



D5H SERIES II

STANDARD, XL & LGP* TRACK-TYPE TRACTORS

- **Choice of three undercarriage arrangements** provide the flexibility to meet specific application needs.
- **Power Angling and Tilt blade** — with full hydraulic control of lift, dig, angle and tilt...gives exceptional versatility.
- **Load-sensing hydraulic system** — adjusts pump displacement and pressure to load encountered.
- **Excellent fuel efficiency** and productivity.
- **Easy maintenance and repair** — fast daily checks, modular components, reduced downtime.
- **Operating ease** — efficient, comfortable work environment.
- **Total Customer Support System** — unmatched in the industry!

Cat® 3304 Turbocharged Diesel Engine:

Standard Arrangement

Gross power.....98 kW/132 HP
Flywheel power.....90 kW/120 HP

XL/LGP Arrangements

Gross power.....106 kW/142 HP
Flywheel power.....97 kW/130 HP

Operating Weight:

Standard Arrangement

Power shift13 224 kg/29,159 lb
Direct drive.....13 303 kg/29,333 lb

XL Arrangement

Power shift13 982 kg/30,830 lb

LGP Arrangement

Power shift15 337 kg/33,818 lb
Direct drive.....15 419 kg/33,999 lb

Blade Capacity:

Standard2.66 – 3.18 m³/3.48 – 4.16 yd³
XL3.18 – 4.28 m³/4.16 – 5.60 yd³
LGP.....2.99 – 3.16 m³/3.91 – 4.13 yd³

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

*Low Ground Pressure

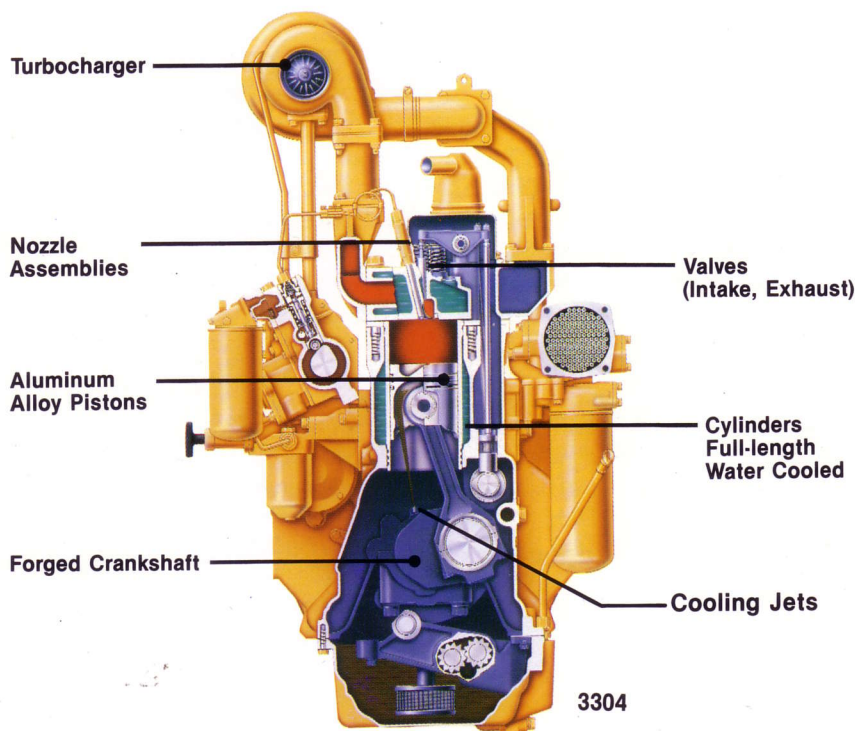


FEATURES

Caterpillar® Diesel Engine

Provides power, reliability and performance you can depend on.

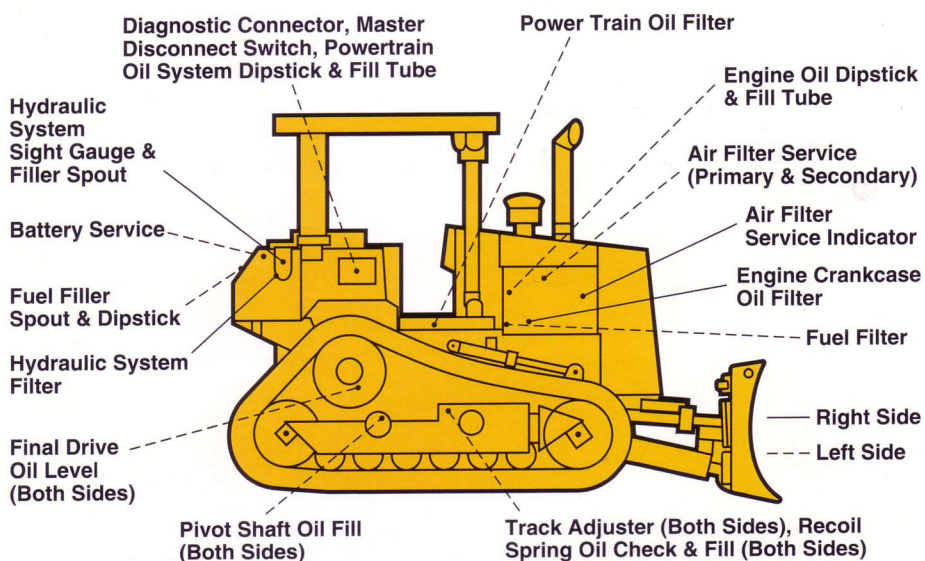
- **High torque rise** provides lugging force to power train during heavy loads.
- **High displacement-to-power ratio**, low RPM for long life and reliability.
- **Direct-injection fuel system**, adjustment-free pumps and valves for efficient, precise fuel metering.
- **Four-stroke-cycle design** provides long, effective power strokes, more complete fuel combustion.
- **Resilient engine mounting** for quieter operation, less vibration.
- **Engine oil cooler** maintains optimum engine oil temperature to cool engine components and prolong engine and lubricant life.
- **Full-length, water-cooled cylinders** ensure maximum heat transfer for longer engine life.



Service

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

- **Modular design of power train components** permits fast removal and installation.
- **Pre-testing modular components** before installation or after repair assures high quality.
- **Grouped service points** and excellent access to service areas make routine checks fast and convenient.
- **An Electronic Monitoring System** analyzes critical temperatures and pressure — gives visual and audible warning for fast troubleshooting.
- **Electrical system diagnostic connector** enables fast troubleshooting of starting and charging problems.



- **Modular cooling system**, with individual core assemblies, provides improved serviceability, reduced replacement costs and improved durability.
- **Caterpillar Remanufactured dozer hydraulic cylinders and rods**, starters, alternators, cylinder heads, short blocks, engines, oil pumps and final drive hubs are available for fast, economical repairs.

Operator's Station

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

■ **Operator's station** provides excellent visibility to blade and rear of machine for maximum operator productivity.

■ **Easy-to-reach, low-effort controls** provide sure, precise steering and dozer control for less operator fatigue.

■ **Instrument panel** includes standard gauge group with fuel gauge and Electronic Monitoring System (EMS) for monitoring critical machine functions.

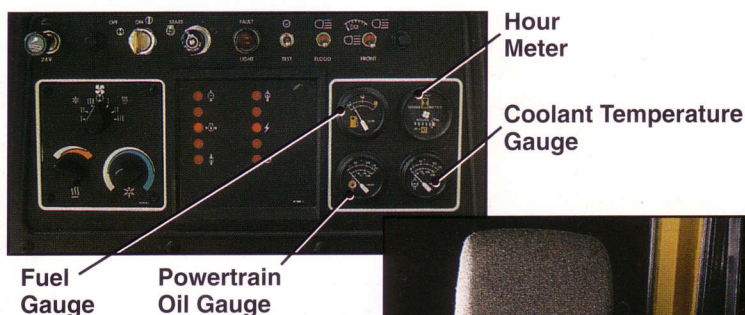
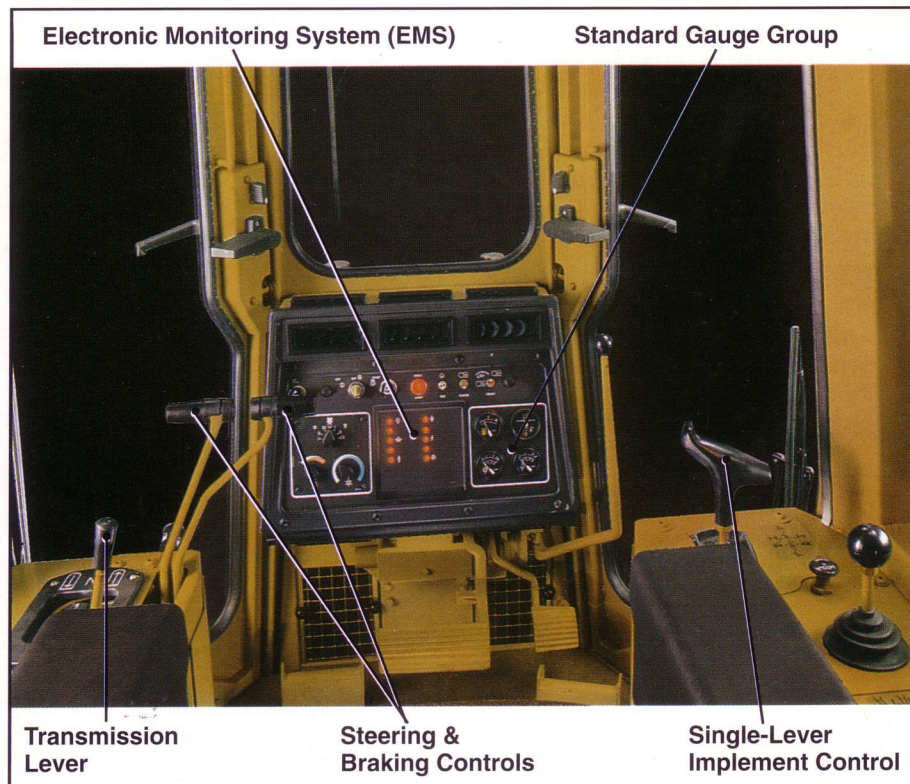
■ **Isolation-mounted cab** (optional) with air pressurizer and heater reduces noise and vibration for shift-long comfort.

■ **Radio installation group** (standard with cab).

- Includes mounting brackets, AM-FM antenna and speakers.
- Radio, optional.

■ **Caterpillar Contour Series Seat** — ergonomically designed and fully adjustable for maximum comfort.

- Cushion side bolsters restrain side-to-side movement when operating on sideslopes and rough terrain.
- Backrest centerline conforms to the operator's spinal curve and also has a transverse curve to provide additional side-to-side support.
- Fully adjustable seat allows the operator to position for maximum comfort.
 - Three position, lower back support.
 - Three position, seat height and cushion tilt adjustment.
 - Three position, suspension dampening.
 - Operator weight support adjustment.
 - Retractable 75 mm/3" wide seatbelt for positive, comfortable restraint.



FEATURES

Elevated Sprocket Undercarriage

Caterpillar's elevated sprocket undercarriage arrangements allow optimized balance for the best possible performance in each application.

- **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 — extending power train component life.
- **Sprocket position** keeps sprocket teeth, bushings and final drives away from the abrasive materials and moisture — resulting in longer final drive gear and seal life.



Standard Arrangement

- **A forward center of gravity** with long track footprint allows for good blade penetration in general to severe dozing applications with firm underfoot conditions.

XL Arrangement

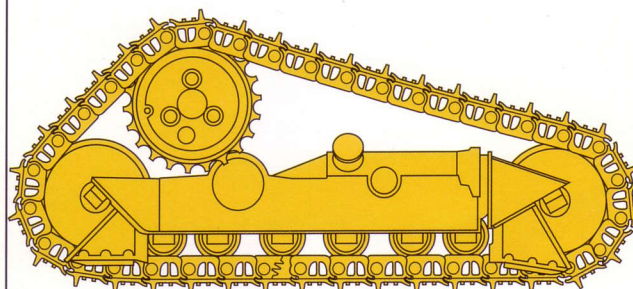
- **Forward idler position** provides additional track on ground for finish grading applications.
- **Wider gauge** for enhanced side slope stability and wider shoe options when additional flotation is required.

LGP Arrangement

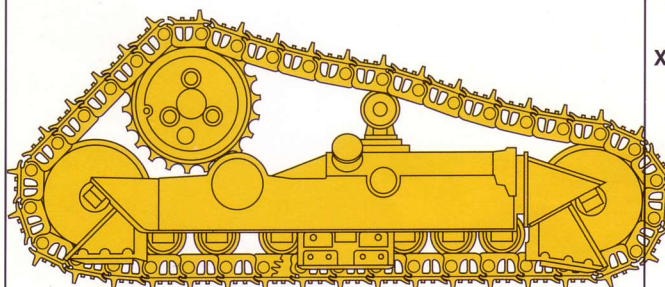
- **LGP undercarriage** is specially designed to work in soft and spongy conditions.
- **Wide track shoes, long track frame and wider gauge** increase track contact area, reduce ground pressure for improved stability and provide excellent flotation in swampy conditions.

Track shoe options

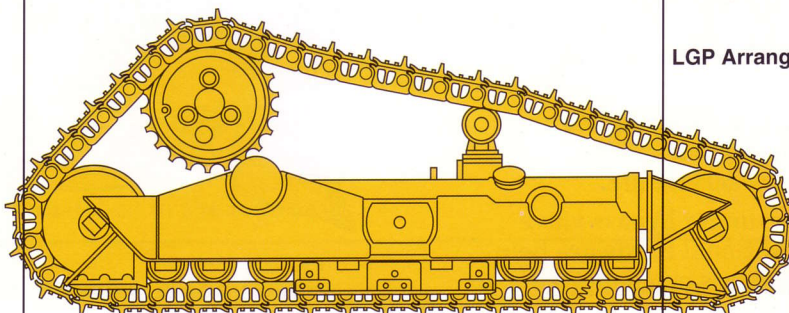
- **Caterpillar single-grouser shoes** are made from heat-treated, rolled steel for added strength.
 - Widths available for standard arrangements: 460 mm/18" and 510 mm/20". For use in high impact conditions.
 - Widths available for XL arrangements: 560 mm/22" and 600 mm/24". Provide more flotation than standard shoes and enhanced stability.
 - Widths available for LGP arrangements: 860 mm/34". Provide excellent flotation in wet underfoot conditions. 710 mm/28". For use in dryer ground conditions. 865 mm/34" self cleaning. Made of cast steel, this shoe reduces material build-up for better traction.



Standard Arrangement

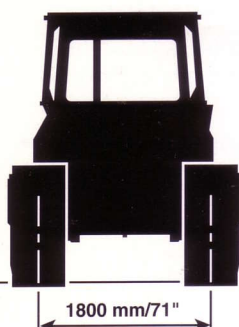


XL Arrangement

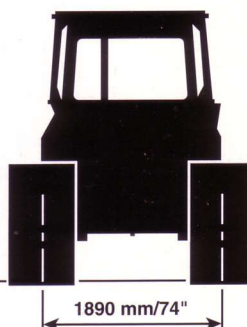


LGP Arrangement

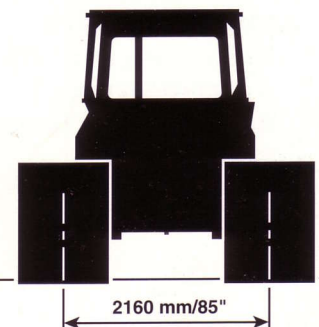
Standard Arrangement



XL Arrangement



LGP Arrangement



FEATURES

Work Tools

Caterpillar work tools include tailored dozers, rippers and winch.

Blades

■ **Choices of Power Angling and Tilt (PAT), Straight (S) or Semi-Universal (SU) Blades** for optimum job match-up.

■ **PAT Blade:**

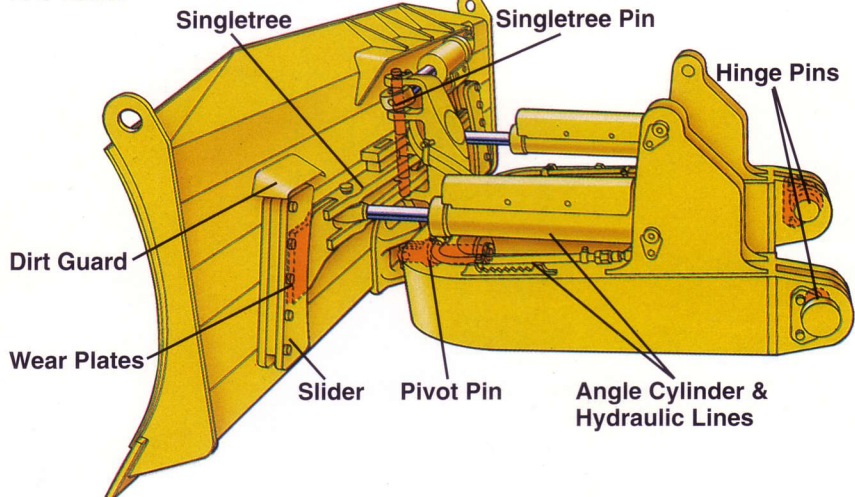
- New clipped blade for better operator visibility. (Standard and XL arrangements only).
- Full hydraulic control of lift, dig, angle and tilt functions.
- C-frame is solidly pinned to the main frame for good blade control and elimination of blade motion due to track oscillation.
- Hardened pin with replaceable bearings extend service life.
- Lubrication points located at those pin joints most susceptible to wear.
- Large singletree tower pin and lubrication of contact areas reduce impact stress giving longer pin life.
- Replaceable wear plates on singletree guide area increases service life.
- Angle cylinder bypass valve and additional hardware help reduce stress on singletree pin.
- Line guards help protect angle cylinder lines from sharp objects and abrasive materials.

■ **S-Blade** (standard and LGP arrangements only) for heavy corner loading in severe dozing and land clearing applications.

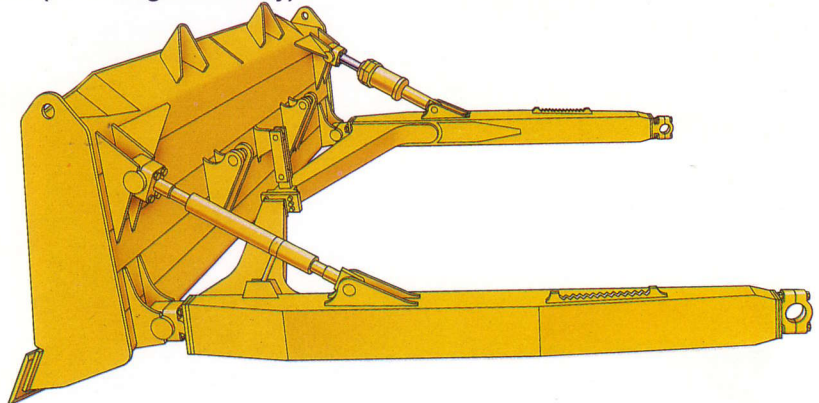
■ **SU-Blade** (XL arrangement only) for heavy corner loading and production dozing.

■ **A-Blade** available through Custom Products.

PAT Blade



SU Blade (XL arrangement only)



Rippers

- **Rugged design** for high production ripping.
- **Socket beam design** means easy servicing.
- **Multi-shank ripper** lets you choose one, two or three shanks to match the job conditions.

Winch

- **Modulated input clutch on the engine PTO shaft** reduces drains on engine horsepower for fuel efficiency.
- **Full freespool capacity** allows operator to pull line easily from drum for fast, efficient hook-up.
- **Single-lever actuation of both clutch and brake functions** — automatic synchronization of input and directional clutch engagement for smooth control.



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** — Choose remanufactured products or rebuilt components for maximum availability and lower costs.

■ **Literature support** — Easy-to-use operation and maintenance guide helps you get the full value out of your equipment investment.

SPECIFICATIONS

Engine

Gross power at 2200 RPM:

Standard.....	98 kW/ 132 HP
XL/LGP.....	106 kW/ 142 HP

Flywheel power at 2200 RPM:

Standard.....	90 kW/ 120 HP
XL/LGP.....	97 kW/ 130 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 at 2200 RPM.

ISO 9249:	
Standard.....	90 kW/ 120 HP
XL/LGP.....	97 kW/ 130 HP

ISO 3046-1:	
Standard.....	98 kW/ 132 HP
XL/LGP.....	106 kW/ 142 HP

EEC 80/1269:	
Standard.....	90 kW/ 120 HP
XL/LGP.....	97 kW/ 130 HP

Caterpillar four-stroke-cycle, 3304 diesel engine with four cylinders, 121 mm/4.75" bore, 152 mm/6.0" stroke and 7 liters/425 in³ displacement.

Direct-injection fuel system with individual, adjustment-free injection pumps and valves.

Cam-turned and tapered, aluminum-alloy pistons have three rings each and are cooled by oil spray. Steel-backed, copper-bonded aluminum bearings, thru-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.

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

When properly installed and maintained, cab offered by Caterpillar, when tested with doors and windows closed as per work cycle procedures specified in ANSI/SAE J1166 MAY 90, results in an operator sound exposure L_{eq} (equivalent sound pressure level) of 84 dB (A).

This operator A-weighted sound exposure level can be used in conjunction with OSHA, MSHA and EEC Occupational Noise Exposure Criteria. Also, when tested as per the static specifications of 86/662/EEC and dynamic specifications of 89/514/EEC, the respective operator sound pressure levels are 82 and 84 dB (A).

Sealed and Lubricated Track

Sealed and Lubricated Track surrounds the track pin with lubricant to eliminate internal pin and bushing wear. Lubricant is held in place by a sealing arrangement consisting of a rigid seal 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 D5H Series II 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 D5H Series II design has excellent ground clearance and provides a smooth underside to prevent the collection of mud and debris.

Transmission

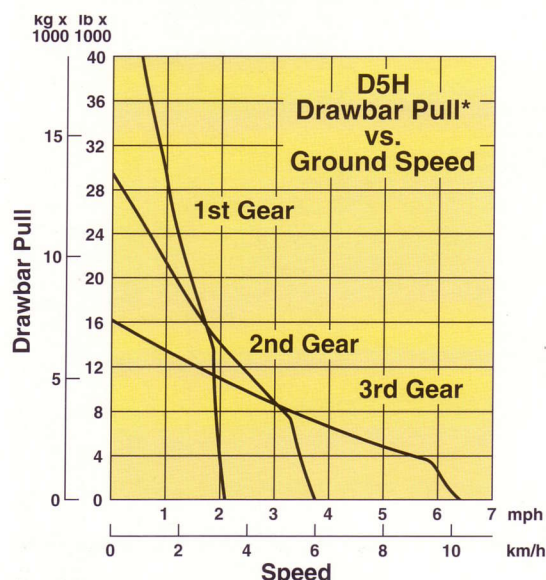
Power Shift:

Planetary-type with 279 mm/11.00" diameter high-torque capacity oil clutches. Special valve modulates clutch engagement for fast speed and direction changes. Single-stage torque converter connects directly to flywheel. Oil-to-water heat exchangers cool the torque converter oil.

Speeds with power shift transmission (approximate):

Standard:

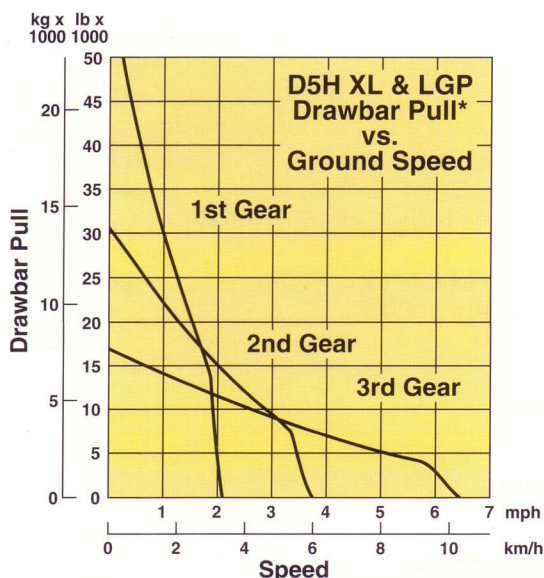
	1st	2nd	3rd
Forward, Km/h	3.3	5.9	10.0
MPH	2.1	3.7	6.2
Reverse, Km/h	4.2	7.3	12.5
MPH	2.6	4.5	7.8



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

XL and LGP:

	1st	2nd	3rd
Forward, Km/h	3.4	6.0	10.3
MPH	2.1	3.7	6.4
Reverse, Km/h	4.3	7.6	12.9
MPH	2.7	4.7	8.0



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

Direct Drive:

Constant-mesh, sliding-collar countershaft transmission. The D5H Series II offers six speeds forward and reverse, enabling the operator to match tractor speed and drawbar pull to job requirements. Helical gears are used. The curvature of the gears allows two teeth to be in contact at all times, sharing the loads. Helical gears also mesh more smoothly for quieter operation.

Flywheel clutch has three discs. Clutch is lubricated and cooled by pressure-circulated oil. Clutch is hydraulically actuated and requires no adjustment. Live PTO for use with 55 winch.

Standard travel speeds and drawbar pulls:

Gear	Forward		Reverse		Drawbar Pull, forward			
	Km/h	MPH	Km/h	MPH	At rated RPM	Max. at lug	At rated RPM	Max. at lug
					kg	lb	kg	lb
1	2.7	1.7	3.3	2.1	9140	20,150	13 054	28,780
2	3.4	2.1	4.2	2.6	7005	15,440	10 068	22,196
3	4.5	2.8	5.6	3.5	5190	11,440	7529	16,549
4	5.8	3.6	7.2	4.5	3835	8,450	5633	12,418
5	7.6	4.7	9.4	5.8	2785	6,140	4166	9,184
6	10.0	6.2	12.4	7.7	1950	4,300	2997	6,607

LGP travel speeds and drawbar pulls:

Gear	Forward		Reverse		Drawbar Pull, forward			
	Km/h	MPH	Km/h	MPH	At rated RPM	Max. at lug	At rated RPM	Max. at lug
					kg	lb	kg	lb
1	2.6	1.6	3.3	2.1	10 061	22,181	14 270	31,461
2	3.4	2.1	4.2	2.6	7725	17,031	11 019	24,294
3	4.5	2.7	5.5	3.5	5738	12,650	8253	18,195
4	5.8	3.6	7.2	4.5	4256	9,384	6191	13,650
5	7.5	4.7	9.4	5.8	3109	6,855	4594	10,129
6	9.9	6.2	12.4	7.7	2195	4,840	3322	7,324

Transmissions are modular and located at the rear of the tractor for easy removal and installation with or without the bevel, pinion and transfer gears.

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-impact and blade-induced loads for long service life. Segmented sprocket for replacement ease.

SPECIFICATIONS

Track Roller Frame

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 bushing with remote lub line. Recoil system is fully sealed and lubricated.

Undercarriage	Standard	XL	LGP
Oscillation (front idlers at gauge line)	166 mm/ 6.4"	174 mm/ 6.8"	240 mm/ 9.4"
Number of rollers (each side).....	6	7	8
Number of shoes (each side)	37	39	46
Width of standard shoe	510 mm/ 20"	600 mm/ 24"	860 mm/ 34"
Width of optional shoes	460 mm/ 18"	560 mm/ 22"	710 mm/ 28"
self-cleaning shoes	—	—	865 mm/ 34"
Length of track on ground	2306 mm/ 91"	2480 mm/ 98"	3121 mm/ 123"
Track gauge.....	1800 mm/ 71"	1890 mm/ 74"	2160 mm/ 85"
Ground contact area of following shoe width.....			
460 mm/ 18"	2.11 m ² / 3276 in²	—	—
510 mm/ 20"	2.35 m ² / 3646 in²	—	—
560 mm/ 22"	—	2.78 m ² / 4309 in²	—
600 mm/ 24"	—	3.03 m ² / 4689 in²	—
710 mm/ 28"	—	—	4.43 m ² / 6866 in²
860 mm/ 34"	—	—	5.37 m ² / 8321 in²
self-cleaning shoes.....	865 mm/ 34"	—	5.40 m ² / 8369 in²
Ground pressures of following shoe width.....			
460 mm/ 18"	0.62 kg/cm ² / 8.77 psi	—	—
510 mm/ 20"	0.56 kg/cm ² / 7.89 psi	—	—
560 mm/ 22"	—	0.50 kg/cm ² / 7.10 psi	—
600 mm/ 24"	—	0.47 kg/cm ² / 6.67 psi	—
710 mm/ 28"	—	—	0.35 kg/cm ² / 4.95 psi
860 mm/ 34"	—	—	0.29 kg/cm ² / 4.14 psi
self-cleaning shoes.....	865 mm/ 34"	—	0.28 kg/cm ² / 4.03 psi



Hydraulic Controls

Load-sensing hydraulics. A variable-displacement piston pump senses implement load and automatically adjusts flow rate to the load encountered. Sight gauge for checking fluid level.

Implement system:

Flow at maximum
pressure.....108.8 L/min/**28.7 gpm** at 2200 RPM

Maximum pressure:

Standard, LGP.....20 670 kPa/**3,000 psi**
XL.....24 804 kPa/**3,600 psi**

Steering

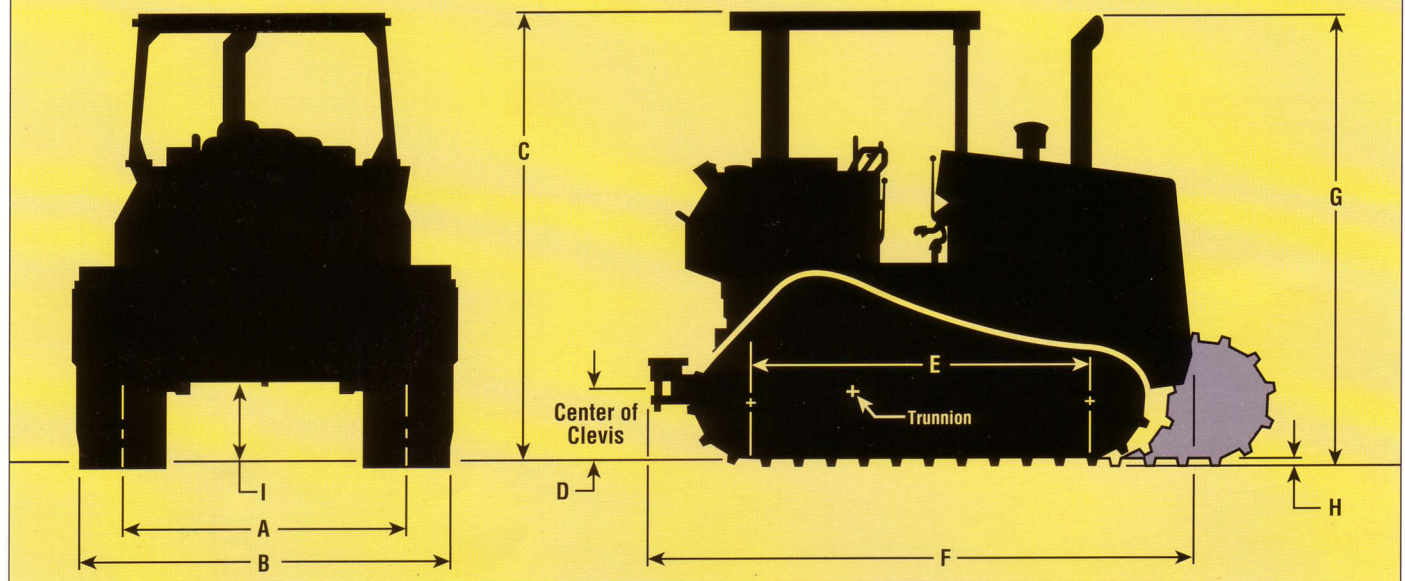
Hydraulically actuated, multiple-disc, oil-cooled steering brakes are spring engaged and hydraulically released. Clutches are multiple-disc, oil-cooled, hydraulically applied. The disc assemblies provide high load and carrying capability, long life and require no adjustment.

Combined clutch and brake hand controls are located to the operator's left. A single brake pedal, suspended from the dash, brakes both tracks without disengaging the clutches.

SPECIFICATIONS

Dimensions

(approximate)



Tractor Dimensions	Standard	XL	LGP
A. Track gauge	1800 mm/71"	1890 mm/74"	2160 mm/85"
B. Width of tractor	2310 mm/7'7"	2490 mm/8'2"	3020 mm/9'11"
C. Machine height from tip of grouser with the following equipment ROPS canopy ROPS cab	2987 mm/9'9.5" 3047 mm/10'	3012 mm/9'10.6" 3072 mm/10'1"	3126 mm/10'3" 3186 mm/10'5"
D. Drawbar height (center of clevis) from ground face of shoe	515 mm/20.3"	540 mm/21.3"	654 mm/25.7"
E. Length of track on ground	2306 mm/91"	2480 mm/98"	3121 mm/123"
F. Length of basic tractor (with drawbar) With the following attachments, add to basic tractor length	3600 mm/11'10"	3606 mm/11'10"	4133 mm/13'7"
Ripper	967 mm/3'2"	967 mm/3'2"	967 mm/3'2"
55 Winch	320 mm/13"	320 mm/13"	320 mm/13"
PAT-blade	967 mm/3'2"	992 mm/3'3"	1204 mm/3'11.4"
S-blade	927 mm/3'5"	—	1141 mm/3'8.9"
SU-blade	—	1177 mm/3'10.3"	—
G. Height over stack from tip of grouser	3022 mm/9'11"	3046 mm/10'0"	4133 mm/13'7"
H. Height of grouser	56 mm/2"	56 mm/2"	57 mm/2.5"
I. Ground clearance, from ground face of shoe (per SAE J1234)	390 mm/15.4"	415 mm/16.3"	529 mm/20.8"

Service Refill Capacities

	Liters	U.S. Gallons
Fuel Tank.....	246	65
Cooling System.....	27.9	7.4
Engine Crankcase	17.8	4.7
Transmission, bevel gear and steering clutch compartments (includes torque converter or oil clutch)	112	29.6
Final Drives (each).....	7	1.8
Implement Hydraulic System	70	18.5
Hydraulic Tank	36.4	9.6

Winch

Weight.....	891 kg/1,965 lb
Winch length.....	1022 mm/40.25"
Winch case width.....	1003 mm/39.5"
Flange diameter	445 mm/17.5"
Drum width.....	241 mm/9.5"
Drum diameter	203 mm/8.0"
Cable size:	
Recommended.....	19 mm/0.75"
Optional	22 mm/0.88"
Drum capacity:	
Recommended cable.....	76 m/248'
Optional cable	53 m/173'
Oil capacity.....	47 L/12.5 gal
Cable/ferrule sizes	
(OD x length).....	54 mm x 67 mm/2.12" x 2.63"



SPECIFICATIONS

Standard Equipment

Note: Standard and optional equipment may vary. Consult your Caterpillar dealer for specifics.

Air cleaner, dry-type.	Electric starting, 24-volt direct.	Seat, suspension.
Air cleaner service indicator.	Ether starting aid.	Seat belt.
Alternator, 50-amp.	Fuel Gauge	Segmented sprocket.
Back-up alarm (U.S.A.).	Fuel Priming Pump	Single key start.
Batteries, heavy duty.	Gauge package (PS).	Track:
Blower fan.	Hook, front pull.	Adjusters, hydraulic.
Canopy, ROPS (Required in U.S.A.).	Horn, front warning.	Sealed and Lubricated Track (Std.) 510 mm/20", 37-section
Decelerator.	Lifetime Lubricated rollers and idlers.	(XL) 600 mm/24", 39-section
Diagnostic connector.	Lockable storage compartment.	(LGP) 860 mm/34", 46-section
Drawbar, rigid.	Muffler.	single grouser track shoes.
End guiding guards.	Precleaner.	Two-piece master link.
Electric hour meter.	Radiator guard.	Transmission, power shift or direct drive.
Electronic Monitoring System.		

Optional Equipment

	Kg	Lb		Kg	Lb
Air conditioner with heater	130	287	Lighting system, cab	16	35
Cab - ROPS sound suppressed	364	802	Lighting system, canopy	16	35
Fan, reversible	8	18	Lighting system without canopy	10	22
Fenders, heavy duty	55	108	Prescreener	5	11
Grill, heavy duty hinged	32	92	Ripper (with one tooth)	936	2,059
Guards:			Additional tooth (each)	70	154
Center section track guiding	72	159	Starting aids (dealer installed):		
Engine closures	19	35	Engine coolant heater	1	2
Extreme service crankcase	62	137	Sweeps (for ROPS canopy)	224	494
Rear screen (for ROPS cab)	53	117	Tool kit	15	33
Rear screen			Track, pair, Sealed and Lubricated,		
(for use with air conditioner)	46	101	standard arrangement, 37-section:		
Rear screen (for ROPS canopy)	64	142	460 mm/18" single grouser	-112	-247
Rear tank (for ROPS cab or canopy)	106	234	510 mm/20" extreme service	118	260
Track roller	289	637	XL arrangement, 39-section:		
Heater (for ROPS Canopy)	34	75	560 mm/22"	-110	-242
Hydraulics:			LGP arrangement, 46-section:		
Two valve for 5S or 5SU (XL)			710 mm/28"	-411	-908
bulldozer and tilt cylinder	254	560	865 mm/34" (self cleaning)	-300	-660
Three valve for 5S, 5SU (XL) and			Winch	891	1,965
5P bulldozer, tilt cylinder and					
ripper	281	620			
Four valve for 5P bulldozer, tilt cylinder,					
angle cylinder and ripper	295	650			

Weight (approximate)

Shipping (includes PAT Bulldozer, three valve hydraulic control, lubricants, coolant, ROPS canopy, 5% fuel, track end guiding guards, rigid drawbar, forward warning horn, precleaner, ether starting aid, decelerator and standard shoes.)

Operating (includes lubricants, coolant, ROPS canopy, full fuel tank, operator, PAT Bulldozer, track end guiding guards, rigid drawbar, three valve hydraulic control, forward warning horn, precleaner, ether starting aid, decelerator and standard shoes.)

ARRANGEMENT	STANDARD	XL	LGP
Shipping Weight			
Power Shift.....	12 943 kg/ 28,539 lb	13 701 kg/ 30,211 lb	15 056 kg/ 33,198 lb
Direct Drive.....	13 022 kg/ 28,714 lb	—	15 138 kg/ 33,379 lb
Operating Weight			
Power Shift.....	13 224 kg/ 29,159 lb	13 982 kg/ 30,830 lb	15 337 kg/ 33,818 lb
Direct Drive.....	13 303 kg/ 29,333 lb	—	15 419 kg/ 33,999 lb

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	in.	mm	in.	kg	lb	kg	lb
Standard																
5P.....	3.18	4.16	3274*	10'9" *	1195	3'11"	438	17.2	962	37.9	489	19.2	2181	4,798	13 224	29,159
5S.....	2.66	3.48	2950	9'8"	1070	3'6"	406	16	936	36.9	446	17.6	1854	4,087	12 897	28,448
XL																
5P.....	3.18	4.16	3274	10'9"	1195	3'11"	438	17	962	38	497	20	2219	4,892	13 982	30,830
5SU.....	4.28	5.60	3165	10'5"	1244	4'1"	427	17	1003	39	372	15	2354	5,190	14 272	31,478
LGP																
5P.....	3.16	4.13	3980	13'	1025	3'4.4"	498	19.6	992	39.1	598	23.5	2488	5,485	15 337	33,818
5S.....	2.99	3.91	3656	12'	1020	3'4.2"	565	22.2	966	38	460	18	2096	4,621	14 945	32,954

* PAT blade straight – Angled dimensions: 2922 mm/**9'7"**.

** Operating weight includes lubricants, coolant, full fuel tank, power shift arrangement, ROPS canopy, operator, hydraulic controls, track end guiding guards, rigid drawbar, dozer listed, forward warning horn, precleaner, ether starting aid, decelerator for power shift and 510 mm/**20"** (standard), 600 mm/**24"** (XL) or 860 mm/**34"** (LGP) shoes.

Ripper Specifications

RIPPER	STANDARD	XL	LGP
Beam width.....	2202 mm/ 86.7"	2202 mm/ 86.7"	2202 mm/ 86.7"
Cross section.....	216 mm x 254 mm/ 8.5" x 10"	216 mm x 254 mm/ 8.5" x 10"	216 mm x 254 mm/ 8.5" x 10"
Maximum clearance, raised.....	592 mm/ 23.3"	617 mm/ 24.3"	731 mm/ 28.8"
Number of pockets.....	3	3	3
Maximum penetration.....	406 mm/ 16"	380 mm/ 15"	267 mm/ 10.5"
Maximum pryout force.....	21 738 kg/ 47,900 lb	23 585 kg/ 52,000 lb	21 738 kg/ 47,900 lb
Maximum penetration force (PAT blade equipped) power shift..	4510 kg/ 9,940 lb	5151 kg/ 11,360 lb	6242 kg/ 13,760 lb
Weight:			
With one tooth.....	936 kg/ 2,059 lb	936 kg/ 2,059 lb	936 kg/ 2,059 lb
Each additional tooth.....	70 kg/ 154 lb	70 kg/ 154 lb	70 kg/ 154 lb

The Competitive Edge

Performance

- **A forward center of gravity** with more track on the ground provides optimum dozing.
- **Excellent side slope ability** — wide track gauge gives the D5H Series II excellent side slope stability.
- **Excellent power-to-weight ratio** — faster loading, bigger loads, shorter cycle time.
- **Turbocharged 3304 engine** — direct fuel injection for more working power from each unit of fuel.
- **Versatile Power Angle and Tilt blade** for increased productivity and flexibility to do more jobs.

Durability/Reliability

- **Tubular track roller frames** resist bending and twisting.
- **Oil-cooled brakes** for increased capacity, service life.
- **Elevated sprocket design** — final drives and associated power train components raised above work environment...isolates from implement and ground-induced shock loads...extends drive train life.
- **Large engine displacement** — peak power with little strain.
- **Durable main frame** absorbs all implement and roller frame loads through pivot shaft.

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** — guards against costly failures when gauges aren't checked often enough.
- **Modular core radiator** — easy servicing and repair of the individual modules.
- **Exclusive plug-in diagnostic tool connector** — tool reads electrical system check points — electrical problems diagnosed quickly.

Operating Ease

- **Conveniently placed, low-effort controls** and easy-to-read, non-glare instrument panel — less strain, fatigue for operator.
- **Sound-suppressed ROPS/FOPS cab** available — heater (standard with cab) or optional heater/air conditioner controls environment — pressurization keeps out dust.
- **Caterpillar Contour Series Seat** for comfort and visibility of blade and ripper or winch operations.
- **Smooth, precise one-handed** forward, reverse and speed control.

Total Customer Support System

- **Parts availability** — most Cat parts on dealer's shelf when you need them — computer-controlled, emergency search system back-up.
- **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 and maintenance guide helps you get the maximum value out of your equipment.
- **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 are available. For example:

- **Fine Grading Arrangement:** for standard and LGP machines front idler moved forward 190 mm/3.5" and new roller spacing provides the best fine-grading performance on a D5 class machine.
- **Waste Disposal Arrangement:** consists of special modifications and guarding to enable the tractor to work in landfill application.
- **Power angle and tilt blade** provides a 54° cutting edge angle.
- For details on matching the D5H Series II to your special applications, contact your Caterpillar dealer.

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