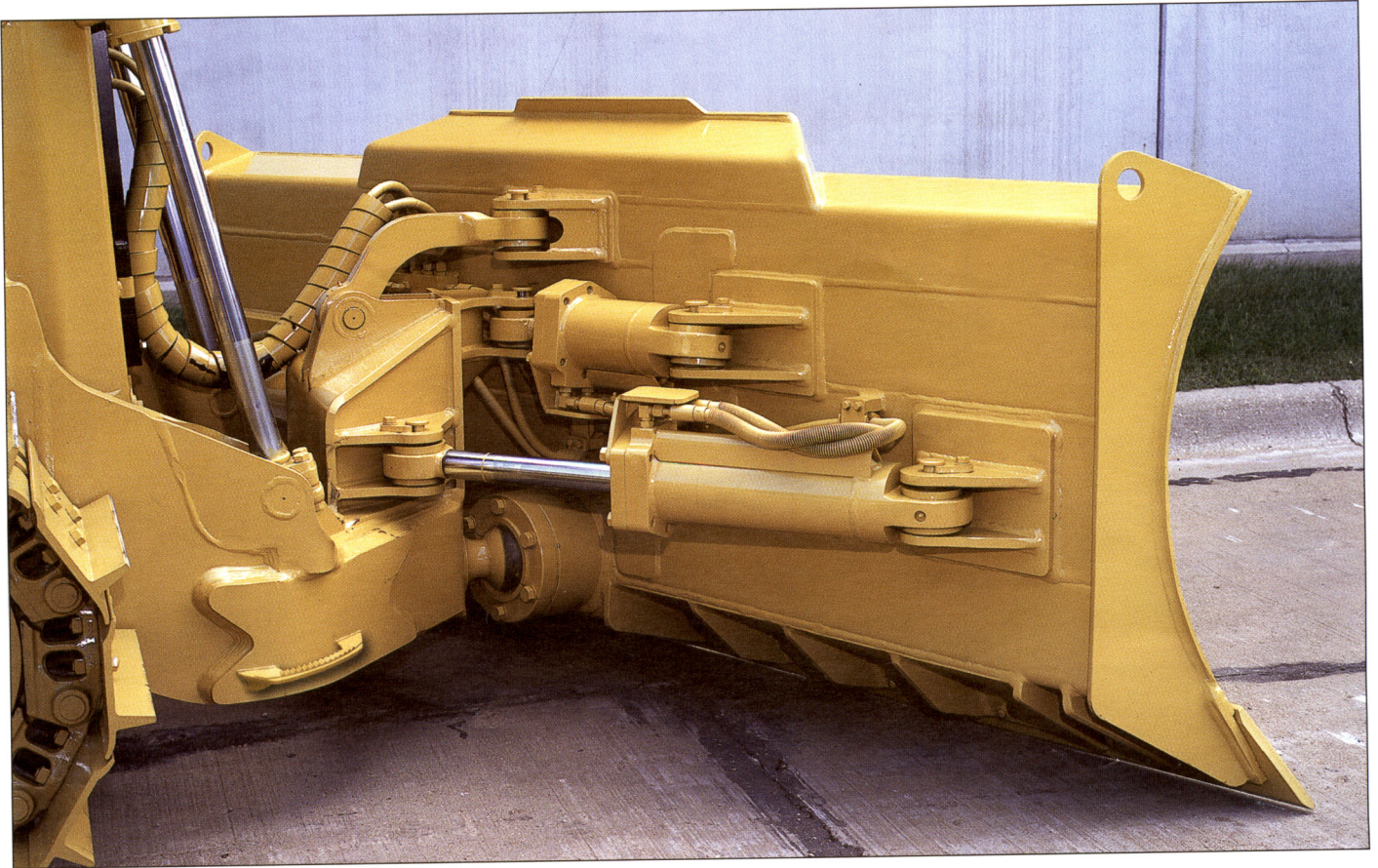
The D6R PAT Blade is available with differential steering and with either the Extra Length (XL), or Intermediate Gauge (IG) arrangements.

The XL arrangement delivers unmatched performance in general dozing applications. The XL tractor configuration extends the length of the tractor forward to provide a balanced platform for superior traction, blade control and stability for finish grading. The longer roller frame also improves flotation in soft underfoot conditions.

The IG arrangement helps to extend the working season of the tractor with more horsepower and wider track gauge. The IG Tractor Configuration uses a D6R XL as a base and widens the track gauge from 1880 mm (74 in) to 2030 mm (80 in). The wider gauge allows the use of wider track shoes which are ideal for very wet, but not swampy conditions. The IG arrangement also helps improve performance and versatility for finish grading.



Attachments



The Power, Angle and Tilt Blade arrangement for the D6R XL, IG is designed for optimal use with the following attachments or machine components.

Rear-mounted attachments are required to ensure optimum balance and performance.

- Ripper.
1566.3 kg 3450.0 lb
- Winch.
1194.0 kg 2630.0 lb
- Counterweights.
1253.0 kg 2760.0 lb

Track

To accommodate the C-Frame push arms, the following track shoes are required.

- XL
 - 22" MS (41 sec) Offset
 - 22" MS (41 sec) Offset Trapezoidal
 - 22" MS (41 sec) Offset RBT
- IG
 - 26" MS (41 sec)
 - 26" MS (41 sec) Trapezoidal
 - 28" MS (41 sec) Offset

D6R XL, IG Track-Type Tractor Power, Angle, and Tilt Blade Dimensions

(approximate)

| Tractor Dimensions with blade | XL PAT | | IG PAT | | XL SU | |
|--|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| | mm | ft/in | mm | ft/in | mm | ft/in |
| A Track gauge | 1880 | 74" | 2032 | 80" | 1880 | 74" |
| B Width of tractor | | | | | | |
| Over trunnions | — | — | — | — | 2640 | 8' 8" |
| Without trunnions (std. shoe) | 2489 | 8' 2" | 2692 | 8' 10" | 2440 | 8' 0" |
| C Machine height from tip of grouser: | | | | | | |
| Stack | 3094 | 10' 2" | 3094 | 10' 2" | 3094 | 10' 2" |
| ROPS | 3195 | 10' 6" | 3195 | 10' 6" | 3195 | 10' 6" |
| D Drawbar height | | | | | | |
| from ground face of shoe | 576 | 23" | 576 | 23" | 576 | 23" |
| E Length of track on ground | 2821 | 9' 3" | 2821 | 9' 3" | 2821 | 9' 3" |
| F Length of basic tractor | 3860 | 12' 8" | 3860 | 12' 8" | 3860 | 12' 8" |
| With following attachments, add to basic tractor length: | | | | | | |
| Drawbar | 217 | 8.5" | 217 | 8.5" | 217 | 8.5" |
| Ripper (with tip at ground line) | 1403 | 55.2" | 1403 | 55.2" | 1403 | 55.2" |
| Winch | 517 | 20.4" | 517 | 20.4" | 517 | 20.4" |
| G Blade dimensions | | | | | | |
| Width | 3619.5 | 142.5" | 3794.2 | 149.4" | 3260 | 128" |
| Height | 1207.2 | 47.5" | 1207.2 | 47.5" | 1412 | 56" |
| Angle | | 25° | | 25° | | — |
| Weight of blade and C-frame | 3246 kg | 7150 lb | 3314kg | 7300lb | 2973 kg | 6555 lb |
| (PAT blade only) | 1343 kg | 2960 lb | 1385kg | 3050 lb | | |
| Lift above ground | 1180.7 | 46.5" | 1180.7 | 46.5" | 1104 | 43.5" |
| Digging depth | 732.4 | 28.8" | 732.4 | 28.8" | 459 | 18.1" |
| Full width angled | 3288.1 | 129.4" | 3439 | 135.4 | — | — |
| Blade capacity SAE LCY | 3.83 m ³ | 5.0 yd ³ | 4.05 m ³ | 5.3 yd ³ | 5.61 m ³ | 7.3 yd ³ |
| H Height of grouser | 65 | 2.6" | 65 | 2.6" | 65 | 2.6" |
| I Ground clearance | 383 | 14.8" | 383 | 14.8" | 383 | 14.8" |
| Track pitch | 203 | 8.0" | 203 | 8.0" | 203 | 8.0" |
| Number of shoes per side | | 41 | | 41 | | 41 |
| Number of rollers per side | | 7 | | 7 | | 7 |
| Track shoe* | 560 | 22" | 660 | 26" | 560 | 22" |
| Ground contact area | 3.16 m ² | 4888 in ² | 3.73 m ² | 5772 in ² | 3.16 m ² | 4888 in ² |
| Ground pressure (psi)* | | 9.94 | | 8.86 | | 8.65 |

*IG Track shoe 710 mm (28 in) offset has 8.23 ground pressure

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Materials and specifications are subject to change without notice.
Featured machines in photos may include additional equipment.
See your Caterpillar Dealer for available options.

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