



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.

ity, performance
ng equipment.



Operator's comfort

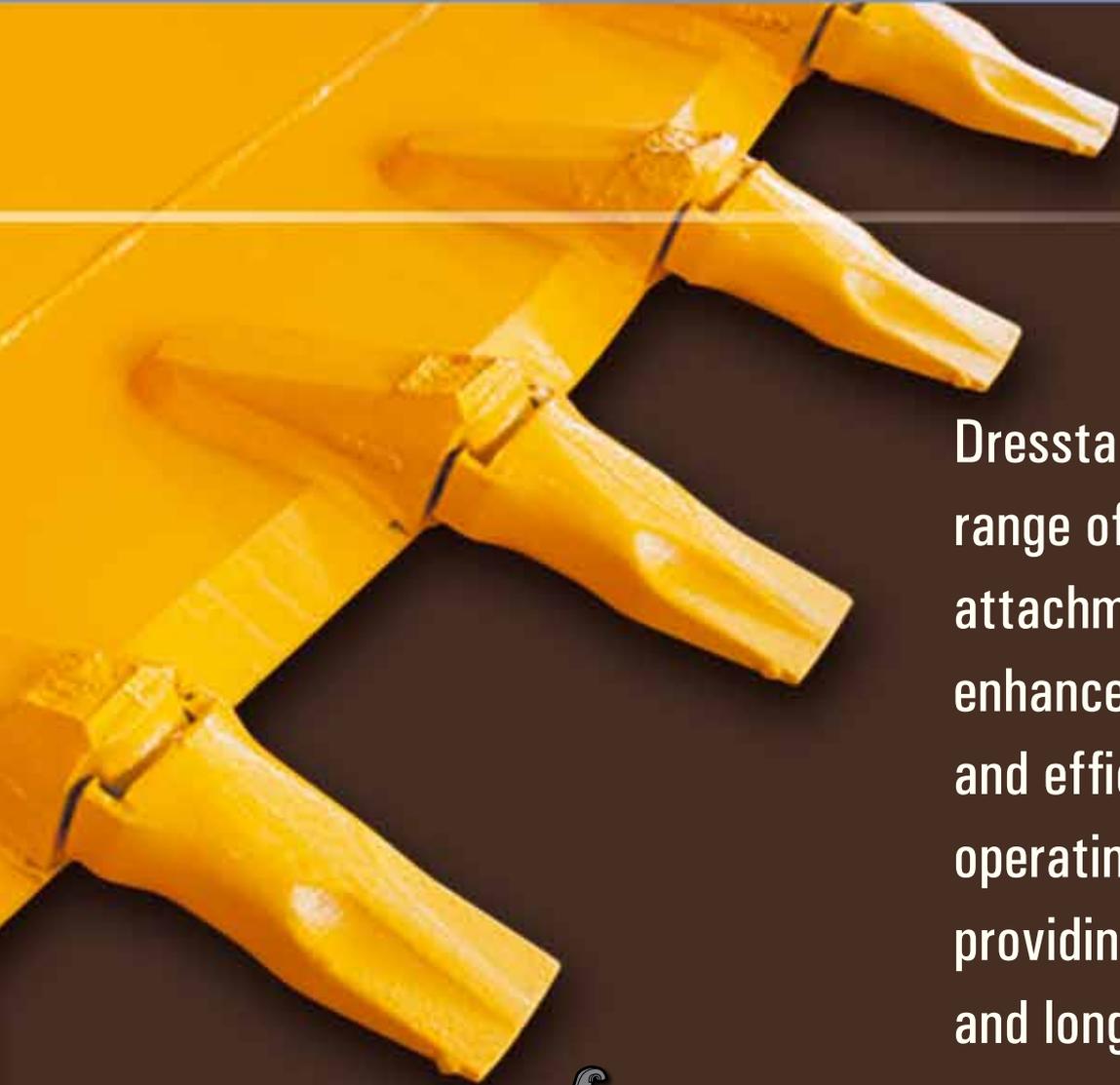
Standard cab equipped with ROPS/FOPS structure, heater and ventilation system provides good operator comfort and protection.

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

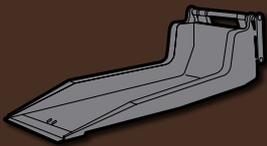
Heavy-duty engine

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.





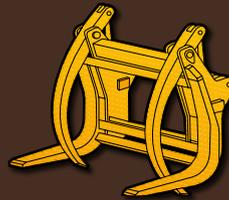
Dressta offer a wide range of high quality attachments that enhance the versatility and efficiency in all operating conditions, providing durability and long service life.



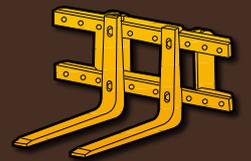
Belt conveyor vicinity clean up bucket



Fork-lift attachment for use with tool carrier



Hydraulic grapple for logs



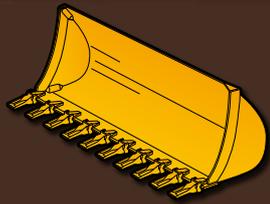
Fork-lift attachment

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.

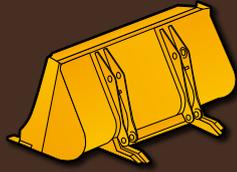




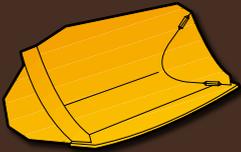
Different applications require a purpose built bucket, for any material density or abrasiveness. Our buckets equipped with the best tooth system, bolt-on or welded adapters and cutting edges, ensure excellent penetration and maximum productivity.



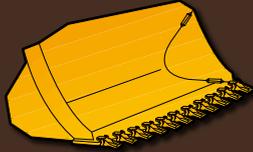
General purpose buckets with teeth, spade nose, straight edge and bolt-on cutting edge



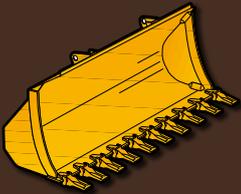
General purpose bucket w/ripper



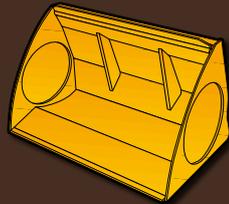
Rock bucket, spade nose



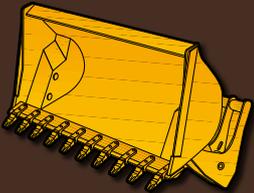
Rock bucket, spade nose with teeth



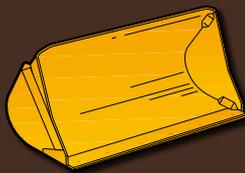
Rock bucket, straight edge with teeth



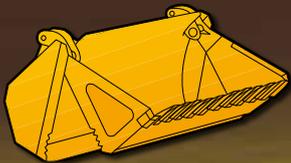
Agricultural, ejector bucket



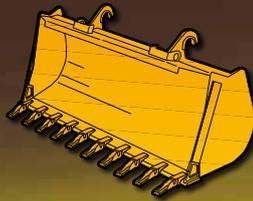
High dump bucket with teeth



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

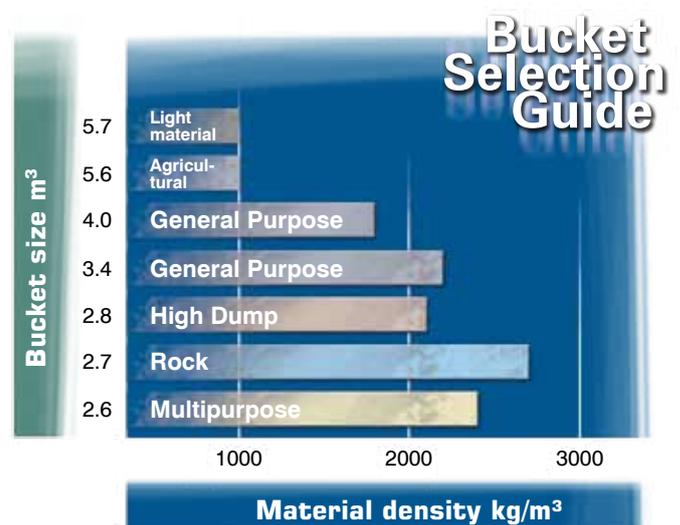
| | Liter | (US gal) |
|----------------------------------|-------|----------|
| Fuel tank | 350 | (92.5) |
| Cooling system | 35 | (9.2) |
| Crankcase w/filters | 23.8 | (6.3) |
| Transmission system | 133 | (35.1) |
| Differential & final drive, each | 42 | (11.1) |
| Hydraulic reservoir | 230 | (60.8)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

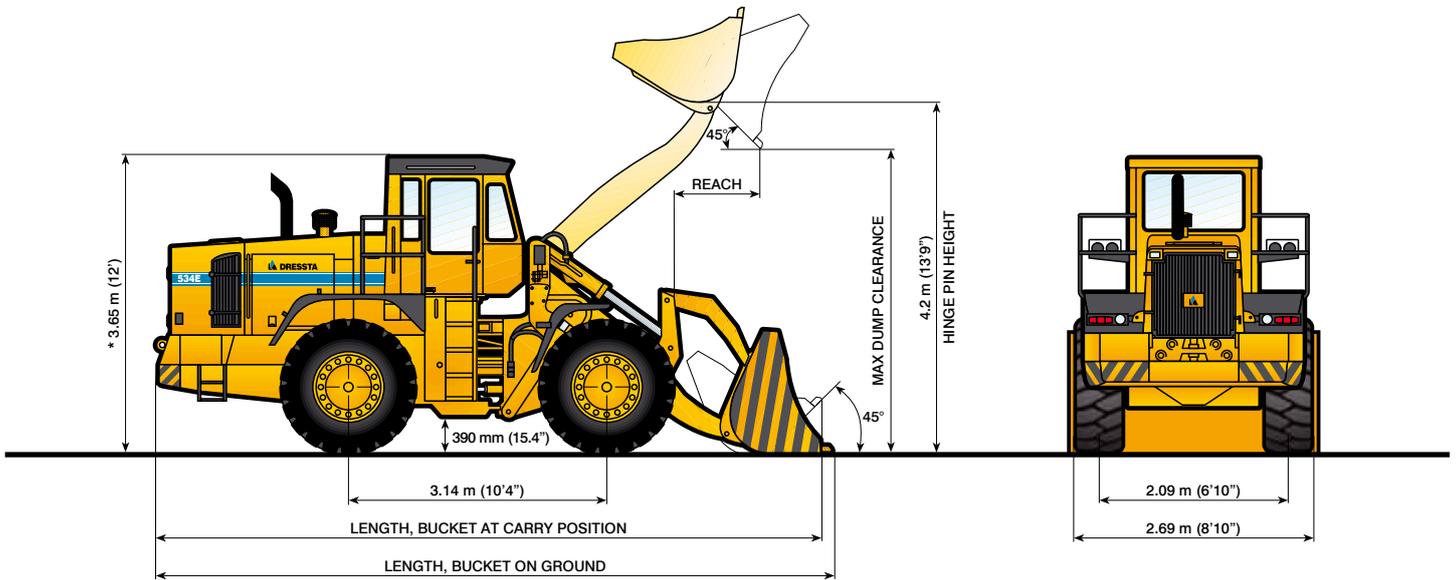
INSTRUMENTATION

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.





* Add 0.26 m (10.2") to height over cab with factory roof mounted light

| BUCKET SELECTION | General Purpose Buckets | | | | | | | |
|--|---|-----------------------------------|--------------------|---------------------|--------------------------------------|--------------------------------------|-----------------------|----------------|
| | Spade nose | Spade nose w/bolt-on cutting edge | Spade nose w/teeth | Spade nose w/ripper | Straight edge w/bolt-on cutting edge | Straight edge w/bolt-on cutting edge | Straight edge w/teeth | |
| Bucket Capacity (SAE) | - rated, m ³ (yd ³) | 3.4 (4.5) | 3.4 (4.5) | 3.4 (4.5) | 3.4 (4.5) | 3.4 (4.5) | 4.0 (5.3) | 4.0 (5.3) |
| | - struck, m ³ (yd ³) | 3.02 (3.95) | 3.02 (3.95) | 3.02 (3.95) | 3.02 (3.95) | 3.02 (3.95) | 3.5 (4.6) | 3.5 (4.6) |
| Bucket width | 2.82 m (9'3") | 2.82 m (9'3") | 2.82 m (9'3") | 2.82 m (9'3") | 2.82 m (9'3") | 3.0 m (9'10") | 3.0 m (9'10") | |
| Dump Clearance @ Max. Height and 45° Dump Angle | 3095 mm (10'2") | 3055 mm (10') | 3090 mm (10'2") | 3091 mm (10'2") | 3098 mm (10'2") | 3015 mm (9'11") | 2884 mm (9'6") | |
| Reach @ Max. Height and 45° Dump Angle | 1063 mm (3'6") | 1084 mm (3'7") | 1071 mm (3'6") | 1066 mm (3'6") | 1024 mm (3'4") | 1105 mm (3'8") | 1245 mm (4'1") | |
| Overall length, Bucket @ Carry Position | 7965 mm (26'1") | 8004 mm (26'3") | 7970 mm (26'2") | 7968 mm (26'2") | 7960 mm (26'1") | 8040 mm (26'5") | 8175 mm (26'10") | |
| Overall length, Bucket on Ground | 8037 mm (26'4") | 8092 mm (26'7") | 8044 mm (26'5") | 8042 mm (26'5") | 8031 mm (26'4") | 8150 mm (26'9") | 8334 mm (27'4") | |
| Turning Radius, Outside Corner of Bucket @ SAE Carry | 6917 mm (22'8") | 6896 mm (22'7") | 6855 mm (22'6") | 6854 mm (22'6") | 6904 mm (22'8") | 6995 mm (22'11") | 7054 mm (23'2") | |
| Breakout Force | kN (lb) | 136 (30,573) | 134 (30,123) | 134 (30,123) | 136 (30,573) | 134 (30,123) | 127 (28,550) | 130 (29,224) |
| Static Tipping Load | - Straight, kg (lb) | 17320 (38,184) | 17507 (38,596) | 17063 (37,617) | 17429 (38,424) | 16827 (37,097) | 16876 (37,205) | 17010 (37,500) |
| | - Full Turn, kg (lb) | 14895 (32,838) | 15056 (33,192) | 14674 (32,350) | 14989 (33,045) | 14471 (31,903) | 14513 (31,995) | 14628 (32,249) |
| Weight of Bucket | kg (lb) | 1272 (2,804) | 1329 (2,930) | 1400 (3,086) | 1200 (2,646) | 1581 (3,485) | 1781 (3,926) | 1647 (3,631) |
| Operating Weight | kg (lb) | 20700 (45,635) | 20757 (45,761) | 20828 (45,917) | 20628 (45,476) | 21009 (46,316) | 21209 (46,757) | 21075 (46,462) |

| BUCKET SELECTION | Rock Buckets | | | Multipurpose Bucket | High Dump Bucket | Light Material Bucket | Agricultural Bucket | |
|--|---|--------------------|-----------------------|---------------------|------------------|-----------------------|---------------------|----------------|
| | Spade nose | Spade nose w/teeth | Straight edge w/teeth | | | | | |
| Bucket Capacity (SAE) | - rated, m ³ (yd ³) | 2.7 (3.5) | 2.7 (3.5) | 2.7 (3.5) | 2.6 (3.4) | 2.8 (3.7) | 5.7 (7.5) | 5.6 (7.3) |
| | - struck, m ³ (yd ³) | 2.45 (3.2) | 2.45 (3.2) | 2.03 (2.65) | 1.73 (2.3) | 2.5 (3.27) | 4.58 (6.0) | 4.5 (5.9) |
| Bucket width | 2.84 m (9'4") | 2.84 m (9'4") | 2.84 m (9'4") | 3.0 m (9'10") | 2.85 m (9'4") | 3.51 m (11'6") | 3.1 m (10'2") | |
| Dump Clearance @ Max. Height and 45° Dump Angle | 2951 mm (9'8") | 2760 mm (9'1") | 2901 mm (9'6") | 3911 mm (12'10") | 4180 mm (13'9") | 2800 mm (9'2") | *3853 mm (12'8") | |
| Reach @ Max. Height and 45° Dump Angle | 1204 mm (3'11") | 1395 mm (4'7") | 1254 mm (4'1") | 894 mm (2'11") | 1360 mm (4'6") | 1228 mm (4') | 2111 mm (6'11") | |
| Overall length, Bucket @ Carry Position | 8108 mm (26'7") | 8299 mm (27'3") | 8158 mm (26'9") | 8216 mm (26'11") | 8021 mm (26'4") | 8260 mm (27'1") | 8442 mm (27'8") | |
| Overall length, Bucket on Ground | 8240 mm (27') | 8510 mm (27'11") | 8311 mm (27'3") | 8366 mm (27'5") | 8180 mm (26'10") | 8447 mm (27'9") | 8688 mm (28'6") | |
| Turning Radius, Outside Corner of Bucket @ SAE Carry | 6947 mm (22'10") | 7028 mm (23'1") | 6973 mm (22'11") | 6988 mm (22'11") | 6902 mm (22'8") | 7295 mm (23'11") | 7229 mm (23'9") | |
| Breakout Force | kN (lb) | 125 (28,100) | 123 (27,650) | 133 (29,898) | 120 (26,976) | 112 (25,178) | 114 (25,627) | 101 (22,705) |
| Static Tipping Load | - Straight, kg (lb) | 15596 (34,383) | 15471 (34,107) | 15550 (34,282) | 14609 (32,207) | 16085 (35,461) | 15860 (34,965) | 14332 (31,596) |
| | - Full Turn, kg (lb) | 13413 (29,570) | 13305 (29,332) | 13373 (29,482) | 12564 (27,699) | 13833 (30,496) | 13639 (30,069) | 12326 (27,174) |
| Weight of Bucket | kg (lb) | 1527 (3,366) | 1652 (3,642) | 1550 (3,417) | 2300 (5,071) | 2544 (5,609) | 2132 (4,700) | 2768 (6,102) |
| Operating Weight | kg (lb) | 20955 (46,197) | 21080 (46,473) | 20978 (46,248) | 21728 (47,902) | 21972 (48,439) | 21560 (47,531) | 22196 (48,933) |

All dimensions, weights and performance values per SAE J732, where applicable. Specifications shown include all standard equipment and 23.5 x 25, 20 PR (L-3) tires. Machine stability, weight and performance are affected by optional attachments.

* 90° dump angle

534E

WHEEL LOADER



STANDARD EQUIPMENT

- Air cleaner, dry type with service indicator
- Alarm, back-up
- Alternator, 70 A
- Auxiliary steering – ground driven
- Axles, conventional differential, outboard planetary
- 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.

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