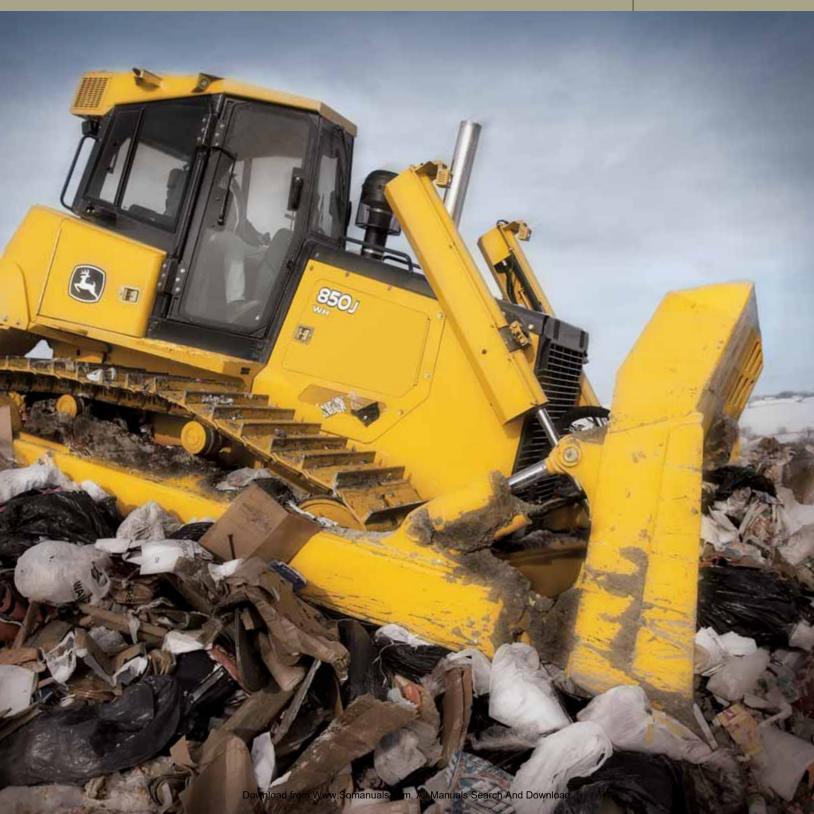


J

DOZER

850J WASTE HANDLER



Purpose-built for handling waste.



With their full-featured hydrostatic drivetrains, 850J Waste Handlers deliver production-boosting advantages you just don't get with other crawlers in this class. But powerful performance is just the start of the 850J WH story. These 24-ton workhorses also have what they need to keep their cool in a hostile world. They're purpose-built to be as waste-proof and easy to maintain as possible. With the 850J Waste Handler, you get the productivity and uptime you need for landfill work.



The reversing fan can be set to change direction every 30, 60, or 90 minutes, or activated from the seat as needed. Keeps the engine running cool and increases productivity.

Variable-speed fan automatically speeds up or slows down, running only as needed to keep things cool. Improves fuel efficiency and decreases noise levels, too.

Unitized mainframe with flush-fit bottom guards combines with tight-fitting side shields to prevent debris from being drawn into the engine compartment.

Generous air intake through the engine compartment slows the velocity and reduces vacuuming of debris. Right and left side shields open wide for easy access.

- With the fan positioned just behind the heavy-duty grille, coolers are less vulnerable to damage. Split-hinged grille opens wide for convenient clean out.
- 2. Five-millimeter perforations in the hood and side shields act as a "first filter," preventing entry of most airborne debris.
- 3. Six-fin-per-inch side-by-side radiator and coolers resist clogging and are easy to clean.



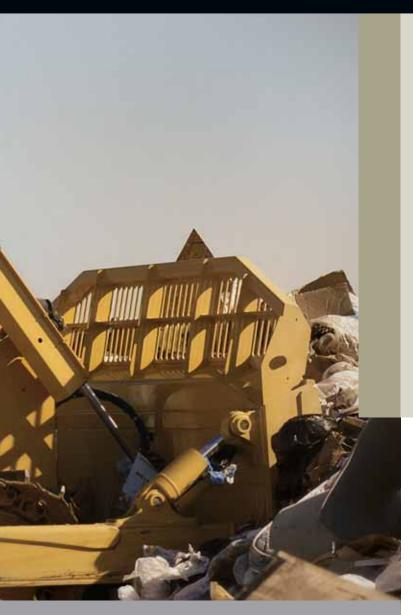


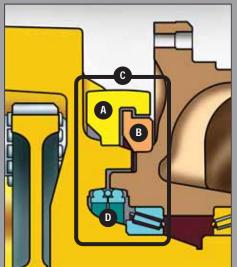












Final Drive Protection:

- A) Final drive seal guard
- B) Final drive seal guard
- C) Stepped labyrinth protection
- D) Protected final drive seals

Bolt-on seal guards and stepped labyrinth housings make the final drives virtually impenetrable. They help minimize downtime and expense by keeping wire, strapping tape, metal springs, and other intrusive contaminants away from final drive seals. Four forward and three rear high-intensity halogen work lights are positioned high for superior illumination.

Lift-cylinder guards keep hydraulic hoses and cylinders out of danger. Blade hoses are steel-cable supported and Cordura covered for extra protection. Semi-U blade hoses are routed internally for extra protection and to prevent snagging.

Air-conditioning condenser is mounted up and away behind the cab for extra protection and dust reduction.

Cantilevered carrier rollers, recessed segmented sprockets, and trapezoidal openings in extreme-duty track shoes help prevent refuse packing.

Uni-body track frames ensure durability. Smooth idler-to-sprocket covers shed material build-up for easier clean-out.

Sealed electrical center protects fuses, relays, and connections from dirt, debris, and moisture, ensuring maximum reliability and uptime.

Optional full-width trash rack reduces front-end damage and increases blade capacity for extra production.

Cab-mounted strobe light is activated whenever the electrical system is switched on.

The curved shape of the final drive housings resists wrapping and sawing action of debris.

- Heavy-duty tank guards help protect the hydraulic, hydrostatic, and fuel reservoirs. Optional front and rear striker bars help shed material from the tracks.
- 2. Unitized mainframe with flush-fit bottom guards forms a smooth underbelly that doesn't accumulate or drag trash.





Uncover new ways to keep costs down.

Swing open their hinged side shields and you'll uncover lots of ways these crawlers help keep maintenance and daily operating costs to a minimum. Same-side daily service points make quick work of the daily routine, and extended engine oil and

drivetrain service intervals let you work longer between changes. Other uptime-enhancing features include an easy-to-clean undercarriage, quick-toreplace hydraulic hoses, and designed-in diagnostics, to list just a few.





- Operator station tilts a full 70 degrees in only minutes for wide-open access to internal components.
- Advanced in-cab monitor gives easy-tounderstand diagnostic messages for quick and easy troubleshooting without special tools.





- Common hydraulic and hydrostatic filters and engine, hydraulic, and transmission oil simplify service and minimize expense.
- Rotary air pre-cleaner ejects dust to maximize filter life and includes a trash quard to prevent debris entry.





- Fluid sample and remote drive-system test ports simplify preventative maintenance and troubleshooting for increased uptime.
- Convenient maintenance and lube chart provides a quick reference to help ensure that nothing gets overlooked.

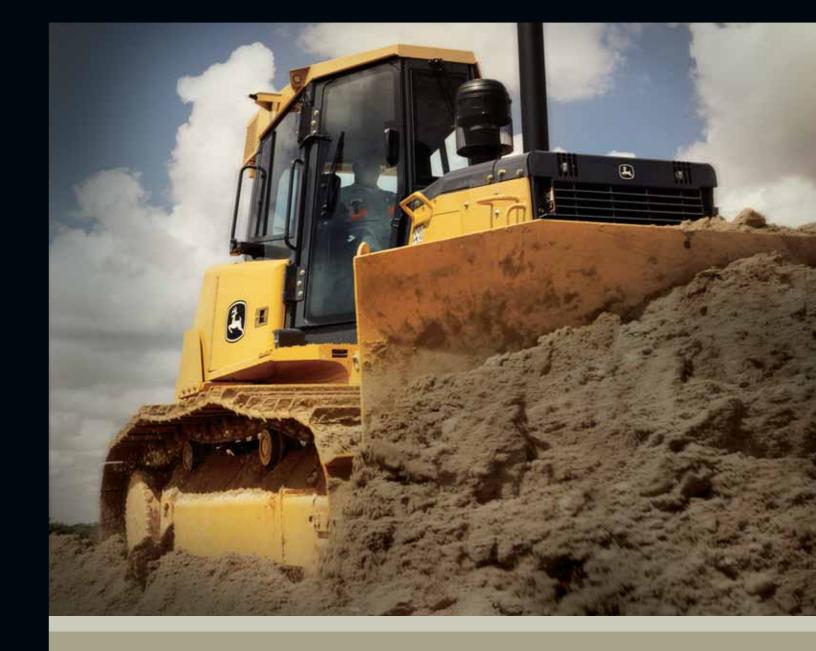
Five-hundred-hour engine oil and 2,000-hour transmission and hydraulic fluid levels increase uptime, decrease expense.

Hinged bottom guard opens easily for quick and convenient clean out.

Greaseless center crossbar pin joint provides long life with less maintenance. Lube bank provides easy access to C-frame pivots. Separate hydraulic and hydrostatic reservoirs eliminate the possibility of cross-contamination. Sight gauges reveal fluid levels at a glance.

Unlike elevated tracks, Deere's heavy-duty sealed and lubricated Dura-Trax™ undercarriage has only one wear-causing forward-travel flex point — for longer life.





Tireless performer.

If you're looking for a crawler that does more with less effort, you'll choose a John Deere. The 850J's hydrostatic system goes beyond the limits of other drivetrains, delivering infinite speed control, power management, and full

power turns. What's more, Total Machine Control lets an operator customize machine operation and response to personal preferences. For nearly tireless operating ease that helps make big productivity possible.





Generous hydraulic flow and precise metering ensure powerful and quick blade response.

Power management takes the work out of efficient operation, automatically powering up or down as loads change to maintain peak engine efficiency.

Spacious, pressurized, air-conditioned cab employs two easy-to-service filters and numerous directional vents to deliver a comfortable work environment.

Seven-way adjustable deluxe suspension armchair provides plenty of legroom and daylong comfort.

A convenient 12-volt port powers cell phones and other accessories.



Ergonomically correct joystick provides intuitive, low-effort control of steering, forward/reverse travel, and ground speed.



Exclusive TMC lets an operator select decelerator mode and response, forward/reverse ground-speed ranges, steering modulation, F-N-R shift rate, and forward/reverse ratios for one-of-a-kind control.

Specifications

Engine	850J WH WT w/Semi-U Blade / WLT w/PAT Blade	850J WH LGP w/PAT or Semi-U Blade		
Manufacturer and Model		John Deere PowerTech Plus 6090HT		
Non-Road Emission Standards	,	complies with EPA Tier 3 regulations		
Cylinders		6		
Displacement		550 cu. in. (9.0 L)		
Net Pools Torring (ISO9249)		200 hp (151 kW) @ 1,800 rpm		
Net Peak Torque (ISO9249)	. or i ibit. (83 i Nm) @ 1,500 rpm . pressure system with full-flow spin-on filter and oil-to-water	675 lbft. (915 Nm) @ 1,500 rpm pressure system with full-flow spin-on filter and oil-to-water		
Lubitcation	cooler	cooler		
Air Cleaner	dual-stage dry type with tangential unloader	dual-stage dry type with tangential unloader		
Cooling				
Туре	. variable-speed, thermostatically controlled; hydraulically driven with auto reverser on selectable timer or activated by a switch in the cab			
Engine Coolant Rating	. – 34 deg. F (– 37 deg. C)	– 34 deg. F (– 37 deg. C)		
Powertrain				
Transmission	. automatic, dual-path, hydrostatic drive; load-sensing feature aut	comatically adjusts speed and power to match changing load		
	conditions; each individually controlled track is powered by a va			
	ground-speed selection buttons on single-lever steering and direction control; independently selectable reverse speed ratios 80%, 100%, 115%, or 130% of forward ground speed; decelerator pedal controls ground speed to stop			
System Relief Pressure		6,650 psi (45 850 kPa)		
Filter, Charge Oil		10 micron		
Cooling				
Travel Speeds (forward and reverse)		6.3 mph (10 km/h)		
Steering	single-lever steering, speed, direction control, and counterrotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes			
Final Drives	double-reduction planetary final drives transfer torque loads over three gear sets; mounted independently of track frames and			
	dozer push frames for isolation from shock loads	. and goal colo, mounted independently of adolernance and		
Total Ratio		44.7483 to 1		
Drawbar Pull				
Maximum	. 77,300 lb. (344 kN)	77,300 lb. (344 kN)		
@ 1.2 mph (1.9 km/h)	. 37,500 lb. (167 kN)	40,000 lb. (178 kN)		
@ 2.0 mph (3.2 km/h)	. 27,000 lb. (120 kN)	29,500 lb. (131 kN)		
	. hydrostatic (dynamic) braking stops the machine when the direc is depressed to the end of travel	tion/steering control lever is moved to neutral or the decelerator		
Туре	. hydraulic			
Parking Brakes	Parking Brakes			

Hydraulics 850J WH WT w/Semi-U Blade / WLT w/PAT Blade / LGP w/PAT or Semi-U Blade

Load sense, piston pump

 Pump (74 cc)
 46 gpm (174 L/min.)

 System Relief Pressure
 3,625 psi (24 993 kPa)

 Differential Pressure
 275 psi (1896 kPa)

 Filter, Return Oil
 10 micron

 Maximum Flow @ Unloaded High Idle
 42 gpm (162 L/min.)

Maximum Flow @ Unloaded High Idle 43 gpm (163 L/min.)

Control

Outside Dozer......T-bar hydraulic-pilot two-function joystick

Cooling convective oil sump

Electrical

<u>Undercarriage</u> 850J WH WT w/Semi-U Blade / WLT w/PAT Blade 850J WH LGP w/PAT or Semi</u>-U Blade

lubricated rollers for maximum wear resistance; sprockets are segmented WT with semi-U blade WLT with PAT blade LGP with PAT blade LGP with semi-U blade Track Gauge for WT Waste Handler...... 6 ft. 8 in. (2032 mm) 7 ft. 4 in. (2235 mm) 7 ft. 10 in. (2388 mm) 7 ft. 2 in. (2184 mm) Grouser Width (single bar, open center) . . . 30 in. (762 mm) 30 in. (762 mm) 36 in. (914 mm) 36 in. (914 mm) Shoes (each side) 40 45 45 Track Rollers (single flange, each side)....7 Track Length on Ground 9 ft. 1 in. (2769 mm) 10 ft. 9 in. (3284 mm) 10 ft. 9 in. (3284 mm) 10 ft. 9 in. (3284 mm) Ground Contact Area. 6,540 sq. in. (42 193 cm²) 7,758 sq. in. (50 052 cm²) 9,310 sq. in. (60 064 cm²) 9,310 sq. in. (60 064 cm²) Ground Pressure. 6.83 psi (47.1 kPa) 6.11 psi (42.2 kPa) 5.15 psi (35.5 kPa) 5.16 psi (35.6 kPa) Track Pitch 8 in. (203 mm) 8 in. (203 mm) 8 in. (203 mm) 8 in. (203 mm) Oscillation at Front Roller ± 4.5 in. (± 114 mm) ± 6.5 in. (± 166.5 mm) ± 6.6 in. (± 168 mm) ± 6.6 in. (± 168 mm)

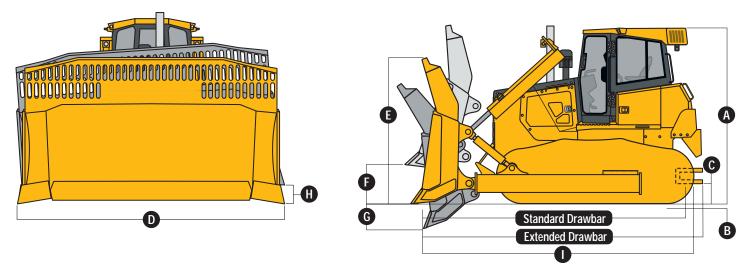
Serviceability 850J WH WT w/Semi-U Blade / WLT w/PAT Blade / LGP w/PAT or Semi-U Blade

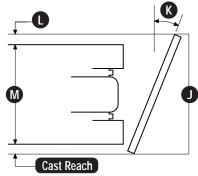
Refill Capacities*

850J WH WT w/Semi-U Blade / WLT w/PAT Blade **Operating Weights** 850J WH LGP w/PAT or Semi-U Blade With Waste-Handling Package, Blade with Trash Rack, Full Fuel Tank, and 175-lb. WLT with PAT blade LGP with PAT blade LGP with semi-U blade With Extreme-Duty Shoes With Trapezoidal Holes 47,432 lb. (21 515 kg) 48,796 lb. (22 133 kg) Blade With Trash Rack and Push-Beam Weights Including Straight End Bits 7,486 lb. (3396 kg) N/A N/A 7,644 lb. (3467 kg) C-Frame Assembly with Cylinder. . . N/A 7,024 lb. (3186 kg) 7,198 lb. (3265 kg) N/A

^{*}Please follow drain and refill procedures and volumes listed in the operator's manual.

Operating Weights (continued)	850J WH WT w/Semi-	850J WH WT w/Semi-U Blade / WLT w/PAT Blade		850J WH LGP w/PAT or Semi-U Blade	
Optional Components (add or subtract					
from base weight)	WT with semi-U blade	WLT with PAT blade	LGP with PAT blade	LGP with semi-U blade	
22-in. (560 mm) Extreme-Duty		– 482 lb. (– 218.6 kg)			
24-in. (610 mm) Extreme-Duty		– 148 lb. (– 67.1 kg)			
30-in. (760 mm) Extreme-Duty			– 1,102 lb. (– 500 kg)	- 1,102 lb. (- 500 kg)	
Trash Rack	455 lb. (206.4 kg)	436 lb. (197.8 kg)	462 lb. (209.6 kg)	498 lb. (225.9 kg)	
Striker Bars	0.45 lb /4.4.4 1 l\	1/0 - /70 /	1/0 - /70 / >	225 15 (4.47 4.15-)	
Front.		160 lb. (72.6 kg)	160 lb. (72.6 kg)	325 lb. (147.4 kg)	
Rear	366 ID. (166 Kg)	171 lb. (77.6 kg)	171 lb. (77.6 kg)	171 lb. (77.6 kg)	
Air Pre-Cleaner	47 lb (21.2 lcm)	47 lb (21 2 kg)	47 lb (21 2 kg)	47 lb (21 2 kg)	
Powered Cab		47 lb. (21.3 kg)	47 lb. (21.3 kg)	47 lb. (21.3 kg)	
Dual-Stage Engine		13 lb. (5.9 kg)	13 lb. (5.9 kg)	13 lb. (5.9 kg)	
Retrieval Hitch		114 lb. (52 kg)	114 lb. (52 kg)	114 lb. (52 kg)	
Drawbar (extended rigid)	286 ID. (130 Kg)	286 lb. (130 kg)	286 lb. (130 kg)	286 lb. (130 kg)	
Screens	175 - /70)	175 11- (70 1)	175 - (70)	175 lb /70 l)	
Front and Door		175 lb. (79 kg)	175 lb. (79 kg)	175 lb. (79 kg)	
Rear		75 lb. (34 kg)	75 lb. (34 kg)	75 lb. (34 kg)	
Side		120 lb. (54 kg)	120 lb. (54 kg)	120 lb. (54 kg)	
Condenser Guard		121 lb. (55 kg)	121 lb. (55 kg)	121 lb. (55 kg)	
Limb Risers	600 lb. (272 kg)	600 lb. (272 kg)	600 lb. (272 kg)	600 lb. (272 kg)	
Counterweight	07F lb /207 lcs)	075 lb (207 kg)	07F lb (207 lcs)	075 lb (207 kg)	
Front.	. 0.	875 lb. (397 kg)	875 lb. (397 kg)	875 lb. (397 kg)	
Rear	990 lb. (449 kg)	990 lb. (449 kg)	990 lb. (449 kg)	990 lb. (449 kg)	
Machine Dimensions					
	WT with semi-U blade	WLT with PAT blade	LGP with PAT blade	LGP with semi-U blade	
A Overall Height to Roof	10 ft. 5 in. (3175 mm)	10 ft. 5 in. (3175 mm)	10 ft. 5 in. (3175 mm)	10 ft. 5 in. (3175 mm)	
B Tread Depth with Extreme-Duty Single-	,	,	,	(**************************************	
Bar Grousers	2.8 in (71 mm)	2.8 in. (71 mm)	2.8 in. (71 mm)	2.8 in. (71 mm)	
C Ground Clearance with Grousers	2.0 iii. (7 i iiiii)	2.0 11. (7 1 11111)	2.0 111. (7 1 11111)	2.5 iii. (7 i iiiii)	
(excludes grouser height)	16.1 in (400 mm)	16.1 in. (409 mm)	16.1 in. (409 mm)	16.1 in. (409 mm)	
	10.1 III. (407 IIIII)	10.1 111. (407 11111)	10.1 111. (407 111111)	10.1 111. (407 11111)	
With Trash Rack	44.0.01 (055.4)	40.0.0.1. (4040)	446.01 (40/7)	10.5.01. (00.41)	
D Blade Width	11 ft. 8 in. (3556 mm)	13 ft. 2 in. (4013 mm)	14 ft. 0 in. (4267 mm)	12 ft. 8 in. (3861 mm)	
E Blade Height					
With Trash Rack	,	6 ft. 0 in. (1829 mm)	6 ft. 0 in. (1829 mm)	6 ft. 4 in. (1930 mm)	
Without Trash Rack		4 ft. 0 in. (1229 mm)	4 ft. 0 in. (1229 mm)	4 ft. 4 in. (1321 mm)	
F Blade Lift Height	3 ft. 9 in. (1151 mm)	3 ft. 6 in. (1072 mm)	3 ft. 6 in. (1072 mm)	3 ft. 9 in. (1151 mm)	
G Blade Digging Depth	23.6 in. (599 mm)	27.7 in. (704 mm)	28 in. (704 mm)	24 in. (599 mm)	
H Blade Tilt (uses tilt jack)		21.2 in. (538 mm)	23 in. (572 mm)	34 in. (853 mm)	
l Overall Length with Blade		18 ft. 10 in. (5728 mm)	18 ft. 10 in. (5728 mm)	19 ft. 6 in. (5944 mm)	
J Overall Width with Blade Angled		9 ft. 6 in. (2896 mm)	12 ft. 10 in. (3901 mm)	N/A	
		,			
K Blade Angle		23.8 deg.	23.8 deg.	N/A	
L Cut Reach		5.7 in. (145 mm)	4.3 in. (158 mm)	N/A	
M Width Over Track	9 ft. 2 in. (2794 mm)	9 ft. 10 in. (2997 mm)	10 ft. 10 in. (3302 mm)	10 ft. 2 in. (3099 mm)	
Blade Capacity					
With Trash Rack		12.7 cu. yd. (9.71 m³)	12.9 cu. yd. (9.86 m³)	15.2 cu. yd. (11.62 m³)	
Without Trash Rack	7.62 cu. yd. (5.82 m³)	5.57 cu. yd. (4.26 m³)	5.87 cu. yd. (4.49 m³)	7.8 cu. yd. (5.96 m³)	





Rear Ripper

850J WH WT w/Semi-U Blade / WLT w/PAT Blade / LGP w/PAT or Semi-U Blade

Parallelogram ripper with hydraulic pitch adjustment and ESCO ripper tips, multi-shank (3)

Weight ... 4,480 lb. (2032 kg)

N Maximum Penetration ... 28.5 in. (724 mm)

O Maximum Clearance Under Tip ... 24 in. (610 mm)

P Overall Length (lowered position) ... 5 ft. 4 in. (1626 mm)

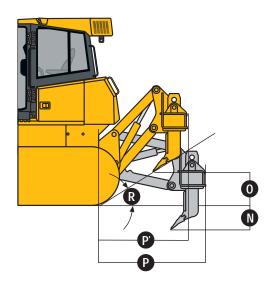
P' Overall length (raised position) ... 5 ft. 0 in. (1524 mm)

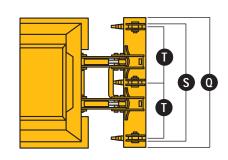
O Overall Beam Width ... 7 ft. 10.5 in. (2400 mm)

R Slope Angle (full raise) 24 deg.

 S Ripping Width.
 7 ft. 0.5 in. (2146 mm)

 T Distance Between Shanks
 3 ft. 5 in. (1041 mm)





850J WH WASTE HANDLER

Key: • Standard equipment • Optional or special equipment

Base Lar 850J Pac	ndfill kage Engine	Base Landfill 850J Package	Attachments
	Certified to EPA Tier 3 emissions Electronic control with automatic engine protection Dual safety element dry-type air cleaner, evacuator valve Muffler, self draining, under hood, with vertical stack Environmental service drains Ether start aid Chrome exhaust	A A A A A A A A A	Retrieval hitch with pin Extended rigid drawbar with pin for pull-type implements Counterweight, rear, 720 lb. (327 kg) Counterweight, rear, 1,000 lb. (454 kg) Ripper, rear, three shank Cab screens Undercarriage
	Rotary ejector engine air precleaner Cooling		Oscillating undercarriage with remote lube Full-length, smooth-surface track frame covers
•	Cooling fan, suction type, programmable reversing Engine coolant radiator (6 fins per in.) Hydrostatic cooler (oil/air – 6 fins per in.) Hydraulic cooler (oil/air – 6 fins per in.) Enclosed safety fan guard (conforms to SAE J1308 and ISO3457)		Guides, front and rear, with bolt-on wear strips Segmented sprockets Double-flange rollers Maintenance-free center crossbar pivot Operator's Station
	Perforated engine side shields Split-hinge bar-type grille Extreme-duty grille Transmission	•	Cab with roof-mounted air conditioner (24,000 BTU) and heater Left and right quarter hinged windows Tinted safety glass Dome light
●	Diagnostic test ports Environmental service drains Final-drive seal guards Onboard diagnostics Hydraulic System	A A	Fresh-air-intake heater/defroster Windshield wiper/washers (3) for windshield and doors Mechanical suspension high-back fabric seat Air suspension high-back fabric seat 3-in. (76 mm) retractable seat belt
• (Two-function hydraulics Three-function hydraulics Four-function hydraulics with rear plumbing Electrical		Backrest tilt, thigh support, lumbar, height, weight, and fore-aft positioning Power port, 12 volt Second power port Lockable dash-mounted storage compartment Rear wiper, two speed
•	 Sealed alternator, 80 amps Master electrical disconnect switch Lights, grille or lift cylinder mounted (2) and rear mounted (1) Work lights (4), cab roof mounted Mainframe, Access Panels 	A A A	AM/FM weather-band radio and digital clock External mounted attachment mirror JDLink™ Landfill Configuration
•	Tilt operator station transmission access Front tow loop Integral bottom protection Bottom access covers (bolt-on, 6 total, 5 swing away) Vandal protection: Engine access door / Side tank access doors / Fuel tank / Instrument panel / Transmission reservoir / Hydraulic reservoir	A • • • • • • • • • • • • • • • • • • •	Tank guards Lift-cylinder hose guards Blade trash rack Beacon 30-in. (762 mm) extreme-service shoes with trapezoidal holes 36-in. (914 mm) extreme-service shoes with trapezoidal holes

CONTROL OWNING AND OPERATING COSTS

Customer Personal Service (CPS) is part of John Deere's proactive, fix-before-fail strategy on machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:

Fluid analysis program – tells you what's going on inside *all* of your machine's major components so you'll know if there's a problem *before* you see a decline in performance. Fluid analysis is included in most extended coverage and preventive-maintenance agreements.

Component life-cycle data – gives you vital information on the projected life span of components and lets you make informed decisions on machine maintenance by telling you approximately how many hours of use you can expect from an engine, transmission, or hydraulic pump. This information can be used to preempt catastrophic downtime by servicing major components at about 80 percent of their life cycle.

Preventive Maintenance (PM) agreements – give you a fixed cost for maintaining a machine for a given period of time. They also help you avoid downtime by ensuring that critical maintenance work gets done right and on schedule. On-site preventive maintenance service performed where and when you need it helps protect you from the expense of catastrophic failures and lets you avoid waste-disposal hassles.

*See your John Deere dealer for further information.

Extended coverage – gives you a fixed cost for machine repairs for a given period of time so you can effectively manage costs. Whether you work in a severe-service setting or just want to spread the risk of doing business, this is a great way to custom-fit coverage for your operation. And an extended coverage contract also travels well because it's backed by John Deere and is honored by *all* Deere construction dealers.

Customer Support Advisors (CSAs) – Deere believes the CSA program lends a personal quality to Customer Personal Service (CPS). Certified CSAs have the knowledge and skills for helping make important decisions on machine maintenance and repair. Their mission is to help you implement a plan that's right for your business and take the burden of machine maintenance off your shoulders.



DKA850JWH Litho in U.S.A. (07-04)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions per ISO9249. No derating is required up to 10,000-ft. (3050 m) altitude.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unif at cab, waste-handling package, full fuel tank, 175-lb. (79 kg) operator, and standard equipment; 140-in. (3556 mm) outside-mount semi-U blade or 158-in. (4013 mm) PAT blade.



Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com