



Current Date 13Jan2020

870G MOTOR GRADER

870G Standard Equipment

VEHICLE COOLING:

Swing-Out, Cool-On-Demand, Hydraulic Fan (32 In.)
Enclosed Engine Fan and Fan Drive Guarding (Conforms to ISO 3457)
Heavy Duty Aluminum Coolers for Transmission, Axle, Hydraulic, Fuel, Charge Air, Radiator and A/C Condenser. 10 Fin/Inch or less and coolers may swing-out, fold-out or remain stationary for cleaning.

Engine Coolant Surge Tank Cool-Gard II Extended Life Engine Coolant -34 Degrees F (-37 Degrees C)

TRANSMISSION:

John Deere Powershift Plus Direct Drive, Countershaft Powershift
Event Based Shifting (EBS) - Load Sensing Electronic Shift Modulation
Over speed Protection
Quick Disconnect Pressure Ports
Matched 8 Forward and 8 Reverse Speeds
Industry Standard U-Shape Shift Pattern
Transmission Neutral Lock with Park Start Safety Switch

Rubber Isolation Mounting to Reduce Noise and Vibration
Independent Oil Reservoir, Filtration and Cooling System with:
32 GPM Transmission Gear Pump

15 Amp (24 V to 12 V W/ Continuous 10 amps) Converter and (2) Power Ports
(1)Interior and (2)Exterior Mounted Rearview Mirrors (Conforms to SAE J985)
Air Vents on all Front and side Tinted Windows
Fixed Lower Front Tinted Window
Rear Window Electric Defroster
Laminated Upper Front Tinted Window w/ Sun Shade Band
Upper Front and Rear Windshield Washers with Intermittent Wipers
Molded Floor Mat
Coat Hook
Universal RH & LH Mounting Bracket
Cooler/Lunch Box Storage with Cup Holder
Operator Manual Storage
Front Sun Visor

ELECTRICAL:

24 Volt System
Alternator (dependent on engine emission and optional equipment)
Bypass Start Safety Cover on Starter
All Light and Wiper Switches have Solid State Electrical Power
Distribution System
Batteries (2), 1400 CCA with 440 Minute Reserve Capacity
Positive Terminal Battery Covers
Ground Level Electrical

Codes
Machine Settings
Diagnostics
Monitor Settings

HYDRAULIC SYSTEM:

PCLS (Pressure Compensating Load Sensing) Hydraulic System
Independent Hyd. reservoir with Sight Glass
Independent Main Hydraulic filtration cooling system with:
57.5 GPM Main Hydraulic Axial Piston Pump
O-Ring Face Seal Connectors

Float control included with blade lifts
2000 Hour Vertical Spin-On Filter

STRUCTURE:

Main Frame with:
Double Ball-N-Socket Pivot Connection
Snow Wing Ready Frame
Midmount Scarifier Ready
Grade Control Mount Ready
Tapered Roller Bearing in Bottom Articulation Joint
Tapered Roller Bearing King Pins on Front Axle
Lift Eyes
Tiedowns
(20) NeverGrease Pin Joints for Saddle Linkage, Blade Tilt, Rear
Steering and Lean Cylinders

MOLDBOARD:

Patented Pre-Stressed 14 Ft. x 27 In. x 1 In. (4.27 M x 686 mm x 25 mm)
Moldboard with:

2000 Hour Vertical Spin-On Filter	Master Disconnect Switch	8 In. x 3/4 In. (203 x 19 mm) Cutting Edge with 5/8 in. Reversible End Bits
AXLE, BRAKES AND TANDEMS:	Electric Fuel Shut off Switch	Quick Change Circle Wear Inserts (All Nylon)
Teammate II Axle	Transporting Lights w/LED Signal and Marker Lights (4 Halogen	Quick Change and Adjustable Heavy Duty Moldboard Side Shift Wear Inserts
Planetary Single Reduction Final Drives	Transport lights)	Dual Input Circle Drive Gearbox (non-slip)
Internal Self-Adjusting Maintenance Free Wet Multi-Disk Brakes Inboard of Tandem Pivot	Transporting Lights (4 Halogen Transport Lights). Includes LED turn signals on front frame, LED rear turn signals	OVERALL VEHICLE:
Continuous Pressurized Filtered Oil Cooled Brakes Independent Oil Reservoir, Filtration and Cooling System with:	mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights.	Left Side Daily Service Engine and Service Compartment Lights
8 GPM Axle Hydraulic Gear Pump	Cab Pre-Wired (10 amp) for Beacon, Radio and Auxiliary Circuit	Hinged Engine Side Shields
Primary and Secondary Service Brakes (Conforms to ISO 3450)	Electric Forward Warning Horn (Conforms to ISO 9533)	Tool Box with Tray
Automatic Differential Lock with Override	Back up Warning Alarm (Conforms to ISO 9533)	Articulation Joint Grease Bank
Automatic Spring-Applied Hydraulic Released Parking Brake (Conforms to SAE J1026)	Sealed Switch Module with Function Indicators	Articulated frame with Safety (ISO 10570) locking pin
17.5 R 25 Inch L2 Single Star Radial Tires	Multi-Function / Multi-Language LCD Color Monitor includes:	Radiator Surge Tank Access Panel
Slip Resistant Platforms on Tandems	DIGITAL INSTRUMENTS	Bottom/Side Guards with Access Panels
OPERATORS STATION:	ANALOG Display:	(6) D.O.T. (392&393)
Low ROPS/FOPS Air Conditioned Cab (Conforms ROPS ISO 3471 / FOPS ISO 3449 Level II)	Hydraulic Oil Temperature	Permanent Tie Downs for transport
Rubber Isolation Frame Mounted	Engine Coolant Temperature	Single Key Locks for Entire Vehicle
Keyless Start with Multiple Security Modes	Transmission Oil Temperature	Ground Level Fuel Tank Filling (FT4 Only)
Anti-Skid 3 Step Cab Access	Rear Steer Articulation Angle	Fluid Sampling Ports for Engine Oil, Engine Coolant, Hydraulic, Axle and Transmission Oils
Fabric Air Suspension Seat with Armrests and Headrest 3 In., (76 mm)	Fuel Level	Vandal Protection Locking for:
Seat Belt w/Retractors (Conforms to SAE J386)	DEF Level (FT4 Only)	Service Compartments
Tilt Wheel and Control Console with 5 Lock to Lock Power Steering	DIGITAL Display:	Cab Doors
Electronic Throttle Control with Auto / Manual Modes	Engine RPM	Radiator Surge Tank Access Door
ECO Mode: limits engine rpms to 1900 in gears 1-5	Transmission Gear Indicator	DEF Tank Door and Cap (FT4 Only)
	Hour Meter	Hydraulic Reservoir Cap
	Speedometer	Battery Disconnect Switch
	Odometer	Fuel Tank Door and Cap
	Outside Ambient Temperature	Tool Box
	Integrated Job Timer and Stop Watch	Fuel tank, 110 gallon (416 L)
	INDICATOR LIGHTS for Standard and Selected Options	Environmental Drains with Hoses for Engine, Transmission, Hydraulic, Axle Oils and Engine Coolant
	INDICATOR LIGHTS for Amber Caution and Red Stop	

OPERATOR WARNING
 MESSAGES
 BUILT-IN DIAGNOSTICS:
 Diagnostic Code Details
 Sensor Values
 Calibrations
 MENU DISPLAY:

Remote Filter Bank for
 Hydraulic, Transmission and
 Axle Oils
 Vehicle Side Reflectors

Required - *You must select one from each category*

▼ BASE MACHINE

FOB Davenport, Ia.

As not all option codes have field kits, please review your order option codes and available kits prior to placing a machine order

Description	Code	Price
870G MOTOR GRADER	8480T	\$359,060.00

▼ ENGINE

Description	Code	Price
John Deere PowerTech PSS 9.0L meets EPA FT4 Emissions	1140	\$55,585.00

For use only in areas where EPA Final Tier 4 is required.
 Requires engine exhaust code 1830 or 1840.

Automatic Exhaust Filter Regeneration
 Automatic Hydraulic Reversing Fan
 Series Turbo Chargers
 Cooled Exhaust Gas Recirculation
 4 Valves / Cylinder
 Wet Sleeve Cylinder Liners
 ECO Mode
 Auto-Idle and Programmable Auto-Shutdown
 Automatic Starter Overload Protection
 Electronically Controlled HPCR Fuel Delivery System, B20 Biodiesel
 Compatible
 Electric Fuel Priming System
 10-Micron Primary Fuel Filter/Water Separator, 500 hour
 2-Micron Final Fuel Filter, 500 hour
 Inline Fuel Strainer
 Spin-on Oil Filter, 500 hour
 Oil crankcase filter, Lifetime
 Auto-Tensioned Serpentine Belt
 Under Hood Dual Element Air Cleaner with Restriction Indicator
 Engine Intake Rotary Ejector Precleaner
 280 Net Peak hp

▼ EXHAUST

Description	Code	Price
Engine Exhaust W/ Flat Black Stack (FT4 or Stage V only)	1830	No Added Cost
Requires engine code 1140.		
Engine Exhaust W/ Chrome Stack (FT4 or Stage V only)	1840	\$703.00

Requires engine code 1140.



FUEL FILTRATION

Description	Code	Price
Standard Fuel & Water Filtration	1410	No Added Cost
Severe Duty Fuel & Water Filtration System	1420	\$528.00
For use where fuel quality is questionable and/or additional water separation is required. Filter base contains fuel heater.		



QUICK SERVICE GROUP

Description	Code	Price
Quick Service Group	1310	\$672.00
No Quick Service Group	1320	No Added Cost



MACHINE CONFIGURATION

Description	Code	Price
Standard Antler Rack Hydraulic Controls	1010	No Added Cost
Armrest Fingertip Controls	1020	\$33,489.00
Grade Pro Armrest Controls Include: * Fingertip controls with industry standard control pattern * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		
Dual Joystick Controls	1030	\$33,489.00
Grade Pro Armrest Controls Include: * Automated Cross Slope control * Integrated grade control (Contact TOPCON, Trimble, or Leica for full install requirements) * Return-to-Straight * Armrest steering control AND conventional steering wheel Requires alternator code 1220 or 1240 and cab code 5060 or 5070. Includes seat code 6140 and grade pro controls code 6650.		



OPERATOR'S STATION

ROPS/FOPS Air Conditioned Cab

Description	Code	Price
Low Cab w/ Fixed Lower Front and Side Windows	5020	No Added Cost
Low Cab w/ Fixed Lower Front and Side Opening Windows	5025	\$927.00
Low Cab w/ Lower Front and Side Opening Windows	5030	\$1,243.00

Includes Roof Wiring Harness for Lighting, Beacon, Precleaner and Heated Mirrors		
Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5035	\$3,087.00
The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.		
Grade Pro Low Cab w/ Lower Front and Side Opening Windows	5060	No Added Cost
Requires configuration code 1020 or code 1030 and seat code 6140. Requires (1) T244325 bracket to optionally move monitor to the RH door post.		
Grade Pro Low Cab w/ Fixed Lower Front and Side Opening Windows, Laminated Glass	5070	\$2,190.00
Requires configuration code 1020 or code 1030 and seat code 6140. Requires (1) T244325 bracket to optionally move monitor to the RH door post.		
The advantage of laminated glass is that it resists shattering and strongly resists penetration by impacting objects.		
Tall Cab with Lower Fixed Front and Side Opening Windows	50A1	\$2,555.00

CAMERA

Description	Code	Price
Rear Camera (R4)	8830	No Added Cost
Rear view camera with a dedicated monitor		
Front & Rear Camera (R4)	8835	\$2,500.00

MIRRORS

Description	Code	Price
Exterior Mounted Rearview Mirrors	8210	No Added Cost
Heated Exterior Mounted Rearview Mirrors	8220	\$570.00

RADIO

Description	Code	Price
AM/FM Radio with Aux and Weather Band (WB)	8410	\$983.00
Premium AM/FM Radio with Bluetooth, Aux and Weather Band (WB).	8415	\$1,515.00
Requires engine code 1140.		
No Radio	8420	No Added Cost

WASHER AND WIPER

Description	Code	Price
-------------	------	-------

Lower Front Intermittent Wiper & Washer	8310	\$670.00
Less Lower Front Window Wiper & Wiper	8320	No Added Cost

▼ CAB AIR PRECLEANER

Description	Code	Price
Powered Cab Air Precleaner	6010	\$925.00
Powered Cab Precleaner pre-filters outside air to significantly extend cab filter life.		
No Powered Cab Air Precleaner	6030	No Added Cost

▼ SEAT

Description	Code	Price
Standard Fabric Air Suspension Seat with Armrests and Headrest	6120	\$449.00
For use with cab codes 5020, 5025, 5030 & 5035		
Premium Heated, Leather/Fabric, High-Wide Back, Air Suspension Seat with Armrests	6130	\$1,191.00
For use with cab codes 5020, 5025, 5030 & 5035. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		
Grade Pro Premium Heated, Leather/Fabric, High-Wide Back Air Suspension Seat	6140	No Added Cost
For use with cab codes 5060 & 5070. This seat does not include a headrest. If a headrest is desired, please order AT361342 from service parts.		

▼ SOUND ABSORPTION PACKAGE

Description	Code	Price
No Sound Absorption Package	8730	No Added Cost
Requires engine code 1140.		

▼ HYDRAULIC CONTROLS - RIGHT SIDE

Description	Code	Price
Standard Hydraulic Controls		
Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.		
Base Hydraulics - 4 Function Controls	6510	No Added Cost
Requires configuration code 1010. Base Functions: Rear Steer, Circle Side shift, Wheel Lean & RH Blade Lift w/ Float.		
Base Hydraulics w/ 1 Auxiliary Function Control	6520	\$1,663.00
Requires configuration code 1010. Base functions plus 1 function w/float control - front plumbing and hoses		

for Scarifier or auxiliary application.
For use with front scarifier.

Mid Mount Scarifier Base Hydraulics w/ 1 Auxiliary Function Control	6525	\$1,885.00
---	------	------------

Requires Mid Mount Scarifier code 6730 and configuration code 1010.
Midmount scarifier base hydraulics with 1 auxiliary function control with float control for mid mount scarifier.
For use with mid mount scarifier.

Base Hydraulics w/ 2 Auxiliary Function Controls	6530	\$3,138.00
--	------	------------

Requires configuration code 1010.
Base functions plus 2 functions w/float control - front plumbing and hoses for Scarifier and/or auxiliary application.
For use with front scarifier.

Base Hydraulics w/ 3 Auxiliary Function Controls	6540	\$4,611.00
--	------	------------

Requires code 1010.
Base Functions plus 3 functions-(2) with and (1) w/o float control, front plumbing and hoses for Scarifier and/or auxiliary application.
For use with front scarifier.

Grade Pro Controls

1020 - Finger-tip armrest mounted controls, consistent with the industry standard pattern. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595. 1030 - Dual Joystick armrest mounted controls. Includes armrest mounted lever steering plus the traditional steering wheel. All Auxiliary codes include front and rear plumbing for each function except code 6595.

Grade Pro Base Controls	6550	No Added Cost
-------------------------	------	---------------

Requires code 1020 OR 1030
Includes the following Base Hydraulic Functions:
Rear Steer
Circle Side shift
Wheel Lean
Right and Left hand Blade Lift w/ Float
Circle Rotate
Blade Side Shift
Blade Tilt
Speed-sensitive Lever Steer (also includes traditional steering wheel)

Grade Pro Controls for Mid Mount Scarifier w/1 Auxiliary Function Control	6526	\$1,885.00
---	------	------------

Requires codes 1020 OR 1030 AND Mid Mount Scarifier code 6730.
Includes base functions plus mid-mount scarifier/auxiliary hoses that run to front of machine
Fingertip controls include right hand lever control

Grade Pro Controls for Rear Ripper or 1 Rear Auxiliary Function	6555	\$1,665.00
---	------	------------

Requires code 1020 OR 1030
Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for Ripper or auxiliary application.
Fingertip controls include left hand lever control

Grade Pro Controls for Front Scarifier or 1 Front Auxiliary Function	6560	\$1,665.00
--	------	------------

Requires code 1020 OR 1030 Include Base functions plus 1 front auxiliary function w/float control - front plumbing and hoses for Scarifier and/or auxiliary application. Fingertip controls include right hand lever control			
Grade Pro Controls w/1 Rear Auxiliary Function Control	6570	\$1,665.00	
Requires code 1020 OR 1030 Includes Base functions plus 1 rear auxiliary function w/float control - Rear plumbing and hoses for auxiliary application. Fingertip controls include right hand lever control			
Grade Pro Controls w/1 Front Auxiliary Function AND 2 Rear Auxiliary Functions	6580	\$4,988.00	
Requires code 1020 OR 1030 Includes Base functions plus 3 auxiliary - 1 front and 2 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.			
Grade Pro Controls w/1 Front Auxiliary Function AND 1 Rear Auxiliary Function	6585	\$3,364.00	
Requires code 1020 OR 1030 Includes Base functions plus 2 auxiliary - 1 front and 1 rear auxiliary functions w/ float control and plumbing for Scarifier / Ripper applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.			
Grade Pro Controls w/1 Front Auxiliary Function AND 3 Rear Auxiliary Functions	6590	\$6,652.00	
Requires code 1020 OR 1030 Includes Base functions plus 4 auxiliary - 1 front and 3 rear auxiliary functions w/ float control and rear plumbing for Scarifier / Ripper and/or front, mid or rear auxiliary applications. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.			
Grade Pro Controls w/3 Front Auxiliary Function AND 3 Rear Auxiliary Functions	6595	\$9,977.00	
Requires code 1020 OR 1030 Includes Base functions plus 6 auxiliary - 3 front and 3 rear with float control on 4 functions, and front and rear plumbing for 2 functions each. Fingertip controls include left AND right hand lever control 4 independent proportional rollers are reconfigurable for auxiliary functions.			

▼ HYDRAULIC CONTROLS - LEFT SIDE

Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.

Description	Code	Price
Standard Hydraulic Controls Industry standard manual hydraulic controls. Includes valves, control levers, and plumbing.		

Base Hydraulics- 4 Function Controls	6610	No Added Cost
Requires code 1010. Base Functions: LH Blade Lift w/ Float, Blade Side shift, Circle Rotate, Blade Tilt.		
Base Hydraulics w/ 1 Auxiliary Function Control	6620	\$1,463.00
Requires code 1010. Base Functions plus 1 function w/float control and lines for Ripper or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
Base Hydraulics w/2 Auxiliary Function Control	6630	\$2,952.00
Requires code 1010. Base functions plus 2 functions w/float control and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		
Base Hydraulics w/ 3 Auxiliary Function Control	6640	\$4,425.00
Requires code 1010. Base Functions plus 3 functions-(2) with and (1) w/o Float Control, and lines for Ripper and/or auxiliary application. For Use with Rear Ripper/Scarifier Combination.		

Grade Pro Controls

Grade Pro Controls - Left Side	6650	No Added Cost
Requires code 1020 or code 1030. Accompanies GRADE PRO CONTROLS - RIGHT SIDE order code selection.		

SHIPPING PREPARATION

Description	Code	Price
Air Conditioner Refrigerant Charged	8510	No Added Cost

HYDRAULIC OIL

Description	Code	Price
Hydrau	5815	No Added Cost
Broad ambient operating temperatures. Operating range: -25°C to 50°C -13°F to 122°F		
Hydrau XR	5830	\$731.00
Optional factory fill. Broad ambient operating temperatures. Operating range: -40°C to 40°C -40°F to 104°F Intended for colder climates, provides all-season capability. Required for Russia.		

HYDRAULIC PUMP DISCONNECT

Description	Code	Price
-------------	------	-------

Hydraulic Pump Disconnect	1610	\$188.00
Required with engine code 1140. Required for Russia.		

▼ MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLINK System requires customer's acceptance of the terms of the John Deere Telematics System Contract.

Option availability limited by specific geographical regions. Please refer to region specific price pages for appropriate ordering codes.

Description	Code	Price
JDLINK Ultimate - 5 Year Subscription	170C	No Added Cost

Includes JDLINK hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications. JDLINK utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLINK hardware to restore functionality. Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLINK customer account must be created to access JDLINK Ultimate data. Go to www.StellarSupport.com to renew or update JDLINK subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at www.JohnDeere.com/Agreements. If these terms and conditions are not agreeable do not proceed and do not use the service.

JDLINK Ultimate Dual - 5 Year Subscription	170J	\$1,936.00
--	------	------------

Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at www.JohnDeere.com/Agreements. If these terms and conditions are not agreeable do not proceed and do not use the service.

Includes JDLINK hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all cellular dependent Ultimate Connectivity features - Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate Dual now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications when cellular signal is available. JD Link Ultimate Dual works with the 4G LTE MTG to automatically transmit compressed summary data over a satellite network when a cellular network is not available. JDLINK utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLINK hardware to restore functionality. Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLINK customer account must be created to access JDLINK Ultimate data. Go to www.StellarSupport.com to renew or update JDLINK subscriptions.

BLADE IMPACT ABSORPTION SYSTEM			
Description	Code	Price	
Blade Impact Absorption System	1910	\$3,617.00	
Protects Moldboard and draft frame from impacts with Stationary objects			
No Blade Impact Absorption System	1920	No Added Cost	
MOLDBOARDS WITH DURA-MAX CUTTING EDGES AND END BITS			
Description	Code	Price	
12 Ft. x 27 In. x 1 In. (3.66M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2030	(\$653.00)	
13 Ft. x 27 In. x 1 In. (3.96M x 686mm x 25mm) with 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2040	\$839.00	
14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 5/8 in. (16mm) Hardware	2070	No Added Cost	
Requires engine code 1120 or 1140.			
14 Ft. x 27 In. x 1 In. (4.27M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 3/4 in. (19mm) Hardware	2080	\$88.00	
Requires engine code 1120 or 1140.			
16 Ft. x 27 In. x 1 In. (4.88M x 686mm x 25mm) w/ 8 In. x 3/4 In. (203 x 19mm) Cutting Edge & 3/4 in. (19mm) Hardware	2090	\$1,679.00	
Requires code 2840 Heavy Duty Dual Input Gearbox with Slip Clutch.			
CIRCLE			
Description	Code	Price	
Heavy Duty Dual Input Gearbox without Slip Clutch	2830	No Added Cost	
Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.			
Heavy Duty Dual Input Gearbox with Slip Clutch	2840	\$2,765.00	
Heavy duty dual input gearbox is an industry exclusive and provides significant improvements in circle drive component durability. The heavy duty dual input circle drive gearbox provides comparable circle torque and circle rotate speed as the single input circle drive gearbox. The heavy duty dual input circle drive gearbox will significantly enhance uptime for the customer and is recommended for applications that frequently use the circle rotate function while under heavy load.			

Slip clutch protects circle, circle drive gearbox and draft frame from damage when end of moldboard comes in contact with stationary objects. Slip clutch is integral to the circle drive gearbox assembly and allows the circle frame to rotate, avoiding damage to the machine, when the end of the moldboard comes in contact with an immovable object.

Premium Circle	2850	\$19,000.00
----------------	------	-------------

Replaces the circle gearbox drive and circle with a fully sealed bearing. Customers will benefit from lower operating costs with no wear inserts to replace or maintain over the life of the machine. Maintenance takes just minutes by greasing the bearing every 500 hours. A 40% increase in circle torque and 15% increase in circle speed compared to the traditional gearbox will reduce cycle times and improve productivity. Grade control customers will appreciate the smoothness and tightness of the circle increasing accuracy without having to shim inserts. Combine with SmartGrade for the most innovative and effective Grade Control system in the industry. Slip Clutch is included at no additional cost.

▼ ALTERNATOR

Description	Code	Price
130 amp Alternator	1235	\$412.00

Requires engine code 1140.

Dual 100 Amp Alternators (200 Amp total)	1240	\$954.00
--	------	----------

Requires engine code 1140.

▼ LIGHTING

For raised front lights order code 9270 Tall Front Light Bar. All lighting packages include LED turn signals on front frame, LED rear turn signals mounted on rear grille, front and rear LED marker lights, LED brake lights and LED hazard warning lights.

Description	Code	Price
Transporting Lights (6 Halogen Lights)	7110	No Added Cost

Includes 2-high and 2-low beam halogen headlights plus 2 - reversing lights on rear grill.

Grading Lights (10 Halogen Lights)	7130	\$763.00
------------------------------------	------	----------

Includes light code 7110 Transporting Lights plus (4) additional work lights (2 - bottom cab, 2 - mid-frame).

Deluxe Grading Lights (18 Halogen Lights)	7160	\$1,399.00
---	------	------------

Includes light code 7130 Grading Lights plus (8) additional work lights (4 - corner cab, 2 - front cab, and 2 - right-side cab roof).

Premium Grading Lights (18 LED Lights)	7180	\$4,134.00
--	------	------------

Same lighting locations as light code 7160 Deluxe Grading Lights, all Premium Grading Lights are LED.

▼ CONVERTER

Description	Code	Price
-------------	------	-------

24-to-12 Volt Converter (15 amps peak / 10 amps continuous)	8110	No Added Cost
24-to-12 Volt Converter (30 amps peak / 25 amps continuous)	8120	\$470.00
Recommend code 8120 for additional 12 volt needs, such as business band or CB radios		

▼ FRONT ATTACHMENTS

Description	Code	Price
Front Push Block 2,950 lbs.	6710	\$4,189.00
Front Scarifier Includes Front Hydraulics, plumbing and hoses Scarifier with 2 pitch positions and 9 shank pockets Five 1 x 3 inch Scarifier Shanks w/teeth If additional shanks are desired order (1) each of T6Y5230 Tooth, T114792 Shank and T104223 Retainer for each set. Can not be used with 6550 Hydraulics.	6720	\$9,033.00
Mid-Mount Scarifier with Integrated Front Push Plate Requires hydraulic code 6525 or 6526 Mid-Mount Scarifier with Push Block Can not be used with Front Scarifier. Not for use with Front Fenders Code 7810. Recommend Rear Counterweight for better machine balance.	6730	\$16,103.00
Balderson Style Front Lift Group Requires hydraulic code 6520, 6530, 6540, 6560, 6580, 6585, 6590, or 6595. (2) AT367896 Mating Hooks from Parts are available to convert old front attachments to the Bladerson-style lift group.	6740	\$7,660.00
Less Front Attachment	6750	No Added Cost
Front-Mounted Dozer Blade, 105 in. x 37.6 in. (2667 mm x 955 mm) Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 14.0 24, 14.0 R24, 17.5 25, or 17.5 R 25 tires.	6780	\$10,055.00
Front-Mounted Dozer Blade, 115 in. x 37.6 in. (2921 mm x 955 mm) Requires hydraulic controls on the right side with a minimum 1 front auxillary function. Requires 550/65R25 tires.	6790	\$10,387.00

▼ REAR ATTACHMENTS

Description	Code	Price
Rear Mounted Ripper/Scarifier Combination with Rear Hitch and Pin Includes Rear mounted Ripper/Scarifier with rear hitch and pin. NeverGrease Pin Joints.	6810	\$17,774.00

Three 2 x 5 in. Ripper Shanks w/teeth.
Does not include Scarifier Shanks w/teeth (offered in code 9430: (9) Extra Scarifier Shanks w/Teeth For Rear Ripper/Scarifier)
Can not be used with codes 6550, 6560 or 6610.
Recommend Front Push Block (or other front equipment) for proper weight distribution and performance.

Rear Counterweight with Rear Hitch and Pin	6820	\$2,650.00
1600 lbs.(725.7 kg.) Rear Counterweight. Recommend for use with Front / Mid Scarifier.		
Rear Hitch and Pin	6830	\$511.00
Not for use with Rear Ripper/Scarifier.		
No Rear Attachment	6850	No Added Cost

▼ TRANSMISSION

Description	Code	Price
Autoshift Transmission	5510	\$1,874.00
Manual Shift Transmission (no Autoshift)	5520	No Added Cost

▼ TRANSMISSION SOLENOID GUARD

Description	Code	Price
Transmission Solenoid Valve Guard	5710	\$213.00
Required with engine code 1140. Required for Russia. Recommended for snow plowing applications		

▼ WHEELS AND TIRES

Tire selection should be made with consideration for the machine weight and all planned attachments (OEM and aftermarket). Each tire has a maximum load rating that is not to be exceeded. Failure to abide by the load ratings of the tires without first consulting the local tire supplier could result in nullification of the tire warranty. Max load rating is shown next to each tire size and type below

Each selection includes a set of 6 tire/rim assemblies.

NOTE: If a No Brand Preference code is selected a 9000 code in the Attachment- Order as Desired section will automatically be selected as well. This is required to enable the factory to source this order.

All Tires are tubeless unless stated differently.

All wheels on 6WD models are 3 piece rims.

Bias Ply:

- 13.0-24 12 ply tire, maximum per tire load 6000 lbs.
- 14.0-24 12 ply tire, maximum per tire load 6800 lbs.
- 17.5-25 12 ply tire, maximum per tire load 6400 lbs.

- 13.0-24 16 ply tire, maximum per tire load 7160 lbs.
- 14.0-24 16 ply tire, maximum per tire load 8040 lbs.
- 17.5-25 16 ply tire, maximum per tire load 7380 lbs.

Radial:

- 14.0R24 radial tire, maximum per tire load 8050 lbs.
- 17.5R25 radial tire, maximum per tire load 8048 lbs.
- 20.5R25 radial tire, maximum per tire load 10,200 lbs.
- 550/65R25 radial tire maximum per tire load 10,055 lbs.

Radial Tires: Recommended for puncture resistance, fuel economy and increased traction.

Description	Code	Price
<u>17.5R25 L2 Single Star Radial Tires With 3 Piece Rims</u>		
No Brand Preference		