### Engine

<table>
<thead>
<tr>
<th>1063</th>
<th>1263</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Cummins 6BTA5.9 water-cooled, turbocharged, and after-cooled diesel</td>
</tr>
<tr>
<td><strong>Rated power</strong></td>
<td>165 SAE gross hp (123 kW) @ 2,000 rpm</td>
</tr>
<tr>
<td><strong>Cylinders</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>360 cu. in. (5.9 L)</td>
</tr>
<tr>
<td><strong>Maximum net torque @ 1,500 rpm</strong></td>
<td>511 lb.-ft. (694 Nm)</td>
</tr>
<tr>
<td><strong>Air cleaner</strong></td>
<td>two stage with safety element and dust unloader valve</td>
</tr>
<tr>
<td><strong>Cooling fan</strong></td>
<td>suction-type</td>
</tr>
</tbody>
</table>

### Electrical

| | |
| | 24 volt with 140-amp alternator |
| **Batteries (two 12 volt)** | 1,200 cold cranking amps (140 Ah) |
| | 1,200 cold cranking amps (140 Ah) |

### Transmission

| | |
| | hydrostatic mechanical with two-speed gearbox |
| **Travel speeds, forward and reverse** | 0–15.5 mph (0–25 km/h) | 0–15.5 mph (0–25 km/h) |
| | 0–3.1 mph (0–5 km/h) | 0–3.1 mph (0–5 km/h) |
| **Maximum tractive effort** | 30,350 lb.-ft. (135 kN) | 33,723 lb.-ft. (150 kN) |

### Axles

| | |
| | balanced bogie axle with portal-type bogie beams in front; rigid single axle in rear |
| **Final drives** | heavy-duty planetary, mounted outboard |
| **Differentials** | hypoid-type hydraulically operated mechanical differential lock front and rear |

### Brakes

| | |
| | hydraulically activated, oil immersed, multiple disc, inboard |
| **Parking brakes** | automatically spring applied, hydraulically released, oil immersed, inboard |

### Steering

| | |
| | articulated frame steering with two hydraulic steering cylinders |
| **Frame articulation** | 80 degrees total articulation, stop to stop |
| **Steering control** | proportional, electrical mini-joystick over hydraulics |

### Hydraulic System

| | |
| | load sensing with power control |
| **Working hydraulics** | variable-displacement pump |
| **Rated flow** | 60 gpm (230 L/min.) @ 1,800 rpm |
| **Pressure** | 3,478 psi (24 000 kPa) |
| **Powertrain hydraulics** | variable-displacement pump/motor |
| **Rated flow** | 43 gpm (162 L/min.) @ 1,800 rpm |

### Total Machine Control System (TMC™)

<table>
<thead>
<tr>
<th>1063</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>parallel boom with telescopic outer boom</td>
</tr>
<tr>
<td><strong>Gross lifting torque</strong></td>
<td>79,570 lb.-ft. (135 kNm)</td>
</tr>
<tr>
<td><strong>Gross swing torque</strong></td>
<td>28,030 lb.-ft. (38.0 kNm)</td>
</tr>
<tr>
<td><strong>Maximum reach with harvesting head</strong></td>
<td>32.8 ft. (10.0 m)</td>
</tr>
<tr>
<td><strong>Tilt angle</strong></td>
<td>±15 degrees</td>
</tr>
<tr>
<td><strong>Swing angle</strong></td>
<td>±220 degrees</td>
</tr>
</tbody>
</table>
### H744 Harvesting Head Information

- **Maximum cutting diameter:** 21.6 in. (550 mm)
- **Weight (includes rotator and link):** 1,880 lb. (850 kg)
- **Feed force**
  - Standard: 4,490 lb. (20.0 kN)
  - Optional: 5,660 lb. (25.2 kN)
- **Maximum feed speed:** 16.4 ft./sec. (5.0 m/sec.)

### 762C Harvesting Head Information

- **Maximum cutting diameter:** 25.6 in. (650 mm)
- **Weight (includes rotator and link):** 2,968 lb. (1350 kg)
- **Feed force**
  - Standard: 5,266 lb. (23.4 kN)
  - Optional: 6,301 lb. (28.0 kN)
- **Feed speed**
  - Standard: 14.8 ft./sec. (4.5 m/sec.)
  - Optional: 13.1 ft./sec. (4.0 m/sec.)

### TJ3000 Measuring System

- Easy to use; information displayed on large screen with clear graphic symbols and text; highly automated harvester head control including saw bar control, automatic pressure adjustment of deliming knives and harvester head tilt-up; modular-based CAN-bus reduces the amount of cabling needed for accuracy and reliability; compact, efficient design of push buttons and joysticks for maximum ergonomics; easy calibration of measuring length and diameter; printer for production reports, machine settings, and log charts; fault-finding function; memory card for transferring data, including production data and machine settings (PCM CIA-card); control for color marking and stump treatment, price- and priority-based optimization, operation and service follow-up program, versatile data-transfer and electronic-caliper options also available.

### Tires

- **Front**
  - Standard: 700 x 22.5 ELS
  - Optional: 700 x 22.5 ELS
- **Rear**
  - Standard: 750 x 34 TRS
  - Optional: 700 x 34 TRS

### Ground Pressure Data

- 700 x 22.5 front and 750 x 26.5 rear tires: 7.5 psi (51 kPa)
- 700 x 26.5 ELS L-2 front and 700 x 34 TRS L-2 rear tires: 7.9 psi (55 kPa)

### Capacities

- **Fuel tank:** 79 gal. (300 L)
- **Cooling system:** 7.6 qt. (29 L)
- **Hydraulic oil system:** 52 gal. (200 L)

### Operating Weights

- **Standard (minimum depending on equipment):** 30,420 lb. (13 800 kg)
- **1263:** 37,260 lb. (16 900 kg)
## Dimensions 1063 Wheel Harvester

- **A** Length: 21 ft. 7 in. (6600 mm)
- **B** Width:
  - With 700 x 22.5 standard tires: 109 in. (2780 mm)
  - With 600 x 22.5 optional tires: 103 in. (2620 mm)
- **C** Transport height: 143 in. (3640 mm)
- **D** Ground clearance: 23.6 in. (600 mm)
- **E** Wheelbase: 137 in. (3500 mm)
- **F** Reach: 32 ft. 9 in. (10 000 mm)
**Dimensions**

- **A** Length .......................................................................................................................................................... 23 ft. 7.2 in. (7205 mm)
- **B** Width ............................................................................................................................................................ 112.6 in. (2860 mm)
- **C** Transport height ............................................................................................................................................ 143.5 in. (3645 mm)
- **D** Ground clearance .......................................................................................................................................... 24.6 in. (625 mm)
- **E** Wheelbase .................................................................................................................................................... 145.2 in. (3710 mm)
- **F** Reach ........................................................................................................................................................... 28 ft. 2.4 in. (8600 mm)

**1263 Wheel Harvester**
### 1063 / 1263 Wheel Harvesters

**Key:** ● Standard equipment ▲ Optional or special equipment

#### 1063 1263 Engine
- Cummins 6BT A5.9
- Cummins 6CT 8.3
- Antifreeze to −34°F (−37°C)
- Electric fuel shut off with start switch key
- Dual-stage fuel filters
- Isolation-mounted engine
- Oil-to-water engine oil cooler
- Suction-type cooling fan with guard
- Coolant recovery tank
- Fuel water separator
- In-line injection pump
- Oil drain hose for spill-free oil changes
- Air intake precleaner
- Engine preheater (also heats cab and hydraulic tank)

#### 1063 1263 Electrical
- 24 volt
- Alternator, 140 amp
- Battery disconnect with main switch
- Dual, heavy-duty, low-maintenance batteries
- Work lights, 14 twin, four boom lights

#### 1063 1263 Transmission
- Hydrostatic mechanical transmission
- Protected electric/hydraulic range shift of two-speed gearbox

#### 1063 1263 Axles
- Balanced bogie axle with portal-type bogie beams in front, rigid single axle in rear

#### 1063 1263 Brakes
- Service: Hydraulically activated, oil immersed, multiple disc, inboard
- Parking: Automatically spring applied, hydraulically released, oil immersed, inboard
- Frame oscillation brake

#### 1063 1263 Steering
- Frame articulation, with 80 degrees total articulation
- Lever steering, left-hand armrest-mounted control

#### 1063 1263 Hydraulic System
- Load sensing with power control
- Oil cooler, heavy-duty, side by side with radiator
- Oil filter, return, 10 micron with bypass
- Quick-disconnect diagnostic ports
- Refill pump, electrical
- Vacuum pump

#### Total Machine Control System (TMCS™)
- Controls engine, transmission, and boom
- Driver-specific parameters for seven (7) operator and two (2) factory settings
- Gauge and indicator light information displayed on graphic screen (engine coolant temperature, hydraulic oil temperature, voltage, etc.)

#### Boom
- 27.0 ft. (8.6 m)
- 32.8 ft. (10.0 m)

#### Stump-treatment system
- Lubrication system for booms
- Parallel (acting) boom with telescopic outer boom

#### Color marking (two colors)

#### TJ44 Harvesting Head
- Color marking (two colors)
- Stump-treatment system

#### 762C Harvesting Head
- Color marking (two colors)
- Stump-treatment system

#### Operator’s Station
- Air conditioner (R134A refrigerant) with heater, and fresh and recirculated air filters
- AM-FM stereo radio/cassette
- Side window wipers/washers (2)

#### Cab with integral forestry guarding, FOPS, OPS, and ROPS protective structure
- Floor mat
- TJ3000 processing control system with onboard printer
- Coat hook
- Horn
- Interior light
- Lockable cab door
- Lunch box
- Seat, fabric covered, mechanical suspension, knee action with: Lumbar adjustment / Weight adjustment / Seat armrest height adjustment / High back / Seat backrest angle adjustment
- Seat belt, 2-in. (51 mm) wide with retractor (conforms to SAE J388)
- Secondary exit (rear window)
- Storage compartment with spare parts catalog and operator’s manual
- Sunblinds on all windows
- Tinted polycarbonate windows
- Windshield wiper/washer
- Side window wipers/washers (2)

#### Tires
- 700 x 22.5 ELS front
- 600 x 22.5 ELS front
- 750 x 26.5 TRS rear
- 700 x 26.5 ELS front
- 700 x 34 TRS rear

#### Bogie tracks
- Articulation transport lock pin
- Hand grips
- Heavy-duty engine hood
- Stairs
- Tow pin

## Control Owning and Operating Costs

Total Repair Cost Management (TRCM) 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:

- **OilScan® Plus 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. OilScan Plus oil analysis is included in most SECURE®-Extended warranty 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.

SECURE-Extended warranty – 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 a SECURE-Extended 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 Total Repair Cost Management. 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.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000 feet (3050 m) altitude. Gross power is without cooling fan.

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 units with all standard equipment, full fuel tanks, and 175-lb. (79 kg) operators.

DKA1063 Litho in U.S.A. (01-11)