## FSA20-EQU18.0, ITEM# 418 TRACTOR: Agriculture Tractor - 4x2 MASSEY FERGUSON MF4709 SHERIFF'S CONTRACT WORKSHEET

#### **MASSEY FERGUSON 4709 BASE**

CUSTOMER: FLORIDA SHERIFF'S ASSOCIATION UNIT QUOTED: MASSEY SALESPERSON:

FSA20-EQU18.0 ITEM# 418 MODEL: 4709 S/N#: New

FACTORY CODES:	MF4709-ES
FACTORY CODES:	25-EA706/EC017
FACTORY CODES:	35-EN000
FACTORY CODES:	50-KX032
FACTORY CODES:	100-LA108
FACTORY CODES:	40-CC004
FACTORY CODES:	350-LL000
FACTORY CODES:	75-W1835
FACTORY CODES:	
FACTORY CODES:	
FACTORY CODES:	

DESCRIPTION:	4709 Deluxe Edition, Platform 2WD	\$ 47,746.00
DESCRIPTION:	12 x 12 Synchro Power Shuttle	In Base
DESCRIPTION:	Without Creeper Gear	In Base
DESCRIPTION:	2 Mechanically Controlled Spool Valves	In Base
DESCRIPTION:	540/540E RPM PTO, External Control	In Base
DESCRIPTION:	Vertical Exhaust with Heat Shield	In Base
DESCRIPTION:	Without Loader Provision	In Base
DESCRIPTION:	Tires Rear: 420/85R30 (16.9R30) R1	In Base
DESCRIPTION:	Tires Front: 9.5L-15 F2	In Base
DESCRIPTION:		
DESCRIPTION:		



#### MF 4700 PLATFORM

(F.O.B. PORT OF ENTRY)

#### TRACTOR FEATURES

#### **ENGINE SYSTEM**

 AGCO Power 33AWIC 3 Cylinder (Turbocharged) EPA Tier 4 Final and CARB Certified

MF4707 - Diesel Oxidation Catalyst (DOC), Exhaust Gas Recirculation (EGR)

MF4708/4709/4710 - SCR Technology (Post-Combustion DEF), Diesel Oxidation Catalyst (DOC)

- · Air Cleaner: Dual Element Dry Type
- · Air Cleaner Intake, Under Hood
- Vertical Exhaust
- · Cooling System: Antifreeze 50/50 Mix
- · Cold Starting Aid: Intake Heater

#### **HORSEPOWER**

(Max Engine @ 2000 RPM; Rated Engine & PTO @ 2200 RPM)
MF4707 Deluxe Powershuttle Only:

75 Max Engine HP, 70 Engine HP, 58 PTO HP

MF4708 Deluxe Powershuttle:

85 Max Engine HP, 80 Engine HP, 67 PTO HP

MF4709 Deluxe Powershuttle:

95 Max Engine HP, 90 Engine HP, 77 PTO HP

MF4710 Deluxe Powershuttle:

100 Max Engine HP, 99 Engine HP, 87 PTO HP

#### **FRONT AXLE**

- · 2wd: Adjustable
- 4wd: Dana 720, Center Driveline, Open Differential, Standard Hydraulically Actuated Differential Lock

#### **POWERTRAIN**

- Transmission: 25 mph (40 kph)
  - 12 X 12 Synchro Power Shuttle (6 Gears, 2 Ranges, with Declutch on Main Gear Lever)
- Rear Axle: Inboard Planetary Final Drives, with HydraLock Differential Lock, Flanged Rear Axle
- Brakes: Independent Oil Immersed Wet Disc Brakes with Independent Foot Pedal Operation Hook and Lever Parking Brake
- PTO: Independent 540/540E RPM, External Control with 6 Spline Non-Flanged Shaft (1-3/8 In. Diameter), Independent Wet Disc Clutch, Electro-hydraulic Engagement

#### **HYDRAULIC SYSTEM**

- 2 Mechanically Controlled Spool Valves (1 x DA KO FL + 1 x DA KO FL)
- Implement System:

Open Center System, Engine Driven Gear Pump 17.1 GPM (65 LPM) Flow

Optional Cable-controlled Loader Joystick with Mid Valves

· Rear Linkage:

ASAE Category II with Telescopic Ball Ends Lift Capacity at 24": 4850 LBS (2200 KG) 2 Adjustable Rear Linkage Turnbuckles Standard Telescopic Stabilizers

 Swing Straight Drawbar with 350/400/500mm Positions, Cat 2 Clevis

#### **ELECTRICAL**

- · 12 Volt DC, Negative Ground
- Intake Air Pre Heater
- High Capacity Wet Charge, Maintenance Free SAE 720 CCA Battery
- 80 AMP Alternator
- · Ignition: Key with Safety Start
- Keyed Engine Shutoff
- · Lighting: 4 Headlights, 2 Rear Marker Light Assemblies
- Mid Mounted Work Lights
- · Rear Brake Lights
- Standard 1 Rear Work Light
- 7 Pin ASAE Outlet Socket
- 30 Amp Auxiliary Electrical Socket

#### **INSTRUMENTS**

- · Digital & Analog Instrument Panel with Performance Monitor
- · Analog Engine Tachometer
- · Analog Fuel Gauge
- Analog Engine Temperature
- · Digital Transmission Display
- · Digital Hour Meter
- Operation and Service Lights

#### **OPERATOR ENVIRONMENT (PLATFORM MODELS)**

- Semi-Flat Floor Platform with Rubber Floor Mat
- · Hand Rail with Glass Heat Shields
- · Lever Controlled 3-Point Linkage with Draft Control
- · 2 Post Folding ROPS
- Tilt Steering Column
- · Mechanical Spring Suspension Seat with Armrests
- Retractable Seat Belt
- · Cup Holder
- · Pendant Style (Suspended) Foot Pedals
- · Hand and Foot Throttle
- · Left Side and Right Side Foot Step Entry
- External 3-Point Lift Control on Left Hand Side Fender

#### **OTHER STANDARD FEATURES**

- Fuel Tank Under Platform, Ground Fill Fuel Capacity: 27.7 Gallons (105 Liters)
- One-Piece Tilting Hood
- Rear Fender Side Extensions 100mm
- Fuel Tank Guard
- Tool Box
- SMV Sign



# AN INVESTMENT IN THE FUTURE OF UTILITY TRACTORS.

For more than 170 years, we've been perfecting the utility tractor. And even though more than four million of ours have shown up for work on farms and jobs like yours around the world, we're never quite satisfied.

#### Introducing the Massey Ferguson® Global Series.

A part of a \$350 million investment, the largest manufacturing and new product project in AGCO® history, the Global Series has been completely engineered from the ground up and built in our new state-of-the-art manufacturing facility. These Massey Ferguson 4700, 5700 and 6700 Series tractors are the result of years of insight from farmers, contractors, operators and dealers from around the world. And they have been put through more than 65,000 hours of rigorous endurance testing in extreme weather and terrain conditions in

seven different sites around the globe. From the rice paddies of Southeast Asia to the oppressive heat of Africa to the bitter cold of Northern Europe to the grueling applications required for farming in North America, these tractors have been through it all.

These heavy-duty tractors are purpose-built for more lift capacity and the power to pull larger, heavier implements. Now, and well into the future.



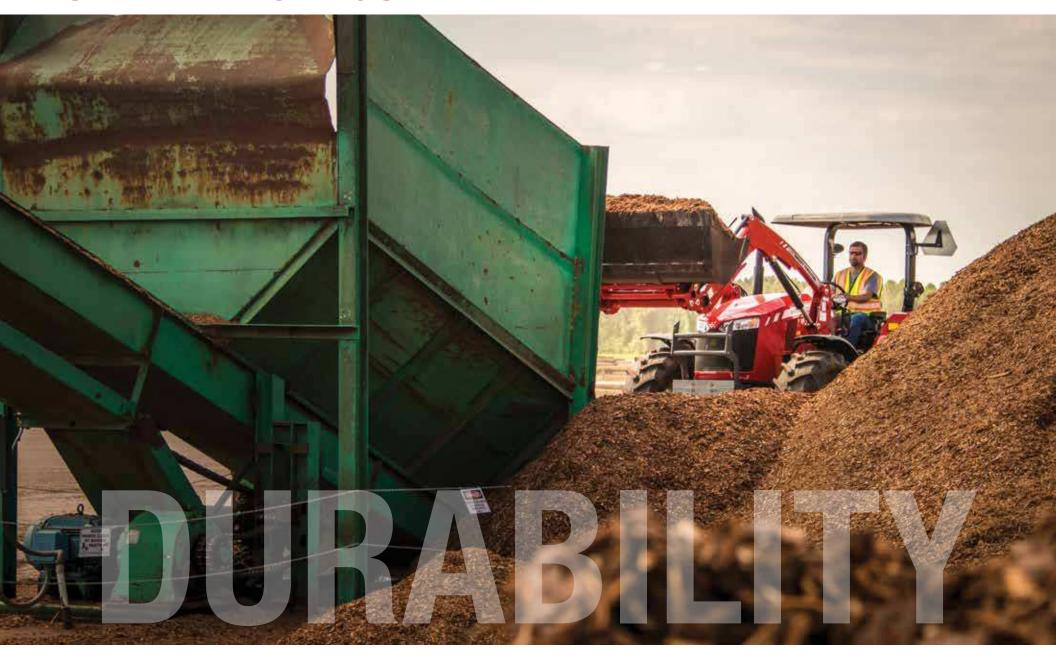


### WE'VE NEVER BUILT TRACTORS QUITE LIKE THIS.

The heavy-duty Global Series gives you the power, stability and versatility to handle tougher jobs so you can get more done, regardless of your operation.

- HAY Whether you're mowing, tedding, raking, baling or hauling, these tractors were designed to pull bigger balers, bigger mower conditioners and carry heavier bales than other tractors in their class.
   Plus, they match up perfectly with Hesston by Massey Ferguson® hay equipment.
- DAIRY Dairy operations need a tough, do-everything tractor that can handle the heavy lifting while still being nimble and maneuverable in tight spaces. Because the days can be long, it also has to be comfortable. These are those tractors.
- FARMS For farms of all sizes, these tractors are going to be your new best friend. From the field to the barn and everything in between, you'll have a stable, easy-to-operate machine that won't let you down.
- LOADER WORK You've got a ton of different jobs to tend to each day, and you need a loader that can handle all of them. The heavy lift capacity is ideal for applications such as lifting, grading and snow removal. And with float mode, the loader raises and lowers to follow the contour of the ground.

### **DURABILITY IS IN OUR DNA.**



**IT'S SIMPLE.** When all the key components of a tractor are built together, they work better together. That's why we manufacture the engines, transmissions and other key parts for these series in the same facility, ensuring unmatched quality, efficiency and reliability. Everywhere you look, and on everything you touch, you'll see and feel our advanced, high-quality engineering.

#### **ENGINE**

At the heart of it all is a rugged, reliable, fuel-efficient AGCO Power Tier 4 Final engine. These engines range from 70-130 horsepower and are specifically designed for North American farms. The 4700 Series features a 3.3 liter three-cylinder engine, while the 5700 and 6700 Series feature a larger, 4.4 liter four-cylinder engine.

- **POWERFUL AND QUIET** The turbo-charged diesel power plant delivers maximum torque at low engine speeds. You not only get clean exhaust and minimal fuel consumption, but also both noise and tractor wear and tear are reduced. You enjoy an unmatched operator experience and a very comfortable cost of operation.
- RUN SMOOTH Four valves per cylinder improve airflow and enhance the fuel/air mixture, so you run cool and smooth hour after hour, keeping service costs low.
- INTELLIGENCE INSIDE The AGCO SisuTronic EEM4 engine management system monitors every aspect of the engine's operation, automatically adjusting fuel flow, injection timing and other functions to deliver consistently outstanding performance and low fuel consumption.
- NO NEED FOR A DPF These tractors don't require a diesel particulate filter (DPF). It's still environmentally friendly while saving you money, time and fuel.



Three easy-to-operate transmission options provide multiple speeds, whether you're maneuvering through headlands or around tight spaces in the barn or yard. Choose from the dependable 8x8 Synchro Mechanical Shuttle, where changing from forward to reverse is as simple as pressing the clutch pedal and moving the shuttle lever. Or choose the 12x12 Synchro Mechanical Shuttle for a more comfortable ride and less operator fatigue. And our final option, the 12x12 Synchro Power Shuttle on deluxe models allows directional changes to be made by moving the lever — with no clutch — ideal for loader work and hay applications.

#### • THE POWER TO CHOOSE -

- 8x8 Mechanical Shuttle Transmission on the MF4707, MF4708 and MF4709 classic models.
- 12x12 Synchro Mechanical Shuttle Transmission on the MF4710, MF5710 and MF5711 classic models.
- 12x12 Synchro Power Shuttle (SPS) Transmission on all 4700 and 5700 Series deluxe models and 6700 Series models.
- COMFORT CONTROL DIAL\* Determine the reactiveness of the shuttle during direction changes, easily adjusting how the transmission engages when starting from a stopped position.
- **EASY SHIFT CONTROL\*** For frequent shifting operations, like roading and headland turns, simply press a button to clutch, shift gears, then release the button to engage the transmission.

\*On Power Shuttle Only



### A TRACTOR THAT WON'T HOLD YOU BACK.

You've got a ton of different jobs to tend to each day, and the last thing you need is a feeble tractor that shies away from the really tough ones. The 4700, 5700 and 6700 Series are heavier than other tractors in their class, designed to handle larger, heavier implements and more demanding applications. So yeah, they'll be there when you need them.

- HEAVY-DUTY These three Series feature best-in-class base weight, and these heavier frames are purpose-built for more pulling power and lift capacity. With better maneuverability and more stability, you can rely on these tractors for even the most heavy-duty jobs.
- THREE-POINT HITCH There's virtually no limit to the range of implements you can put behind these tractors. Two gear pumps power the simple, open-center hydraulic system, and a heavy-duty three-point hitch helps provide a rear lifting capacity ranging from 4,850 to 9,390 lbs.
- PTO A standard 540/1000 PTO allows you to use a variety of implements, no matter what the application may be. 4700 and 5700 classic models offer an optional 540/540E. 5700 deluxe and 6700 models offer 540/540E/1000 PTO.

- TRELLEBORG TIRES Trelleborg premium
  radial tires come standard. Built exclusively for
  agricultural use, these tires provide better traction
  in the field, reduce soil compaction and improve
  fuel economy. Plus, the patented interlug terraces
  enhance self-cleaning in muddy soil. As a result,
  you enjoy a smoother ride and reduced wear on the
  tractor.
- TELESCOPIC LOWER STABILIZING ARMS –
   Standard on deluxe models, these heavier-duty stabilizing arms let you custom-adjust for any implement, for unmatched ease-of-use and greater control.
- EXTENDABLE LOWER BALL ENDS Because extending the ball ends is as simple as pulling a ring on the link, implement attachment is always quick and easy.
- 2WD/4WD The 2WD axle option on all 4700 series and 5710 models, offers reduced weight and greater maneuverability, with five alternate track-width settings to accommodate your crop or field. The 4700 classic 4WD has a limited slip differential AutoLock ensuring drive is evenly distributed to both wheels for better traction and greater stability. Deluxe 4WD models feature the HydraLock, a hydraulic-controlled differential lock on the front axles. AutoLock and HydraLock are activated and deactivated via a rocker switch.
- TIGHT TURNING RADIUS Sometimes you need to work in confined spaces. These tractors feature a tighter turning radius for easier maneuverability with better stability.
- CAB The 4700 and 5700 are available in classic or deluxe cab options, while the 6700 is deluxe cab only.





### **DESIGNED WITH YOU IN MIND.**



The 4700, 5700 and 6700 Series are built for tough, demanding work in all kinds of environments. They are designed with simplicity of operation at their core with an emphasis on an operator environment that provides unmatched comfort. From the ground up, these tractors are engineered for smart, ergonomic, long-lasting operation.

- GRAB RAILS Mounted outside the operator station for easy access into the tractor.
- FLAT FLOOR All 5700 and 6700 models come with a flat floor standard. 4700 models have a semi-flat floor.
- EASY-REACH CONTROLS Essential controls are ergonomically positioned for easy operation and comfort.
- ADJUSTABLE SEAT A spring tension-control knob adjusts the seat to comfortably accommodate operators of many sizes. While the 5700 deluxe and 6700 models have a swivel seat. Optional air ride seat includes swivel.
- **INSTRUCTOR SEAT** A second seat allows for an instructor. Optional on 4700 classic and deluxe and 5700 classic cab models. Standard on 5700 deluxe and 6700 cab models.
- TILT STEERING On deluxe cab models, a tiltable and telescopic steering column adjusts for maximum productivity and comfort. Classic cab and deluxe platform feature tilt only, while classic platform is stationary.
- WORK LIGHT Classic models have a mounted work light on the rear fender, while cab models feature four roof mounted lights, giving you improved visibility and comfort at night.
- AND MORE Cupholders, toolbox and floor mat are standard on all models.



#### WE'VE THOUGHT OF MOST EVERYTHING.

- **DASH DISPLAY** The dash display on deluxe models includes a tractor performance monitor that provides data on DEF fluid level, fuel level, temperature range and more. Plus, you can monitor engine hours, acres per hour, fuel consumption per hour and per acre, fault codes, PTO speed and ground speed with just the push of a button.
- LOADER JOYSTICK Raise, lower, curl and dump the bucket with incredible precision, even in tight spots and tough applications. You'll appreciate the added integrated maneuverability.
- DEBRIS SHIELD On platform models, shields on both sides of the operator station deflect engine heat and debris for additional protection and a comfortable working environment.
- ADJUSTABLE WHEELS With a wide range of wheel-spacing settings, these
  tractors are versatile enough to handle everything from specialty farming
  applications, like small-scale row crops and vegetables, to roadside mowing
  and land management applications.
- **LOADER FLOAT CONTROL** Raise and lower the loader to the contour of the ground or road for the flexibility to efficiently handle grading and snow removal.
- POWER SHUTTLE For loading trucks, stacking hay or other loader work, the
  optional power shuttle lever provides easy electro-hydraulic declutch and
  directional changes without the need to press the foot clutch pedal.

### **SDECIFICATIONS**\*

MODEL	MF4707	MF4708	MF4709	MF4710	MF5710	MF5711	MF6712	MF6713		
ENGINE										
Max engine power HP (kW) @ 2,000 RPM	75 (55.9)	85 (63.4)	95 (70.8)	100 (74.6)	100 (74.6)	110 (82)	120 (89.5)	130 (96.9)		
Rated engine HP (kW)	70 (52.2)	80 (59.6)	90 (67.1)	100 (74.6)	95 (70.8)	105 (78.3)	115 (85.8)	125 (93.2)		
Rated engine speed		2,200 RPM								
PTO HP (kW)	58 (43.2)	68 (50.7)**	78 (58.1)**	88 (65.6)**	83 (61.9) @ 2,200 RPM 90 (67.1) @ 2,000 RPM	93 (69.4) @ 2,200 RPM 99 (73.8) @ 2,000 RPM	99 (73.8) @ 2,200 RPM 106 (79) @ 2,000 RPM	109 (81.3) @ 2,200 RPM 114 (85) @ 2,000 RPM		
Engine	AGCO Power 3-cyl, 3.3 L,	intercooled turbocharged,	high-pressure common-rai	I direct fuel injection (HPCR)	AGCO Power 4-cyl, 4.4	L, intercooled turbocharged, I	high-pressure common-rail d	irect fuel injection (HPCR)		
Emissions control; EPA Tier 4-compliant			SCR	technology (post-combustion	DEF), diesel oxidation catalys	st (DOC)				
DRIVETRAIN										
Transmission type	Classic: 12Fx12R, 2-range, syncro-shuttle, mechanical shuttle lever  Deluxe: 12Fx12R, 2-range, power-shuttle, electro-hydraulic shuttle lever  Deluxe: 12Fx12R, 2-range, power-shuttle, electro-hydraulic shuttle lever  Deluxe: 12Fx12R, 2-range, power-shuttle, electro-hydraulic shuttle lever			Classic: 12Fx12R, 2-range, syncro-shuttle,		<b>Deluxe:</b> 12Fx12R, 2-range, power-shuttle, electro-hydraulic shuttle lever				
					Classic: Dry clutch y	vith foot pedal control;		olike foot on del control.		

Classic: Dry clutch with foot pedal control; Deluxe: Wet clutch with foot pedal control; Deluxe: Declutch "easy-shift button" on gear shift knob and electro-hydraulic shuttle lever

**Deluxe:** Wet clutch with foot pedal control; Deluxe: Declutch "easy-shift button" on gear shift knob and electro-hydraulic shuttle lever

Deluxe: Wet clutch with foot pedal control; Deluxe: Declutch "easy-shift button" on gear shift knob and electro-hydraulic shuttle lever

Flange-type with internal planetary final drives

4 wheel disc brakes, independently controlled via foot pedals

Rear axle engaged via electro-hydraulic rocker switch

Front axle

Clutch

Rear axle Brakes

Differential lock

2WD – adjustable front axle; 4WD – cast steel fixed front axle with center drive line and combination bevel-gear/ planetary final drives; 4WD front axle differential lock - Classic: AutoLock Deluxe: HydraLock

drives; 4WD front axle differential lock; HydraLock

Deluxe: 4WD - cast steel fixed front axle, center drive line, planetary final drives; 4WD front axle differential lock; HydraLock



MODEL	MF4707	MF4708	MF4709	MF4710	MF5710	MF5711	MF6712	MF6713	
DIMENSIONS									
Wheelbase in. (mm)		88.5 (2	2,250)		95.7 (2,431) 98.4 (2,500)			2,500)	
Minimum width in. (mm)	Std. radial tires – rear 420/85R30, 60.3 (1,533)				Std. radial tires – rear 460/85R34, 64.8 (1,646)				
se weight without ballast lbs. (kg.)	2WD ROPS: 7,478 (3,392); 2WD Cab: 8,294 (3,762) 4WD ROPS: 7,734 (3,508); 4WD Cab: 8,644 (3,921)				2WD ROPS: 8,845 (4,012) 2WD Cab: 9,661 (4,382) 4WD ROPS: 9,195 (4,171) 4WD Cab: 10,011 (4,541)	4WD ROPS: 9,195 (4,171)		, , , ,	
Fuel capacity gal. (L)	27.7 (105), plastic tank under platform, ground fill; Deluxe: Additional fuel tank guard				38.3 (145), ground fill;	Deluxe: fuel tank guard	38.3 (145), ground fill; fuel tank guard		
HYDRAULICS									
Hydraulic system				Open center s	ystem, single pump				
Hydraulic flow @ rear remotes gpm (lpm)	17.7 (67)			Classic: Main F Deluxe: Main Pump 15.1 Combined	(57); Aux Pump 10.8 (41);	Main Pump 15.1 (57) Aux Pump 10.8 (41) Combined 25.9 (98)			
Rear remote valves	Classic: 1 valve Std., DA, FL or Opt. 2 valves, factory installed, DA, KO, FL  Deluxe: 2 valves, factory installed, DA, KO, FL or Opt. 3rd valve, field-installed, DA, FL only  All valves spring return to neutral (SRN)  2 factory				2 factory valves,	double-acting, kickout, float, DA, KO, FL; Opt. 3rd valve, field-installed SRN			
Loader joystick		Opt., mounted on platform, valve on loader sub-frame with flat-face couplers							
3-point lift capacity lbs. (kg.) full stroke @ 24" (610 mm) behind ball ends	Category II, 4,850 (2,200)			Category II, 7,710 (3,497)		Category II, 9,390 (4,259)			
Rear PTO	Independent, electro-hydraulic engagement via switch, 540/1000 Std., 540/540E Opt.			<b>Classic:</b> 540/1000, 540/540E Opt. <b>Deluxe:</b> 540/540E/1000		540/540E/1000			
OPERATOR'S AREA									
Electrical system			12-volt DC system, 80-a	amp alternator, 7-pin trailer	socket; <b>Deluxe:</b> Additional 30-an	np auxiliary power socket			
Std. platform features	Semi-platforn	Semi-platform deck, folding ROPS, rubber mat, toolbox, L & R shields, grab handles				Flat-floor deck, folding ROPS, rubber mat, tool box, L & R shields, grab handles, cup holder			
Lighting (ROPS)		Classic & Deluxe: 4 headlights, 2 rear signal/hazard lights, 1 rear ROPS work light; Deluxe: 2 additional mid-mount adjustable work lights							
Std. Steering		Classic: fixed; Deluxe: tilt			Classic cab: tilt steering; Deluxe cab: tilt and	Platform: tilt steering; Cab: tilt and telescopic steering;			
Std. Seat			Spring suspension mounte	ed seat, adjustable fore and	aft with mechanical weight adjust	ment, retractable seat belt			
CLASSIC			DELUXE			*Manufacturers estimate at time of publication, subject to change			
MF4707, MF4708 & MF4709 8x8; MF4		; Mechanical shuttle	All models 12x12 Power shuttle		<ul><li>without prior notification.</li><li>**With mechanical transmission</li></ul>				
Fixed steering column  Analog & digital instrument panel  Lever controlled 3-point linkage opt. draft control			Tilt steering column						
			Analog & digital instrument panel w/ performance monitor						
			Lever controlled 3-point linkage w/ draft control		draft control				
				External lift control (LH fe	nder)				
4WD front axle; Limited slip differential – AutoLock			4WD front axle; Hydraulically actuated differential – HydraLock						
Chain link stabilizers			Telescopic stabilizers						
Standard hydraulic valve; DA, FL			Standard hydraulic valves; DA, K0, FL + DA, K0, FL						
				Auxiliary electrical soci	et				
				Mid-mounted front work I	ights				
				Standard side fender exter	sions				



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**GLEANER** 

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