

D8T, D9T, D10T WH

Waste Handler



	D8T		D9T		D10T	
Engine						
Engine Model	Cat® C15 ACERT®		Cat C18 ACERT		Cat C27 ACERT	
Gross Power	259 kW	347 hp	346 kW	464 hp	493 kW	661 hp
Flywheel Power	231 kW	310 hp	306 kW	410 hp	433 kW	580 hp
Blades						
SU-Blade Capacity	19.9 m ³	26.1 yd ³	28.8 m ³	37.6 yd ³	—	—
U-Blade Capacity	24.8 m ³	32.4 yd ³	33.5 m ³	43.8 yd ³	48.9 m ³	63.9 yd ³

D8T, D9T, D10T WH Waste Handler

Specifically designed for waste handling and landfill debris environments.

Waste Handling Guards

- ✓ Extensive guarding helps protect critical machine components, body panels and the radiator from being damaged by debris under harsh waste handling environments. Minimizing build-up helps prevent component damage. **pg. 4**

Debris Resistant Features

- ✓ A variety of debris environment features are included with the Waste Handling Arrangement to reduce plugging, extend service life, and enhance productivity. **pg. 6**

Required Attachments

- ✓ These attachments are required and must be ordered with the basic Waste Handling Arrangement. These include clamshell guards, trash core AMOCS radiator, hydraulic reversing fan, precleaner, laminated thermal shields and rear striker bars. **pg. 7**

Caterpillar® Waste Handling Track-Type Tractors offer a variety of options to meet the demands of specific waste handling needs. Specially designed and field proven for work in the severest of landfill conditions.



Required Attachments

- ✓ These attachments are required and must be ordered with the basic Waste Handling Arrangement. These include hydraulic and fuel tank guards, ROPS-mounted air conditioners and condenser fans and cylinder mounted lights. **pg. 8**

Recommended Options

- ✓ Several additional options are highly recommended to complement the Waste Handling Arrangement and ensure peak performance. These range from landfill blades and front striker bars to specially designed track shoes and hydraulic rippers. **pg. 10**

Serviceability and Customer Support

The major component modular design concept moves a generation ahead in simplified service and repair. Customer support is unmatched in the industry. **pg. 12**



✓ *New Feature*

Waste Handling Guards

Extensive guarding helps protect critical machine components, body panels and the radiator from being damaged by debris under harsh waste handling environments. Minimizing build-up helps prevent component damage.



Radiator Guard. The heavy-duty hinged radiator guard protects the cooling system.



Tilt Cylinder Lines Guards. The tilt cylinder lines guards help protect hydraulic lines from contact damage, while maintaining hose flexibility.

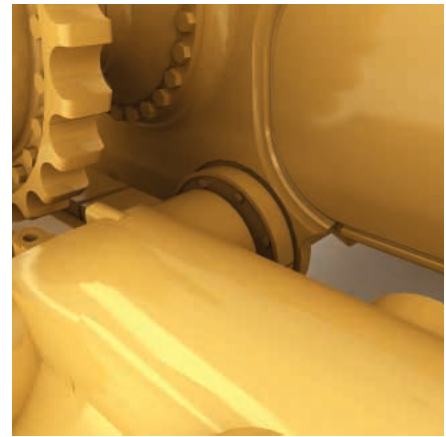


Crankcase (belly) Guards. The crankcase (belly) guards serve a dual purpose. They help prevent contact damage to vital power train components, and help keep debris out of the power train compartments.

Note: The D8T features an attachment guard that can be electrically raised and lowered.



Chassis Guards. The chassis guards help protect the engine compartment by deflecting debris from rising upward along the chassis.



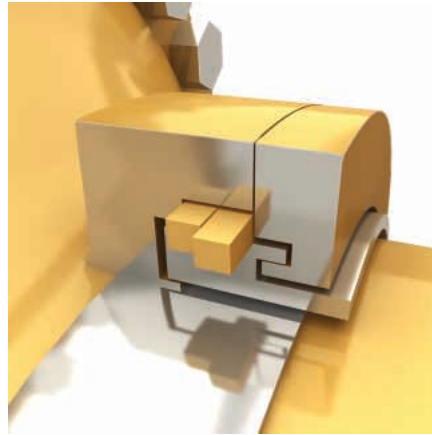
Pivot Shaft Seal Guards. The pivot shaft seal guards help prevent debris from entering and damaging the Duo-Cone® seals as well as protecting the bolts on the pivot shaft seal retainers.



Idler Seal Guards. The idler seal guards help keep wire, fishing line, strapping, etc., from wrapping around and damaging the Duo-Cone seals.



Final Drive Seal Guards. The final drive seal guards help prevent wire, nylon strapping, etc., from wrapping around and damaging the Duo-Cone seals. The outer guard is now stationary, thicker, and has increased hardness, all of which help prevent excessive wear from debris.



Seal Guard Design. This design offers superior protection to the seal. Debris would have to make four 90° turns, penetrate the packing material, and then make two additional 90° turns.

Debris Resistant Features

Additional modifications enhance productivity and help prevent damage.



Rear, Tank-mounted Lights. The rear, tank-mounted lights are relocated on the ROPS, which removes the lights from the concentrated debris environment to help protect them from damage. Combinations vary depending on each model.



Front Lights. The front lights are mounted on top of the bulldozer lift cylinders allowing them to project light over the trash rack and keep the lights above the concentrated debris environment for longer service life.



Heavy-duty Steps and Handles.

The heavy-duty steps and handles are manufactured from plate steel and solid rod to withstand the rigors of landfill operation.



Additional Sealing. To help eliminate debris entry into areas of the machine additional sealing is provided. Key areas include: engine enclosures, platforms, hydraulic tank, ROPS support, battery box, striker bar box, and rear case opening.



High-capacity Alternator. The high-capacity 95-amp alternator provides additional power required for electrical accessories such as supplemental lights and communications and entertainment radios. The ducting helps prevent debris from entering into the alternator.

Raised Prescreener. Raised prescreener helps reduce the likelihood of airborne paper or plastics plugging the air intake. It provides a larger air inlet. Part of standard waste handling modification when turbine precleaner is not ordered.



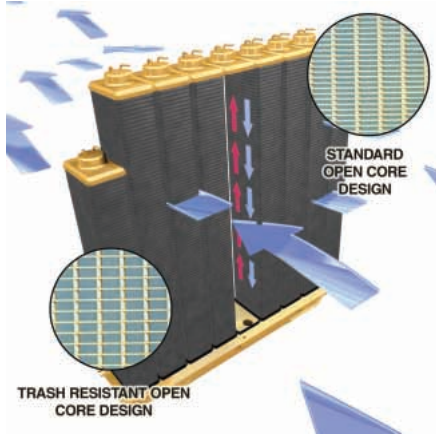
Clean-Out Slots. Clean-out slots are available to help keep the radiator core clear from debris. Machines equipped with clean-out slots are able to be manually cleaned to help keep your machine running trouble free.

Required Attachments

These options must be ordered in addition to the basic Waste Handling Arrangement.



Clamshell Guards. The clamshell guard provides a non-rotating guard installed over the final drives to help prevent wire wrap. The guard includes inspection plates.



Radiator (AMOCS). The AMOCS radiator utilizes an exclusive two pass cooling system and increased cooling surface area to provide significantly more cooling capacity than conventional systems. A trash core radiator is available with six fins per inch, replacing the standard nine fins per inch.



Hydraulic Reversing Fan. The fan system automatically reverses the fan at preset intervals, purging debris from the radiator and engine compartment. The operator can manually purge at anytime. The fan is controlled by the engine electrical control module.



Caterpillar Turbine Air Precleaner. The Caterpillar turbine provides improved engine air filtration by using the OPTIMAX dual-stage precleaner powered by the engine's intake and exhaust airflows. Intake air is spun by a flow driven impeller. Debris stratifies along the outer wall and is ejected back into the environment. Remaining contaminants are collected and removed by a secondary scavenger system, allowing only precleaned air to continue to the engine's air filter.

Required Attachments

These options must be ordered in addition to the basic Waste Handling Arrangement.



Enhanced Cab. The enhanced cab provides higher cab pressurization for improved cab air quality in dust and debris-laden applications. Includes a powered precleaner, with a high efficiency filter, which reduces system maintenance intervals.



Engine Enclosures. The engine enclosures consist of perforated hood and side panels. The enclosures help prevent airborne materials from entering the engine compartment and help reduce radiator plugging, which can cause cooling system problems.

Note: If the sound suppression arrangement is ordered, the perforated side panels are replaced with solid doors and the perforated hood is replaced with larger rectangular perforations.



Hydraulic and Fuel Tank guard. The hydraulic and fuel guard helps protect implement hydraulic oil tank, battery box and fuel tank.



Rear Striker Bars. The rear striker bars incorporate a rigid drawbar and housing with large access doors for storage on machines not equipped with rippers. The rear striker bars are counterweight-ready in case additional rear weight is needed. For machines with rippers, striker bars mount on ripper frame.

Note: The D10T uses rear counterweights instead of a housing with doors.



Supplemental Cylinder Mounted Lights. The supplemental cylinder mounted lights (four front) are repositioned from the fender/ openings to the top of the cylinders. The fender openings are covered with plates to prevent debris from entering. Chose from either Halogen or HID (high intensity discharge).



ROPS-mounted Air Conditioner Condenser and Fans. The ROPS-mounted air conditioner and fans are relocated from the engine compartment to the ROPS.

- Moving the condenser and fans away from the radiator reduces the concentration of debris and plugging. This relocation also increases the cooling capacity of the machine for operation in higher temperatures.

Note: The ROPS-mounted position raises the height of the machine an additional 30.5 cm (12 in).



Laminated Thermal Shields.

The laminated thermal shields cover the exhaust stack inside the compartment, hot-side of the turbocharger, and the exhaust manifold. These shields reduce surface temperatures well below the flash point of most common combustibles encountered.

Recommended Options

Features for peak performance. Several additional options are recommended to assist in matching your site requirements.



Caterpillar Landfill Blades.

The Caterpillar landfill blades increase the dozing capacity in trash and help prevent material from spilling over the blade and entering the radiator. Wear plates are available and are recommended when working in highly abrasive materials.



Front Striker Bars. The front striker bars angled design prevents debris from riding up the track and damaging the fenders or fuel and hydraulic tanks.



Fast Fuel System. The optional fast fuel system, with positive fuel shut-off to prevent fuel spillage, can decrease downtime.



Black Painted Hood, Cylinders, and Back of Blade. The black painted hood, cylinders, and back of blade reduces glare from lights while operating at night and while operating in direct sunlight.

Hydraulic Rippers. Hydraulic rippers are available as single or multi-shank to penetrate tough material fast and rip thoroughly.



Computer Aided Earthmoving System (CAES)

The Computer Aided Earthmoving System (CAES) is a high technology earthmoving tool that allows machine operators to achieve maximum landfill compaction, desired grade/slope, and conserve and ensure even distribution of valuable cover soil with increased accuracy. This state-of-the-art machine control system delivers real-time elevation, compaction and grade control information to machine operators on an in-cab display. By monitoring grade and compaction progress, operators have the information they need to maximize the efficiency of the machine, resulting in proper drainage and optimum airspace utilization.



Beacon Light. A heavy-duty Federal Signal Pulsator 551 single flash (5 joules) strobe beacon unit is weather sealed and water resistant with the power supply encased in gel. The beacon is wired directly and can only be turned off by the disconnect switch. Extends above the highest part of the machine for enhanced visibility.



Remote Disconnect. Located in the cab, the remote disconnect switch is in series with the standard machine disconnect. The switch, located on the left side of the operator seat at knee level, allows the operator to access the disconnect switch quickly.



Trapezoidal Hole Track Shoes. The trapezoidal hole track shoes reduce refuse packing within the track and reduces track chain tightening and accelerated pin and bushing wear. The trapezoidal holes relieve packing by allowing the sprocket to punch out dirt and debris.



Rear Vision Camera. An attachment WAVS rear vision camera is available to provide additional visibility to the standard mirrors.

Serviceability

Cat elevated sprocket tractors use a new generation modular design that simplifies service and repair. Easy maintenance and fast in-field component exchange gives you more time on the job.

Built-in Servicing Ease. Less service time computes to more production time. Major components are made as modules and most can be removed without disturbing or removing others.

Grouped Service Points. Grouped service points and easy access to servicing areas make routine inspections fast and convenient.

Quick Disconnect Fittings. The quick disconnect fittings allow for fast diagnosis of the power train and implement oil systems.

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

Diagnostic Connector. A diagnostic connector allows the Cat Dealer's electronic test instrument to quickly troubleshoot the electrical system or access stored data with the use of Electronic Technician (Cat ET) or ECAP.

Pre-testing Modular Components. Pre-testing modular components before installation or after repair assures quality.

Complete Customer Support

Unmatched in the industry!

Services. Your Cat dealer offers a wide range of services that can be set up under a Customer Support Agreement (CSA) 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.

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 a cost savings of 40 to 70 percent.

Service Capability. Whether in the dealer's fully equipped shop or in the field, you will get trained service technicians using the latest technology and tools.

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

Purchase. 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.

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

Customer Service Agreements. Dealer service response extends to programs such as Custom Track Service (CTS), Scheduled Oil Sampling, and guaranteed maintenance contracts that get peak life and performance from your machine.

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Specifications

Model (Standard)	D8T		D9T		D10T	
Flywheel Power	231 kW	310 HP	306 kW	410 HP	433 kW	580 HP
Operating Weight (PS)*	38 660 kg	85,150 lb	49 567 kg	109,180 lb	65 764 kg	144,986 lb
Engine Model**	Cat C15 ACERT		Cat C18 ACERT		Cat C27 ACERT	
Rated Engine RPM	1850		1800		1800	
No. of Cylinders	6		8		12	
Bore	137 mm	5.4 in	145 mm	5.7 in	137.2 mm	5.4 in
Stroke	172 mm	6.75 in	183 mm	7.2 in	152.4 mm	6.0 in
Displacement	15.2 L	928 in ³	18.1 L	1106 in ³	27 L	1647.5 in ³
Track Rollers (each side)	8		8		8	
Width of Standard Track Shoe	560 mm	22 in	610 mm	24 in	610 mm	24 in
Length of Track on Ground	3.21 m	10 ft 6.5 in	3.47 m	11 ft 5 in	3.88 m	12 ft 9 in
Ground Contact Area (with Std. Shoe)	3.58 m ²	5544 in ²	4.24 m ²	6569 in ²	4.7 m ²	7326 in ²
Track Gauge	2.08 m	6 ft 10 in	2.25 m	7 ft 5 in	2.55 m	8 ft 4 in
General Dimensions:						
Height (Stripped Top)***	2.67 m	8 ft 9 in	3.00 m	9 ft 10 in	3.22 m	10 ft 7 in
Height (top of ROPS)	3.46 m	11 ft 4 in	3.99 m	13 ft 1 in	4.34 m	14 ft 3 in
Overall Length:						
with Blade	6.09 m	20 ft 0 in	6.63 m	21 ft 10 in	7.50 m	24 ft 8 in
without Blade	4.64 m	15 ft 2 in	4.91 m	16 ft 1 in	5.33 m	17 ft 6 in
Width (over Trunnions)****	3.05 m	10 ft 0 in	3.30 m	10 ft 10 in	3.72 m	12 ft 2 in
Width (w/o Trunnions – Std. Shoe)****	2.64 m	8 ft 8 in	2.86 m	9 ft 5 in	3.16 m	10 ft 4 in
Ground Clearance	618 mm	24.3 in	596 mm	23.5 in	615 mm	24 in
Blade Types and Widths:						
SU	3.94 m	12 ft 11 in	4.31 m	14 ft 2 in	N/A	N/A
U	4.26 m	14 ft 0 in	4.66 m	15 ft 3 in	5.26 m	17 ft 3 in
Blade Capacities with Trash Rack:						
SU LGP (D8)	21.1 m ³	27.6 yd ³	N/A	N/A	N/A	N/A
SU	19.9 m ³	26.1 yd ³	28.8 m ³	37.6 yd ³	N/A	N/A
U	24.8 m ³	32.4 yd ³	33.5 m ³	43.8 yd ³	48.9 m ³	63.9 yd ³
Fuel Tank Refill Capacity	643 L	170.0 gal	889 L	235 gal	1109 L	293.0 gal

* Operating Weight: Includes lubricants, coolant, 100% fuel, hydraulic controls, ROPS canopy, FOPS Cab, SU-Blade (U-Blade for D10T) with trash rack, special radiator core reversible fan, drawbar, engine enclosures, fuel tank guard, extreme service crankcase (belly) guard, heavy-duty hinged radiator guard, higher prescreener, front and rear striker bars and operator.

** Engine model meets current levels of exhaust emission regulations for the EPA, EU, and JMOC at time of manufacture.

*** Height without ROPS canopy, exhaust pipe, seat or all easily removed encumbrances.

**** For all other models, refer to standard specalogs.

Note:

D8T configured with 8SU blade with 762 mm (30 in) track rack and 660 mm (26 in) track shoes.

D9T configured with 9SU blade with 914 mm (36 in) trash rack and 685 mm (27 in) track shoes.

D10T configured with 10U blade with 1107 mm (44 in) trash rack and 610 mm (24 in) track shoes.

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For more complete information on Cat products, dealer services,
and industry solutions, visit us on the web at www.cat.com

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Featured machines in photos may include additional equipment.
See your Caterpillar dealer for available options.

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Replaces AEHQ5633 (1-05)

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