

# PRODUCT SPECIFICATIONS FOR 627K



<b>Overall Width</b>	3.57 m
<b>Maximum Depth of Spread</b>	540 mm
<b>Top Speed - Loaded</b>	53.9 km/h
<b>Fuel Tank Refill Capacity - Scraper</b>	1272 l
<b>180° Curb-to-Curb Turning Width</b>	11.8 m
<b>Overall Shipping Height</b>	4.03 m
<b>Scraper Capacity - Struck</b>	13 m <sup>3</sup>
<b>Scraper Capacity - Heaped</b>	18.4 m <sup>3</sup>
<b>Width - Cut</b>	3.14 m
<b>Tires - Tractor Drive</b>	33.25R29**E3
<b>Rated Load</b>	26 127 kg (57,610 lb); 26.19 tonnes (28.81 tons)
<b>Maximum Depth of Cut</b>	315 mm
<b>Tires - Scraper</b>	33.25R29**E3
<b>Rated Engine RPM - Scraper</b>	2150 r/min
<b>Engine Model - Scraper</b>	Cat C9.3
<b>Rated Engine RPM - Tractor</b>	2000 r/min

<b>Flywheel Power - Scraper</b>	216 kW
<b>Flywheel Power - Tractor</b>	304 kW
<b>Engine Model - Tractor</b>	Cat C13
<b>Note (1)</b>	C13 engine emits equivalent to U.S. EPA Tier 2/EU Stage II or U.S. EPA Tier 3/EU Stage III.
<b>Note (2)</b>	C9.3 engine emits equivalent to U.S. EPA Tier 2/EU Stage II or U.S. EPA Tier 3/EU Stage III.
<b>Flywheel Power - Tractor/Scraper</b>	304 kW (407 hp)/216 kW (290 hp)
<b>Scraper Capacity - Heaped</b>	18.4 m <sup>3</sup>
<b>Top Speed - Loaded</b>	53.9 km/h
<b>Hydraulic System</b>	83 l
<b>Crankcase - Tractor</b>	30.58 l
<b>Cooling System - Tractor</b>	45 l
<b>Transmission System - Tractor</b>	93 l
<b>Transmission System - Scraper</b>	49 l
<b>Crankcase - Scraper</b>	28 l
<b>Fuel Tank</b>	1772 l

<b>Fuel Tank</b>	1274 l
<b>Cooling System - Scraper</b>	61 l
<b>Width - Overall Machine</b>	3585 mm
<b>Width - Tractor</b>	3381 mm
<b>Width - Inside of Bowl</b>	3048 mm
<b>Width - Outside Rear Tires</b>	3275 mm
<b>Height - Overall Shipping</b>	4029 mm
<b>Height - Top of Cab</b>	3621 mm
<b>Ground Clearance - Tractor</b>	557 mm
<b>Front of Tractor to Front Axle</b>	3119 mm
<b>Axle to Vertical Hitch Pin</b>	540 mm
<b>Height - Scraper Blade Maximum</b>	520 mm
<b>Wheel Base</b>	7998 mm
<b>Rear Axle - Rear of Machine</b>	2898 mm
<b>Length - Maximum (Push-Pull)</b>	15576 mm
<b>Width - Rear Tire Centers</b>	2290 mm
<b>Width - Overall Machine - Ladder Down</b>	3790 mm
<b>Length - Overall Machine - Standard</b>	14015 mm

<b>Operating Weight - Empty</b>	40913 kg
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<b>Overall Length</b>	14.02 m
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<b>Operating Weight - Empty</b>	42168 kg
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<b>Overall Length - With Bail Down</b>	15.58 m
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<b>Exterior Sound Level</b>	The exterior sound power level for the standard machine (ISO 6393) is 116 dB(A).
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<b>ROPS/FOPS</b>	Meets ISO standards
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<b>Steering System</b>	ISO 5010:2007
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<b>Reverse Alarm</b>	ISO 9533:2010
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<b>Seat Belt</b>	SAE J386:JUN1985
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<b>Brakes</b>	ISO 3450:2011
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<b>Falling Object Protective Structure (FOPS)</b>	ISO 3449:2005 Level II
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<b>Rollover Protection Structure (ROPS)</b>	ISO 3471:2008 for up to 17 084 kg (37,664 lb)
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<b>Transmission Gear - Third</b>	12.1 km/h
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<b>Transmission Gear - First</b>	5 km/h
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<b>Transmission Gear - Eighth</b>	53.9 km/h
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<b>Transmission Gear - Seventh</b>	39.9 km/h
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**Transmission Gear - Second**

8.9 km/h

**Transmission Gear - Fifth**

21.9 km/h

**Transmission Gear - Reverse**

9.2 km/h

**Transmission Gear - Sixth**

29.6 km/h

**Transmission Gear - Fourth**

16.3 km/h

**Bowl Raise**

3 s

**Apron Lower**

3.8 s

**Apron Raise**

2.95 s

**Bowl Lower**

3.5 s

**Bail Raise**

1.8 s

**Ejector Retract**

6.7 s

**Bail Lower**

3.2 s

**Ejector Extend**

5.2 s

## **627K 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**

Cat C9.3 engine with high pressure:

- Common rail fuel
- Cat engine brake
- Electric start, 24 volt
- Fan, driveline
- Ground engine shutdown
- Muffler (only for less or non-regulated regions engine arrangement only)
- Starting aid, ether

Braking system:

- Primary and secondary, wet disc, hydraulic
- 4 speed (torque converter drive)
- Transmission planetary powershift

## **ELECTRICAL – TRACTOR**

Alternator, 150 Amp

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

Electrical system, 24V

Lighting system:

- Headlights, 3×3 halogen
- Turn signals with hazard function, LED floodlights, (2) 3×3 cutting edge (1) 3×3 bowl, halogen side vision (2) 3×3 halogen

Starting/charging receptacle

## **ELECTRICAL – SCRAPER**

Alarm, backup

Alternator, 65 Amp

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

Lighting system:

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

Starting/charging receptacle

## **OPERATOR ENVIRONMENT – TRACTOR**

HVAC system, heat, AC, defrost

Thermal insulation, HVAC system

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:

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

Safety tab rocker switches:

- Regeneration control
- Parking brake

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
- Differential lock
- Apron float
- Transmission hold
- Cushion hitch
- High beam lights
- Action lamp
- Engine speed, rpm
- Gear selection

## **FLUIDS**

Extended Life Coolant to  $-37^{\circ}\text{C}$  ( $-34^{\circ}\text{F}$ )

## **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 m<sup>3</sup> (24 yd<sup>3</sup>), heaped

- 14.1 m<sup>3</sup> (18.4 yd<sup>3</sup>), struck

- Fast oil change

- Vandalism locks

- Guard, overflow

- Heater, engine coolant 120V

Hydraulic position sensing cylinders (bowl lift and apron)

## **SPECIAL ARRANGEMENTS**

Tractor/Scraper Arrangements

- Push Pull Arrangement

Fueling Arrangements

- Fast Fill Group







## **627K 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

Product Link™ Installation

### **OTHER ATTACHMENTS**

Camera arrangement - WAVS

Steering lock - external

Cab beacon

Air horn

Air horn and beacon

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

### **CLEANER**

Cab precleaner

### **SERVICE INSTRUCTIONS**

Film arrangement - U.S. (ANSI)

Film arrangement - International (ISO)

