1063 1263

Engine	1063	1263
Type	Cummins 6BTA5.9 water-cooled, turbocharged, and after-cooled diesel	Cummins 6CT8.3 water-cooled and turbocharged diesel
Rated power	165 SAE gross hp (123 kW) @ 2,000 rpm	218 SAE gross hp (163 kW) @ 2,100 rpm
Cylinders	6	6
Displacement	360 cu. in. (5.9 L)	506 cu. in. (8.3 L)
Maximum net torque @ 1,500 rpm	511 lb.-ft. (694 Nm)	641 lb.-ft. (872 Nm)
Air cleaner	two stage with safety element and dust unloader valve	two stage with safety element and dust unloader valve
Cooling system	heavy-duty radiator with coolant level indicator and coolant recovery reservoir	heavy-duty radiator with coolant level indicator and coolant recovery reservoir
Cooling fan	suction-type	suction-type

Electrical		
Type	24 volt with 140-amp alternator	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		
Type	hydrostatic mechanical with two-speed gearbox	hydrostatic mechanical with two-speed gearbox
Travel speeds, forward and reverse		
High	0–15.5 mph (0–25 km/h)	0–15.5 mph (0–25 km/h)
Low	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		
Type	balanced bogie axle with portal-type bogie beams in front; rigid single axle in rear	balanced bogie axle with portal-type bogie beams in front; rigid single axle in rear
Final drives	heavy-duty planetary, mounted outboard	heavy-duty planetary, mounted outboard
Differentials	hypoid-type hydraulically operated mechanical differential lock front and rear	hypoid-type hydraulically operated mechanical differential lock front and rear

Brakes		
Service brakes	hydraulically activated, oil immersed, multiple disc, inboard	hydraulically activated, oil immersed, multiple disc, inboard
Parking brakes	automatically spring applied, hydraulically released, oil immersed, inboard	automatically spring applied, hydraulically released, oil immersed, inboard

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

Hydraulic System		
Type	load sensing with power control	load sensing with power control
Working hydraulics	variable-displacement pump	variable-displacement pump
Rated flow	60 gpm (230 L/min.) @ 1,800 rpm	76 gpm (288 L/min.) @ 1,650 rpm
Pressure	3,478 psi (24 000 kPa)	3,478 psi (24 000 kPa)
Powertrain hydraulics	variable-displacement pump/motor	variable-displacement pump/motor
Rated flow	43 gpm (162 L/min.) @ 1,800 rpm	51 gpm (188 L/min.) @ 1,500 rpm

Total Machine Control System (TMC™)	1063 / 1263
Controls engine, transmission, and boom driver-specific parameters for seven operator and two factory settings	

Boom	1063	1263
Type	parallel boom with telescopic outer boom	parallel boom with telescopic outer boom
Gross lifting torque	79,570 lb.-ft. (135 kNm)	130,882 lb.-ft. (178 kNm)
Gross swing torque	28,030 lb.-ft. (38.0 kNm)	32,000 lb.-ft. (43.6 kNm)
Maximum reach with harvesting head	32.8 ft. (10.0 m)	28.2 ft. (8.6 m)
Tilt angle	±15 degrees	–15 to +30 degrees
Swing angle	220 degrees	195 degrees

H744 Harvesting Head

Information	1063
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	1263
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

1063 / 1263

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 delimbing 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	1063	1263
Front		700 x 26.5 ELS
Standard	700 x 22.5 ELS	
Optional	600 x 22.5 ELS	
Rear	750 x 26.5 TRS	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)	122.8 gal. (465 L)
Cooling system	7.6 qt. (29 L)	10.6 qt. (40 L)
Hydraulic oil system	52 gal. (200 L)	51 gal. (193 L)

Operating Weights

Standard (minimum depending on equipment)	30,420 lb. (13 800 kg)	37,260 lb. (16 900 kg)

Dimensions 1063

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)

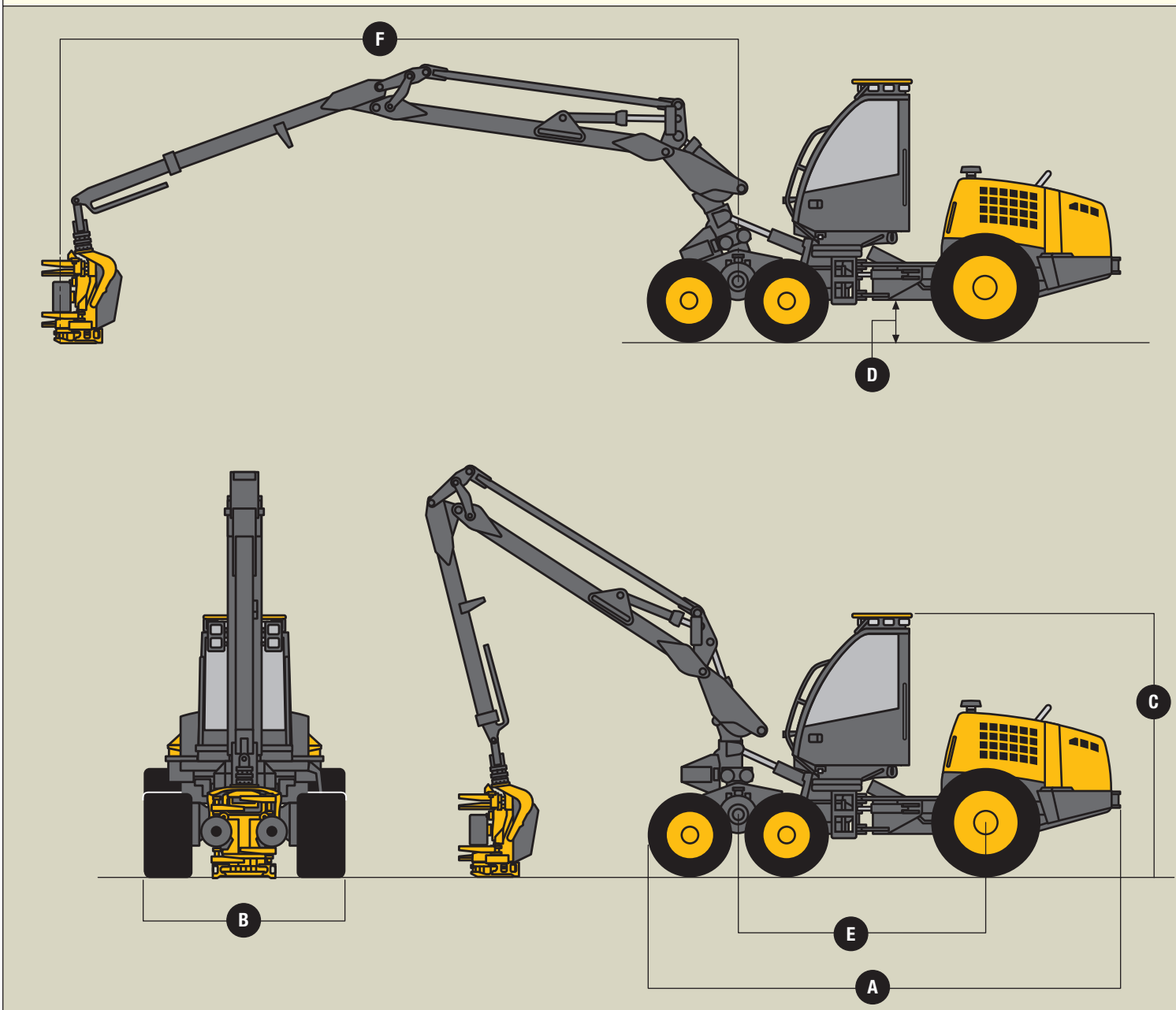
C Transport height.....143 in. (3640 mm)

D Ground clearance.....23.6 in. (600 mm)

E Wheelbase.....137 in. (3500 mm)

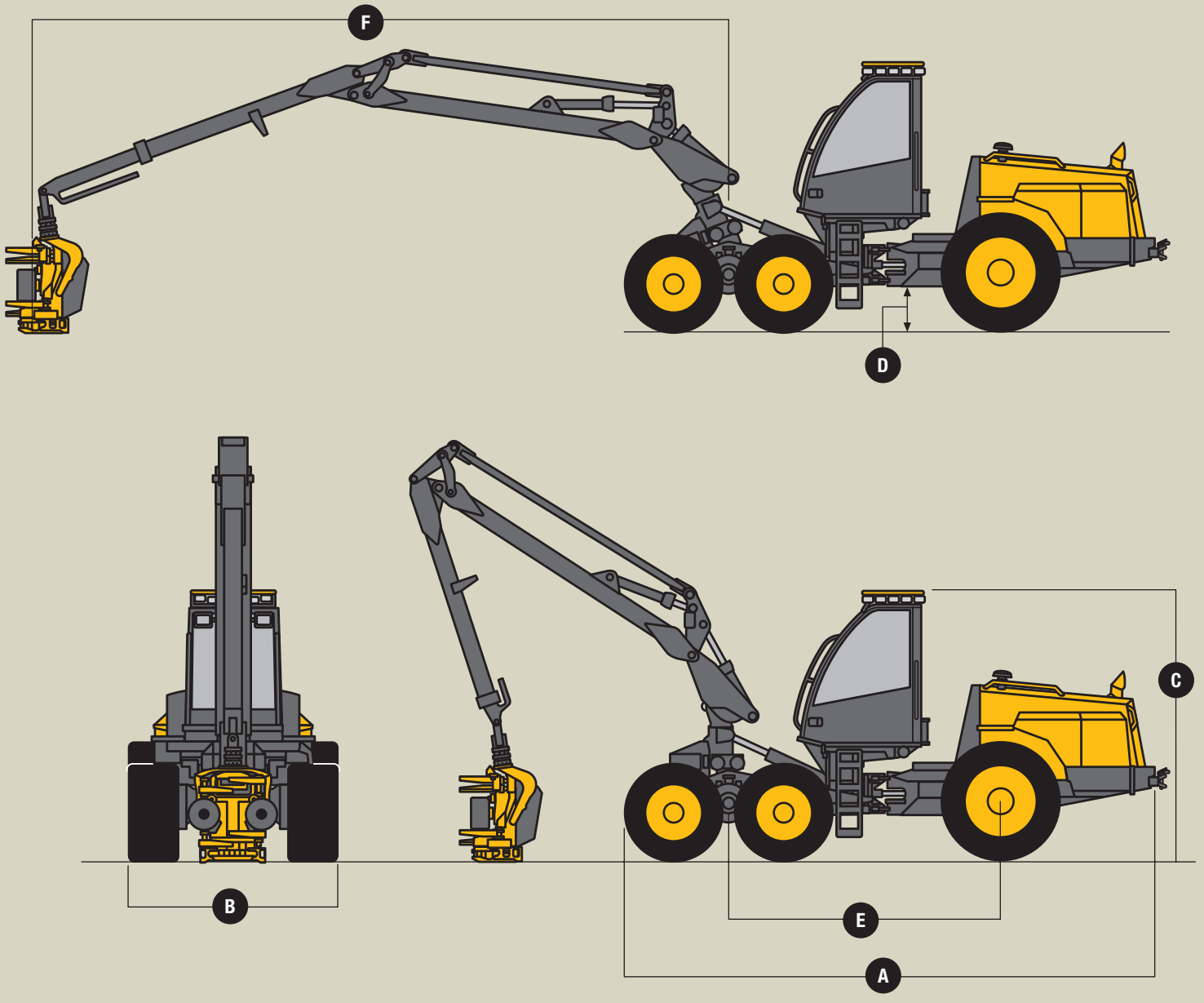
F Reach.....32 ft. 9 in. (10 000 mm)

1063 Wheel Harvester



Dimensions	1263
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

See your John Deere dealer for further information.

1063	1263	Engine
●		Cummins 6BTA5.9
	●	Cummins 6CT8.3
●	●	Antifreeze to –34°F (–37°C)
●	●	Electric fuel shutoff 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)
		Electrical
●	●	24 volt
●	●	Alternator, 140 amp
●	●	Battery disconnect with main switch
●	●	Dual, heavy-duty, low-maintenance batteries
●	●	Work lights, 14 twin, four boom lights
		Transmission
●	●	Hydrostatic mechanical transmission
●	●	Protected electric/hydraulic range shift of two-speed gearbox
		Axles
●	●	Balanced bogie axle with portal-type bogie beams in front, rigid single axle in rear
		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
		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 (TMC™)
●	●	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)
●	●	Lubrication system for booms
●	●	Parallel (acting) boom with telescopic outer boom
		H744 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

1063	1263	Operator's Station *(continued)*
●	●	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 J386)
●	●	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
		Overall Vehicle
●	●	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.

JOHN DEERE

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.

SAFETY live with it

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