



534E

WHEEL LOADER



Net Horsepower
169 kW (227 hp)

Bucket Capacity
2.6 m³ to 5.7 m³
(3.4 yd³ to 7.5 yd³)

Operating Weight
20828 kg (45,917 lb)

The best in the business for productivity features and a wide choice of working



Dependable drive & brake system

Planetary final drives, fully floating drive axles with conventional differentials provide most efficient mechanical transfer of torque and best fuel economy under good traction conditions. Operating independently, front and rear brake circuits ensure the safe loader operation through step less loader speed control.

Cooling system

3-in-1 cooling module including radiator, transmission oil cooler and charge air cooler, uses new variable speed cooling fan to satisfy cooling needs of the engine and machine drive train.

ty, performance
ng equipment.



Operator's comfort

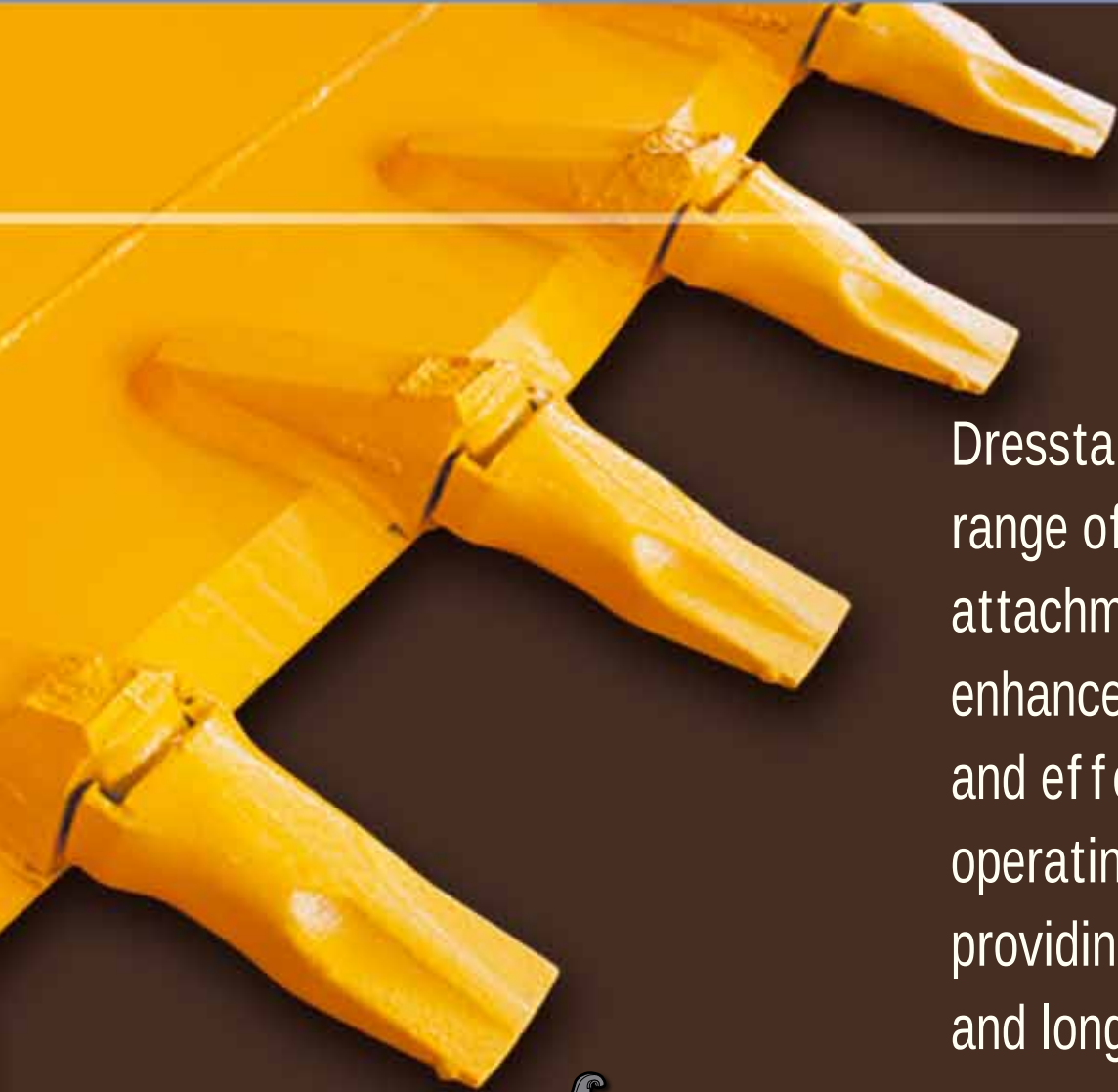
Standard cab equipped with ROPS/FOPS structure, heater and ventilation system provides good operator comfort and protection.

Seat, suspension type with adjustable height, tilting, forward and back movement, arm rests and headrest provides the best position and reduces operator fatigue.

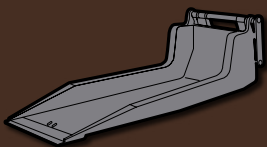
Heavy-duty engine

Cummins QSC8.3 engine meets EU Stage IIIA emissions standards. The QSC advanced electronics provide enhanced engine performance with higher torque and better throttle response at every rpm. With its ideal combination of electronic controls and durable block design, this engine is ready to meet even toughest machine work conditions. Long maintenance intervals, better cold starting and quieter operation provide improved operator comfort.





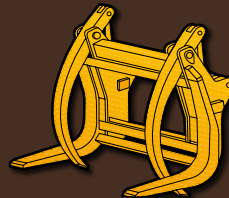
Dressta offer a wide range of high quality attachments that enhance the versatility and efficiency in all operating conditions, providing durability and long service life.



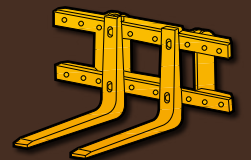
Belt conveyor vicinity clean up bucket



Fork-lift attachment for use with tool carrier



Hydraulic grapple for logs



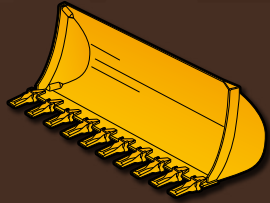
Fork-lift attachment

Tool carrier, quick coupler assists operator to switch attachments without the need to leave the cab. Specialized combinations of the loader and hydraulic grapple for forestry work, fork-lift attachments or specialist buckets ensure excellent loading performance and increased loader versatility.

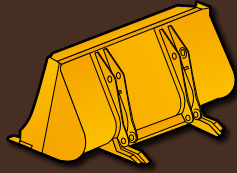




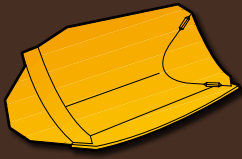
Different applications require a purpose built bucket, for any material density or abrasiveness. Our buckets equipped with the best tooth system, bolt-on or welded adapters and cutting edges, ensure excellent penetration and maximum productivity.



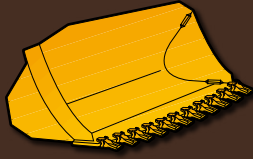
General purpose buckets with teeth, spade nose, straight edge and bolt-on cutting edge



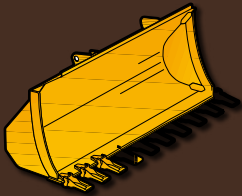
General purpose bucket w/ripper



Rock bucket, spade nose



Rock bucket, spade nose with teeth



Rock bucket, straight edge with teeth

Agricultural, ejector bucket

High dump bucket with teeth

Light material bucket

Multipurpose bucket

Rock bucket, with teeth, for use with tool carrier



Specification

ENGINE

* Make and model	CUMMINS QSC8.3
Type	In-line, 6-cylinder
Aspiration	Turbocharged and CAC
Fuel system	HPI Electronic
Gross Horsepower, SAE J1995	179 kW (240 hp)
** Net Horsepower, SAE J1349/ISO 9249	169 kW (227 hp)
Rated rpm	2200 rpm
Max. torque @ 1500 rpm	1085 Nm (800 ft-lb)
Displacement	8.3 l (505 in ³)
Bore and stroke	114 x 135 mm (4.49" x 5.32")
Air cleaner	dry type with service indicator

* Meets EU Stage IIIA and EPA Tier 3 emission regulations

** Net Horsepower at the minimum speed of hydraulic fan 177 kW (237 hp)

TRANSMISSION & TORQUE CONVERTER

Electrically controlled, countershaft type powershift, 4 speeds forward and 4 reverse.

Gear change (1st to 2nd and 3rd to 4th) and travel direction change – power shifted, electrically controlled. Speed range change – mechanically controlled with machine stopped or at slow speed if the green light of transmission shifter lock release is on.

Single stage, single phase type torque converter with a 2.7:1 stall ratio.

TRAVEL SPEEDS

Gear	Forward & Reverse	
	km/h	(mph)
1 st	8.2	(5.1)
2 nd	16.4	(10.2)
3 rd	27.2	(16.9)
4 th	42.4	(26.3)

AXLES

Full-floating axle shafts and planetary final drive. Four wheel drive. Front axle fixed, rear axle oscillates a total of 26°. Vertical wheel travel of 480 mm (18.9"). Conventional differentials.

STEERING SYSTEM

Articulated frame. Hydrostatic type providing smooth, responsive steering at any engine speed.

Auxiliary steering – ground driven.

Articulation, right or left	35°/35°
Turning radius	6.22 m (20'5")

BRAKES

Service – four wheel, air-over-hydraulic, dry disc.

Parking – air release, spring apply, disc type, on front axle with indicator light.

LOADER LINKAGE

Parallel loader linkage with sealed pivot points; extended lubrication intervals.

HYDRAULIC CONTROLS

Boom positions: raise, hold, lower, float.

Bucket positions: rollback, hold dump.

HYDRAULIC SYSTEM

Reservoir with sight gauge and 10-micron return filters.

Pumps, gear type driven from torque converter:

Output @ 2200 rpm and 16 MPa (2,320 psi)

– main, hydraulic equipment – 188 l/min (50 gpm)

– steering and hydraulic equipment – 173 l/min (46 gpm)

– fan drive – 40 l/min (10.6 gpm)

Equipment control valve:

Low effort, 2-spool or 3-spool with relief valve.

Relief valve pressure 16 MPa (2,320 psi).

Cylinders (double acting) – hardened chrome plated piston rods.

Boom – Bore and Stroke (2)

Bucket – Bore and Stroke (2)

Steering – Bore and Stroke (2)

Hydraulic cycle times: raise boom – 6 sec, dump bucket – 2 sec,

lower boom – 3.5 sec.

REFILL CAPACITIES

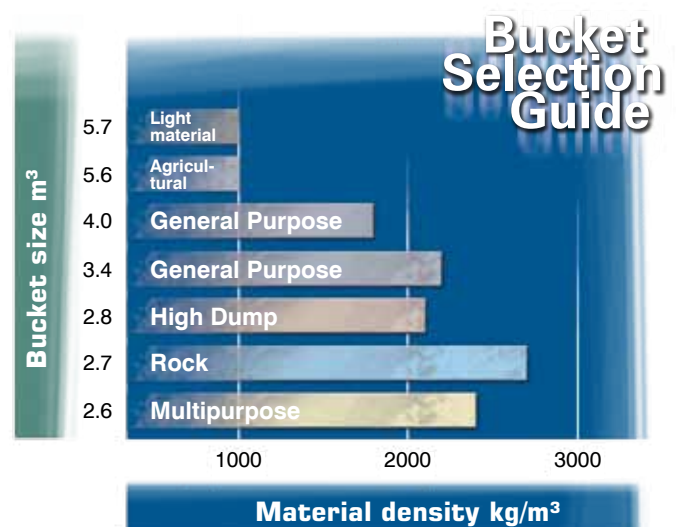
	Liter	(US gal)
Fuel tank	350	(92.5)
Cooling system	35	(9.2)
Crankcase w/filters	23.8	(6.3)
Transmission system	133	(35.1)
Differential & final drive, each	42	(11.1)
Hydraulic reservoir	230	(60.8)
Hydraulic system	310	(81.9)

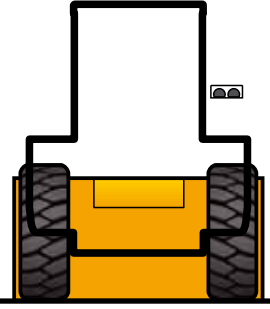
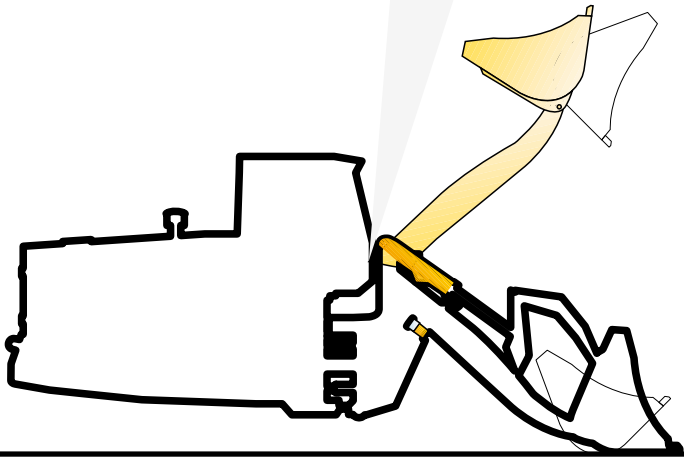
INSTRUMENTATION

Gauges: brake system air pressure, engine coolant temp., engine lube oil pressure, engine oil temp., torque converter oil temp., fuel level, speedometer, voltmeter, hourmeter, tachometer.

Warning lights: engine coolant overheat, low engine lube oil pressure, low air pressure, low coolant level, ground driven steering, low fuel level, parking brake applied, filter service indicators (hydraulic and steering system, air cleaner).

Visual sight gauges for hydraulic reservoir and transmission oil.





534E WHEEL LOADER



STANDARD EQUIPMENT

- Air cleaner, dry type with service indicator
- Alarm, back-up
- Alternator, 70 A
- Auxiliary steering – ground driven
- Axles, conventional differentials, outboard planetary final drives
- Back-up lights
- Batteries, (2) 12 V, 1150 CCA
- Beacon light, rotating
- Boom kickout
- Brakes; service – four wheel, air – over – hydraulic, dry disc; parking – disc type, front axle mounted
- Cab with heater/pressurizer/defroster, dome light, inside mirror, sun visor, wipers w/washers, ROPS/FOPS, 2 post (SAE J1040 and J231)
- CE accessories: fire extinguisher, first aid kit, grease gun, tools
- Cooling module; includes radiator, transmission and torque converter oil cooler, charge air cooler
- Cooler, equipment hydraulic oil
- Counterweight, 2650 kg (5,842 lb)
- Engine hood, sloped
- Fan, hydraulically driven, suction type, variable speed
- Fenders, front and rear
- Filters, engine oil and fuel, hydraulics, transmission-torque converter
- Grill, rear, vertically hinged
- Horn, electric
- Hydraulic control, single lever (joystick)
- Instruments:
 - Gauges: brake system air pressure, engine coolant temp., engine lube oil pressure, engine oil temp., torque converter oil temp., fuel level, voltmeter, hourmeter, tachometer
 - Sight gauges: hydraulic reservoir, transmission oil
 - Warning lights: engine coolant overheat, low engine lube oil pressure, low air pressure, low coolant level, ground driven steering, low fuel level, parking brake applied, filter service indicators (hydraulic and steering system, air cleaner)
- Ladder, left and right side
- Lights, working and travelling, 4F and 2R, 2 stop and tail, turn signals
- Master electrical disconnect
- Mirrors, LH and RH, rearview
- Seat belt (SAE J386)
- Seat, suspension type, adjustable height, tilting, forward and backward movement
- Starting, 24V
- Starting aid – air grid heater
- Steering, hydrostatic, articulated frame
- Tires, tubeless 23.5 x 25, 20 PR (L-3)
- Torque converter, single stage
- Towing pin
- Transmission, powershift, electrically controlled, 4 speeds forward and 4 reverse
- Valve, 2-spool
- Vandalism protection

OPTIONAL ATTACHMENTS

- Air conditioner and heater/pressurizer/defroster
- AM/FM CD radio
- Arctic package
- Brake lines guards (for severe service and forestry application)
- Centralized lubricating system
- Guards, lights
- Hydraulic kit; includes 3-spool valve, piping, controls and auxiliary lever
- Lights, additional, 2F - 2R, cab mtd.
- 1000-1500-2000h maintenance packages
- Speedometer
- Superstructure w/sound suppression package (meets CE requirements)
- Tool carrier, quick coupler
 - Working attachments for use w/tool carrier:
 - bucket, general purpose, spade nose, 3.4 cu.m (4.5 cu.yd)
 - bucket, general purpose, straight edge w/teeth, 3.4 cu.m (4.5 cu.yd)
 - rock bucket, straight edge w/teeth, 2.7 cu.m (3.5 cu.yd)
 - fork-lift attachment, 7000 kg (15,430 lb) lifting capacity
- Working attachments:
 - bucket, general purpose, 3.4 cu.m (4.5 cu.yd) with ripper
 - bucket, general purpose, 3.4 cu.m (4.5 cu.yd), spade nose
 - bucket, general purpose, 3.4 cu.m (4.5 cu.yd), spade nose w/bolt-on cutting edge
 - bucket, general purpose, 3.4 cu.m (4.5 cu.yd), spade nose w/teeth
 - bucket, general purpose, 3.4 cu.m (4.5 cu.yd), straight edge w/bolt-on cutting edge
 - bucket, general purpose, 4.0 cu.m (5.2 cu.yd), straight edge w/bolt-on cutting edge
 - bucket, general purpose, 4.0 cu.m (5.2 cu.yd), straight edge w/teeth
 - agricultural, ejector bucket, 5.6 cu.m (7.3 cu.yd)
 - high dump bucket, 2.8 cu.m (3.7 cu.yd), w/teeth
 - light material bucket, 5.7 cu.m (7.5 cu.yd)
 - multipurpose bucket, 2.6 cu.m (3.4 cu.yd), w/teeth
 - rock bucket, 2.7 cu.m (3.5 cu.yd), spade nose
 - rock bucket, 2.7 cu.m (3.5 cu.yd), spade nose w/teeth
 - rock bucket, 2.7 cu.m (3.5 cu.yd), straight edge w/teeth
 - bucket, belt conveyor vicinity clean up
 - fork-lift attachment, 5500 kg (12,125 lb) lifting capacity
 - hydraulic grapple for logs

Specifications subject to change without notice. Illustrations and pictures may include optional attachments and accessories and may not include all standard equipment.

DRESSTA

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