

PRODUCT SPECIFICATIONS FOR 621K



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

Note

Cat C13 engine meets U.S. Environmental Protection Agency (EPA) Tier 4 Final/EU Stage IV engine emission standards.

Flywheel Power - Tractor/Scraper

304 kW (407 hp)

Scraper Capacity - Heaped

18.4 m³

Top Speed - Loaded

53.9 km/h

Hydraulic System

83 l

Cooling System

45 l

Fuel Tank

818 l

Crankcase

30.58 l

Diesel Exhaust Fluid

30.5 l

Transmission System

93 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
Length - Maximum (Push-Pull)	15576 mm
Length - Overall Machine - Standard	14015 mm
Width - Rear Tire Centers	2290 mm
Width - Overall Machine - Ladder Down	3790 mm
Overall Length	14.02 m
Operating Weight - Empty	36185 kg
Operating Weight - Empty	36567 kg
Overall Length - With Bail Down	15.58 m
ROPS/FOPS	Meets SAE and ISO standards

Exterior Sound Level

The exterior sound power level for the standard machine (ISO 6393) is 111.5 dB(A).

Brakes

ISO 3450:1996

Seat Belt

SAE J386:JUN1985

Steering System

ISO 5010:2007

Reverse Alarm

ISO 9533:2010

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

Transmission Gear - Sixth

29.6 km/h

Transmission Gear - Fifth

21.9 km/h

Transmission Gear - Reverse

9.2 km/h

Transmission Gear - Second

8.9 km/h

Transmission Gear - Third

12.1 km/h

Transmission Gear - First

5 km/h

Transmission Gear - Eighth

53.9 km/h

Transmission Gear - Fourth

16.3 km/h

Transmission Gear - Seventh

39.9 km/h

Bail Lower

3.2 s

Bail Raise	1.8 s
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Apron Lower	3.8 s
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Apron Raise	2.95 s
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Ejector Extend	5.2 s
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Ejector Retract	6.7 s
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Bowl Raise	3 s
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Bowl Lower	3.5 s
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621K STANDARD EQUIPMENT

NOTE

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

POWER TRAIN - TRACTOR

Cat C13 engine with MEUI™

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 - DPF 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 - DEF fill levels

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 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)