D6M
Track-Type Tractor

XL & LGP

Cat® 3116 turbocharged diesel engine		
Gross horsepower	114 kW	153 HP
Flywheel horsepower	104 kW	140 HP
Operating weight		
XL arrangement	15 050 kg	33,200 lb
LGP arrangement	16 500 kg	36,400 lb

Blade capacity		
XL arrangement (VPAT dozer)	3.18 m^3	4.16 yd^3
XL arrangement (SU dozer)	4.28 m^3	5.6 yd^3
LGP arrangement	3.16 m^3	4.11 yd^3

D6M Track-Type Tractor

An outstanding choice for productivity and versatility.

Power Train

Perfectly matched power train. From the powerful and fuel efficient *3116* ✔ *DIT engine* to the durable power shift transmission, all Caterpillar® components work together to deliver responsive power when you need it. **pg. 4-5**

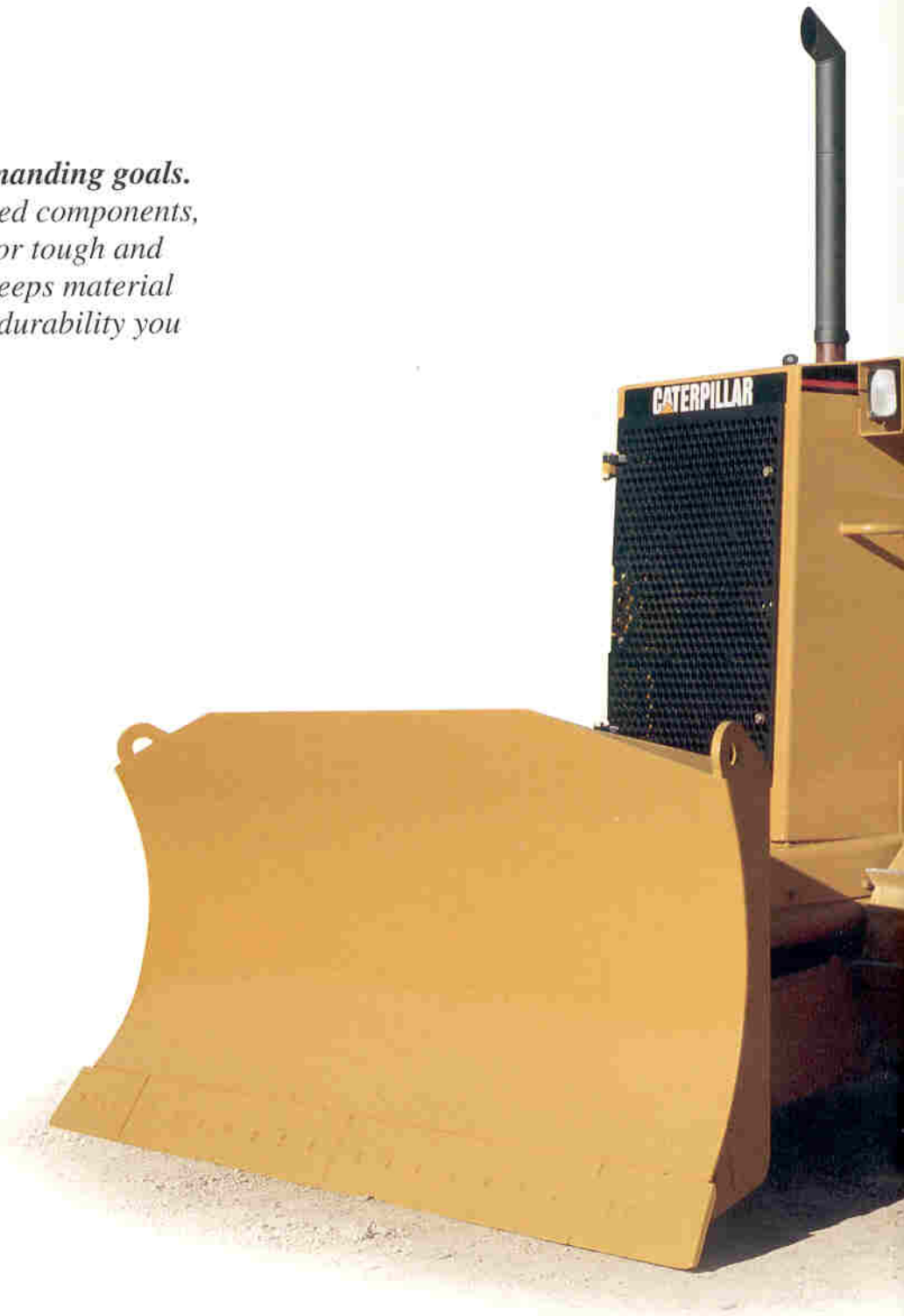
Structure

✔ *Mainframe* is designed and built for durability by using the latest technology in engineering and manufacturing. It provides solid support and perfect alignment for major components. **pg. 6**

Undercarriage

The elevated sprocket moves the final drives above the work area, isolating them from ground impacts for long power train component life. Choice of XL and LGP configuration to best match the application. **pg. 7**

Engineered to exceed most demanding goals.
With increased power and rugged components, the versatile D6M is designed for tough and varied working conditions. It keeps material moving with the reliability and durability you expect from Cat machines.



Operator Station
Ergonomically designed for maximum productivity and comfort. Controls are intuitive, low-effort and easy to reach, ✔ viewing area is excellent, *instrument panel* is easy to read and informative, sound level is reduced and storage space has been increased.
pg. 8-9

Optional Finger Tip Control
✔ Effortless and precise *one-hand electronic steering and transmission control* with auto shift and auto-kickdown features to increase operator efficiency and reduce operator fatigue.
pg. 10

Work Tools
✔ Choice of *VPAT or SU bulldozer blades*, rippers and other options allow you to customize the D6M to match specific applications. **pg. 11**

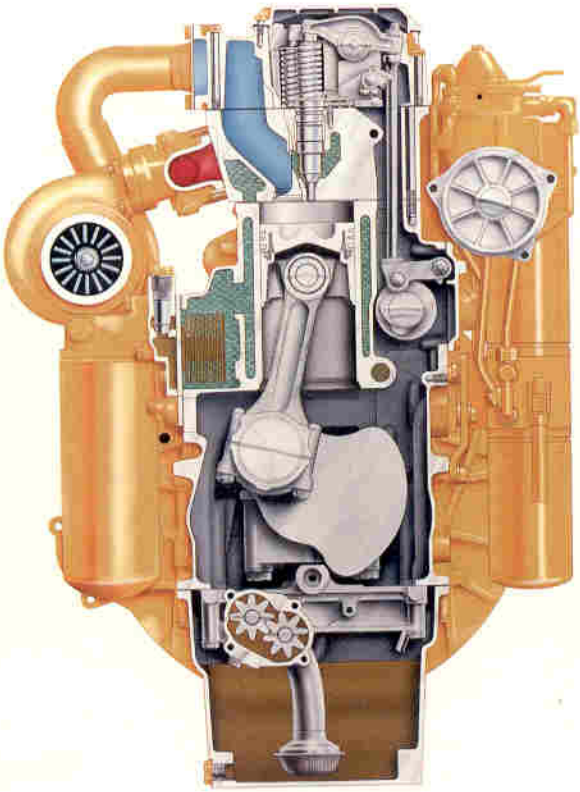
Serviceability
Major modular components are designed for excellent serviceability, and allow fast in-field component exchange. **pg. 12**

Customer Support
The best parts availability and the best service capability. **pg. 13**

✔ *New feature*

Power Train

The Caterpillar 3116 engine, optimally matched with torque converter and power shift transmission, provides an excellent balance between efficiency and power.



Cat 3116 Engine. Caterpillar 3116 engine performs at full-rated net power of 104 kW (140 hp) at 2200 rpm with high torque rise of 37%. High horsepower, combined with high torque rise, give the D6M the ability to doze through tough material. Plus, this engine meets all the latest emission regulations around the world.

Turbocharging improves response and performance at low to medium engine speeds.

Direct Unit Injection Fuel System eliminates external high pressure fuel lines and provides excellent control of injection timing with individually metered, high-pressure, direct-injection of fuel. Result is improved engine response and reliability plus low fuel consumption and emissions.

Resilient engine mounting for quieter operation and less vibration.

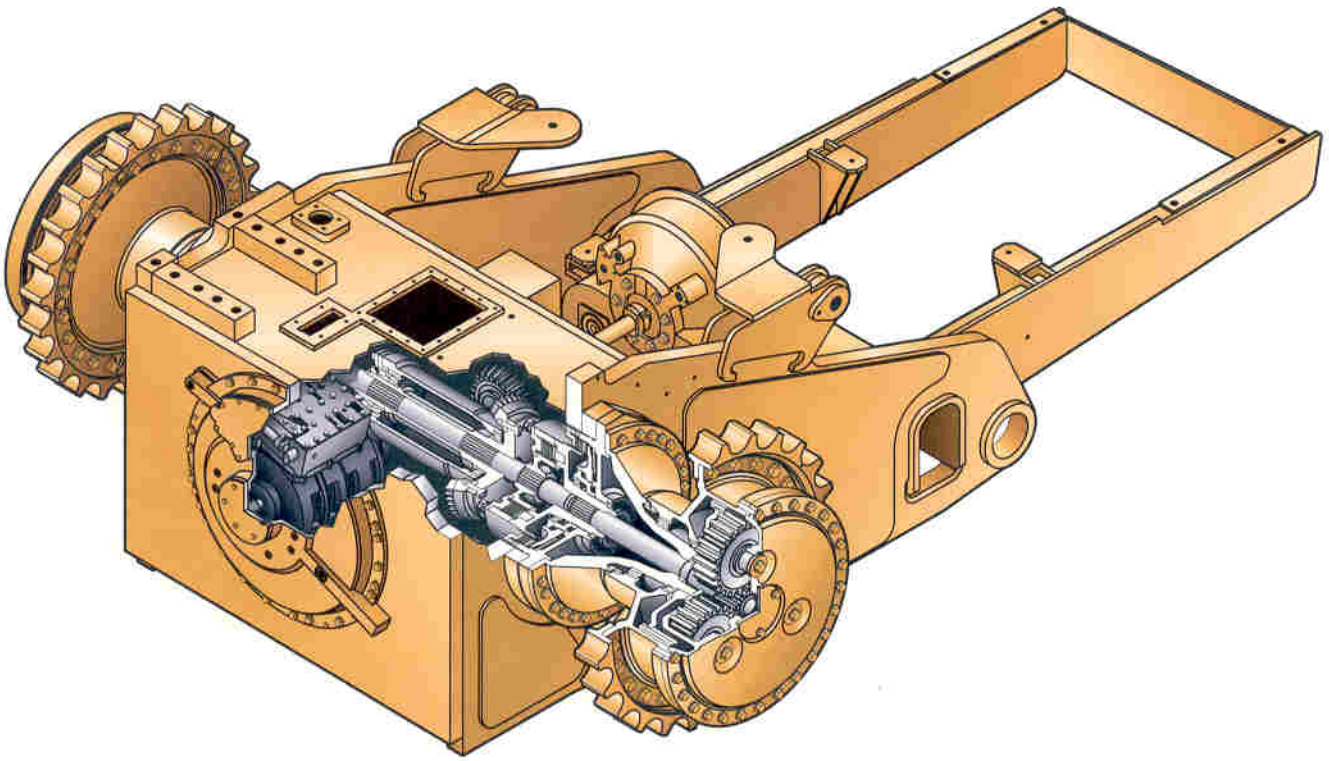
Long-life design

- One-piece, stress relieved, cast iron cylinder block for increased rigidity.
- High-strength, one-piece cylinder head with replaceable stainless steel intake valve seat and nickel alloy exhaust valve seat.
- Optimized camshaft location, short pushrods and roller followers to reduce flexing.
- Full-length, water-cooled cylinders for maximum heat transfer.
- Large engine oil cooler to maintain optimum engine oil temperature.
- Main and rod bearing surfaces increased for better wear life.
- Two piece articulated piston with forged steel crown for added durability.
- Low-mounted oil pump for quick start-up lubrication.

Easy maintenance. The engine can be rebuilt for a second life. Caterpillar remanufactured parts are available to economically replace many components. Some innovative maintenance features of the 3116 engine:

- Parent-metal cylinder block can be rebored twice and dry-sleeved.
- Connecting rods can be removed through the tops of the cylinders.
- Camshaft followers and pushrods can be easily replaced without removing the camshaft.
- Water pump can be serviced as a unit or rebuilt.

Improved multiple row modular radiator efficiently cools engine for optimum engine performance in tough environments and applications.



Drive train components are matched and balanced to deliver exceptional performance and durability.

Torque converter responds to changing load conditions by providing torque multiplication for increased drawbar pull while protecting the drive train from shock loads.

Power shift transmission. Proven planetary design delivers fast, smooth speed changes while distributing loads over multiple gears for long life.

Perimeter-mounted clutches provide superior heat dissipation and a large contact area for long service life.

Electronic Clutch Pressure Control for smooth and automatic shifting features for Finger Tip Control machines.

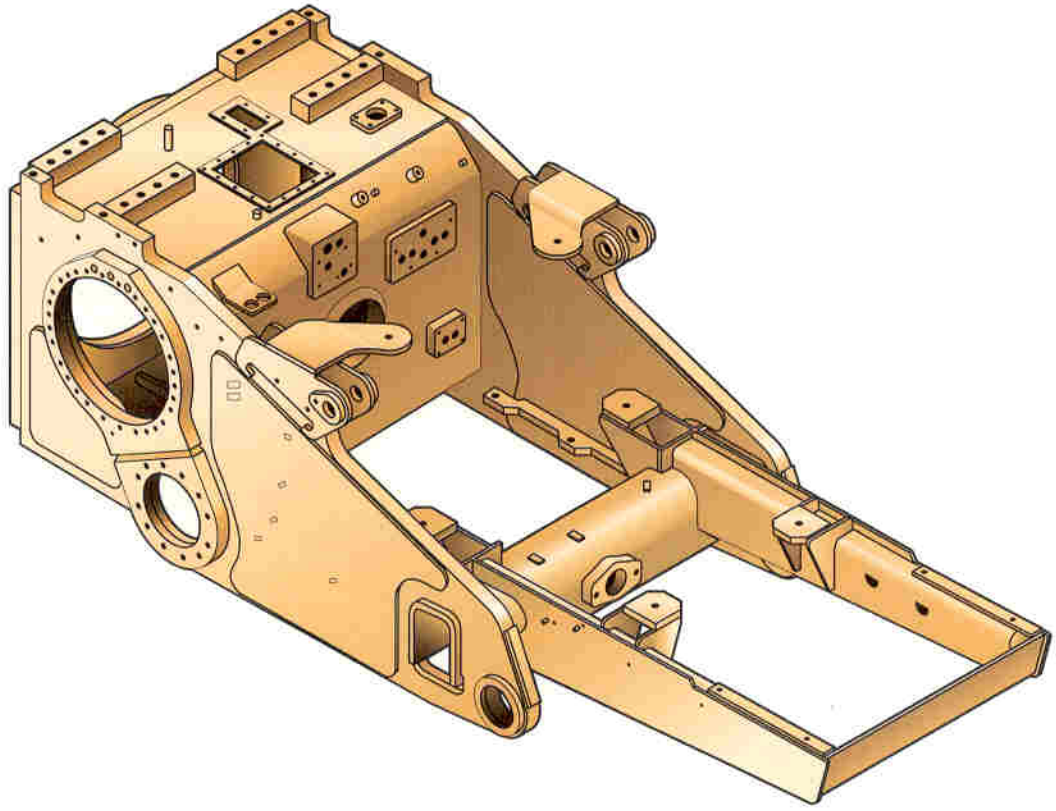
Clutches and brakes. Oil-cooled, hydraulically actuated multiple-disc clutches and brakes for smooth, precise turns.

Electronic Clutch and Brake for Finger Tip Control machines are electro-hydraulically actuated for improved steering, braking and modulation.

Final drives. Precision, high load capacity gears and bearings give long-lasting performance and durability.

Structures

Engineered and manufactured to provide durability in the most demanding work.



Mainframe. The D6M high strength steel mainframe absorbs high impact shock loads and twisting forces.

Computer-aided finite element analysis used to evaluate and ensure high durability.

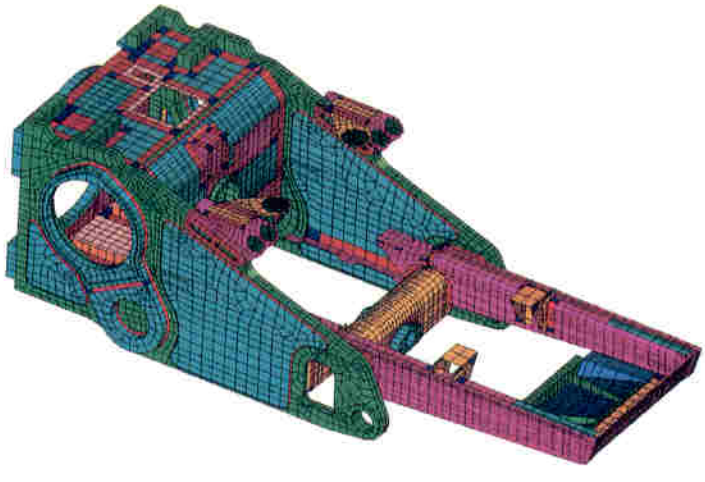
Full scale structural testing analysis to verify and ensure integrity of the mainframe.

Robotic welding provides deep penetration and consistency for long life.

Precision top level machining for perfect alignment of bores and surfaces.

Pivot shaft and pinned equalizer bar for maintaining track roller frame alignment.

Computer-aided finite element analysis



Undercarriage

The Caterpillar elevated sprocket undercarriage arrangements are designed for better balance, performance and component life.

Final drives and associated power train components raised above the work area — isolating them from ground-induced and implement impact 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.

High flange improved track rollers (optional) combined with center or full length roller guard attachments greatly improve track guiding for demanding side slope conditions.

XL arrangement

Optimum idler position and track length on ground allow for excellent balance and finish grading performance.

Wide 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.

Rotating Bushing Track (optional) is sealed and lubricated system which includes four track seals per joint, non-restrained floating bushings, longer track pins, redesigned track links (wider pin boss and bushing strap, and taller rail) and a unique pin retention system. Because the bushings rotate, relative motion between the bushings and the sprocket teeth is virtually eliminated. The minimal wear that does occur is evenly distributed around the bushings. Therefore, no bushing turn is required, and sprocket segment wear is dramatically reduced. In effect, Rotating Bushing Track does an ongoing bushing turn as the machine works.

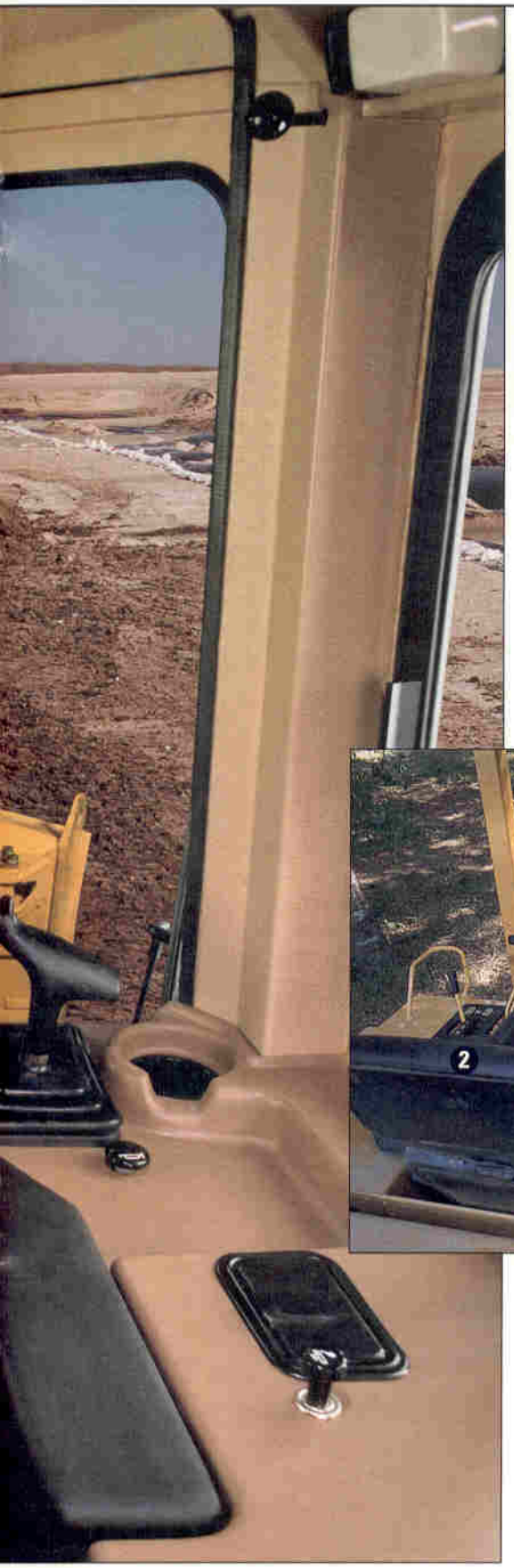
Track shoe options

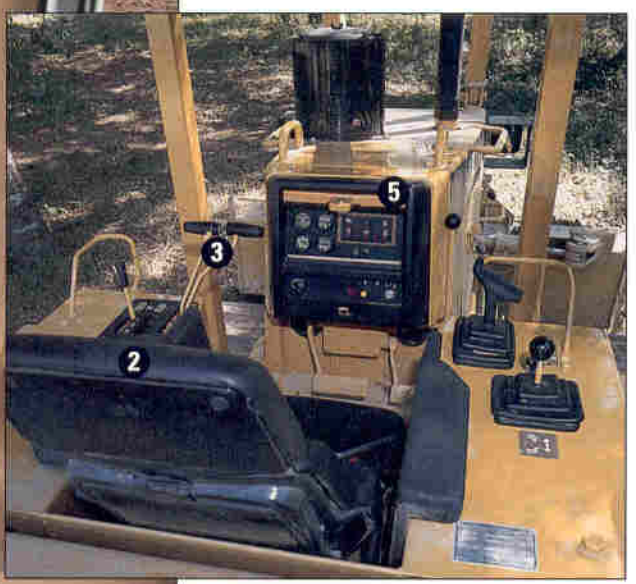
Caterpillar single-grouser shoes are made from heat-treated, rolled steel for added strength.

- Widths available for XL arrangements:
  - 600 mm (24") standard: Provides excellent flotation in most applications.
  - 560 mm (22"): For use in dryer conditions.
- Widths available for LGP arrangements:
  - 860 mm (34") standard: 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 buildup for better traction, especially in spongy applications.

Operator Station

Ergonomically designed for operator's maximum comfort and productivity.





1 **Operator's station** provides excellent viewing area to blade and rear of machine. Optional isolation-mounted cab has reduced vibration and operator sound level below 79 dB(A) for comfortable operation. Standard cab is radio-ready with mounting brackets, AM/FM antenna and speakers.

2 **The Caterpillar Contour Series Seat** is ergonomically designed and fully adjustable for maximum comfort. The seat cushion reduces the pressure on the lower back and thighs while allowing unrestricted arm and leg movement. (Cloth contour series seat is standard with cab; vinyl contour series seat is available for ROPS canopy.)

3 **Standard clutch and brake lever steering** machines have traditional easy-to-reach, low-effort controls providing sure and precise steering and dozer control.

4 **Optional Finger Tip Control (FTC)** equipped machines have intuitive and effortless one hand steering and transmission control providing maximum comfort and productivity.

5 **Standard instrument panel** for the clutch and brake lever steering machine is the traditional Electronic Monitoring System (EMS) with standard gauge group.

6 **Optional instrument panel** for the Finger Tip Control (FTC) equipped machines is the new Caterpillar Monitoring System (CMS) which includes scroll through digital display for gear selection, engine speed, hour meter, diagnostic codes and other vital information. Also has gauge group displaying fuel level, coolant, transmission and hydraulic oil temperatures. This system also provides instant feedback on machine systems with three levels of operator alert.

Other improvements include:

- Storage for lunch box, cup and insulated bottle.
- Adjustable armrests with kneepads.
- Dash-mounted heater for OROPS attachment.
- Storage box to left of operator.
- Vinyl/floor covers enlarged to cover the complete floor area and under seat.

Finger Tip Control

A revolutionary way to operate with easy-to-use, low-effort controls.

Finger Tip Controls are clustered for easy, one-handed operation to the operator's left. They control steering, machine direction and gear selection.

1 Electronic Clutch and Brake steering system allows the operator to work more precisely in close areas, around structures, obstacles, grade stakes and other machines. It consists of two small levers which send signals that control the steering valve.

- Levers require less than 3 pounds of pull to actuate.
- Steering is accomplished in much the same way as with traditional clutch and brake arrangements but with less time and effort.

Finger Tip Control module can be manually adjusted up and down and fore/aft for maximum comfort. Optional electronic vertical adjustment is available for added convenience.

2 Machine direction is controlled by a pivoting knob which can be actuated by the thumb of the left hand. Rotating the knob up shifts the machine transmission to forward. Rotating the knob down reverses the machine. The middle setting puts the machine transmission in neutral.

3 Gear selection is made by two buttons to the right of the machine direction knob. The top (up-shift) button shifts the machine transmission to the next higher gear while the bottom (down-shift) button shifts to the next lower gear.

Auto shift and Auto-kickdown in Finger Tip Control machines include the following features.

- Auto shift allows the operator to preselect a forward and reverse gear for frequent directional changes. The settings include first-forward to second-reverse (1F ⟷ 2R), and second-forward to second-reverse (2F ⟷ 2R).
- Auto-kickdown automatically downshifts from second-forward or second-reverse when the machine detects a significant increase in load.
- Depending on your application, choose from auto shift and auto-kickdown, auto shift only, auto-kickdown only, and manual mode.

4 Parking brake switch electronically locks Electronic Clutch and Brake steering.

Work Tools

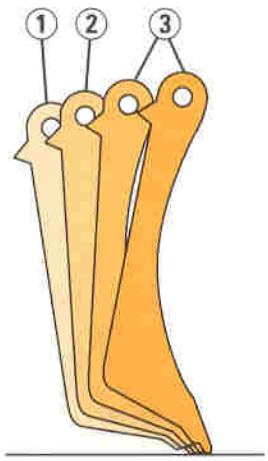
Caterpillar work tools include tailored blades, rippers and winches.

Blades.
Choice of variable pitch power angle and tilt (VPAT) or semi-universal (SU) blades for optimum job match up.

VPAT Blade
Manually adjustable blade pitch for optimum performance.

- Top corners of blade are clipped for better operator visibility. (XL arrangement 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.
- Lubrication points located at all pin joints reduce wear.
- C-frame to tractor joint is sealed and lubricated with remote lube for extended service life and quiet operation.
- Angle cylinder bypass valve and additional hardware help reduce stress.
- Line guards help protect angle cylinder lines from sharp objects and abrasive materials.

Available VPAT blade positions.



1 54° position. Maximum blade loads for carry and backfill. Best position for finish grading.

2 57.5° position. Good blade loads with increased penetration. Best for general dozing.

3 60-62° position. Maximum blade penetration and reduced material retention on blade.

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

Rippers

- Rugged parallelogram design for high production ripping.
- Socket beam design means easy servicing.
- Multi-shank ripper includes three curved shanks.
- Optional straight shanks.

Winches

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

Service

Modular design concept moves Cat 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.

Quick, easy service access and inspection of daily maintenance items.

Computerized Caterpillar 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.

Ecology drains provide an environmentally safer method to drain fluids. They are included on the radiator, hydraulic tanks and major power train components.

Total Customer Support

Unmatched in the industry!

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement, to help you get the best return on your investment.

Selection. Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive maintenance? What is the true cost of lost production? Your Cat dealer can give you precise answers to these questions.

Purchase. Look past initial price. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the long run.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has training videotapes, literature and other ideas to help you increase productivity.

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.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Product support. You will find nearly all parts at our dealer parts counter. Cat dealers utilize a world-wide computer network to find in-stock parts to minimize machine down time. Save money with remanufactured parts. You receive the same warranty and reliability as new products at cost savings of 40 to 70 percent.

Engine

Four-stroke cycle, six cylinder 3116 turbocharged diesel engine.

Ratings at 2200 RPM*	kW	HP
Gross power	114	153
Net power	104	140

The following ratings apply at 2200 RPM when tested under the specific standard conditions for the specified standard:

NET POWER	kW	HP	PS
Caterpillar	104	140	—
ISO 9249	104	140	—
EEC 80/1269	104	140	—
SAE J1349	104	140	—
DIN 70020	—	—	145

Dimensions		
Bore	105 mm	4.13 in
Stroke	127 mm	5.0 in
Displacement	6.6 liters	403 cu in

***Power rating conditions**

- based on standard air conditions of 25°C (77°F) and 99 kPA (29.32 in Hg) dry barometer
- used 35° API gravity fuel having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 30°C (86°F) [ref. a fuel density of 838.9 g/L (7.001 lb/U.S. gal)]
- net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator
- no derating required up to 2300 m (7500 ft) altitude

Features

- direct injection fuel system with individual adjustment-free unit injectors
- 3-ring forged steel crown pistons with aluminum skirts
- heat resistant sil-chrome steel intake and stellite-faced exhaust valves
- forged steel connecting rods
- one-piece cylinder head designed with cast intake manifold
- cast cylinder block with oil cooler cavity cast into block
- induction-hardened, forged crankshaft that is dynamically balanced
- direct electric 24-volt starting and charging system
- two 12-volt, 100 amp-hour, 750 CCA, maintenance-free batteries
- 70-amp alternator
- plate-type, water-cooled oil cooler
- vertical-flow, steel-fin, tube-type radiator
- dry-type, radial-seal air cleaner with primary and secondary elements

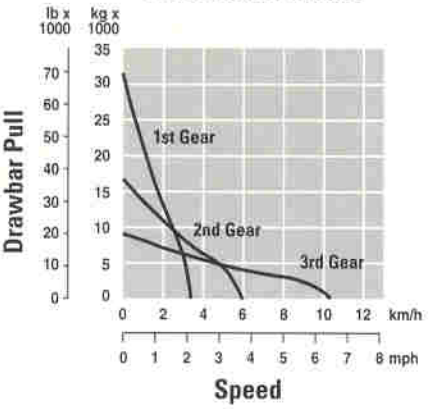
Transmission

Three-speed planetary auto shift, remotely mounted from engine.

Speeds with power shift transmission approximate

		km/h	MPH
Forward	1	3.4	2.1
	2	6.0	3.7
	3	10.3	6.4
Reverse	1	4.2	2.6
	2	7.5	4.6
	3	12.8	7.9

Power shift with steering clutches and brakes



Hydraulic Controls

Load-sensing, variable displacement piston pump.

Pump output at 2200 RPM and maximum pressure

	119 liters/min	31.5 gpm

Relief valve setting

XL	24 804 kPa	3600 psi
LGP	24 804 kPa	3600 psi

Control positions

- lift cylinders — raise, hold, lower, float
- tilt cylinder — left, right, hold
- angle cylinders — left, right, hold
- ripper cylinder — raise, hold, lower

Final Drive

Single reduction final drives.

Features

- isolated from ground-impact and blade-induced loads
- modular design reduces removal and installation time
- segmented sprocket simplifies replacement

Cab

Caterpillar cab and Rollover Protective Structure (ROPS). ROPS canopy required in U.S.A.

Features

- meets OSHA and MSHA limits for operator and sound exposure with doors and windows closed (according to ANSI/SAE J1166 JUL87)
- ROPS meets the following criteria:
  - SAE J395
  - SAE J1040 APR88
  - ISO 3471-1 1986
  - ISO 3471-1 1994
- also meets the following criteria for Falling Objects Protective Structure:
  - SAE J231 JAN81
  - ISO 3449 1992 Level II

Note

When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed according to ANSI/SAE J1166 MAY90, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture. The operator sound pressure level is 77 dB(A) when measured per ISO 6394 and 79 dB(A) when measured per ISO 6396

Steering and Braking

Choice of Lever Steering or Finger Tip Control System meets SAE J1026 APR90.

Features — Lever steering

- hand-lever steering/braking controls
- oil-cooled, hydraulically actuated multiple-disc steering clutches and brakes
- single brake pedal brakes both tracks without disengaging steering clutches
- mechanically actuated, spring applied parking brake

Features — Finger Tip Control

- Finger Tip Control of transmission and steering clutches and brakes
- oil-cooled, electro-hydraulically actuated multiple-disc steering clutches and brakes
- single brake pedal brakes both tracks without disengaging steering clutches
- electro-hydraulically actuated, spring applied parking brake

Service Refill Capacities

	Liters	Gallons
Fuel tank	311	82.2
Crankcase and filter	26	6.9
Transmission, bevel gear and steering clutch (includes torque converter)	122	32.2
Final drives (each side)	7	1.8
Cooling system	48.4	12.8
Implement hydraulic system (includes hydraulic tank)	69.2	18.3
Hydraulic tank	29.2	7.7
Recoil spring compartment	29.5	7.8

Pivot Shaft and Equalizer Bar

Pivot shaft and pinned equalizer bar oscillation system.

Features

- pivot shaft transmits ground impact loads directly to main frame
- protects power train components
- pinned equalizer bar keeps track roller frame in proper alignment
- system provides smooth machine underside
- prevents collection of mud and debris

Heavy Duty Sealed and Lubricated Track

Heavy duty design for superior track life.

Features

- improved sealability and link rail wear life
- wider bushing strap provides improved bushing retention and resistance to bore stretching and cracking
- wider pin boss and longer pin improves pin-to-link retention
- more rail material increases link and roller system wear life
- extends undercarriage maintenance intervals
- reduces overall undercarriage operating costs

Track Roller Frame

Tubular design resists torsional loads.

Features

- Lifetime Lubricated rollers and idlers are directly mounted to roller frame
- oscillating roller frames attach to tractor by pivot shaft and pinned equalizer bar
- large pivot bushings operate in an oil reservoir
- equalizer bar saddle connection is low-friction bushing with remote lube line
- recoil system fully sealed and lubricated

	XL		LGP	
Oscillation:				
front and rear idlers at gauge line	245 mm	9.6"	270 mm	10.6"
at pivot shaft	±2.8°		±2.5°	
Number of rollers (each side)	7		8	
Number of shoes (each side)	40		46	
Width of:				
standard shoes	600 mm	24"	860 mm	34"
optional shoes	560 mm	22"	710 mm	28"
self-cleaning shoes	—		865 mm	34"
Length of track on ground	2550 mm	100"	3102 mm	122"
Track gauge	1890 mm	74"	2160 mm	85"
Ground contact area with:				
560 mm (22") shoes	2.86 m^2	4427 in^2	—	
600 mm (24") shoes	3.06 m^2	4743 in^2	—	
710 mm (30") shoes	—		4.40 m^2	6820 in^2
860 mm (34") shoes	—		5.34 m^2	8277 in^2
self cleaning 865 mm (34") shoes	—		5.37 m^2	8324 in^2
Ground Pressure:				
560 mm (22") shoes	.53 kg/cm^2	7.49 psi	—	
600 mm (24") shoes	.49 kg/cm^2	6.99 psi	—	
710 mm (28") shoes	—		.38 kg/cm^2	5.36 psi
860 mm (34") shoes	—		.31 kg/cm^2	4.43 psi
self cleaning 865 mm (34") shoes	—		.31 kg/cm^2	4.40 psi

Winch

Rugged PA55 winch with freespool.*

Features

- hydraulically actuated multiple-disc wet clutch and brake
- single lever control of clutch and brake functions
- separate lever for freespool operation

Weight	1276.4 kg	2814 lb
Winch length	1120 mm	44.1"
Winch case width	975 mm	38.4"
Flange diameter	504 mm	19.8"
Drum width	330 mm	13"
Drum diameter	254 mm	10"
Cable size:		
Recommended	19 mm	0.75"
Optional	22 mm	0.87"
Drum capacity:		
Recommended cable	122 m	400'
Optional cable	88 m	289'
Oil capacity	74 L	19.55 gal
Cable/ferrule sizes (OD x length)		
54 mm x 65 mm	2.13" x 2.56"	

*PA55 winch is manufactured for Caterpillar by PACCAR Inc.

Weight (approximate)

Shipping weight

Includes VPAT blade, three-valve hydraulic control, lubricants, coolant, ROPS canopy, track end guiding guards, rigid drawbar, forward warning horn, precleaner, 5% fuel, decelerator and standard shoes.

	XL		LGP	
Power shift	14 750 kg	32,500 lb	16 200 kg	35,700 lb

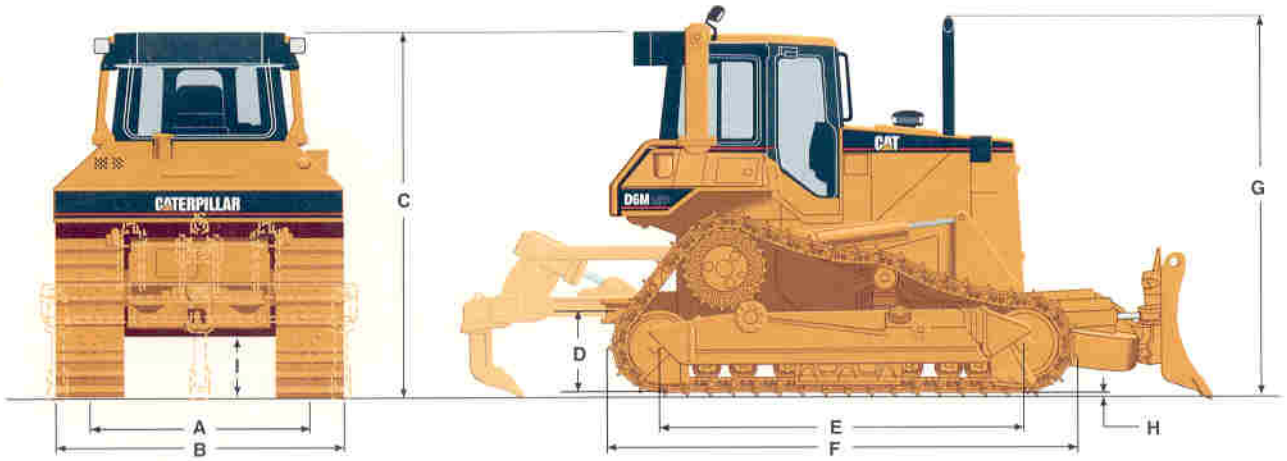
Operating weight

Includes above plus operator and full fuel tank.

	XL		LGP	
Power shift	15 050 kg	33,200 lb	16 500 kg	36,400 lb

Dimensions

(approximate)



Tractor Dimensions

	XL		LGP	
A. Track gauge	1890 mm	74"	2160 mm	85"
B. Width of tractor (standard shoes, no blade)	2490 mm	98"	3020 mm	119"
C. Machine height from tip of grouser with the following equipment:				
ROPS canopy	3022 mm	119"	3136 mm	123"
ROPS cab	3080 mm	121"	3194 mm	126"
D. Drawbar height (center of clevis) from ground face of shoe	595 mm	23.4"	710 mm	27.9"
E. Length of track on ground	2550 mm	100"	3082 mm	121"
F. Length of basic tractor (with drawbar)	3740 mm	147"	4149 mm	163"
With the following attachments, add to basic tractor length:				
Ripper	1016 mm	40"	1016 mm	40"
PA55 winch	381 mm	16"	381 mm	15"
SU blade	1180 mm	46.5"	—	
VPAT blade	1057 mm	41.6"	1244 mm	49"
G. Height over stack from tip of grouser	3152 mm	124"	3266 mm	129"
H. Height of grouser	57 mm	2.2"	57 mm	2.2"
I. Ground clearance from ground face of shoe (per SAE J1234)	424 mm	16.7"	538 mm	21.2"

Bulldozer Specifications

	(XL) 6 VPAT Blade		(XL) 6SU Blade		(LGP) 6 VPAT Blade	
Blade capacity (SAE J1265)	3.18 m^3	4.14 yd^3	4.28 m^3	5.57 yd^3	3.16 m^3	4.11 yd^3
Blade width (over end bits)	3274 mm	129"	3190 mm	125.6"	4080 mm	161"
Blade width (angled 25°)	2967 mm	116.8"	—	—	3698 mm	145.6"
Blade height	1195 mm	47"	1244 mm	49"	1025 mm	40.4"
Digging depth	444 mm	17.5"	520 mm	20.5"	433 mm	17.0"
Ground clearance	925 mm	36.4"	983 mm	38.7"	1024 mm	40.3"
Maximum tilt	497 mm	20"	665 mm	26.2"	598 mm	23.5"
Weight (without hyd. controls)	2372 kg	5229 lb	2427 kg	5351 lb	2819 mm	6215 lb
Total operating weight (with blade)	14 722 kg	32,456 lb	14 777 kg	32,578 lb	16 172 kg	35,653 lb

Ripper

Multi-shank parallelogram design lets you choose one, two or three shanks to match job conditions.

	XL		LGP	
Beam width	2202 mm	86.7"	2202 mm	86.7"
Cross section	216 x 254 mm	8.5 x 10"	216 x 254 mm	8.5 x 10"
Ground clearance under beam (raised)	1090 mm	42.9"	1205 mm	47.4"
(Under tip at full raise)	391.7 mm	15.4"	505.7 mm	19.9"
Number of pockets (teeth)	3		3	
Max. penetration	473.5 mm	18.6"	359.5 mm	14.2"
Max. pryout force	12 600 kg	27,780 lb	12 600 kg	27,780 lb
Max. penetration force (VPAT blade equipped — power shift)	6023 kg	13,278 lb	7198 kg	15,869 lb
Weight				
With three teeth	1406 kg	3100 lb	1406 kg	3100 lb
Each tooth	78 kg	172 lb	78 kg	172 lb

Standard Equipment

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

- Air cleaner, dry-type, with precleaner
- Air cleaner service indicator
- Air intake heater
- Alternator, 70-amp
- Automatic shifting features (Finger Tip Control models only)
  - Auto-kickdown (auto-downshift)
  - Auto shift (2R-1F, 2R-2F)
- Back up alarm
- Batteries
- Blower fan
- Brake system, service, parking and emergency
- Canopy, ROPS (depending on region)
- Computerized Caterpillar Monitoring System on Finger Tip Control models. Electronic Monitoring system on Lever Steering models.
- Decelerator
- Diagnostic connector
- Drawbar, rigid
- Dual fuel filters
- Ecology drains
- Electric hour meter
- Electric starting, 24-volt direct
- Engine, 3116 turbocharged diesel engine
- Engine enclosures, lockable
- Front pull device
- Fuel gauge
- Fuel priming pump
- Gauge package, temperature
  - Coolant
  - Transmission oil
- Guards:
  - Crankcase, normal service
  - End guiding
  - Instrument panel (OROPS)
  - Radiator, hinged
  - Rear
- Horn
- Hydraulics, three-valve for VPAT bulldozer
- IMRM radiator
- Lifetime Lubricated rollers and idlers
- Lockable storage compartment
- Mirror, rearview
- Muffler
- Precleaner
- Seat, vinyl suspension with adjustable armrests
- Seat belt
- Segmented sprocket
- Single key start
- Steering system:
  - Lever Steering or
  - Finger Tip Control
- Track:
  - Adjusters, hydraulic
  - Carrier rollers
  - Heavy Duty Sealed and Lubricated Track
    - with single grouser track shoes
    - XL — 40-section, 600 mm (24")
    - LGP —46-section, 860 mm (34")
    - Center track guiding guards
  - Two-piece master link
- Transmission, power shift
- Vandalism protection
- Water separator

Optional Equipment

Approximate changes in operating weights.

	Kg	Lb
Air conditioner	130	287
Armrest, electric adjustable for Finger Tip Control		
Back up alarm (std. in U.S.A.)	2	5
Bulldozers	(see page 17 for weights)	
Cab – ROPS sound suppressed with heater	364	802
Fan, reversible	8	18
Grill, heavy duty hinged radiator	32	92
Guards:		
Center section track guiding (XL)	72	159
Extreme service crankcase	62	137
Radiator core protector grid	16	35
Rear screen (for ROPS cab)	53	117
Rear screen (for use with air conditioner)	46	101
Rear screen (for ROPS canopy)	64	142
Fuel tank (for ROPS cab or canopy)	106	234
Track roller, full length	289	637
Heater, dash mounted (for ROPS canopy)	34	75
Hydraulics:		
Two valve for 6SU (XL) bulldozer	254	560
Three valve for 6SU (XL) and ripper	281	620
Four valve for 6P bulldozer and ripper	295	650
Lighting system, six lights:		
For use with ROPS cab	16	35
For use with ROPS canopy	16	35
Precleaner with prescreener	5	11
Ripper, parallelogram (with three curved teeth)*	1406	3100
Each tooth	78	172

	Kg	Lb
Starting aids:		
Ether starting aid	3	7
Engine coolant heater (dealer installed)	1	2
Heavy duty batteries	42	94
Suspension seat, contour (vinyl for canopy)	10	22
Sound suppression (European)	72	158
Sweeps (for ROPS canopy)	224	494
Tool kit (dealer installed)	15	33
Track, pair, Heavy Duty Sealed and Lubricated		
XL arrangement, 40-section:		
560 mm (22") MS/HD	-116	-256
560 mm (22") MS/RBT	-136	-300
560 mm (22") ES/HD	80	176
600 mm (24") MS/RBT	-20	-44
600 mm (24") ES/HD	214	472
LGP arrangement, 46-section:		
710 mm (28") MS/HD	-406	-895
710 mm (28") MS/RBT	-428	-944
865 mm (34") MS/RBT	-22	-49
860 mm (34") self cleaning/HD	-293	-646
Track rollers, high flange track guiding arrangement		
XL	27	60
LGP	30	66
Winch (standard and low speed)	1140	2513
Winch fairlead		
3 Roller	293	645
4 Roller	320	704

ES = Extreme service shoes, MS = Moderate service shoes, HD = Heavy duty link track, RBT = Rotating bushing track.

*Straight teeth available for ripper.