

PRODUCT SPECIFICATIONS FOR 621K - TIER 2



180° Curb-to-Curb Turning Width	11.8 m
Overall Shipping Height	4.03 m
Maximum Depth of Cut	315 mm
Fuel Tank Refill Capacity - Scraper	763 l
Scraper Capacity - Heaped	18.4 m ³
Top Speed - Loaded	53.9 km/h
Scraper Capacity - Struck	13 m ³
Overall Width	3.57 m
Maximum Depth of Spread	540 mm
Width - Cut	3.14 m
Tires - Scraper	33.25R29**E3
Tires - Tractor Drive	33.25R29**E3
Rated Load	26 127 kg (57,610 lb); 26.19 tonnes (28.81 tons)
Rated Engine RPM - Tractor	2000 r/min
Flywheel Power - Tractor	304 kW
Note	C13 engine emits equivalent to U.S. EPA Tier 2/EU Stage II or U.S. EPA Tier 3/EU Stage III.

Engine Model - Tractor Cat C13

Flywheel Power - Tractor/Scraper 304 kW (407 hp)

Scraper Capacity - Heaped 18.4 m³

Top Speed - Loaded 53.9 km/h

Cooling System 45 l

Hydraulic System 83 l

Crankcase 30.58 l

Transmission System 93 l

Fuel Tank 818 l

Width - Overall Machine 3585 mm

Width - Tractor 3381 mm

Width - Inside of Bowl 3048 mm

Width - Outside Rear Tires 3275 mm

Height - Overall Shipping 4029 mm

Height - Top of Cab 3612 mm

Ground Clearance - Tractor	557 mm
Front of Tractor to Front Axle	3119 mm
Axle to Vertical Hitch Pin	540 mm
Height - Scraper Blade Maximum	520 mm
Wheel Base	7998 mm
Rear Axle - Rear of Machine	2898 mm
Width - Rear Tire Centers	2290 mm
Width - Overall Machine - Ladder Down	3790 mm
Length - Maximum (Push-Pull)	15576 mm
Length - Overall Machine - Standard	14015 mm
Operating Weight - Empty	36185 kg
Overall Length	14.02 m
Operating Weight - Empty	36567 kg
Overall Length - With Bail Down	15.58 m
Exterior Sound Level	The exterior sound power level for the standard machine (ISO 6393) is 111.5 dB(A).
ROPS/FOPS	Meets ISO standards

Rollover Protection Structure (ROPS)	ISO 3471:2008 for up to 17 084 kg (37,664 lb)
Falling Object Protective Structure (FOPS)	ISO 3449:2005 Level II
Seat Belt	SAE J386:JUN1985
Reverse Alarm	ISO 9533:2010
Steering System	ISO 5010:2007
Brakes	ISO 3450:2011
Transmission Gear - Fifth	21.9 km/h
Transmission Gear - Fourth	16.3 km/h
Transmission Gear - Eighth	53.9 km/h
Transmission Gear - First	5 km/h
Transmission Gear - Second	8.9 km/h
Transmission Gear - Third	12.1 km/h
Transmission Gear - Seventh	39.9 km/h
Transmission Gear - Reverse	9.2 km/h
Transmission Gear - Sixth	29.6 km/h
Bowl Lower	3.5 s
Ejector Extend	5.2 s

Bowl Raise

3 s

Ejector Retract

6.7 s

Bail Lower

3.2 s

Apron Lower

3.8 s

Apron Raise

2.95 s

Bail Raise

1.8 s

621K - TIER 2 STANDARD EQUIPMENT

NOTE

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

POWER TRAIN – TRACTOR

Cat C13

Cat engine brake

Electric start, 24 Volt

Air cleaner, dry type with precleaner

Fan, hydraulic

Ground level engine shutdown

Radiator, aluminum unit core, 9 fins per inch

Guard, crankcase

Muffler (only for less or non-regulated regions engine arrangement only)

Starting aid, ether

Braking system:

- Primary and secondary, wet disc, hydraulic
- Parking, hydraulic-released, spring-applied
- Throttle lock

Transmission:

- 8-speed planetary power shift
- ECPC control
- APECS software
- Programmable top gear selection
- Transmission hold
- Differential lock
- Guard, power train
- Standard tire spin reduction
- Ground speed control
- Machine speed limit
- Differential lock protection

POWER TRAIN – SCRAPER

Braking system:

- Primary and secondary, wet disc, hydraulic

ELECTRICAL – TRACTOR

Alternator, 150 Amp

Batteries (4), 12V, 1,000 CCA, maintenance free, high output

Electrical system, 24V

Lighting system:

- Headlights, halogen
- Turn signals with hazard function, LED floodlights, (2) cutting edge (1) bowl, halogen side vision (2)

Starting/charging receptacle

ELECTRICAL – SCRAPER

Alarm, backup

Lighting system:

- Brake lights, LED
- Turn signals with hazard function, LED

OPERATOR ENVIRONMENT – TRACTOR

HVAC system, heat, AC, defrost

Thermostat control of HVAC system

Coat hook

Lunchbox platform with holding strap

Diagnostic connection (2)

12V power ports (2)

Differential lock (1)

Dome courtesy light

Horn, electric

T-Handle implement control

Mirror, rearview

Radio ready

ROPS/FOPS cab, pressurized

Keypad switches:

- Throttle lock
- Wipers/washers
- Hazard lights
- Retarding level select
- Work lights on, off
- Information mode on Messenger Display

Safety tab rocker switches

Seat belt, static two-piece

Seat, Cat Advanced Ride Management (ARM), Cat Comfort Series 3, rotates 30 degrees

Steering wheel, tilt, telescoping, padded

Windows, right side emergency egress

Windows, sliding

Windows, laminated, zipped in

Windshield wipers, front and rear windows, includes washers

Door lock

Messenger Display

Gauges, warnings include:

- Coolant temperature
- Engine oil temperature
- Hydraulic oil temperature
- Fuel level
- Park brake
- Implement lockout
- Brake system
- Regeneration required
- Throttle lock
- System voltage
- Secondary steering
- Bail down
- Ejector auto
- Differential lock
- Apron float
- Transmission hold
- Cushion hitch
- High beam lights
- Action lamp
- Engine speed, rpm
- Gear selection

FLUIDS

Extended Life Coolant to -37° C (-34° F)

OTHER STANDARD EQUIPMENT – TRACTOR

Advanced cushion hitch

Accumulators (cushion hitch) with Canadian Registration Number (CRN)

Fast oil change

Fenders, non-metallic

Heater, engine coolant 120V

Rims (2)

Tow pin. front

Vandalism locks

Heater, engine coolant 120V

OTHER STANDARD EQUIPMENT – SCRAPER

Bowl

- 18.4 m³ (24 yd³), heaped

- 14.1 m³ (18.4 yd³), struck

Vandalism locks

Hydraulic position sensing cylinders (bowl lift and apron)

621K - TIER 2 OPTIONAL EQUIPMENT

NOTE

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

STEERING ARRANGEMENTS

Secondary Steering Arrangement

INTEGRATED TECHNOLOGIES

Sequence Assist Arrangement

Load Assist

Cat Grade Control with Load Assist

OTHER ATTACHMENTS

Camera arrangement - WAVS

Steering lock - external

Cab beacon

Air horn

Air horn and beacon

Fender, scraper

Guard, overflow

Wiring group

Year of manufacture plate

WORK LIGHT ATTACHMENTS

HID work lights

AMBIENT CAPABILITY ARRANGEMENTS

Cooling, high ambient HRC

Cooling, low ambient HRC

Cooling, high ambient LRC

Cooling, low ambient LRC

SERVICE INSTRUCTIONS

Film arrangement - U.S. (ANSI)

Film arrangement - International (ISO)

