623K WHEEL TRACTOR/SCRAPER
DECATUR, IL, USA

	Ship Weight lbs	LIST PRICE AT DEALER

Standard Equipment:

POWERTRAIN

TRACTOR:
- Cat engine brake
- Electric start, 24V
- Air cleaner, dry type with precleaner
- Fan, hydraulic
- Ground level shutdown
- Radiator, aluminum unit core, 9 fins per in.
- Guard, crankcase
- Muffler (only for less or non-regulated regions engine arrangement only)
- Starting aid, ether
- Braking system:
  - Primary and secondary, wet disk, hydraulic
  - Parkng,hyd. release,spring applied
  - Throttle lock
- Transmission:
  - 8 speed planetary powershift
  - ECPC control
  - APECS software
  - Programmable top gear selection
  - Transmission hold
  - Differential lock
  - Guard, powertrain
  - Tire spin reduction
  - Ground speed control
  - Machine speed limit
  - Differental lock protection

SCRAPER:
- Braking system:
  - Primary and secondary, wet disk, hydraulic

ELECTRICAL

TRACTOR:
- Alternator, 150 amp
- Batteries (4), 12 Volt, 1000 CCA maintenance free, high output
- Electrical system, 24V
- Lighting system:
  - Headlights,halogen
  - Turn signals with hazard function, LED
  - Floodlight,(2) cutting edge and (1) bowl, halogen
  - Side Vision (2) halogen

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
- Lunch box platform with holding strap
- Diagnostic connection (2)
- 12V power ports (2)
- Differential lock (1)
- Dome courtesy light
- Horn, electric
- T-Handle implement control
- Mirror, rear view
- Radio ready
- ROPS/FOPS cab, pressurized
- Keypad Switches
  - Throttle lock
  - Wipers/washers
  - Hazard lights
  - Work Lights on, off
  - Information mode on Messenger Display
- Safety tab rocker switches:
  - Regeneration control (Tier 4 Final/ EU Stage IV only)
  - Parking Brake
- Seat belt, static two-piece
- Seat, Cat Advanced Ride Management
- 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 temp
  - Engine oil temp
  - Hydraulic oil temp
  - DPF temp
  - Fuel level
  - Park brake
  - Implement lockout
  - Brake system
  - Regeneration required
  - Throttle lock
  - System voltage
  - Secondary steering
  - Bail down
  - Ejector auto

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OPERATOR ENVIRONMENT (CONT.)

Diff lock
Apron float
Transmission hold
Cushion hitch
High beam lights
Action lamp
Engine speed, rpm
Gear selection
Dpf fill levels

FLUIDS

Extended life coolant to -37C (-34F)

OTHER STANDARD EQUIPMENT

Steering lock-external
TRACTOR:
Advanced Cushion Hitch
Accumulators (cushion hitch) with
Canadian Registration Number (CRN)
Fast oil change
Rims (2)
Tow pin, front
Vandalism locks
Heater, engine coolant 120V
SCRAPER:
Bowl
23 cubic yard, heaped
17.6 cubic yard, struck
Vandalism locks
Elevator with 15 flights
Hydraulic position sensing
Cylinder (bowl lift)

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623K WHEEL TRACTOR/SCRAPER
DECATUR, IL, USA

		Ship Weight lbs	LIST PRICE AT DEALER
373-8501	**623K WHEEL TRACTOR-SCRAPER T4F**	74,945	**$939,440**

LANE 2 - AVAILABLE FROM DECATUR FACTORY

Common Arrangement
(T4 Final/EU Stage V) Am-North,
European Union when selected
will include C13 ACERT diesel
engine with NRS Technology and the Cat CEM
package.Compliant with Tier 4 Final
(U.S.) and Stage V (EU).
Ultra Low Sulfur diesel fuel is required.
Note: to be complete, your machine order must contain:
- Cylinder attachment
- Engine
- Operator Access System
- Fuel Fill Choice
- International or N. American Films
- Certifications
- Ambient Compatibility
- Work Lights (Standard or HID)
- Tires
- Service Manual by language
- Packing OP number
- Steering
- Starting Capability

AVAILABLE FOR: U.S. dealers
Canadian dealers
EU dealers
Australia / NZ dealers

0P-2942	**623K WTS MISC MATERIAL DECATUR**	0	**NC**

Use this as the top level reference number when ordering
miscellaneous material without ordering a machine.

USE	REF NO.	LANE 2 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

LANE SELECTION

	0P-9002	LANE 2 ORDER	0	NC

REGIONAL PACKAGES

Certification Arrangements

L	373-8589	STANDARD CERTIFICATION AR Includes accumulators with CRN registration Cannot be used for machines shipping to the European Union	362	NC

PERFORMANCE PACKAGES

STARTING CAPABILITY

L	336-2306	STANDARD START ATTACHMENT For Starting machines above -6C/21F	234	NC
L	379-6696	COLD START ATTACHMENT For Starting machines below -6C/21F	359	$6,630

SPECIAL ARRANGEMENTS

Fueling Arrangements

L	315-1200	GRAVITY FILL GP Fill diesel fuel tank from fill neck at top of tank.	551	NC
L	328-6410	FAST FILL GP Fast fill adaptation includes automatic shut off check valve at the fuel tank. Meets EU pressure vessel requirements.	602	$1,090

Work Light Attachments

L	320-9565	STD WORK LIGHTS Halogen 3x3 in. shock resistant flood lights (all work and head lamps)	11	NC
L	320-9575	HID WORK LIGHTS High Intensity Discharge 3x3 shock resistant flood lights (all work lamps and High Beam head lamps)	9	$3,665

POWERTRAIN

ENGINES

L	564-4651	ENGINE, C13 ACERT, T4 Includes C13 tractor Tier 4 engine ONLY FOR USE WITH: 373-8501 623K Wheel Tractor-Scraper T4F	0	NC

USE	REF NO.	LANE 2 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

OPERATOR ENVIRONMENT

CAB FILTRATION

L	428-8768	**CAB PRECLEANER.**	11	$660
		Cab precleaner for dusty enviroments		
L	428-8769	**STD HVAC INLET**	4	NC
		Standard cab air cleaner		

OPERATOR ACCESS

L	309-4760	**NON-POWERED ACCESS GP**	71	NC
		Cab access via a rope ladder, two rungs		
L	471-0992	**POWERED ACCESS AR**	146	$7,550
		Inclined powered access ladder that folds up under the cab when not in use. comes with a light for night time or early morning use. Manual release levers (2) in case of power loss.		

TIRES, RIMS, AND WHEELS

Due to industry wide tire availability limitations, tire brand and type cannot be guaranteed. Every effort will be made to satisfy your tire choice, but we reserve the right to change to alternate tires. If the brand cannot be supplied, we may contact the dealer. However, in some cases, we will change to an alternative premium brand tire without notice. If the tire type cannot be supplied, we will contact the dealer to propose alternatives. The dealer needs to choose between an alternative tire or a "rims only" option (where available) within 72 hours. If no response is provided by the deadline, the order will default to the alternative tire and will be changed at that point. As a consequence of a possible tire change, the total machine price will be decreased or increased depending on the price of the new tire.

Two sets required for tractor and scraper combined,
And each set (part number) includes 2 tires.
When Ordering one of the following tire groups must be specified.
This machine has been designed to run on 33.25-29 sized tires.

To select the correct tire that will be appropriate
for the application and job site conditions,
contact the tire manufacture or local tire dealer.

L	264-1408	**TIRES, 33.25R29 BS VLT ** E2A**	7,361	$2,510
		Bridgestone Radial. V-Steel L-Traction. E2A compound. Offers good traction and flotation for wet, muddy, soft underfoot conditions. Its stability contributes to improved operator comfort. Manufacture's Part Number 427645		
L	210-9234	**TIRES, 33.25R29 MX XTS** E3.**	7,227	$6,250
		Michelin Radial. A long life tire resistant to damage with open, non-directional tread for good operator comfort and traction. Manufacture's Part Number 76725		

USE	REF NO.	LANE 2 MANDATORY	Ship Weight lbs	LIST PRICE AT DEALER

INSTRUCTIONS

Service Instructions

L	**373-8584**	**FILMS AR - U.S. (ANSI)** . . . . . 3 Required on all USA and Canada destined machines. Cannot be shipped into Quebec, Canada.		**NC**

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

SPECIAL ARRANGEMENTS

Steering Arrangements

L	433-0618	**SECONDARY STEERING AR**	117	$8,610

Provides electrically-driven
secondary steering
Required for European Union
Required by 373-8569 EU Certification Ar

ELECTRICAL

WIRING GROUP

L	374-8922	**WIRING GRP, SEQUENCE ASSIST**	0	$84

Required by 373-8509 Sequence Assist when ordered as stand alone feature.
Not required when 373-8509 Sequence Assist is ordered with
One of the features below:
439-4545 LOAD ASSIST
424-4447 CAT GRADE CONTROL W/LD ASSIST
469-1738 TIRE SPIN REDUCTION, ADVANCED
469-1739 SPIN REDUCTION W/ LOAD ASSIST
469-1740 CGC,SPIN REDUCTION,LOAD ASSIST

TECHNOLOGY PRODUCTS

PRODUCT LINK

Product Link enables the remote transmission of information about the location, operation, and condition of your equipment. Efficiently and effectively monitor the performance of your assets to help keep your jobs on schedule, maintain equipment condition, and reduce the costs of owning and operating your fleet. Availability varies by country - please reference https://Dealer.cat.com/PL/Certification for certified countries. Please contact your Caterpillar marketing representative with questions.

L	499-5521	**PRODUCT LINK, CELLULAR PLE641**	0	NC

Product Link Elite series PLE641 offers expanded coverage including 3G UMTS and CDMA2000 as well as 2G GSM and CDMA cellular networks to transmit location, utilization and condition information f viewing in Product Link-s remote monitoring web interface. Cellular technology provides capabilities for frequent transmission and larger volumes of data.

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

TECHNOLOGY PRODUCTS (CONT.)

TECHNOLOGY PRODUCTS

L	373-8509	**SEQUENCE ASSIST AR**	4	$3,715

Machine performs multiple
functions including:
Ready to Load (adjusts bowl and forward elevator speed
to preset position, searches for and
locks in 2nd gear,
locks down cushion hitch)
Ready to Haul (adjusts bowl and stops elevator
to preset position , unlocks cushion
hitch, releases 2nd
gear transmission lock)
Ready to Unload (adjusts bowl and apron
to preset position, brings ejector
forward)
Ready to Return (adjusts bowl and apron
to preset position, returns ejector back)
REQUIRES: One of the options listed below:
374-8922 WIRING GRP, SEQUENCE ASSIST
439-4545 LOAD ASSIST ARR
424-4447 CAT GRADE CONTROL/ LOAD ASSIST
469-1738 TIRE SPIN REDUCTION, ADVANCED
469-1739 SPIN REDUCTION W/ LOAD ASSIST
469-1740 CGC, SPIN REDUCTION, LOAD ASSIST

L	469-1738	**TIRE SPIN REDUCTION, ADVANCED**	0	$2,120

This feature will allow the machine to control the slip of the
tractor tires only. When Tire Spin Reduction is selected the
machine will control wheel spin on the tractor by keeping the
slip in the optimal range for loading by adjusting engine rpms
with no additional operator input.
REQUIRES: 373-8509 SEQUENCE ASSIST AR
CANNOT BE USED WITH: 439-4545 LOAD ASSIST
424-4447 CAT GRADE CONTROL W/LD ASSIST
374-8922 WIRING GRP, SEQUENCE ASSIST
INCLUDED IN: 469-1739 SPIN REDUCTION W/ LOAD ASSIST
469-1740 CGC,SPIN REDUCTION,LOAD ASSIST

L	439-4545	**LOAD ASSIST**	29	$6,750

Load assist controls the cutting edge
during the loading process. The
cutting edge depth is controlled based
on machine information including
rpm, true ground speed and wheel speed.
REQUIRES: 373-8509 SEQUENCE ASSIST AR
CANNOT BE USED WITH: 374-8922 WIRING GRP, SEQUENCE ASSIST
INCLUDED IN: 469-1739 SPIN REDUCTION W/ LOAD ASSIST
424-4447 CAT GRADE CONTROL W/LD ASSIST
469-1740 CGC,SPIN REDUCTION,LOAD ASSIST

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER

TECHNOLOGY PRODUCTS (CONT.)

TECHNOLOGY PRODUCTS (Cont.)

L	469-1739	**SPIN REDUCTION W/ LOAD ASSIST**	0	$8,870
		Load assist controls the cutting edge during the loading process. The cutting edge depth is controlled based on machine information including rpm, true ground speed and wheel speed. INCLUDES: 469-1738 TIRE SPIN REDUCTION, ADVANCED 439-4545 LOAD ASSIST REQUIRES: 373-8509 SEQUENCE ASSIST AR CANNOT BE USED WITH: 374-8922 WIRING GRP, SEQUENCE ASSIST 424-4447 CAT GRADE CONTROL W/LD ASSIST 469-1740 CGC,SPIN REDUCTION,LOAD ASSIST		
L	424-4447	**CAT GRADE CONTROL W/LD ASSIST**	108	$43,630
		Shipped from the factory. Includes cab display, scraper mounted receiver, mast, and angle sensor. Data radio is required but not included, and must be ordered from Trimble. Includes Cat Grade Control service manual Angle sensor calibration and Cat Grade Control measure up will done at dealership INCLUDES: 439-4545 LOAD ASSIST REQUIRES: 373-8509 SEQUENCE ASSIST AR CANNOT BE USED WITH: 374-8922 WIRING GRP, SEQUENCE ASSIST 469-1738 TIRE SPIN REDUCTION, ADVANCED 469-1739 SPIN REDUCTION W/ LOAD ASSIST 469-1740 CGC,SPIN REDUCTION,LOAD ASSIST		
L	469-1740	**CGC,SPIN REDUCTION,LOAD ASSIST**	0	$45,760
		Premium option contains Advance Tire Spin Reduction, Cat Grade Control, and Load Assist. Includes cab display, scraper mounted receiver, mast, and angle sensor. Data radio is required but not included, and must be ordered from Trimble for full automatic grade control. Includes Cat Grade Control service manual. Angle sensor calibration and Cat Grade Control measure up will done at dealership. INCLUDED: 439-4545 LOAD ASSIST 469-1738 TIRE SPIN REDUCTION, ADVANCED REQUIRES: 373-8509 SEQUENCE ASSIST AR CANNOT BE USED WITH: 374-8922 WIRING GRP, SEQUENCE ASSIST 424-4447 CAT GRADE CONTROL W/LD ASSIST 469-1739 SPIN REDUCTION W/ LOAD ASSIST		

OTHER ATTACHMENTS

L	373-8576	**CAMERA AR-WAVS**	22	$5,290
		Consists of three cameras showing right side, cutting edge and directly behind the machine. A display in the cab with a rocker switch for toggling between cameras. Required for 373-8569 EU Certification		
L	449-0260	**BEACON LIGHT, CAB ROOF**	4	$359
		Rotating amber beacon installed on roof of cab Not compatible w/449-0261 or 449-0262		

USE	REF NO.	OPTIONAL ATTACHMENTS	Ship Weight lbs	LIST PRICE AT DEALER
		OTHER ATTACHMENTS (CONT.)		
L	449-0261	**HORN, AIR**	26	$1,710
		Self contained air horn Not compatible w/ 449-0260 or 449-0262		
L	449-0262	**BEACON LIGHT W/ HORN**	29	$2,010
		Combines both the self contained air horn and amber rotating beacon Not compatible w/449-0260 or 449-0261		
L	309-4850	**FENDER, SCRAPER**	287	$4,025
		FIELD INSTALLED ATTACHMENTS		
		For Dealer Installed Options please reference TEKQ1167		
		PACKING		
		DOMESTIC PACKING		
	0P-0255	**DOMESTIC TRUCK,TR/SCR COMBINED**	0	NC
	0P-0254	**DOMESTIC RAIL, TR/SCR COMBINED**	0	NC
	0P-0320	**DOMESTIC, TWO TRUCKS**	0	$429 NET
		Note: Some weight issues have occurred when shipping to certain states. Following parts are removed for transportation: belly guard, power trailing guard, banana link and bail.		
		STORAGE PROTECTION (Must select one)		
	0P-4616	**STORAGE PROTECTION**	0	NC
		Please select this if you want Fluid Film (TM) applied		
	0P-2671	**NO STORAGE PROTECTION**	0	NC
		Please select this if you do not want Fluid Film (TM) applied. ***If no storage protection is selected corrosion damage will not be covered under standard machine warranty.		
		EXPORT PACKING		
	0P-0210	**PACK, DOMESTIC TRUCK**	0	NC
		For use with 0P-2942 Miscellaneous Material only.		