



D6H SERIES II

TRACK-TYPE TRACTOR

- **Exclusive differential steer (optional)** — continuous power to both tracks for efficient control.
- **Exceptional performance** — unequalled traction and balance — high lugging power to build bigger loads faster.
- **Reliable/durable** — built to withstand severe working conditions.
- **Easy maintenance and repair** — fast daily checks, modular components reduce downtime.
- **Operating ease** — efficient, comfortable work environment.
- **Total Customer Support System** — unmatched in the industry!

Cat® 3306 turbocharged diesel Engine

Gross power	133 kW/179 HP
Flywheel power	123 kW/165 HP
Operating weight	17 724 kg/39,075 lb
Blade capacity	5.61 m ³ /7.34 yd ³

Featured machines may include additional equipment applicable only for special applications. See your authorized Caterpillar dealer for available options.



Series II

Features maximize durability, reliability and productivity of the machine.

■ **Dual twist tiller control** provides easy, efficient operation on units equipped with differential steering by integrating steering, directional changes and gear selection functions all into one control. This new control offers ease of operation and increased productivity.

■ **Load-sensing hydraulic system** with a variable-displacement piston pump senses implement load and adjusts flow rate accordingly.

■ **Fully adjustable seat** for greater operator comfort and productivity.

- Three-position cushion tilt.
- Seven-position fore/aft adjustment for added leg comfort.
- Adjustable seat height.
- Adjustable seat back angle with removable upper back support.
- Adjustable armrest mounted on seat frame moves with seat adjustment.

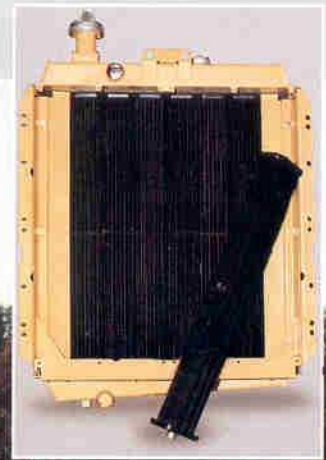


- **Open-ROPS heater option** with two-speed blower fan provides approximately 13 356 kCal/53,000 BTUs for added operator comfort in cold weather.



- **New rigid shear track seals** provide excellent sealing and long wet track joint life.
- **Remote lube point for center equalizer bar pin** provides easy access for efficient maintenance of a routine service point.

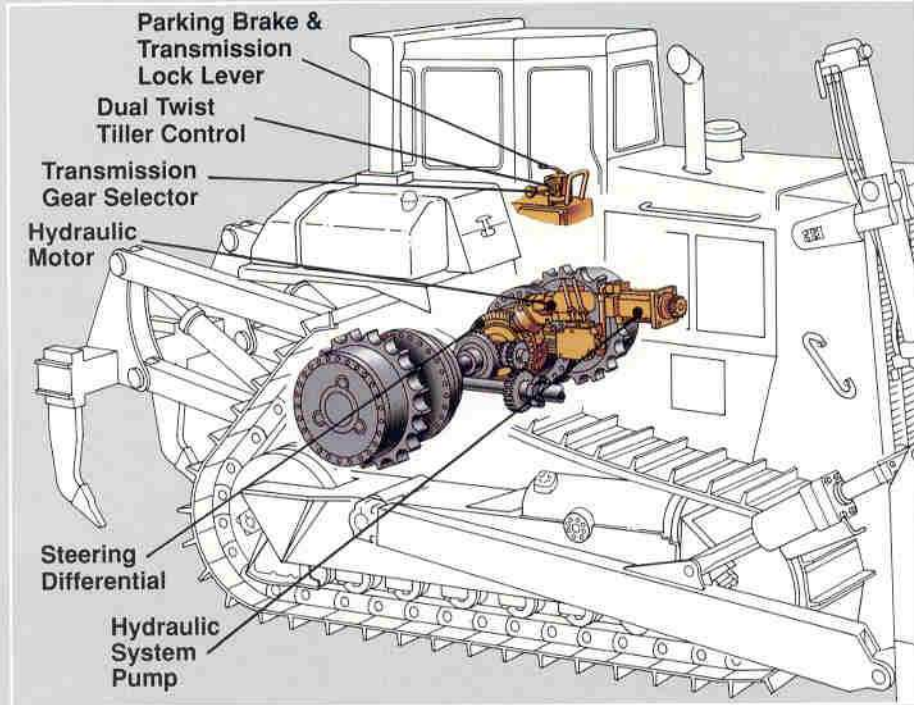
- **Multi-row module radiator** allows more air flow due to reduced fin density, decreasing the susceptibility to plugging by dust, fibrous or fluffy material. The modular design offers easy servicing, lower repair costs and less downtime.



Differential Steering

Drives through every turn with full power to both tracks for bigger loads at higher speeds. (Optional — power shift arrangement only)

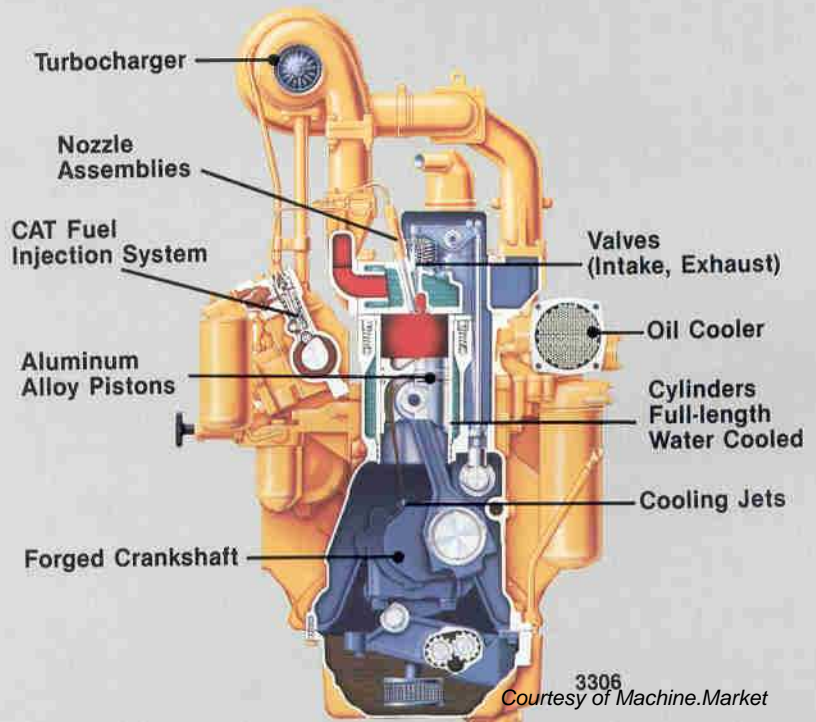
- **Uninterrupted power** directed to both tracks through hydraulically actuated planetary differential.
- **Turns accomplished** by speeding up one track, while equally slowing the other — speed difference turns tractor.
- **Operator maintains** smooth, precise turning with one lever.
- **Provides excellent steering control in tight areas**, near structures, or when following grade stakes or finished ground contours.
- **Greater load, power and speed control** where the underfooting is soft or sloppy, because both tracks drive to maintain traction.
- **Faster cycles** due to quick forward/reverse response, steering/directional control.



Caterpillar® Diesel Engine

Reliable...durable...efficient!

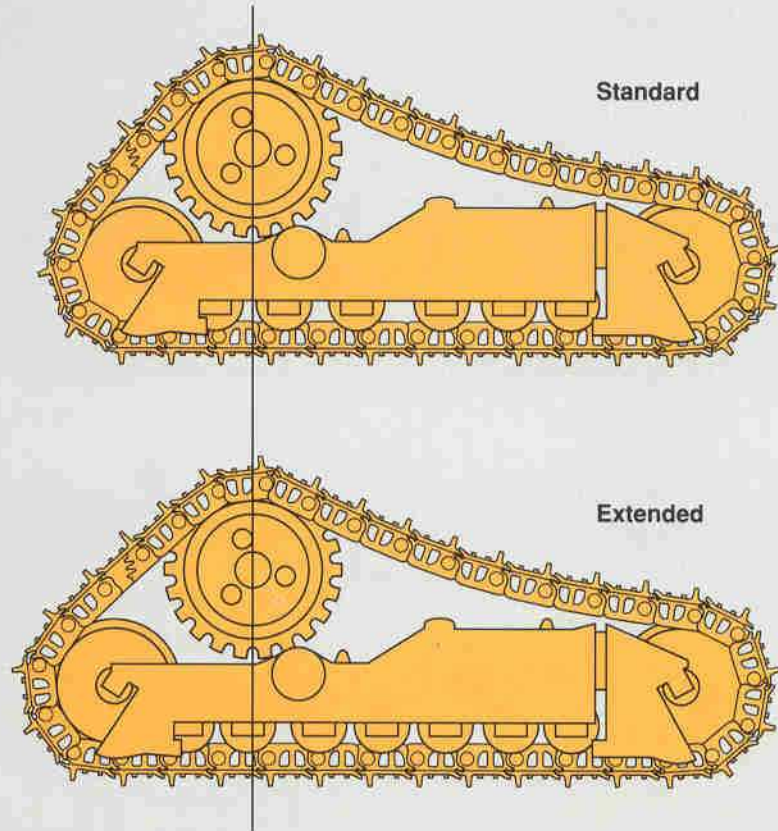
- **Turbocharged 3306 diesel engine** delivers plenty of power for quick response, big loads.
- **Large displacement**, high torque rise and low RPM rating for low stress, long life.
- **High torque rise** offers superior lugging — keep moving through tough spots without downshifting.
- **Direct fuel injection** precisely meters fuel for maximum productivity per unit of fuel.
- **Good weight-to-horsepower ratio** — faster loading, bigger loads, shorter cycle times.
- **Quick, easy service access** and inspection.



Elevated Sprocket Undercarriage

Caterpillar's elevated sprocket tractors set the standard in traction, durability and ride.

- **Final drives and associated power train components** raised above the work area... isolating them from ground-induced impact loads, as well as implement and roller frame alignment loads — extends power train component life.
- **Wide track gauge**, long track on ground provides a balanced platform for superior traction, dozer control and side slope stability for finish grading.
- **Machine balanced** for high dozer production.
- **Ample track to the rear** counter-balances weight forward, increases traction, assures high dozing forces.
- **The extended roller frame's "weight forward" balance** with additional track to the rear means it's built to excel in skidding or other drawbar applications.



Work Tools

Caterpillar work tools include tailored dozers, rippers and winches for efficient, high production.

Blades

- **Choice of S, SU and A blades** for optimum job "match-up".
- **High blade heel clearance** and sharp cutting edge angle (S, SU blades) — penetrates tough material easily.
- **Cat moldboard profile on SU blades** loads easily, retains load.
- **L-shaped push arms** (S, SU) allow blades to be mounted closer to front of unit...higher penetration forces for larger blade loads and excellent maneuverability.
- **The A blade** is mounted to a C-frame, using a pinned connection — permits any combination of blade angling and tilting, left or right.

Ripper

- **Multi-shank parallelogram ripper** lets you choose up to three shanks, depending on job conditions.
- **Caterpillar design** allows the operator to see the ripper tip — provides ample throat clearance and significantly high penetration and pryout forces.

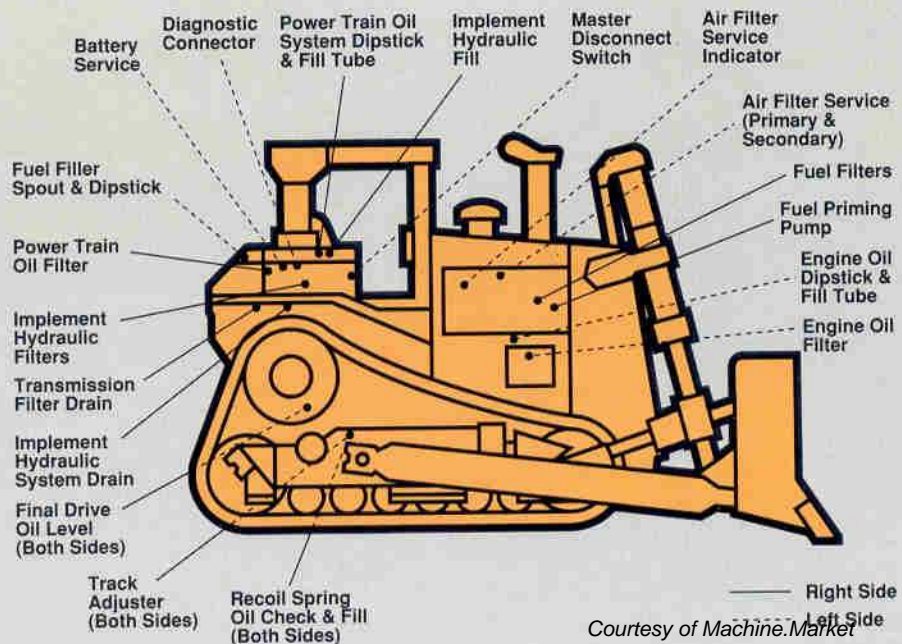
Winch

- **Single lever** controls all winch functions — actuates both clutch and brake to improve operator efficiency.
- **Input clutches on engine PTO shaft** reduce engine horsepower losses, provide fuel efficiency — economy.
- **Clutch engagement and brake release** are automatically synchronized for smooth operation.
- **Winch components** can be serviced with winch mounted on tractor.

Service

Cat's modular design concept moves the elevated sprocket tractors a generation ahead in simplified service and repair.

- **Major components** are easily accessible, removable as single units.
- **Modular design** permits fast removal, installation.
- **Pre-testing modular components** before installation or after repair assures quality.
- **Grouped service points**, easy access to service areas make routine checks fast, convenient — remote lube point for center equalizer bar pin.
- **Diagnostic connector** for special dealer tool enables fast troubleshooting of starting and charging problems.



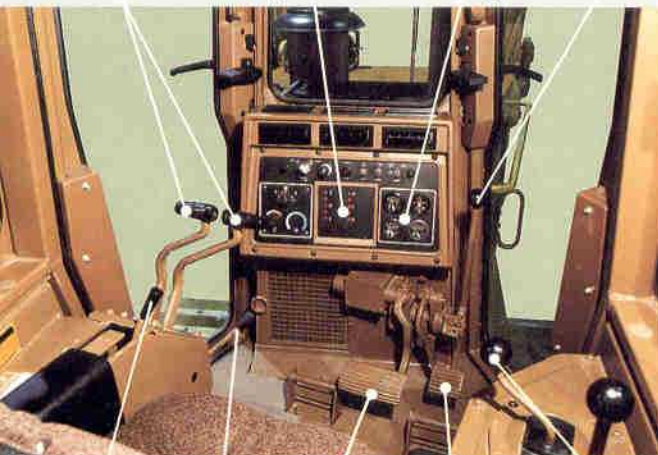
Operator's Station

Comfort and convenience designed into the control station for an efficient and productive operator.

- **Isolation-mounted cab** (optional), with air pressurizer and heater, reduces noise and vibration for shift-long comfort.
- **Easily accessible, low-effort controls** provide sure, precise maneuvering, less operator fatigue.
- **Fully adjustable suspension seat** angled 15° to right, tapered fuel tank and hood allow exceptional front and rear visibility.
- **Instrument panel** includes standard gauge group and Electronic Monitoring System (EMS) for monitoring critical machine functions.
- **Dual twist tiller control** provides easy, efficient operation on units equipped with differential steering by integrating steering, directional changes and gear selection functions all into one control. This new control offers ease of operation and increased productivity.

Cab with steering clutches and brakes

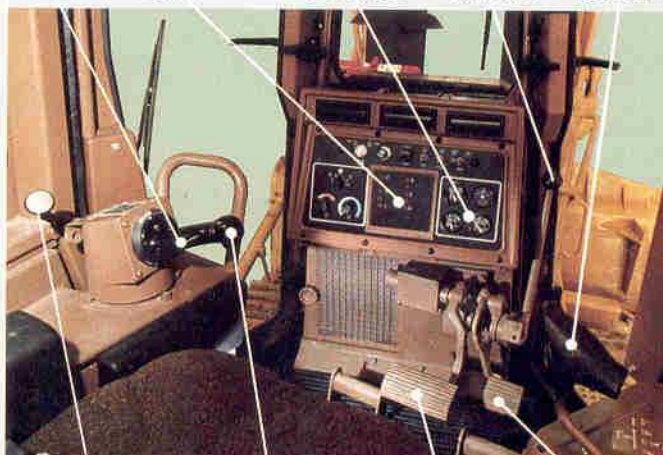
Steering Clutch/
Brake Levers Electronic
Monitoring
System Gauge
Package Throttle



Transmission
Gear Selector Parking
Brake Service
Brake
Pedal Decelerator
Pedal Dozer
Control

Cab with differential steering

Dual
Twist
Control Electronic
Monitoring
System Gauge
Package Throttle Dozer
Control



Parking Brake &
Transmission
Lock Lever Transmission
Gear Selector Service
Brake
Pedal Decelerator
Pedal

Total Customer Support

Unmatched in the industry!

- **Parts availability** — Most Cat parts are immediately available off the shelf. Dealer parts availability is backed by Cat's computer-controlled, emergency search system.
- **Service Capability** — Whether in the dealer's fully equipped shop or in the field, you'll get trained service people using the latest technology and tools.
- **Machine management services** — Cat dealers help manage equipment investments with:
 - Custom Track Service.
 - Effective preventive maintenance programs.
 - Diagnostic programs like Scheduled Oil Sampling and Technical Analysis.
 - Information to make the most cost-effective repair option decisions.
 - Customer meetings, training for operators and mechanics.
- **Exchange components for quick repairs** — low-cost components assure maximum, cost-effective uptime.
- **Literature support** — Easy-to-use operation and maintenance guide helps you get the full value out of your equipment investment.



Caterpillar Engine

Gross power*.....133 kW/179 HP
Flywheel power*.....123 kW/165 HP

(Kilowatts (kW) is the International System of Units equivalent of horsepower.)

Net power at the flywheel of the vehicle engine is based on SAE J1349 standard conditions of 25°C/77°F and 100 kPa/29.61" Hg. Power is based on using 35° API (15.6°C/60°F) gravity fuel having an LHV of 42 780 kJ/kg/18,390 Btu/lb when used at 29.4°C/85°F and with a density of 838.9 g/L/7.001 lb/U.S. gal. Power rating is adjusted for vehicle equipped with fan, air cleaner, water pump, fuel pump, muffler and lubricating oil pump. No derating is required up to 2300 m/7500 ft. altitude.

These additional ratings also apply.*

ISO 1585.....133.0 kW/179.0 HP
ISO 3046-1.....131.4 kW/176.2 HP
EEC 80/1269133.0 kW/179.0 HP

* At 1800 RPM for machine equipped with steering clutches and brakes (power shift or direct drive). At 1900 RPM for machine equipped with differential steering (power shift only).

Caterpillar four-stroke-cycle, turbocharged 3306 diesel engine with six cylinders, 121 mm/4.75" bore, 152 mm/6.0" stroke and 10.5 liters/638 in³ displacement.

Direct-injection, Caterpillar fuel system with individual, adjustment-free injection pumps and valves. Stellite-faced valves, hard alloy-steel seats, valve rotators.

Cam-ground and tapered, aluminum-alloy pistons have three rings each and are cooled by oil spray. Steel-backed, copper-bonded aluminum bearings, through-hardened crankshaft journals. Pressure lubrication with full-flow filtered and cooled oil. Dry-type air cleaner with primary and secondary elements.

Direct-electric, 24-volt starting system – includes ether starting aid. Heavy-duty batteries and engine coolant heater are also available separately for cold weather starting.



Brakes

Single pedal simultaneously applies brakes to both tracks for service or emergency stops. Machine will not move with parking brake applied. A manually operated service tool is available to allow in-seat brake release, in absence of control system pressure, for towing.



Final Drives

Single-reduction, planetary final drives spread the torque loads over three gears instead of one. Modular design greatly reduces the time required for removal. The elevated design isolates the final drives from ground-induced impact loads for long service life.



Steering

Steering clutches and brakes – Hydraulically released, spring-applied, multiple-disc brakes and hydraulically applied steering clutches are cooled by pressurized oil and require no adjustment. Each assembly serviceable as a unit.

Hand levers combine steering clutch disengagement and braking in one control for each track. Pull back slightly to disengage steering clutches, fully back to brake track.

Differential steer (optional) – Differential steering system provides continuous power to both tracks even in tight turns. Steering feature powered by a steering differential, hydraulic pump, motor and controls. Single steering tiller controls all direction movement. Twist grip controls forward/reverse direction. Moving tiller forward results in left hand turn when moving forward, right turn in reverse. Moving tiller towards operator results in right hand turn moving forward, left reverse. Speed selection is accomplished by rotating the dial switch located on the end of the tiller control to desired speed. Counter-rotation possible with transmission in neutral.



Hydraulic Controls

Complete load-sensing system consists of pump, tank, filter, valves, lines and linkage, and control valves. Pressure-compensated controls take most of the effort out of operating the ripper and dozer/tilt control levers.

Pump capacity at 6895 kPa/69 bar/1000 psi:

Piston-type (steering clutches and brakes).....	177 liters/min/46.7 gpm
Piston-type (differential steer).....	196 liters/min/51.8 gpm
RPM at rated engine speed:	
Steering clutches and brakes.....	1912
Differential steer.....	2019
Tilt cylinder flow.....	80 liters/min/21.1 gpm
Relief valve settings:	
Bulldozer.....	19 800 kPa/198 bar/2871 psi
Tilt cylinder.....	19 800 kPa/198 bar/2871 psi
Ripper (standard tractor only).....	19 800 kPa/198 bar/2871 psi
Drive.....	geared from engine flywheel



Transmission

Power Shift

Planetary-type with 345 mm/13.6" diameter, high torque-capacity oil clutches. Special modulation system permits fast speed and direction changes. Single-stage torque converter with output torque divider. Connected to transmission by double universal joint for unit construction to provide servicing ease. Modular transmission and bevel gear plug into rear of main drive case and can be exchanged with ripper installed.

Travel Speeds (steering clutches and brakes, and differential steer)

	1st	2nd	3rd
Forward, Km/h	3.8	6.5	11.3
MPH	2.4	4.0	7.0
Reverse, Km/h	4.8	8.4	14.4
MPH	3.0	5.2	8.9

Direct Drive

(steering clutches and brakes only)
Constant-mesh, sliding-collar countershaft transmission, with six speeds forward and reverse, enabling the operator to match tractor speed and drawbar pull more closely to job requirements.

Helical gears in the sliding collar transmission are in constant mesh. The curvature of the gears allow two teeth to be in contact at all times, sharing the loads. Helical gears also mesh more smoothly for quiet operation.

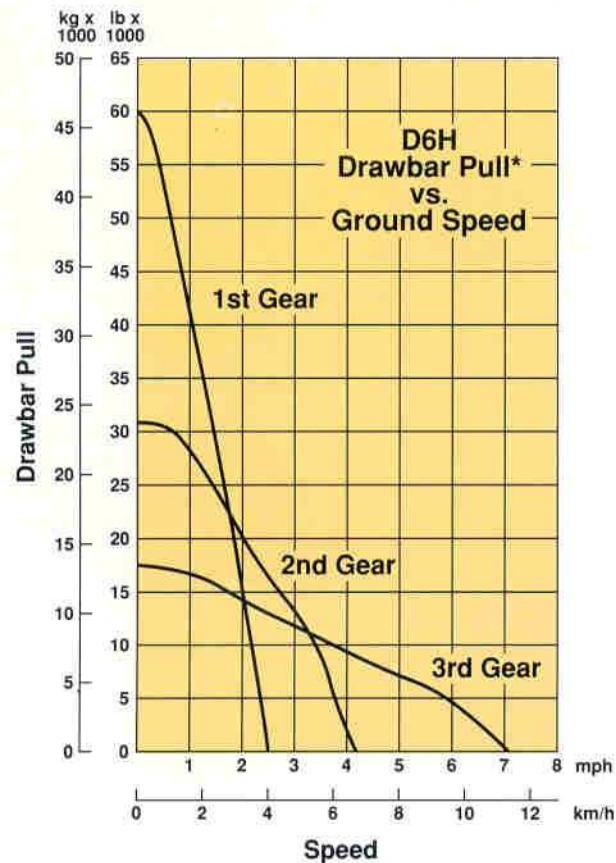
Master clutch has four plates. Clutch lubricated and cooled by pressure-circulated oil. Clutch is hydraulically actuated and requires no adjustment.

Direct drive speeds and drawbar pulls:

Gear	Forward		Reverse		Drawbar Pull, forward*			
					At rated RPM		Max. at lug	
	Km/h	MPH	Km/h	MPH	kg	lb	kg	lb
1	2.7	1.7	3.3	2.1	12 500	27,557	16 220	35,758
2	3.5	2.2	4.3	2.7	9520	20,988	12 410	27,359
3	4.6	2.9	5.6	3.5	7140	15,741	9370	20,657
4	5.8	3.6	7.1	4.4	5440	11,993	7200	15,873
5	7.6	4.7	9.2	5.7	4010	8840	5300	11,684
6	10.0	6.2	12.2	7.6	2820	6217	3840	8466

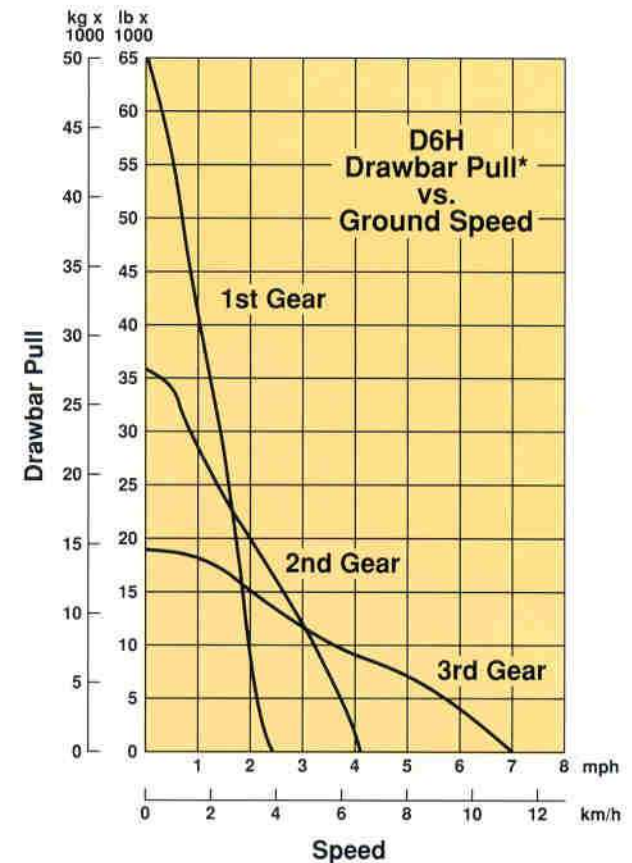
*Usable pull will depend on weight and traction of equipped tractor.

Steering Clutches and Brakes (Power Shift)



*Usable pull will depend on weight and traction of equipped tractor.

Differential Steer (Optional)



*Usable pull will depend on weight and traction of equipped tractor.

SPECIFICATIONS



Track Roller Frames

Standard – tubular design to resist torsional loads. Lifetime Lubricated rollers and idlers are directly mounted to roller frame.

Oscillating roller frames attach to tractor by a pivot shaft and fully pinned equalizer bar. Large pivot bushings operate in an oil reservoir.

Equalizer bar saddle connection is a low-friction, no-maintenance bushing. Recoil system is fully sealed and lubricated.

Extended – track roller frame is extended to the rear – provides 152 mm/6.0" more track on the ground. Ideal for drawbar or winch applications. Includes end track guiding guards.

Undercarriage	Standard	Extended
Oscillation (front idlers at gauge line)	139 mm/5.5"	147 mm/5.8"
Number of rollers (each side).....	6	7
Number of shoes (each side)	39	40
Width of standard shoe	560 mm/22"	—
Width of optional shoes	510 mm/20" 610 mm/24"	510 mm/20" 560 mm/22" 610 mm/24"
extreme service shoes	510 mm/20" 560 mm/22"	510 mm/20" 560 mm/22"
Length of track on ground	2629 mm/103.5"	2781 mm/109.5"
Track gauge.....	1880 mm/74"	1880 mm/74"
Ground contact area of the following shoe widths.....		
510 mm/20"	2.67 m ² /4140 in ²	2.82 m ² /4380 in ²
560 mm/22"	2.94 m ² /4564 in ²	3.10 m ² /4804 in ²
610 mm/24"	3.21 m ² /4971 in ²	3.39 m ² /5253 in ²
Ground pressures of the following shoe widths.....		
510 mm/20"	0.66 kg/cm ² /9.44 psi	0.63 kg/cm ² /9.00 psi
560 mm/22"	0.60 kg/cm ² /8.56 psi	0.58 kg/cm ² /8.21 psi
610 mm/24"	0.55 kg/cm ² /7.86 psi	0.53 kg/cm ² /7.51 psi

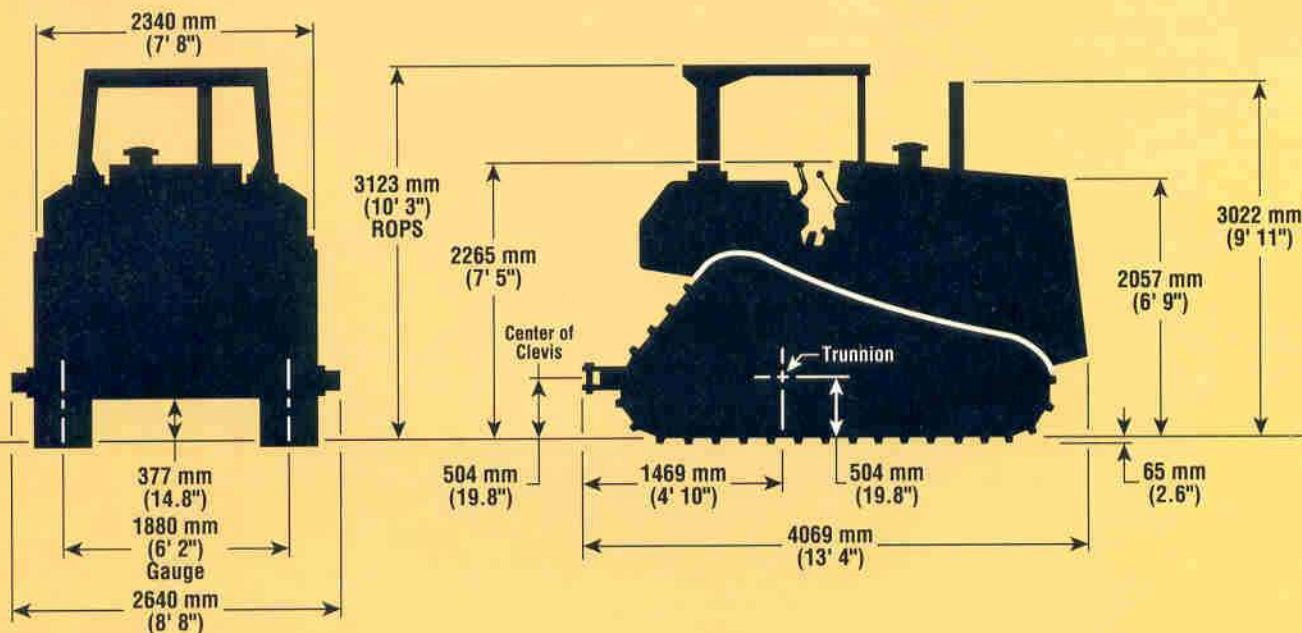


Dimensions (approximate)

Ground clearance, from ground face of shoe per SAE J1234 JAN85.....	377 mm/14.8"
Drawbar height (center of clevis) from ground face of shoe.....	504 mm/19.8"

With following attachments, add to basic tractor length

(including drawbar) of.....	4069 mm/13'4"
SU Blade.....	1219 mm/4'0"
S Blade.....	945 mm/3'1"
A Blade.....	1153 mm/3'9"
Ripper with tip at ground line.....	1186 mm/3'11"
Winch.....	207 mm/8.1"



Sealed and Lubricated Track

Sealed and Lubricated Track surrounds the track pin with lubricant to virtually eliminate internal pin and bushing wear. Lubricant is held in place by sealing arrangement consisting of a rigid shear seal, a rubber load ring and a thrust ring. Additional lubricant is contained in a reservoir drilled into the track pin. Extends undercarriage maintenance intervals and reduces costs. Hydraulic track adjusters and two-piece master link standard.

Pivot Shaft and Equalizer Bar

The D6H employs a pivot shaft and pinned equalizer bar oscillation system. The pivot shaft transmits ground impact loads directly to the main frame rather than through the power train components. The pinned equalizer bar keeps track roller frames in proper alignment. The D6H design has excellent ground clearance and provides a smooth underside to prevent collection of mud and debris.

SPECIFICATIONS



ROPS

ROPS Canopy is required in U.S.A. ROPS (Rollover Protection Structures) offered by Caterpillar for this machine meet ROPS criteria SAE J395, SAE J1040 APR88 and ISO 3471-1986. They also meet FOPS (Falling Object Protective Structure) criteria SAE J231 JAN81 and ISO 3449-1984.



Cab

Cab offered by Caterpillar, when properly installed and tested with doors and windows closed according to ANSI/SAE J1166 JUL87, meets OSHA and MSHA requirements for operator sound exposure limits in effect at the time of manufacture.



Ripper

Rugged parallelogram design maintains constant tip angle for easy penetration and high production ripping. Socket beam design means easy servicing. Multi-shank ripper lets you choose one, two or three shanks, depending on job conditions.

Beam width	2202 mm/86.7"
Beam cross section.....	216 mm x 254 mm/8.5" x 10"
Maximum penetration	500 mm/19.7"
Maximum clearance raised	
(shank tip)	511 mm/20.1"
Number of pockets	3
Maximum penetration force.....	6603 kg/14,557 lb
Maximum pryout force	9134 kg/20,137 lb
Weight:	
With one shank	1606 kg/3541 lb
Each additional shank.....	74 kg/163 lb



Service Refill Capacities

	Liters	U.S. Gallons
Fuel Tank	337	89
Cooling System.....	38	10
Lubricating Systems:		
Diesel engine crankcase.....	27.5	7.3
Power train oil system	144	38
Final drives (each)	13.2	3.5
Hydraulic System (tank only)		
Steering clutches and brakes	47.3	12.5
Differential steer.....	45.4	12



Winch

Weight	1227 kg/2705 lb
Winch length.....	1073 mm/42.25"
Winch case width	1067 mm/42.0"
Flange diameter	495 mm/19.5"
Drum width	298 mm/11.75"
Drum diameter.....	260 mm/10.25"
Cable size:	
Recommended	22 mm/0.88"
Optional.....	25 mm/1.0"
Drum capacity:	
Recommended cable	76 m/249'
Optional cable.....	59 m/193'
Oil capacity	52 L/13.8 gal
Cable/ferrule sizes	
(OD x length)	54 mm x 67 mm/2.12" x 2.63"



Weight (approximate)

Shipping (includes lubricants, coolant, ROPS canopy, hydraulic controls and 10% fuel.)

	Standard	Extended
Track shoes	560 mm/22"	560 mm/22"
Power shift*	14 629 kg/32,250 lb	14 855 kg/32,750 lb
Power shift**	14 742 kg/32,500 lb	14 969 kg/33,000 lb
Direct drive	14 669 kg/32,340 lb	14 896 kg/32,840 lb

Operating (includes lubricants, coolant, full fuel tank, blade with tilt cylinder, shoes, ROPS canopy, full track roller guards, hydraulic controls and operator.)

	Standard	Extended
Blade	6SU	6SU
Power shift*	17 724 kg/39,075 lb	17 951 kg/39,575 lb
Power shift**	17 838 kg/39,325 lb	18 065 kg/39,825 lb
Direct drive	17 768 kg/39,170 lb	17 994 kg/39,670 lb

* steering clutches and brakes

** differential steer

Courtesy of Machine.Market

Bulldozer Specifications

Blade	Blade Capacity (SAE J1265)		Blade Width (over end bits)		Blade Height		Digging Depth		Ground Clearance		Maximum Tilt		Weight (Without Hyd. controls)		Total Operating Weight* (with blade)	
	m ³	yd ³	mm	ft. in.	mm	ft. in.	mm	in.	mm	ft. in.	mm	in.	kg	lb	kg	lb
6S	3.89	5.09	3355	11'0"	1257	4'1.5"	473	18.6	1104	3'7.5"	764	30.1	2488	5484	17 548	38,687
6SU.....	5.61	7.34	3262	10'8.4"	1411	4'7.5"	473	18.6	1104	3'7.5"	743	29.3	2612	5759	17 724	39,075
6A:																
Straight	3.18	4.16	4161	13'7.8"	1033	3'4.7"	506	19.9	1141	3'8.9"	408	16.1	2677	5902	17 901	39,465
Angled 25°...	—	—	3778	12'4.7"	1033	3'4.7"	506	19.9	1392	4'6.8"	408	16.1	2677	5902	17 901	39,465

* Operating weight includes power shift (steering clutches and brakes) arrangement, lubricants, coolant, full fuel tank, hydraulic controls, blade tilt cylinder, ROPS canopy, drawbar, 560 mm/22" shoes.





Optional Equipment

(with approximate change in operating weights*)

	Kg	Lb		Kg	Lb
Air conditioner	127	279	Heater, canopy ROPS	36	80
Batteries, heavy-duty	57	125	Hydraulic controls (three valves, for 6S, 6SU or 6A bulldozer, hydraulic tilt cylinder and ripper).....	37	81
Blades	(see page 13)		Lighting system, four lights	11	25
Cab, ROPS, sound suppressed (includes air pressurizer, heater, air filter, front and rear windshield wipers and washers, and key locks.....	383	843	Prescreener	3	6
Canopy, ROPS, removed (standard in U.S.A.).....	-376	-829	Radiator core protector grid	20	45
Counterweight	1417	3123	Ripper, includes one tooth	1499	3298
Decelerator (direct drive only)	4	8	Screen, rear, for cab or canopy	57	125
Differential steering system.....	52	115	Sound suppression, spectator (EEC Phase I)	111	244
Drawbar:			Sweeps, logging, canopy or cab	354	779
Rigid, for use with standard roller frame	106	234	Tilt cylinders, hydraulic, for 6A bulldozer	257	565
Rigid, for use with extended roller frame	100	220	Tracks, pair, Sealed and Lubricated: Standard roller frame only (39 section)		
Engine coolant heater.....	1	3	510 mm/20"	-124	-273
Engine enclosure (includes perforated side panels)	44	97	510 mm/20" extreme service	202	445
Extended roller frame (without track).....	161	355	560 mm/22" extreme service	357	788
Fan, reversible	7	15	610 mm/24"	124	273
Guards:			Extended roller frame only (40 section)**		
Crankcase, extreme service	48	106	510 mm/20"	-58	-127
Fuel tank	104	229	510 mm/20" extreme service	276	609
Precleaner	4	8	560 mm/22"	69	153
Radiator grill, hinged, heavy-duty.....	60	132	560 mm/22" extreme service	436	961
Rear Tractor	43	95	610 mm/24"	196	433
Track guiding, center only:			Winch (includes pump and operator controls).....	1279	2814
Standard roller frame only	50	110	Winch cable guide rolls.....	61	135
Extended roller frame only	56	124	Winch fairlead (cannot be used with cable guide rolls).....	381	840
Track guiding, full length:					
Standard roller frame only	157	345			
Extended roller frame only	176	387			

* Specifications are converted from British to metric measure and rounded.

** Weights must be used with extended roller frame.

The Competitive Edge

Performance

- **Optimum fore and aft balance** — the elevated sprocket design gives the flexibility to optimize balance and stability by tailoring the D6H roller frame mounting location for the best possible performance.
- **Long track-to-ground contact length** — traction and stability.
- **Exceptional ground clearance** — roller frame alignment is maintained by a pivot shaft and pinned equalizer bar. This eliminates diagonal bracing — giving a flat, clean underside that reduces mud retention, abrasive wear and the risk of damage to components.
- **Differential steer (optional)** — power to both tracks at all times. Enhanced maneuverability, productivity and operating ease.
- **Turbocharged 3306 engine** — direct fuel injection for more working power from each unit of fuel. Excellent power-to-weight ratio — faster loading, bigger loads, shorter cycle times.

Reliability/Durability

- **Tubular track roller frames** resist bending and twisting better than box-section frames.
- **Durable main frame** absorbs all implement and roller frame loads through pivot shaft.
- **Elevated sprocket design** — raises final drives and associated power train components above work environment, isolates from implement and ground-induced shock loads...extends drive train life.
- **Large, sturdy undercarriage components** — longer service life.
- **Oil-cooled brakes** for increased capacity, life.
- **Single-reduction, planetary final drives** spread torque loads for long life.
- **Large engine displacement** — peak power with little strain.

Maintenance/Repair

- **Modular components** — remove as single units for simpler, quicker repairs, less downtime.
- **Modules can be pre-tested, field installed** — less shoptime, downtime.
- **Electronic Monitoring System (EMS)** — shows status of important machine systems. Operator concentrates on production instead of watching gauges.
- **Exclusive plug-in diagnostic tool connector** — diagnostic tool reads electrical system check points — electrical problems diagnosed quickly.
- **Minimal daily maintenance** — easy access, grouped service points reduce downtime.

Operating Ease

- **Conveniently placed, precise, low-effort controls** and easy-to-read, non-glare instrument panel — less strain, fatigue for operator.
- **Fully adjustable suspension seat** with adjustable arm rests angled 15° for comfort, visibility.
- **Sound-suppressed ROPS/FOPS cab** available — heater (standard with cab) or optional heater/air conditioner controls environment — pressurization keeps out dust.

Total Customer Support System

- **Parts availability** — most Cat parts on dealer's shelf when you need them — computer-controlled, emergency search system backup.
- **Service capability** — dealer's shop or fast field service — trained service people — latest tools and technology.
- **Machine management services** — effective preventive maintenance programs, diagnostic programs (Scheduled Oil Sampling, Technical Analysis), cost effective repair options, customer meetings, operator and mechanic training.
- **Exchange components for quick repairs** — choose remanufactured products or rebuilt components for maximum availability and lower costs.
- **Literature support** — easy-to-use operation, maintenance guides help you get the maximum value out of your equipment investment.
- **Flexible Financing** — your dealer can arrange attractive financing on the entire line of Cat equipment. Terms structured to meet your cash flow requirements. See how affordable and easy it is to own Cat equipment.

Custom Products

- In addition to the standard range of optional equipment, special attachments and machine configurations to suit particular customer applications can be made. Contact your Caterpillar dealer for details on matching the Caterpillar product to your special applications.