

Cat[®] D1 MULCHER

FEATURES:

IMPROVED VISIBILITY

 A lower sloping hood line provides improved peripheral vision to the mulching head, allowing the operator to better assess the jobsite.

SEAT MOUNTED CONTROLS

 Mounted on the air suspension seats, these controls isolate the machine vibration from the operator, reducing operator fatigue.

INTUITIVE OPERATOR INTERFACE

 Primary display is a 254 mm (10") touchscreen color monitor with back up camera.

PRESSURIZED CAB

 Heated and air conditioned cab offers comfortable working environment resulting in less operator fatigue and improved productivity.

HINGED RADIATOR GRILL

Allows for easy clean out of radiator without the need for tools.

TRACTOR PLATFORM

- Balanced and rugged for operating in rough terrain and soft underfoot conditions.
- Optional blade to provide machine application versatility.

LONG LIFE MULCHING HEAD

 New Cat[®] HM518 mulcher frame is designed for longer life using cladding material in high wear areas.

HYDRAULICALLY CONTROLLED

 Mulcher conveniently operates with a hydraulically operated front door and adjustable push bar.

CLOSED LOOP HYDROSTATIC CIRCUIT

 Delivers efficient, high performance power to the mulcher head, using less pump flow.

REVERSIBLE DRUM

Easier operation and improved productivity.

DRUM SPEED BAR INDICATOR

 In-cab indicator, aids operator in managing ground speed and overall mulching productivity.

ENGINE

 Cat C3.6 diesel engine meets U.S. EPA Tier 4 Final/EU Stage V emission standards.

UNDERCARRIAGE

 Cat Heavy Duty (HD) Track with 406 mm (16 in) or 635 mm (25 in) track shoes provides superior flotation and stability for wide range of operating conditions.

REVERSING FAN

• Auto reversing fan changes air flow direction to purge debris from radiator and enclosures.

TURBINE PRECLEANER

Improves engine air filter life by removing large debris particles.

IMPROVED FUEL ECONOMY

• The D1 features the lowest fuel consumption in this size class with the same great performance you've come to expect.



Specifications

Engine

Engine Model	Cat C3.6	
Net Power @ 2,200 rpm		
SAE J1349	77.6 kW	104 hp
ISO 9249/EEC 80/1269	77.6 kW	104 hp
Power Train	Hydrostatic	
Displacement	3.6 L	220 in ³

• Net power is tested per ISO 9249:2007 and SAE J1349:2011 and as advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.

 All non-road U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 (Tier 4 Final) and Korea Tier 4 Final diesel engines are required to use only Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm EPA/10 ppm EU (mg/kg) sulfur or less.

Weights

Operating Weight	10 586 kg	23,338 lb
Operating Weight – LGP	10 981 kg	24,209 lb

• Specifications shown are for machine equipped with mulcher, cab Rollover Protective Structure (ROPS), back-up alarm, operator, coolant, lubricants and full fuel tank.

Cab

Ground Pressure - LGP

ROPS Falling Object Protective Structure (FOPS)	ISO 3471:2008 ISO 3449:2005 I	Level II
Transmission		
Drive Pumps Track Motors Relief Valve Settings Maximum Travel Speed – Forward Maximum Travel Speed – Reverse	1 2 48 500 kPa 9 km/h 10 km/h	7,033 psi 5.6 mph 6.2 mph
Undercarriage	·	
Number of Rollers (each side) Number of Shoes (each side) –	6	
Heavy Duty (HD) Track	43	
Shoe Width Shoe Width – LGP	406 mm 635 mm	16 in 25 in
Length of Track on Ground Length of Track on Ground – LGP Track Gauge Track Gauge – LGP Ground Pressure	2248 mm 2248 mm 1495 mm 1725 mm 44.5 kPa	89 in 89 in 59 in 68 in 6.45 psi

29.9 kPa

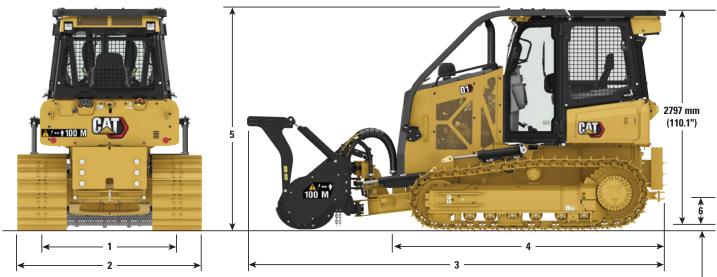
4.3 psi

Service Refill Capacities

Fuel Tank	195 L	51.5 gal
Crankcase and Filter	10.5 L	2.8 gal
Final Drives, (each side)	10 L	2.6 gal
Final Drives, LGP (each side)	10 L	2.6 gal
Cooling System	19 L	4.2 gal
Transmission/Hydraulic Tank	90 L	23.8 gal
Diesel Exhaust Fluid (DEF) Tank	19 L	4.9 gal
Hydraulic Controls		
Pump Output	65 L/min	17.2 gal/min
Relief Valve Settings	20 600 kPa	2,988 psi
Retrieval Winch		
Weight	794 kg	1,747 lb
Winch Drive	Hydraulic	
Control	Hydraulic	
Speed	Variable	
Winch Length	905 mm	35.63 in
Overall Width	709 mm	27.91 in
Drum Diameter	203.2 mm	8 in
Drum Width	245 mm	9.65 in
Throat Clearance	141.4 mm	5.6 in
Rope Diameter – recommended	16 mm	5/8 in
Rope Diameter – optional	19 mm	3/4 in
Drum Capacity – recommended cable	84 m	277 ft
Drum Capacity – optional cable	59 m	195 ft
Maximum Line Pull – bare drum	14 583 kg	32,150 lb
Maximum Line Pull – full drum	9231 kg	20,350 lb
Maximum Line Speed – bare drum	15 m/min	50 ft/min
Maximum Line Speed – full drum	24 m/min	79 ft/min

Dimensions

All dimensions are approximate.

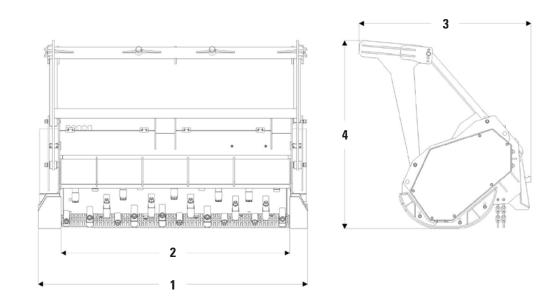


Grouser Height: 47 mm (1.9") -

	Stan	dard	LG	P
1 Track Gauge	1495 mm	58.9 in	1725 mm	67.9 in
2 Width of Tractor (standard shoes, no mulcher)	1901 mm	74.8 in	2360 mm	92.9 in
3 Overall Length (with blade)	4266 mm	168 in	4255 mm	167.6 in
4 Length of Basic Tractor (without mulcher)	3275 mm	128.9 in	3275 mm	128.9 in
5 Tractor Height	2845 mm	112 in	2763 mm	108.8 in
6 Ground Clearance	332 mm	13 in	332 mm	13 in

D1 Mulcher Specifications

Dimensions



	HM	518
1 Overall Width	2122 mm	84 in
2 Working Width	1822 mm	72 in
3 Length	1354 mm	53 in
4 Overall Height	1480 mm	58 in
Lift Height	787 mm	31 in
Maximum Tilt	368 mm	14.5 in
Maximum Angle (either side)	25°	
Weight	1450 kg	3,197 lb
Drive Method	Polycha	in belt
Motor	Closed loop hydrostatic	
Optimum Hydraulic Flow	114 L/min	30 gal/min
Optimum Hydraulic Pressure	407 bar	5900 psi
Drum Speed Range	2,150-2,4	450 rpm
Fixed Teeth Per Drum	38	3

D1 Mulcher Specifications



HM518 Mulcher



Single bolt carbide tooth retention



Mounting point same as blade



Bolt-on wear plates



Rear guard and counterweight



Sweeps and screens



72 inch drum



Drum direction and speed bar



Pressure gauge with color bars

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
POWER TRAIN		
Cat C3.6 diesel engine	√	
Turbocharged aftercooled	\checkmark	
Aluminum bar plate cooling system (radiator, power train)	\checkmark	
Air cleaner with precleaner, automatic dust ejection and under-hood intake	√	
Automatic traction control	✓	
Drive, auxiliary	✓	
Dual path, closed-loop hydrostatic transmission	\checkmark	
Electric fuel pump	✓	
Fuel/water separator	 ✓	
Reversing fan		
ELECTRICAL		
Alternator, 150 Amp, heavy duty	√	
Alarm, backup	· · ·	
Batteries, heavy duty, maintenance free, 1.000 CCA	√	
Diagnostic connector	1	<u> </u>
Horn, electric	• •	
Four integrated front halogen lights,	• •	
two rear halogen	v	
Four integrated front LED lights, two rear LED		
Starter, electric, 12 volt heavy duty	✓	
UNDERCARRIAGE		
Heavy Duty (HD) Track	√	
6 roller track frame	✓	
Track rollers, lifetime lubricated	✓	<u> </u>
Carrier rollers	√	
Track adjusters, hydraulic	✓	
Guards, front/rear guiding	✓	
MULCHER HYDRAULICS		
Hydraulics, 4 valve (for use with	√	
retrieval winch or ripper)		
Load sensing hydraulics	\checkmark	
Single lever, three function control	\checkmark	
Hydraulic pump and oil	\checkmark	<u> </u>
Closed-loop hydrostatic circuit	\checkmark	
Axial Piston variable displacement pump	\checkmark	
and motor		
GUARDS		
Guard, track guiding, center	√	
Screen, rear, cab	\checkmark	
Screen, side, cab	√	
Sweeps, front	\checkmark	
Sweeps, rear	√	
Heavy duty crankcase guard	✓	
BLADES*		
VPAT XL blade		✓
VPAT LGP blade		✓
VPAT Intermediate blade		\checkmark

OPERATOR ENVIRONMENT ROPS/FOPS cab ✓ Cab, polycarbonate windows and air conditioning ✓ Seat, air suspended, cloth ✓ Seatbelt, retractable 76 mm (3 in) ✓ Foot pads, dash ✓ Primary display, Z54 mm (10") touchscreen ✓ color monitor with back up camera Electronic Monitoring System with: - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine air cleaner service indicator, electronic ✓ - Mulcher drum speed and direction bar Slope Indicate Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armerests, adjustable ✓ Mirror, rearview, inside ✓ Stope Indicate ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Storage compartment ✓ Cat hook ✓ Cathook ✓ Cathook ✓ Catholder ✓ Power port, 12 volt <th></th> <th>Standard</th> <th>Optional</th>		Standard	Optional
ROPS/FOPS cab ✓ Cab, polycarbonate windows and air conditioning ✓ Seat, air suspended, cloth ✓ Seat, air suspended, cloth ✓ Seatbelt, retractable 76 mm (3 in) ✓ Foot pads, dash ✓ Primary display, 254 mm (10") touchscreen color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine RPM and gear display ✓ - Hour meter, electric ✓ - Slope Indicate ✓ - Water-in-fuel indicator, electronic ✓ - Mulcher drum speed and direction bar Slope Indicate Slope Indicate ✓ Ontrols, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Slope Indicate ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Storage compartment ✓ Cat hook ✓ Storage compartment ✓	OPERATOR ENVIRONMENT	otunuuru	optional
Cab. polycarbonate windows and air conditioning ✓ Seatbelt, retractable 76 mm (3 in) ✓ Foot pads, dash ✓ Primary display, 254 mm (10") touchscreen color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Bug mean digear display ✓ - Hour meter, electric ✓ - Mucher drum speed and direction bar ✓ Slope Indicate ✓ Ontrols, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Cat hook ✓ Cat hook ✓ Cat pholder ✓ Front pull device ✓ Front pull device ✓ Cat hook ✓ Cat hook ✓ Cat hook ✓ Catable		✓	
air conditioning Seat, air suspended, cloth Seatbelt, retractable 76 mm (3 in) Foot pads, dash Foot pads, das	,	√	
Seatbelt, retractable 76 mm (3 in) ✓ Foot pads, dash ✓ Primary display, 254 mm (10") touchscreen ✓ color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine APM and gear display ✓ - Hour meter, electric ✓ - Mulcher drum speed and direction bar Slope Indicate Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Cat hook ✓ </td <td></td> <td></td> <td></td>			
Seatbelt, retractable 76 mm (3 in) ✓ Foot pads, dash ✓ Primary display, 254 mm (10") touchscreen ✓ color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine APM and gear display ✓ - Hour meter, electric ✓ - Mulcher drum speed and direction bar Slope Indicate Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Cat hook ✓ </td <td>Seat, air suspended, cloth</td> <td>√</td> <td></td>	Seat, air suspended, cloth	√	
Foot pads, dash ✓ Primary display, 254 mm (10") touchscreen color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine RPM and gear display ✓ - Hour metr, electronic ✓ - Mucher drum speed and direction bar Slope Indicate Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Cast hook ✓ Chrome, reapine, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ Catorolule oil and engine colant) ✓ Scheduled oil sampling (SOS SM) ports ✓ Ecology drains (engine, power train and implement oil <td< td=""><td></td><td>√</td><td></td></td<>		√	
Primary display, 254 mm (10") touchscreen ✓ color monitor with back up camera ✓ Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic ✓ - Engine RPM and gear display ✓ - Hour meter, electroic ✓ - Engine air cleaner service indicator, electronic ✓ - Mulcher drum speed and direction bar Slope Indicate Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Front pull device ✓ Coat hook ✓ Storage compartment ✓ Coat hook ✓ Storage compartment ✓ Lockable engine enc		√	
color monitor with back up camera Electronic Monitoring System with: ✓ - Gauges for engine coolant temperature, hydraulic oil temperature and fuel level ✓ - Travel speed limiter, electronic Engine RPM and gear display - Hour meter, electric ✓ - Engine air cleaner service indicator, electronic ✓ - Water-in-fuel indicator, electronic ✓ - Mulcher drum speed and direction bar ✓ Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Cott hook ✓ Storage compartment ✓ Cott holder ✓ From pull device ✓ Front pull device ✓ Ecology drains (engine, power train and lines ✓ Lockable engine enclosures ✓ Front pull device </td <td>•</td> <td>✓</td> <td></td>	•	✓	
 Gauges for engine coolant temperature, hydraulic oil temperature and fuel level Travel speed limiter, electronic Engine RPM and gear display Hour meter, electric Engine air cleaner service indicator, electronic Water-in-fuel indicator, electronic Mulcher drum speed and direction bar Slope Indicate Mulcher drum speed and direction bar Controls, seat mounted, fore/aft adjustment Armrests, adjustable Gintrols, seat mounted, fore/aft adjustment Armrests, adjustable Single pedal combining deceleration and braking functions Independent forward/reverse speed settings Power port, 12 volt Coat hook Storage compartment Cat Product Link™ PL641 Cellular C-Frame, VPAT, hydraulic cylinders and lines Lockable engine enclosures Front pull device Ecology drains (engine, power train and implement oil and engine coolant) Scheduled oil sampling (SOSSM) ports Gounterweight, rear Winch, retrieval Yinch, retrieval 			
hydraulic oil temperature and fuel level - Travel speed limiter, electronic - Engine RPM and gear display - Hour meter, electric - Engine air cleaner service indicator, electronic - Water-in-fuel indicator, electronic - Mulcher drum speed and direction bar Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Cat hook ✓ Storage compartment ✓ Cat polder ✓ Floor mat, rubber, heavy duty ✓ OtHER ✓ Lockable engine enclosures ✓ Front pull device ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train im	Electronic Monitoring System with:	\checkmark	
- Travel speed limiter, electronic - Engine RPM and gear display - Hour meter, electric - Engine air cleaner service indicator, electronic - Water-in-fuel indicator, electronic - Mulcher drum speed and direction bar Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Front pull device ✓ Rearview camera ✓ Vandalism protection ✓			
 Engine RPM and gear display Hour meter, electric Engine air cleaner service indicator, electronic Water-in-fuel indicator, electronic Mulcher drum speed and direction bar Slope Indicate Throttle switch, rotary Controls, seat mounted, fore/aft adjustment Armrests, adjustable Mirror, rearview, inside Single pedal combining deceleration and braking functions Independent forward/reverse speed settings Power port, 12 volt Radio, AM/FM, Bluetooth[®] ✓ Coat hook ✓ Storage compartment ✓ Cat Product Link™ PL641 Cellular ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) Scheduled oil sampling (SOSSM) ports ✓ Vandalism protection ✓ Wandalism protection ✓ Wandalism protection ✓ Kearview camera ✓ Winch, retrieval ✓ Vinch, retrieval ✓ Extended life coolant, 120 volt ✓ Katring aid, ether ✓ <li< td=""><td></td><td></td><td></td></li<>			
 Hour meter, electric Engine air cleaner service indicator, electronic Water-in-fuel indicator, electronic Mulcher drum speed and direction bar Slope Indicate Throttle switch, rotary Controls, seat mounted, fore/aft adjustment Armrests, adjustable Armrests, adjustable Mirror, rearview, inside Single pedal combining deceleration and braking functions Independent forward/reverse speed settings Power port, 12 volt Radio, AM/FM, Bluetooth[®] Coat hook Storage compartment Coat hook Storage compartment Cat Product Link™ PL641 Cellular C-Frame, VPAT, hydraulic cylinders and lines Lockable engine enclosures Front pull device Front pull device Front pull device Scheduled oil sampling (SOSSM) ports (engine, power train and implement oil) Vandalism protection Hinged radiator grill Rearview camera Counterweight, rear Winch, retrieval Y Starting aid, ether Y Starting aid, ether Y 			
 Engine air cleaner service indicator, electronic Water-in-fuel indicator, electronic Mulcher drum speed and direction bar Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER Cat Product Link™ PL641 Cellular ✓ Cr-Frame, VPAT, hydraulic cylinders and lines ✓ Front pull device ✓ Front pull device ✓ Cology drains (engine, power train and implement oil and engine coolant) Schedule di sampling (SOSSM) ports ✓ Gounterweight, rear ✓ Winch, retrieval ✓ Winch, retrieval ✓ Katring aid, ether ✓ 			
electronic - Water-in-fuel indicator, electronic - Mulcher drum speed and direction bar Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Winch, retrieval ✓			
- Mulcher drum speed and direction bar Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ ✓ Hinged radiator grill ✓ ✓ Rearview camera ✓ ✓ Counterweight, rear <td< td=""><td>-</td><td></td><td></td></td<>	-		
Slope Indicate ✓ Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ ✓ Hinged radiator grill ✓ ✓ Rearview camera ✓ ✓ Counterweight, rear ✓ ✓ Winch, retrieval <td></td> <td></td> <td></td>			
Throttle switch, rotary ✓ Controls, seat mounted, fore/aft adjustment ✓ Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration ✓ and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link TM PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and lines ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓			
Controls, seat mounted, fore/aft adjustment✓Armrests, adjustable✓Mirror, rearview, inside✓Single pedal combining deceleration and braking functions✓Independent forward/reverse speed settings✓Power port, 12 volt✓Radio, AM/FM, Bluetooth®✓Coat hook✓Storage compartment✓Cup holder✓Floor mat, rubber, heavy duty✓OTHER✓Cat Product Link™ PL641 Cellular✓Lockable engine enclosures✓Front pull device✓Ecology drains (engine, power train and implement oil and engine coolant)✓Scheduled oil sampling (SOS SM) ports (engine, power train implement oil)✓Vandalism protection✓Hinged radiator grill Heater, engine, coolant, 120 volt✓Starting aid, ether Extended life coolant, -50° C (-58° F)✓			
Armrests, adjustable ✓ Mirror, rearview, inside ✓ Single pedal combining deceleration ✓ and braking functions Independent forward/reverse speed settings ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ Vandalism protection ✓ Hinged radiator grill ✓ Vinch, retrieval ✓ Veinch, retrieval ✓ Katring aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		√	
Mirror, rearview, inside ✓ Single pedal combining deceleration ✓ and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Kearview camera ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		√	
Single pedal combining deceleration and braking functions ✓ Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		\checkmark	
and braking functions Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ ✓ Hinged radiator grill ✓ ✓ Rearview camera ✓ ✓ Counterweight, rear ✓ ✓ Winch, retrieval ✓ ✓ Heater, engine, coolant, 120 volt ✓ ✓ Starting aid, ether ✓ ✓		\checkmark	
Independent forward/reverse speed settings ✓ Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Extended life coolant, -50° C (-58° F) ✓		\checkmark	
Power port, 12 volt ✓ Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓			
Radio, AM/FM, Bluetooth® ✓ Coat hook ✓ Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Extended life coolant, -50° C (-58° F) ✓		√	
Coat hook✓Storage compartment✓Cup holder✓Floor mat, rubber, heavy duty✓OTHER✓Cat Product Link™ PL641 Cellular✓C-Frame, VPAT, hydraulic cylinders and lines✓Lockable engine enclosures✓Front pull device✓Ecology drains (engine, power train and implement oil and engine coolant)✓Scheduled oil sampling (SOS SM) ports (engine, power train implement oil)✓Vandalism protection✓Hinged radiator grill✓Rearview camera Counterweight, rear✓Winch, retrieval Heater, engine, coolant, 120 volt✓Starting aid, ether Extended life coolant, -50° C (-58° F)✓		√	
Storage compartment ✓ Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓			√
Cup holder ✓ Floor mat, rubber, heavy duty ✓ OTHER ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		√	
Floor mat, rubber, heavy duty ✓ Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Extended life coolant, -50° C (-58° F) ✓		\checkmark	
OTHER Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓	•	√	
Cat Product Link™ PL641 Cellular ✓ C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		√	
C-Frame, VPAT, hydraulic cylinders and lines ✓ Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓			
Lockable engine enclosures ✓ Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports ✓ (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		✓	
Front pull device ✓ Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		✓	
Ecology drains (engine, power train and implement oil and engine coolant) ✓ Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		\checkmark	
and implement oil and engine coolant) Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓	-	\checkmark	
Scheduled oil sampling (SOS SM) ports (engine, power train implement oil) ✓ Vandalism protection ✓ Hinged radiator grill ✓ Rearview camera ✓ Counterweight, rear ✓ Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		\checkmark	
(engine, power train implement oil) Vandalism protection Hinged radiator grill Rearview camera Counterweight, rear Winch, retrieval Heater, engine, coolant, 120 volt Starting aid, ether Extended life coolant, -50° C (-58° F)			
Vandalism protection✓Hinged radiator grill✓Rearview camera✓Counterweight, rear✓Winch, retrieval✓Heater, engine, coolant, 120 volt✓Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓		\checkmark	
Hinged radiator grill✓Rearview camera✓Counterweight, rear✓Winch, retrieval✓Heater, engine, coolant, 120 volt✓Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓			
Rearview camera✓Counterweight, rear✓Winch, retrieval✓Heater, engine, coolant, 120 volt✓Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓			
Counterweight, rear✓Winch, retrieval✓Heater, engine, coolant, 120 volt✓Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓			
Winch, retrieval ✓ Heater, engine, coolant, 120 volt ✓ Starting aid, ether ✓ Extended life coolant, -50° C (-58° F) ✓		✓	,
Heater, engine, coolant, 120 volt✓Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓			✓
Starting aid, ether✓Extended life coolant, -50° C (-58° F)✓			√
Extended life coolant, −50° C (−58° F) ✓			\checkmark
			\checkmark
Extended life coolant, −37° C (−35° F) ✓			\checkmark
	Extended life coolant, –37° C (–35° F)	\checkmark	

*Blades available to order at time of dozer purchase or post purchase through your Cat dealer.

_

D1 Mulcher Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.

Engine

- The Cat[®] C3.6 engine meets U.S. EPA Tier 4 Final and EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
 - ✓ 20% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

*Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Air Conditioning System

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.8 kg (4.0 lb) of refrigerant, which has a CO_2 equivalent of 2.574 metric tonnes (2.873 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
- Barium < 0.01%
- Cadmium < 0.01%
- Chromium < 0.01%
- Lead < 0.01%

Sound Performance

With cooling fan speed at 70% of the maximum value:

Guaranteed Exterior Sound Power (2000/14/EC ISO 6395:2008) – 109 dB(A)

Dynamic Operator Sound Pressure Level (ISO 6396:2008) – 76 dB(A)

• Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/ windows open) for extended periods or in a noisy environment.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
- Eco mode minimizes fuel consumption for light applications
- Save fuel with efficiency features such as engine idle shutdown
- Extended maintenance intervals reduce fluid and filter consumption
- Cut maintenance costs with extended maintenance intervals
- Remote Flash and Remote Troubleshoot

Recycling

• The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	81.19%
Iron	8.48%
Nonferrous Metal	3.29%
Uncategorized	1.87%
Fluid	1.52%
Other	1.36%
Mixed Metal	0.87%
Plastic	0.64%
Mixed-Metal and Nonmetal	0.60%
Rubber	0.18%
Mixed Nonmetallic	0%
Total	100.00%

• A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714 (Earth-moving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following values in the table may vary.

Recyclability - 98%

The data provided above was based on the product configuration as provided by the individual product group.

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

© 2024 Caterpillar All rights reserved

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

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission. AEHQ8397-02 (07-2024) Replaces AEHQ8397-01 Build Number: 12B (North America and Europe)

