

6600 Side Hill 6600 and 7700 Combines



JOHN DEERE

TECHNICAL MANUAL 6600 Side Hill 6600 and 7700 Combines

TM1021 (01JAN84) English

John Deere Harvester Works
TM1021 (01JAN84)

LITHO IN U.S.A.
ENGLISH



6600, SIDEHILL 6600, AND 7700 COMBINES

TECHNICAL MANUAL
TM-1021 (Jan-84)

CONTENTS

- SECTION 10 - GENERAL**
- Group 5 - General Specifications
 - Group 10 - Predelivery, Delivery Service, and After-Sale Inspection
 - Group 15 - Lubrication
 - Group 20 - Diagnosing and Testing Procedures
 - Group 25 - Tune-Up and Adjustment
- SECTION 20 - ENGINES**
- Group 5 - General Information, Diagnosis and Removal
 - Group 10 - Cylinder Head, Valves and Camshaft
 - Group 15 - Cylinder Block, Liners, Pistons and Rods
 - Group 20 - Crankshaft, Main Bearings and Flywheel
 - Group 25 - Lubrication System
 - Group 30 - Cooling System
 - Group 35 - Governor and Speed Control Linkage
 - Group 40 - Specifications and Special Tools
- SECTION 30 - FUEL SYSTEM**
- Group 5 - Air Intake System, Fuel Tank and Electric Fuel Pump
 - Group 10 - Diesel Fuel System
 - Group 15 - Gasoline Fuel System
 - Group 20 - Specifications and Special Tools
- SECTION 40 - ELECTRICAL SYSTEM**
- Group 5 - General Information, Wiring Diagrams and Electrical System Diagnosis
 - Group 10 - Motorola Charging Circuit
 - Group 15 - Delcotron Charging Circuit
 - Group 20 - Delco-Remy Starting Circuit
 - Group 25 - John Deere Starting Circuit
 - Group 30 - Ignition Circuit
 - Group 35 - Lights, Instruments and Accessory Circuits
 - Group 40 - Low Shaft Speed Monitor System
 - Group 45 - Harness Replacement
 - Group 50 - Specifications and Special Tools
- SECTION 50 - POWER TRAIN**
- Group 5 - Clutch
 - Group 10 - Transmission
 - Group 15 - Differential
 - Group 20 - Final Drive
 - Group 25 - Hydrostatic Drive
 - Group 30 - Power Rear Wheel Drive
 - Group 35 - Posi-Torq Ground Drive
 - Group 40 - Tires and Wheels
 - Group 45 - Crawler Tracks
 - Group 50 - Specifications and Special Tools
- SECTION 60 - POWER STEERING AND BRAKES**
- Group 5 - Power Steering
 - Group 10 - Brakes
 - Group 15 - Specifications
- SECTION 70 - HYDRAULIC SYSTEM**
- Group 5 - Hydraulic System Operation
 - Group 10 - Hydraulic System Tests
 - Group 15 - Reservoir
 - Group 20 - Hydraulic Pumps
 - Group 25 - Hydraulic Valves
 - Group 30 - Hydraulic Cylinders
 - Group 35 - Hydraulic Motors
 - Group 40 - Hydraulic Oil Lines and Hoses
 - Group 45 - Specifications and Special Tools
- SECTION 80 - OPERATOR'S CAB**
- Group 5 - Pressurizer System
 - Group 10 - Air Conditioning System
 - Group 15 - Heating System
 - Group 20 - Personal Posture Seat
 - Group 25 - Miscellaneous Components
 - Group 30 - Specifications and Special Tools

CONTENTS—Continued

SECTION 90 - HEADERS

- Group 5 - 200 Series Cutting Platforms
- Group 10 - Quik-Tatch Cutting Platforms
- Group 15 - 40 Series Corn Heads
- Group 20 - Row-Crop Heads
- Group 25 - Specifications and Special Tools

SECTION 100 - FEEDER HOUSE

- Group 5 - Feeder Conveyor Chain
- Group 10 - Feeder Conveyor Drum
- Group 15 - Feeder House Paddles and Stripper - SideHill 6600
- Group 20 - Variable Speed Feeder House Drives
- Group 25 - Feeder House Lower Shaft
- Group 30 - Feeder House Upper Shaft
- Group 35 - Specifications

SECTION 110 - SEPARATOR

- Group 5 - Cylinder, Cylinder Cover, Concave and Beater
- Group 10 - Cylinder Drives
- Group 15 - Straw Walkers and Crankshafts
- Group 20 - Straw Chopper, Straw Spreader and Rear Hood
- Group 25 - Shoe Supply Augers, Cleaning Fan and Sieve Frame
- Group 30 - Tailings Elevator and Augers
- Group 35 - Clean Grain Elevator, Lower Auger and Grain Tank Loading Auger
- Group 40 - Separator Uprights
- Group 45 - Specifications and Special Tools

SECTION 120 - GRAIN TANK AND UNLOADING AUGERS

- Group 5 - Grain Tank Auxiliary Unloading Augers and Drive
- Group 10 - Grain Tank Inner and Outer Unloading Augers
- Group 15 - Grain Tank
- Group 20 - Specifications

SECTION 130 - MAJOR DRIVES

- Group 5 - Engine Powershaft
- Group 10 - Primary Countershaft
- Group 15 - Secondary Countershaft
- Group 20 - Separator Control Lever
- Group 25 - Specifications

SECTION 140 - ELECTRO-HYDRAULIC SYSTEMS

- Group 5 - General Information, Diagnosis and Tests - SideHill 6600 Leveling System
- Group 10 - Electrical Components - SideHill 6600 Leveling System
- Group 15 - Hydraulic Components - SideHill 6600 Leveling System
- Group 20 - General Information, Diagnosis and Tests - Automatic Header Height Control
- Group 25 - Mechanical System - Automatic Header Height Control
- Group 30 - Electrical System - Automatic Header Height Control
- Group 35 - Hydraulic System - Automatic Header Height Control
- Group 40 - Unloading Auger Hydraulic Swing and Automatic Latching System
- Group 45 - Specifications and Special Tools

SECTION 150 - MACHINE RECONDITIONING

- Group 5 - Cleaning and Painting
- Group 10 - Decal Installation
- Group 15 - Shielding
- Group 20 - Specifications

All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

The specifications given in this technical manual are intended for service only. They do not include normal factory manufacturing tolerances.

Copyright© 1984 Deere & Company
Moline, Illinois All rights reserved.
Previous Editions

Copyright© 1981 Deere & Company
Copyright© 1979 Deere & Company
Copyright© 1978 Deere & Company
Copyright© 1977 Deere & Company
Copyright© 1976 Deere & Company
Copyright© 1975 Deere & Company
Copyright© 1974 Deere & Company
Copyright© 1973 Deere & Company


SAFETY AND YOU

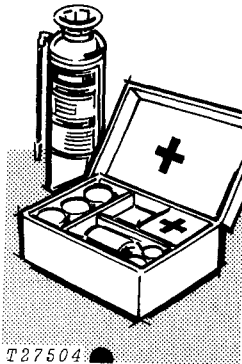
AVOID FIRE HAZARDS



T27999N

INTRODUCTION

 This safety alert symbol identifies important safety messages in this manual and on the combine. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



T27504

Be prepared if an accident or fire should occur. Know where the first aid kit and the fire extinguishers are located—know how to use them.

SERVICE AREA

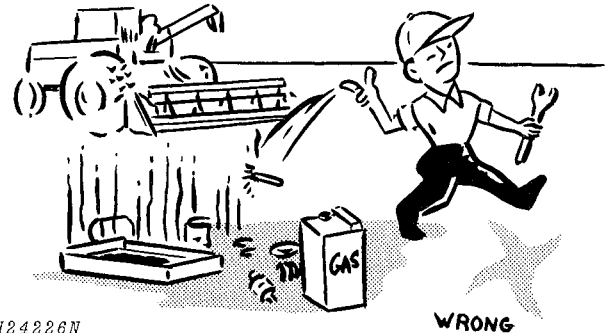
Keep the service area clean and dry. Wet or oily floors are slippery. Wet spots can be dangerous when working with electrical equipment.

Make sure the service area is adequately vented.

Periodically check the shop exhaust system for leakage. Engine exhaust gas is dangerous.

Be sure all electrical outlets and tools are properly grounded.

Use adequate light for the job at hand.



H24228N

Don't smoke while refueling or handling highly flammable material.

Engine should be shut off when refueling.

Use care in refueling if the engine is hot.

Don't use open pans of gasoline or diesel fuel for cleaning parts. Good commercial, nonflammable solvents are preferred.

Provide adequate ventilation when charging batteries.

Don't check battery charge by placing metal objects across the posts.

Don't allow sparks or open flame near batteries.

Don't smoke near battery.

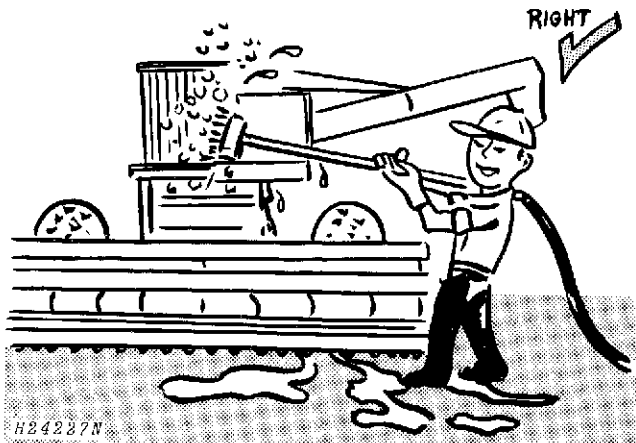
Never check fuel, battery electrolyte or coolant levels with an open flame.

Never use an open flame to look for leaks anywhere on the equipment.

Never use a open flame as a light anywhere on or around the equipment.

When preparing engine for storage, remember that inhibitor is volatile and therefore dangerous. Seal and tape openings after adding the inhibitor. Keep container tightly closed when not in use.

CLEANING THE COMBINE



Always stop the engine before cleaning the combine.

Keep the operator's platform clean. Do not use it as a storage area.

Keep the radiator and engine closure screens free of foreign matter. Avoid a possible fire hazard.

Keep all equipment free of dirt and oil. In freezing weather, beware of snow and ice on ladder steps and operator's platform.

FLUIDS UNDER PRESSURE

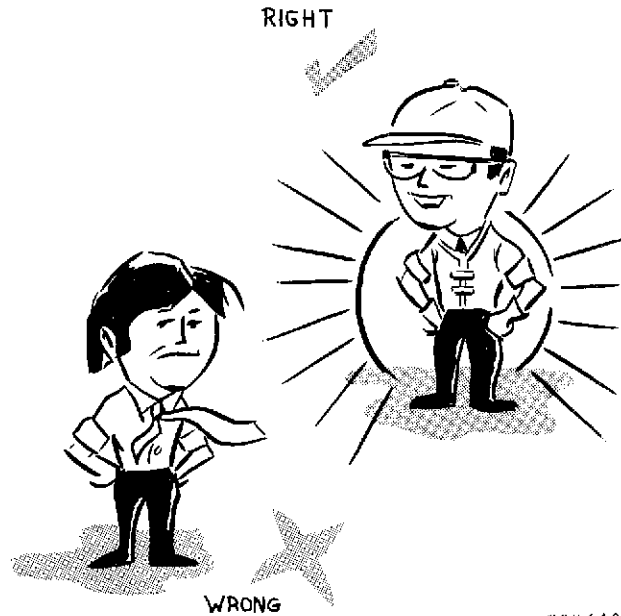
Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Don't forget the hydraulic system or diesel fuel injection system may be pressurized! To relieve pressure, follow the technical manual.

When checking hydraulic pressure, be sure to use the correct test gauge for the pressure in the particular system.

PERSONAL SAFETY



Always avoid loose clothing or any accessory—flopping cuffs, dangling neckties and scarves—that can catch in moving parts and put you out of work. Always wear your safety glasses while on the job.

Keep transmission and brake control units properly adjusted at all times. Before making adjustments, stop engine.

Before removing any housing covers, stop engine. Take all objects from your pockets which could fall into the opened housings. Don't let adjusting wrenches fall into opened housings.

Don't attempt to check belt tension while the engine is running.

Don't adjust the fuel system while the machine is in motion.

Before repairing the electrical system, or performing a major overhaul, make sure the batteries are disconnected.

Avoid working on equipment with the engine running. If it is necessary to make checks with the engine running, ALWAYS USE TWO TECHNICIANS—one, the operator, at the controls, the other checking where the operator can see him. Also, put the transmission in neutral, set the brake, and apply any safety locks provided. KEEP HANDS AWAY FROM MOVING PARTS.

Use extreme caution in removing radiator caps, drain plugs, grease fittings, or hydraulic pressure caps.

Section 10 GENERAL

CONTENTS OF THIS SECTION

GROUP 5 - GENERAL SPECIFICATIONS	Page	Page	
Description	5-1	Engine Operating Procedure	10-16
Serial Numbers	5-1	Combine Run-In	10-17
Engines	5-2	Temporary Storage	10-17
Electrical System	5-2	200 Series Cutting Platforms Predelivery ..	10-20
Clutch	5-2	40 Series Corn Heads Predelivery	10-32
Transmission	5-2	50 Series Row-Crop Heads Predelivery ...	10-38
Final Drive	5-2	Installation of Automatic Header Height	
Steering	5-2	Control on 200 Series Platforms	10-41
Brakes	5-2	Installation of Automatic Header Height	
Hydraulic System	5-3	Control on Row-Crop Heads	10-42
Capacities	5-3	Delivery Service	10-51
Dimensions	5-3	After-Sale Inspection	10-51
Ground Speeds	5-4	GROUP 15 - LUBRICATION	
GROUP 10 - PREDELIVERY, DELIVERY		GROUP 20 - DIAGNOSING AND TESTING	
SERVICE, AND AFTER-SALE		PROCEDURES	
INSPECTION		GROUP 25 - TUNE-UP AND ADJUSTMENT	
Combine Predelivery		General Information	25-1
Controls and Instruments	10-1	Preliminary Engine Testing	25-1
Prestarting Checks (Before Unloading		Engine Tune-Up	25-2
Combine)	10-3	Final Engine Testing	25-4
Unloading Combine from		Miscellaneous Adjustments	25-4
Freight Car or Truck	10-5	Standard Torque Chart	25-5
Assembly	10-6	Care and Maintenance of	
Checks and Adjustments	10-12	Belts and Chains	25-6

Group 5 GENERAL SPECIFICATIONS

DESCRIPTION

The 6600 Self-Propelled Combine has a 44-inch (1118 mm) wide separator. It is powered by either a 303 or 329 gasoline engine or a 329 or 404 diesel engine. It is equipped with hydraulic shoe-type brakes and a 4-speed, collar shaft, constant-mesh transmission.

The SideHill 6600 Self-Propelled Combine has a 44-inch (1118 mm) wide separator. It is powered by a 404 diesel or turbocharged diesel engine. It is equipped with hydraulic shoe-type brakes and a 4-speed, collar-shaft, constant-mesh transmission.

The 7700 Self-Propelled Combine has a 55-inch (1397 mm) wide separator. It is powered by either a 362 gasoline engine or a 404 diesel or turbocharged diesel engine. It is equipped with hydraulic shoe-type brakes and a 4-speed, collar-shaft, constant-mesh transmission.

"Right-hand" and "left-hand" sides are determined by facing in the direction the combine will travel when in use.

SERIAL NUMBERS

Serial Number Unit	Location
Combine	Rear left-hand upright
Engine	Right-hand side of cylinder block
Hydrostatic Unit	Under pump section
Feeder House	
(early combines)	Right-hand side sheet
Cutting Platform and	
Pickup Platform	Left-hand side of main frame
Corn Head	Lower right-hand side on bulk-head frame
Row-Crop Head	Left-hand side end sheet of main frame

SPECIFICATIONS

Engines:	Gasoline	Diesel
6600	(HD-303-G) (-3727)	(HC-329-D) (-3700)
	(HF-329-G) (3728-7500)	(329DH-01) (3701-254050)
	(329GH-01) (3728-7500)	(404DH-05) (254051-)
	(329GH-02) (7501-156500)	
SideHill 6600		(404DH-05) (-254050)
		(404DH-06) (254051-304000)
		(404TH-02) (304001-)
7700	(362GHA) (-2800)	(404DHA) (-2800)
	(362GH-01) (2801-111900)	(404DH-01) (2801-8000)
		(404DH-04) (8001-)
		(404TH-01) (8001-)
Type	4-stroke cycle, 6-cylinder-in-line, valve-in-head	
Cubic inch displacement and brake horsepower		
Gasoline	303 (4965 cm ³)	104 (78 kW)
	329 (5391 cm ³)	110 (82 kW)
	362 (5932 cm ³)	128 (95 kW)
Diesel	329 (5391 cm ³)	104 (78 kW)
	6600 and SideHill 6600	120 (90 kW)
	7700	128 (95 kW)
	404 (Turbo) (6620 cm ³)	
	SideHill 6600	
	(304001-)	135 (101 kW)
	404 (Turbo) (6620 cm ³)	145 (108 kW)
Bore and stroke, inches (mm)		
	Bore	Stroke
303	3.86 (98.04 mm)	4.33 (109.98 mm)
329	4.02 (102.11 mm)	4.33 (109.98 mm)
362	4.25 (107.95 mm)	4.25 (107.95 mm)
404	4.25 (107.95 mm)	4.75 (120.65 mm)
Compression ratio		
Gasoline	7.5 to 1	
Diesel (Clean Engine)	16.7 to 1	
	14.7 to 1 (Turbo)	
Valve Clearance		
	Gasoline (hot or cold) intake	Exhaust
	303 0.014 in. (0.356 mm)	0.022 in. (0.559 mm)
	329 0.014 in. (0.356 mm)	0.022 in. (0.559 mm)
	362 0.015 in. (0.381 mm)	0.028 in. (0.711 mm)
	Diesel (hot or cold)	
	329 0.014 in. (0.356 mm)	0.018 in. (0.457 mm)
	404 0.018 in. (0.457 mm)	0.028 in. (0.711 mm)
	(Turbocharged)	
	404 0.018 in. (0.457 mm)	0.028 in. (0.711 mm)
Engine speeds: (Normal slow idle)		
		(Fast idle with separator engaged)
Gasoline	303 800 rpm	2650 rpm
	329 800 rpm	2650 rpm
	362 800 rpm	2650 rpm
Diesel	329 1200 rpm	2650 rpm
	404 1200 rpm	2650 rpm
(Turbocharged)	404 1200 rpm	2350 rpm

Injection pump timing	TDC
Distributor timing:	
303	2650 rpm 24° Mark
329	2650 rpm 24° Mark
362	2000 rpm 20° Mark

Distributor point gap	
303	0.020 in. (0.508 mm)
329	0.020 in. (0.508 mm)
362	0.016 in. (0.406 mm)

Distributor cam dwell:	
303	66° to 72°
329	36° to 42°
362	31° to 34°

Spark plug gap 0.025 in. (0.635 mm)

ELECTRICAL SYSTEM:

Battery voltage	12 volts
Battery specific gravity at full charge (corrected to 80°F [27°C])	1.260 (±0.010)
Battery terminal grounded	negative
Alternator regulation	Voltage regulator

CLUTCH:

Type: 12-inch (305 mm) dry disk-type clutch hydraulically actuated by foot pedal.

TRANSMISSION:

Type: Automotive spur gear with four forward speeds and one reverse speed. Transmission is equipped with safety start switch. Available as Belt Drive, Posi-Torq or Hydrostatic Drive.

FINAL DRIVE:

Type: Pinion and ring gear

Ratios:	
6600	Regular 13 to 89
	Heavy-Duty 11 to 90
	Extra Heavy-Duty 11 to 104
SideHill 6600	11 to 90
7700	Heavy-Duty 11 to 90
	Extra Heavy-Duty 11 to 104

Powered rear wheel drive gear train (6600 and 7700 Combines) (double planetary reduction):

25.1 reduction ratio (combines equipped with tires)
40.6 reduction ratio (combines equipped with crawler tracks)

STEERING:

Type: Full power hydrostatic steering.

BRAKES:

Type: 12-inch (305 mm) hydraulically actuated shoe-type. Individual brakes controlled by separate pedals.

HYDRAULIC SYSTEM:

Type: Open-center, constant-flow system. Includes power steering, header lift, automatic header height control, reel drive, reel lift, selective ground speed, variable speed feeder house, unloading auger swing, and SideHill 6600 leveling system.

Pump Cessna gear-type

Relief Pressures(± 100 psi [6.8 bar])	
6600 (-156500).....	2000 psi (136 bar)
6600 (156501-).....	2250 psi (153 bar)
SideHill 6600	2250 psi (153 bar)
7700 (-163900).....	2000 psi (136 bar)
7700 (163901-).....	2250 psi (153 bar)

Flow rates (at 2500 to 2625 rpm):

Main System

6600 (-156500).....	7.15 gpm (45 m³s)
6600 (156501-206200).....	6.95 gpm (44 m³s)
6600 (206201-).....	7.15 gpm (45 m³s)
SideHill 6600 (156501-208362)	7.15 gpm (45 m³s)
SideHill 6600 (208363-)	10.40 gpm (65 m³s)
7700	10.40 gpm (65 m³s)
7700 (Turbocharged)	9.20 gpm (58 m³s)

Steering System

6600 (-156500).....	3.00 gpm (19 m³s)
6600 (156501-206200).....	3.20 gpm (21 m³s)
6600 (206201-).....	3.15 gpm (20 m³s)
SideHill 6600 (156501-208362)	3.15 gpm (20 m³s)
SideHill 6600 (208363-)	5.00 gpm (32 m³s)
7700 (-8000).....	3.15 gpm (20 m³s)
7700 (With Power Rear Wheel Drive)	
(-8000)	5.00 gpm (32 m³s)
7700 (8001-).....	5.00 gpm (32 m³s)
7700 Turbocharged	4.40 gpm (28 m³s)

CAPACITIES:

Cooling System: (Add 1-1/2-qts (1.4 l) for heater

Gasoline .. 303	28 U.S. Qts. (27 l)
329	28 U.S. Qts. (27 l)
362	32 U.S. Qts. (30 l)
Diesel..... 329	28 U.S. Qts. (27 l)
404	32 U.S. Qts. (30 l)
404 (Turbocharged)	32 U.S. Qts. (30 l)

Engine Crankcase:

Gasoline .. 303	10 U.S. Qts. (9.5 l)
329	10 U.S. Qts. (9.5 l)
362 (7700) (-2800) ..	12 U.S. Qts. (11 l)
362 (7700) (2801-111900) ..	15 U.S. Qts. (14 l)
Diesel..... 329	10 U.S. Qts. (9.5 l)
404 (6600 and SideHill ..	17 U.S. Qts. (16 l)
6600)	
404 (7700) (-2800) ..	12 U.S. Qts. (11 l)
404 (7700) (2801-8000) ..	15 U.S. Qts. (14 l)
404 (7700) (8001-) ..	17 U.S. Qts. (16 l)
404 (Turbocharged)	17 U.S. Qts. (16 l)

Fuel Tank:

6600	57 U.S. Gals. (216 l)
SideHill 6600 (-211800)	57 U.S. Gals. (216 l)
SideHill 6600 (254051-)	72 U.S. Gals. (273 l)
7700	72 U.S. Gals. (273 l)
Transmission	11 U.S. Qts. (10.5 l)

Final Drives:

6600	Regular-duty	10 U.S. Pts. each (4.7 l)
	Heavy-duty	10 U.S. Pts. each (4.7 l)
	Extra-heavy-duty	11 U.S. Pts. each (5.2 l)
SideHill 6600		12 U.S. Pts. each (5.6 l)
7700	Heavy-duty	10 U.S. Pts. each (4.7 l)
	Extra-heavy-duty	11 U.S. Pts. each (5.2 l)

Hydraulic System (including lines and components):

6600 and 7700	17-1/2 U.S. Qts. (16.5 l)
SideHill 6600	24-1/2 U.S. Qts. (23 l)

Hydraulic Brake Master Cylinder..... 1 U.S. Pt. (0.47 l)

Hydraulic Clutch Master Cylinder

Hydrostatic Drive System
 (including lines and components)..... 30 U.S. Qts. (28 l)

DIMENSIONS:

6600 (with 18.4-26 front tires and 7.50-16 rear tires	
Length (including cutting platform)	27 ft. 5 in. (8.36 m)
Height (over grain tank)	9 ft. 6 in. (2.90 m)
Width (right-hand tire to outside edge of platform ladder)	12 ft. 2 in. (3.71 m)
Wheel base	11 ft. 7 in. (3.53 m)
Ground clearance (under separator)	17 in. (432 mm)

SideHill 6600 (23.1-26 front tires and 7.50-16 rear tires)

Length (including cutting platform)	27 ft. 9 in. (8.46 m)
Height (over grain tank)	10 ft. 2 in. (3.10 m)
Width (right-hand tire to outside edge of platform ladder)	13 ft. (3.96 m)
Wheel base	12 ft. 5 in. (3.78 m)
Ground clearance (under separator)	22 in. (559 mm)

7700 (with 23.1-26 front tires and 11L-16 rear tires)

Length (including cutting platform)	27 ft. 5 in. (8.36 m)
Height (over grain tank)	9 ft. 6 in. (2.90 m)
Width (right-hand tire to outside edge of platform ladder)	13 ft. 3 in. (4.05 m)
Wheel base	12 ft. (3.60 m)
Ground clearance (under separator)	17 in. (432 mm)

The specifications and design information contained in this manual were correct at the time this machine was manufactured. It is John Deere's policy to continually improve and update our machines. Therefore, the specifications and design information are subject to change without notice. Wherever applicable, specifications and design information are in accordance with SAE and IEMC standards.

GROUND SPEED IN MPH (km/h) 6600 COMBINE (Posi-Torq Drive)

Regular-Duty Final Drives (13 to 89 ratio)

Size	Tire		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear		Reverse Gear	
	Type												
18.4-26	Cleat		10	.8 to 1.9 (1.3 to 3.1)		1.7 to 4.4 (2.7 to 7.1)		3.2 to 8.0 (5.2 to 12.9)		7.3 to 18.3 (11.8 to 29.5)		1.4 to 3.6 (2.3 to 5.8)	

Heavy-Duty Final Drives (11 to 90 ratio)

Size	Tire		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear		Reverse Gear	
	Type												
23.1-26	Cleat		8, 10	.7 to 1.7 (1.1 to 2.7)		1.6 to 3.9 (2.6 to 6.3)		2.9 to 7.2 (4.7 to 11.6)		6.6 to 16.5 (10.6 to 26.6)		1.3 to 3.2 (2.1 to 5.2)	
23.1-26	Low Profile		8	.7 to 1.7 (1.1 to 2.7)		1.5 to 3.8 (2.4 to 6.1)		2.8 to 6.9 (4.5 to 11.1)		6.4 to 16.0 (10.3 to 25.7)		1.2 to 3.1 (2.1 to 5.0)	
23.1-26	Cane & Rice		8, 10	.7 to 1.8 (1.1 to 2.9)		1.7 to 4.2 (2.7 to 6.8)		3.0 to 7.6 (4.8 to 12.2)		7.0 to 17.4 (11.3 to 28.0)		1.4 to 3.4 (2.3 to 5.5)	
28.1-26	Cleat		10	.7 to 1.8 (1.1 to 2.9)		1.6 to 4.0 (2.6 to 6.4)		2.9 to 7.3 (4.8 to 11.8)		6.7 to 16.9 (10.8 to 27.2)		1.3 to 3.3 (2.1 to 5.3)	
28.1-26	Cane & Rice		10	.7 to 1.8 (1.1 to 2.9)		1.7 to 4.2 (2.7 to 6.8)		3.0 to 7.6 (4.8 to 12.2)		7.0 to 17.4 (11.3 to 28.0)		1.4 to 3.4 (2.3 to 5.5)	

Extra-Heavy Duty Final Drives (11 to 104 ratio)

Size	Tire or Tracks		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear		Reverse Gear	
	Type												
24.5-32	Cleat		10	.7 to 1.7 (1.1 to 2.7)		1.6 to 3.9 (2.4 to 6.3)		2.8 to 7.1 (4.5 to 11.4)		6.5 to 16.3 (10.5 to 26.2)		1.3 to 3.2 (2.1 to 5.2)	
24.5-32	Cane & Rice		10	.7 to 1.7 (1.1 to 2.7)		1.6 to 4.0 (2.6 to 6.4)		2.9 to 7.3 (4.7 to 11.8)		6.7 to 16.8 (10.8 to 26.2)		1.3 to 3.3 (2.1 to 5.3)	
Tracks				.3 to .8 (.5 to 1.3)		.7 to 1.8 (1.1 to 2.9)		1.3 to 3.3 (2.1 to 5.3)		3.0 to 7.6 (4.8 to 12.2)		.6 to 1.5 (1.0 to 2.4)	

GROUND SPEED IN MPH (km/h) 6600 COMBINE (Hydrostatic Drive)

Regular-Duty Final Drives (13 to 89 ratio)

Size	Tire		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear	
	Type			Forward	Reverse	Forward	Reverse	Forward	Reverse	Forward	Reverse
18.4-26	Cleat		10	0 to 1.8 (0 to 3.2)	0 to 1.1 (0 to 1.8)	0 to 4.2 (0 to 6.9)	0 to 2.5 (0 to 4.1)	0 to 7.7 (0 to 12.6)	0 to 4.6 (0 to 7.6)	0 to 17.6 (0 to 28.8)	0 to 10.5 (0 to 17.3)

Heavy-Duty Final Drives (11 to 90 ratio)

Size	Tire		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear	
	Type			Forward	Reverse	Forward	Reverse	Forward	Reverse	Forward	Reverse
23.1-26	Cleat		8, 10	0 to 1.7 (0 to 2.7)	0 to 1.0 (0 to 1.7)	0 to 3.8 (0 to 6.2)	0 to 2.3 (0 to 3.6)	0 to 6.9 (0 to 11.3)	0 to 4.2 (0 to 6.9)	0 to 16.0 (0 to 26.2)	0 to 9.5 (0 to 15.8)
23.1-26	Low Profile		8	0 to 1.6 (0 to 2.6)	0 to .9 (0 to 1.6)	0 to 3.7 (0 to 6.0)	0 to 2.2 (0 to 3.5)	0 to 6.7 (0 to 10.9)	0 to 4.0 (0 to 6.6)	0 to 15.4 (0 to 25.1)	0 to 9.2 (0 to 15.2)
23.1-26	Cane & Rice		8, 10	0 to 1.7 (0 to 2.8)	0 to 1.0 (0 to 1.7)	0 to 4.0 (0 to 6.6)	0 to 2.4 (0 to 4.0)	0 to 7.3 (0 to 11.9)	0 to 4.4 (0 to 7.3)	0 to 16.8 (0 to 28.0)	0 to 10.0 (0 to 16.6)
28.1-26	Cleat		10	0 to 1.7 (0 to 2.8)	0 to 1.0 (0 to 1.7)	0 to 3.9 (0 to 6.3)	0 to 2.3 (0 to 3.8)	0 to 7.1 (0 to 11.6)	0 to 4.2 (0 to 6.9)	0 to 16.3 (0 to 26.7)	0 to 9.7 (0 to 16.0)
28.1-26	Cane & Rice		10	0 to 1.7 (0 to 2.8)	0 to 1.0 (0 to 1.7)	0 to 4.0 (0 to 6.6)	0 to 2.4 (0 to 4.0)	0 to 7.3 (0 to 11.9)	0 to 4.4 (0 to 7.3)	0 to 16.8 (0 to 27.4)	0 to 10.1 (0 to 16.7)

Extra-Heavy-Duty Final Drives (11 to 104)

Size	Tire or Tracks		Ply	1st Gear		2nd Gear		3rd Gear		4th Gear	
	Type			Forward	Reverse	Forward	Reverse	Forward	Reverse	Forward	Reverse
24.5-32	Cleat		10	0 to 1.7 (0 to 2.7)	0 to 1.0 (0 to 1.6)	0 to 3.9 (0 to 6.3)	0 to 2.4 (0 to 3.7)	0 to 7.1 (0 to 11.4)	0 to 4.4 (0 to 7.1)	0 to 16.3 (0 to 26.2)	0 to 10.1 (0 to 16.1)
24.5-32	Cane & Rice		10	0 to 1.7 (0 to 2.7)	0 to 1.1 (0 to 1.8)	0 to 4.0 (0 to 6.4)	0 to 2.5 (0 to 4.0)	0 to 7.3 (0 to 11.8)	0 to 4.5 (0 to 7.2)	0 to 16.8 (0 to 27.0)	0 to 10.4 (0 to 16.7)
Tracks				0 to .8 (0 to 1.3)	0 to .5 (0 to .8)	0 to 1.8 (0 to 2.9)	0 to 1.1 (0 to 1.8)	0 to 3.3 (0 to 5.3)	0 to 2.0 (0 to 3.2)	0 to 7.6 (0 to 12.2)	0 to 4.7 (0 to 7.6)

BUY NOW

**Then Instant Download
the Complete Manual
Thank you very much!**