

Ring Power®



Ring Power Corporation
500 World Commerce Parkway
St. Augustine, FL 32092

Prepared For:
Florida Sheriff's Association

8/5/2020

Item #22: (1) NEW CATERPILLAR 826K LANDFILL COMPACTOR

CONTRACT DETAILS

Florida Sheriff's Association
Bid # FSA20-EQU18.0
Item #22: Group: COMPACTOR: 80,000 LB Landfill Compactor and Options
Contract Dates: October 1, 2020 through September 30, 2023

BID SPECIFICATION:

1. WEIGHT: a. Minimum operating weight - 80,000 lbs. 2. ENGINE: a. Turbocharged diesel engine 400 hp minimum. b. Spin on type filters 3. TRANSMISSION/HYDRAULIC SYSTEM: a. Mechanical or hydrostatic drive will be acceptable. b. 2 speeds forward and 2 speeds reverse, minimum. c. Spin on type hydraulic filters. 4. OPERATING STATION: a. Enclosed, sound suppressed cab. b. Air filtration system c. Air conditioned, heater and defroster. d. Gauges and engine monitoring shutdown system. e. Adjustable suspension seat. f. Outside mirrors g. Work lights h. Windshield wipers and washer 5. ELECTRICAL SYSTEM: a. 24 volt 6. WHEELS: Compaction wheels - 48" width minimum. b. Wheel diameter - 58" width minimum. c. Chevron chopper blades, weld-on or pin-on teeth type wheels acceptable. d. Anti wire wrapping device, if applicable. e. Cleaner bars, if applicable. 7. BLADE: a. Straight or U type trash blade acceptable. b. 14' blade minimum c. 6' blade height minimum d. Full width trash screen on top of blade. e. Bolt on cutting edges. 8. MISCELLANEOUS: a. Fully shielded engine compartment. b. Removable belly pan c. Landfill shielding package, if applicable.

BASE MACHINE

| | |
|----------|-------------------------------|
| 376-5010 | 826K HRC LANDFILL COMPACTOR |
| 376-5030 | ENGINE & NO SOUND SUPPRESSION |
| 417-6327 | PRECLEANER, STANDARD |
| 376-5098 | AXLES, NO-SPIN FRONT |
| 386-2300 | HYDRAULICS |
| 528-9816 | LIGHTS, HALOGEN |
| 578-9008 | PRODUCT LINK, CELLULAR PLE641 |
| 420-3478 | WHEELS, 48" COMBINATION TIPS |
| 382-1989 | STAIRWAY, FIXED |
| 477-3887 | STRIKER BARS |
| 593-8293 | FILMS, ANSI |
| 246-2689 | HEATER, ENGINE COOLANT, 120V |

| | |
|----------|-------------------------------|
| 397-7898 | BLADE, 177" 16.1 YD3 STRAIGHT |
| 504-1365 | FILM, AM-NORTH |
| OP-0443 | PACK, DOMESTIC TRUCK |

Ring Power Corporation



Cat[®] 826K

Landfill Compactor

Safe and Comfortable

- Improved ingress/egress with a totally redesigned cab with flip up armrest
- Keep your operators informed about machine conditions and operation with VIMS[™] 3G machine monitoring system.
- Safety and visibility enhanced with optional rearview camera
- Preferred temperature settings maintained with automatic climate control
- Operator productivity enhanced with new membrane switch panels, keyed ignition and E-H parking brake switch
- Improved comfort with low operator sound levels
- Improved spectator sound levels and optional low sound packages

Built for Production

- Three new wheel and tip configurations are available to meet your particular application:
 - Paddle Tip: High performance and less fuel burn with more traction and less weight
 - Plus Tip: Traditional design for increased side slope stability
 - Combination Tip: Both paddle and plus tips provide the best compromise of performance and fuel economy with side slope stability.
- Experience maximum responsiveness and control with Steering and Transmission Integrated Control System (STIC[™]).
- Conserve more fuel with the automatic engine and electrical system shutdown.
- Transfer more power to the ground and optimize fuel efficiency with the lock up torque converter.
- Achieve greater momentum on grades and fuel savings by carrying that momentum through the shift points with the all new Single Clutch Speed Shifting (SCSS) transmission controls.
- Operators experience less fatigue with throttle lock to maintain engine speed.

Easy to Service

- Easier access and in a controlled environment, electronics bay is located inside the cab.
- Focused on safety with ground level or platform access to most major components.
- Ground level emergency shutdown, battery disconnect, stairway light switch
- Quick visual inspection and minimize fluid contamination with sight gauges for coolant, transmission, and hydraulic oil.
- Electronic air inlet restriction indicator
- Designed for ease of service and inspection
 - Swing out radiator fan
 - Hinged bellyguards
 - Centralized grease points
 - Swing out stairs (optional)
- Positive pressure engine compartment keeps components clean from floating debris.

Built to Sustain Your World

- Powerful, responsive, fuel-efficient Cat[®] C15 engine with ACERT[™] Technology
- Reliable performance, long life, low emissions
- High productivity and excellent fuel efficiency
- U.S. EPA Tier 4 Final/EU Stage IV certified (HRC)
- Tier 4 Cat Clean Emissions Module contains a Diesel Oxidation Catalyst, Diesel Particulate Filter and Cat Regeneration System, utilizing SCR technology. (HRC)
- Regeneration is completely automatic and does not interrupt the machine's work cycle.

BUILT FOR IT.[™]



Cat 826K Landfill Compactor

| Engine | | |
|-----------------------------------|--|-----------------------|
| Engine Model | Cat C15 ACERT | |
| Emissions (HRC) | U.S. EPA Tier 4 Final/ EU Stage IV | |
| Emissions (LRC) | U.S. EPA Tier 3/ EU Stage IIIA equivalent | |
| Rated Power (Net SAE J1349) | 302 kW | 405 hp |
| Rated Power (Net ISO 9249) | 302 kW | 405 hp |
| Gross Power | 324 kW | 435 hp |
| Net Power | | |
| Direct Drive – Gross Power | 307 kW | 412 hp |
| Converter Drive – Gross Power | 324 kW | 435 hp |
| Maximum 'Net' Torque @ 1,300 rpm | 2005 N·m | 1,478.8 lbf·ft |
| Maximum Altitude without Derating | 2834 m | 9,298 ft |
| Bore | 137.2 mm | 5.4 in |
| Stroke | 171.4 mm | 6.7 in |
| Displacement | 15.2 L | 927.6 in ³ |

| Transmission | | |
|-----------------------|-----------|---------|
| Forward – Maximum 1st | 6 km/h | 3.7 mph |
| Forward – Maximum 2nd | 10.6 km/h | 6.6 mph |
| Reverse – Maximum 1st | 6.9 km/h | 4.3 mph |
| Reverse – Maximum 2nd | 12.2 km/h | 7.6 mph |

| Hydraulic System | | |
|---------------------------|-------------------------------------|-----------|
| Main Relief Pressure | 24 100 kPa | 3,495 psi |
| Bore | 120 mm | 4.7 in |
| Stroke | 1070 mm | 42.1 in |
| Steering System – Circuit | Double Acting – Trunnion Mounted | |
| Vehicle Articulation | Angle 86° | |

| Axles | | |
|-------------------|-------------------------|--|
| Front | Planetary – Fixed | |
| Rear | Planetary – Oscillating | |
| Oscillation Angle | ±5° | |

| Wheels and Tips | | |
|--------------------|---------|------------|
| Diameter with Tips | 1971 mm | 6 ft 6 in |
| Drum Diameter | 1610 mm | 5 ft 3 in |
| Drum Width | 1200 mm | 3 ft 11 in |

| Service Refill Capacities | | |
|--|-------|-----------|
| Cooling System | 116 L | 30.6 gal |
| Engine Crankcase | 34 L | 9.0 gal |
| Transmission | 66 L | 17.4 gal |
| Fuel Tank | 782 L | 206.6 gal |
| Diesel Exhaust Fluid Tank (HRC) | 32 L | 8.5 gal |
| Differentials and Final Drives – Front | 100 L | 26.4 gal |
| Differentials and Final Drives – Rear | 110 L | 29.1 gal |
| Hydraulic Tank Only | 134 L | 35.4 gal |

All non-road U.S. EPA Tier 4 Final, EU Stage IV, and Japan 2014 (Tier 4 Final) diesel engines are required to use:

- Ultra Low Sulfur Diesel (ULSD) fuels containing 15 ppm (mg/kg) sulfur or less. Biodiesel blends up to B20 are acceptable when blended with 15 ppm (mg/kg) sulfur or less ULSD and when the biodiesel feedstock meets ASTM D7467 specifications.
- Cat DEO-ULS™ or oils that meet the Cat ECF-3, API CJ-4, and ACEA E9 specifications are required.
- Diesel Exhaust Fluid (DEF) that meets all requirements defined in ISO 22241-1.

| Weight | | |
|--------------------------|---------------------------------------|-----------|
| Operating Weight | 40 917 kg | 90,207 lb |
| Maximum Operating Weight | Multiple Blade and Wheel Offerings | |

| Dimensions | | |
|---|---------------------|----------------------|
| Height to Top of Cab with A/C | 4568 mm | 14 ft 11.8 in |
| Height to Top of Exhaust Pipe | 4439 mm | 14 ft 6.8 in |
| Height to Top of Hood | 3312 mm | 10 ft 10.4 in |
| Ground Clearance to Bumper | 960 mm | 3 ft 1.8 in |
| Center Line of Rear Axle to Edge of Counterweight | 3096 mm | 10 ft 1.9 in |
| Hitch to Center Line of Front Axle | 1850 mm | 6 ft 1 in |
| Wheelbase | 3700 mm | 12 ft 2 in |
| Length with Blade on Ground (straight blade) | 8715 mm | 28 ft 7.1 in |
| Ground Clearance | 642 mm | 2 ft 1.3 in |
| Width over Wheels | 3800 mm | 12 ft 6 in |
| Height to ROPS/Canopy | 4274 mm | 14 ft 0.3 in |
| Height to Top of Cab with Strobe | 4765 mm | 15 ft 7.6 in |
| Turning Radius – Inside of Wheels | 2797 mm | 9 ft 2 in |
| Width over End Bits (straight blade) | 4502 mm | 14 ft 9 in |
| Maximum Depth of Cut (straight blade) | 642 mm | 2 ft 1 in |
| Maximum Lift above Ground (straight blade) | 1096 mm | 3 ft 7 in |
| Capacity, Rated (straight blade) | 12.3 m ³ | 16.1 yd ³ |

www.cat.com

AEXQ1150

© 2014 Caterpillar • All Rights Reserved • Printed in USA

CAT, CATERPILLAR, BUILT FOR IT, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.



Effective with sales to the first user on or after January 1, 2018

CATERPILLAR LIMITED WARRANTY

Earthmoving, Construction, Material Handling, Forestry and Paving Machines

Worldwide

Caterpillar Inc. or any of its subsidiaries ("Caterpillar") warrants the following new products sold by it to be free from defects in material and workmanship:

- Earthmoving, construction, material handling, forestry and paving machines (except as listed below).
- Attachments/work tools installed on such machines prior to delivery (unless covered by the Cat® Work Tool warranty statement or another manufacturer's warranty). Hammer tool points and compacting plates used on hydraulic hammers are not warranted.

Additional warranties are applicable against breakage for certain Cat Ground Engaging Tools and for wear on all landfill compactor tips. Refer to the applicable warranty statements for coverage detail.

This warranty does not apply to:

- Cat Batteries
- Mobil-trac belts, rubber tracks used on multi terrain loaders, compact track loaders, and mini hydraulic excavators
- Cat Work Tools
- 424 Backhoe Loaders, 216 and 226 Skid Steer Loaders, and 320 Excavators sold in India
- Prentice brand forestry machines
- Longwall mining machines
- 785, 789, 793, 794, 795, 797 Off-Highway Truck models sold in regions other than the Commonwealth of Independent States ("CIS")
- 24 Motor Grader models sold in regions other than the CIS
- 854, 992, 993, 994 Wheel Loader models sold in regions other than CIS
- Cat Utility Vehicles (UTV)
- Compact Construction Equipment including Compact Track & Multi Terrain Loaders, Mini Hydraulic Excavators, and Skid Steer Loaders sold in USA or Canada.

These products are covered by other Caterpillar warranties.

This warranty is subject to the following:

Warranty Period

For new machines and work tools/attachments the warranty period is 12-months/unlimited hours, starting from date of delivery to the first user.

Note:

- For hydraulic line's quick connect/disconnect components sold on compact wheel loaders, mini hydraulic excavators, skid steer loaders, multi terrain loaders, and compact track loader machines, the warranty period is 50 hours starting from the date of delivery to the first user.
- For Draglines, Electric Rope Shovels, Hard Rock Movers, Hard Rock Feeders, Hard Rock Miners, Hard Rock Conveyors, Hard Rock Roof Supports: the warranty period is not to exceed 24 months from shipment of the last major component from the Caterpillar place of manufacture.

Caterpillar Responsibilities

If a defect in material or workmanship is found during the warranty period, Caterpillar will, during normal working hours and at a place of business of a Cat dealer or other source approved by Caterpillar

- Provide (at Caterpillar's choice) new, remanufactured, or Caterpillar approved repaired parts or assembled components needed to correct the defect.

Note: New, remanufactured, or Caterpillar approved replacement parts provided under the terms of this warranty are warranted for the remainder of the warranty period applicable to the product in which installed as if such parts were original components of that product. Items replaced under this warranty become the property of Caterpillar.

- Replace lubricating oil, filters, antifreeze, and other service items made unusable by the defect.
- Provide reasonable and customary labor needed to correct the defect.

User Responsibilities

The user is responsible for:

- Providing proof of delivery date to the first user.
- Labor costs, except as stated under "Caterpillar Responsibilities."
- Transportation costs, except as stated under "Caterpillar Responsibilities."
- Premium or overtime labor costs.
- Parts shipping charges in excess of those that are considered usual and customary.
- Local taxes, if applicable.
- Costs to investigate complaints, unless the problem is caused by a defect in Caterpillar material or workmanship.
- Giving timely notice of a warrantable failure and promptly making the product available for repair.
- Performance of the required maintenance (including use of proper fuel, oil, lubricants, and coolant) and items replaced due to normal wear and tear.
- Allowing Caterpillar access to all electronically stored data.

Limitations

Caterpillar is not responsible for:

- Failures resulting from any use or installation that Caterpillar judges improper.
- Failures resulting from attachments, accessory items, and parts not sold or approved by Caterpillar.
- Failures resulting from abuse, neglect, and/or improper storage or repair.
- Failures resulting from user's delay in making the product available after being notified of a potential product problem.
- Failures resulting from unauthorized repair or adjustments, and unauthorized fuel setting changes.

continued...

This warranty covers every major component of the products. Claims under this warranty should be submitted to a place of business of a Cat dealer or other source approved by Caterpillar. For further information concerning either the location to submit claims or Caterpillar as the issuer of this warranty, write Caterpillar Inc., 100 N. E. Adams St., Peoria, IL USA 61629, telephone 1 (309) 675-1000, or go to URL www.cat.com, Find Your Dealer

Caterpillar's obligations under this Limited Warranty are subject to, and shall not apply in contravention of, the laws, rules, regulations, directives, ordinances, orders, or statutes of the United States, or of any other applicable jurisdiction, without recourse or liability with respect to Caterpillar.

A) For products operating outside of Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:

NEITHER THE FOREGOING EXPRESS WARRANTY NOR ANY OTHER WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED, IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT CATERPILLAR EMISSION-RELATED COMPONENTS WARRANTY FOR NEW ENGINES, WHERE APPLICABLE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN.

CATERPILLAR IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

CATERPILLAR EXCLUDES ALL LIABILITY FOR OR ARISING FROM ANY NEGLIGENCE ON ITS PART OR ON THE PART OF ANY OF ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES IN RESPECT OF THE MANUFACTURE OR SUPPLY OF GOODS OR THE PROVISION OF SERVICES RELATING TO THE GOODS.

IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION ON CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS IS EXCLUDED IN ITS ENTIRETY.

B) For products operating in Australia, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, the Solomon Islands, and Tahiti, the following is applicable:

THIS WARRANTY IS IN ADDITION TO WARRANTIES AND CONDITIONS IMPLIED BY STATUTE AND OTHER STATUTORY RIGHTS AND OBLIGATIONS THAT BY ANY APPLICABLE LAW CANNOT BE EXCLUDED, RESTRICTED OR MODIFIED ("MANDATORY RIGHTS"). ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED (BY STATUTE OR OTHERWISE), ARE EXCLUDED. WITHOUT LIMITING THE FOREGOING PROVISIONS OF THIS PARAGRAPH, WHERE A PRODUCT IS SUPPLIED FOR BUSINESS PURPOSES, THE CONSUMER GUARANTEES UNDER THE CONSUMER GUARANTEES ACT 1993 (NZ) WILL NOT APPLY.

NEITHER THIS WARRANTY NOR ANY OTHER CONDITION OR WARRANTY BY CATERPILLAR, EXPRESS OR IMPLIED (SUBJECT ONLY TO THE MANDATORY RIGHTS), IS APPLICABLE TO ANY ITEM CATERPILLAR SELLS THAT IS WARRANTED DIRECTLY TO THE USER BY ITS MANUFACTURER.

IF THE MANDATORY RIGHTS MAKE CATERPILLAR LIABLE IN CONNECTION WITH SERVICES OR GOODS, THEN TO THE EXTENT PERMITTED UNDER THE MANDATORY RIGHTS, THAT LIABILITY SHALL BE LIMITED AT CATERPILLAR'S OPTION TO (a) IN THE CASE OF SERVICES, THE SUPPLY OF THE SERVICES AGAIN OR THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN AND (b) IN THE CASE OF GOODS, THE REPAIR OR REPLACEMENT OF THE GOODS, THE SUPPLY OF EQUIVALENT GOODS, THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT GOODS.

CATERPILLAR EXCLUDES ALL LIABILITY FOR OR ARISING FROM ANY NEGLIGENCE ON ITS PART OR ON THE PART OF ANY OF ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN RESPECT OF THE MANUFACTURE OR SUPPLY OF GOODS OR THE PROVISION OF SERVICES RELATING TO THE GOODS.

CATERPILLAR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES UNLESS IMPOSED UNDER MANDATORY RIGHTS.

IF OTHERWISE APPLICABLE, THE VIENNA CONVENTION (CONTRACTS FOR THE INTERNATIONAL SALE OF GOODS) IS EXCLUDED IN ITS ENTIRETY.

C) For products supplied in Australia:

IF THE PRODUCTS TO WHICH THIS WARRANTY APPLIES ARE:

- I. PRODUCTS OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION; OR
- II. PRODUCTS THAT COST AUD 40,000 OR LESS,

WHERE THOSE PRODUCTS WERE NOT ACQUIRED FOR THE PURPOSE OF RE-SUPPLY OR FOR THE PURPOSE OF USING THEM UP OR TRANSFORMING THEM IN THE COURSE OF PRODUCTION OR MANUFACTURE OR IN THE COURSE OF REPAIRING OTHER GOODS OR FIXTURES, THEN THIS SECTION C APPLIES.

THE FOLLOWING MANDATORY TEXT IS INCLUDED PURSUANT TO THE AUSTRALIAN CONSUMER LAW AND INCLUDES REFERENCES TO RIGHTS THE USER MAY HAVE AGAINST THE DIRECT SUPPLIER OF THE PRODUCTS: OUR GOODS COME WITH GUARANTEES THAT CANNOT BE EXCLUDED UNDER THE AUSTRALIAN CONSUMER LAW. YOU ARE ENTITLED TO A REPLACEMENT OR REFUND FOR A MAJOR FAILURE AND COMPENSATION FOR ANY OTHER REASONABLY FORESEEABLE LOSS OR DAMAGE. YOU ARE ALSO ENTITLED TO HAVE THE GOODS REPAIRED OR REPLACED IF THE GOODS FAIL TO BE OF ACCEPTABLE QUALITY AND THE FAILURE DOES NOT AMOUNT TO A MAJOR FAILURE. THE INCLUSION OF THIS TEXT DOES NOT CONSTITUTE ANY REPRESENTATION OR ACCEPTANCE BY CATERPILLAR OF LIABILITY TO THE USER OR ANY OTHER PERSON IN ADDITION TO THAT WHICH CATERPILLAR MAY HAVE UNDER THE AUSTRALIAN CONSUMER LAW.

TO THE EXTENT THE PRODUCTS FALL WITHIN THIS SECTION C BUT ARE NOT OF A KIND ORDINARILY ACQUIRED FOR PERSONAL, DOMESTIC OR HOUSEHOLD USE OR CONSUMPTION, CATERPILLAR LIMITS ITS LIABILITY TO THE EXTENT IT IS PERMITTED TO DO SO UNDER THE AUSTRALIAN CONSUMER LAW TO, AT ITS OPTION, THE REPAIR OR REPLACEMENT OF THE PRODUCTS, THE SUPPLY OF EQUIVALENT PRODUCTS, OR THE PAYMENT OF THE COST OF SUCH REPAIR OR REPLACEMENT OR THE ACQUISITION OF EQUIVALENT PRODUCTS.

THE WARRANTY SET OUT IN THIS DOCUMENT IS GIVEN BY CATERPILLAR INC. OR ANY OF ITS SUBSIDIARIES, 100 N. E. ADAMS ST, PEORIA, IL USA 61629, TELEPHONE 1 309 675 1000. THE USER IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MAKING A CLAIM UNDER THE WARRANTY SET OUT IN THIS DOCUMENT. EXCEPT AS EXPRESSLY STATED OTHERWISE IN THIS DOCUMENT, AND THE USER IS REFERRED TO THE BALANCE OF THE DOCUMENT TERMS CONCERNING CLAIM PROCEDURES, CATERPILLAR RESPONSIBILITIES AND USER RESPONSIBILITIES.

TO THE EXTENT PERMISSIBLE BY LAW, THE TERMS SET OUT IN THE REMAINDER OF THIS WARRANTY DOCUMENT (INCLUDING SECTION B) CONTINUE TO APPLY TO PRODUCTS TO WHICH THIS SECTION C APPLIES.

©2018 Caterpillar All Rights Reserved.

CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.