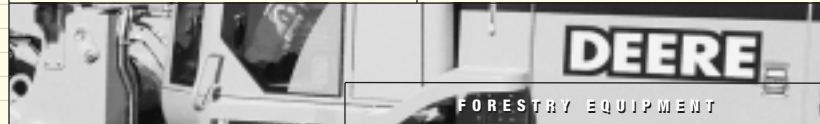


# 1058 1158

FORWARDERS

SPECIFICATIONS



Engine	1058	1158
Type .....	Cummins 4BTA water-cooled turbocharged diesel	Cummins 6BTA water-cooled turbocharged diesel
Rated power @ 2,200 rpm .....	112 SAE gross hp (82 kW)	167 SAE gross hp (123 kW)
Cylinders .....	4	6
Displacement .....	238 cu. in. (3.9 L)	360 cu. in. (5.9 L)
Maximum net torque @ 1,500 rpm .....	328 lb.-ft. (445 Nm)	512 lb.-ft. (694 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 coolant recovery reservoir with coolant level indication	heavy-duty radiator coolant recovery reservoir with coolant level indication
Cooling fan .....	suction-type	suction-type

Electrical	1058 / 1158
Type .....	24 volt with 70-amp alternator
Batteries (two 12 volt) .....	950 cold cranking amps (110 Ah)

Transmission	1058	1158
Type .....	hydrostatic mechanical with two-speed gearbox, disconnection of rear axle drive with high range	hydrostatic mechanical with two-speed gearbox, disconnection of rear axle drive with high range
Travel speeds, forward and reverse		
High .....	0–13.7 mph (0–22 km/h)	0–13.7 mph (0–22 km/h)
Low .....	0–5 mph (0–8 km/h)	0–5 mph (0–8 km/h)
Maximum tractive effort .....	31,473 lb. (140 kN)	33,723 lb.-ft. (150 kN)

Axles	1058	1158
	<i>Four-Wheel Long and Four-Wheel Short</i>	<i>Six-Wheel</i>
Type .....	rigid single axle in front and rear	rigid single axle in front and bogie axle with portal-type bogie beams in rear
Final drives .....	heavy-duty planetary, mounted outboard	heavy-duty planetary, mounted outboard in front
Differentials .....	hypoid type, hydraulically operated mechanical differential locks front and rear	hypoid type, hydraulically operated mechanical differential locks front and rear
		<i>Eight-Wheel</i>
		bogie axle with portal-type bogie beams in front and rear
		heavy-duty planetary, mounted inboard
		hypoid type, hydraulically operated mechanical differential locks front and rear

Brakes	1058 / 1158
Service brakes .....	hydraulically activated, oil immersed, multiple disc, inboard
Parking brake .....	automatically spring applied, hydraulically released, oil immersed, inboard

Steering	
Type .....	articulated frame steering with two hydraulic steering cylinders
Frame articulation .....	88 degrees total articulation, stop to stop
Steering control .....	proportional, electrical mini-joystick over hydraulics

Hydraulic System	1058	1158
Type .....	load sensing with power control	load sensing with power control
Working hydraulics .....	variable-displacement pump	variable-displacement pump
Rated flow @ 1,500 rpm .....	29.3 gpm (111 L/min.)	40 gpm (150 L/min.)
Pressure .....	3,117 psi (21 500 kPa)	3,117 psi (21 500 kPa)
Powertrain hydraulics .....	variable-displacement pump/motor	variable-displacement pump/motor
Rated flow @ 1,500 rpm .....	29.6 gpm (112 L/min.)	50 gpm (187 L/min.)

<b>Boom</b>	<b>1058</b>	<b>1158</b>
Type .....	knuckleboom with telescopic outer boom	knuckleboom with telescopic outer boom
Gross lifting torque .....	67,109 lb.-ft. (91 kN)	73,008 lb.-ft. (99 kN)
Gross swing torque .....	17,994 lb.-ft. (24.4 kN)	17,994 lb.-ft. (24.4 kN)
Maximum reach .....	23 ft. 7 in. (7.2 m) standard / 27 ft. (8.5 m) optional	23 ft. 7 in. (7.2 m) standard / 27 ft. (8.5 m) optional
Swing angle .....	380 degrees	380 degrees

<b>Wood Bunk</b>	<b>1058</b>	<b>1158</b>
	<i>Four-Wheel Long and Six-Wheel</i>	<i>Four-Wheel Short</i>
Maximum cross section.....	37.7 sq. ft. (3.5 m <sup>2</sup> )	36.6 sq. ft. (3.4 m <sup>2</sup> )
Payload (stacked) .....	4.7 cords (17.2 m <sup>3</sup> )	2.7 cords (9.9 m <sup>3</sup> )
		<i>Eight-Wheel</i>
		43.0 sq. ft. (4.0 m <sup>2</sup> )
		5.4 cords (19.6 m <sup>3</sup> )

<b>Tires</b>	<b>1058</b>	<b>1158</b>		
	<i>Four-Wheel Long</i>	<i>Four-Wheel Short</i>	<i>Six-Wheel</i>	<i>Eight-Wheel</i>
Front				
Standard .....	23.1-26 14PR	23.1-26 14PR	23.1-26 14PR	600/26.5 20PR
Optional .....	28L-26 14PR	28L-26 14PR	28L-26 14PR	700/26.5 20PR
	66/43-26	N/A	N/A	N/A
Rear				
Standard .....	23.1-26 14PR	23.1-26 14PR	600/26.5 20PR	600/26.5 20PR
Optional .....	28L-26 14PR	28L-26 14PR	700/26.5 20PR	700/26.5 20PR
	66/43-26	N/A	N/A	N/A

<b>Ground Pressure Data</b>	<b>1058</b>	<b>1158</b>
	<i>Four-Wheel Long and Six-Wheel</i>	<i>Four-Wheel Short</i>
With standard tires .....	7.8 psi (54 kPa)	7.2 psi (50 kPa)
		<i>Eight-Wheel</i>
		9.2 psi (64 kPa)

<b>Capacities</b>	<b>1058</b>	<b>1158</b>
Fuel tank.....	37 gal. (140 L)	42 gal. (163 L)
Cooling system.....	7.7 gal. (29 L)	9.2 gal. (35 L)
Hydraulic reservoir .....	29 gal. (110 L)	37 gal. (142 L)

<b>Operating Weights/ Load Rating</b>	<b>1058</b>	<b>1158</b>		
	<i>Four-Wheel Long</i>	<i>Four-Wheel Short</i>	<i>Six-Wheel</i>	<i>Eight-Wheel</i>
Standard equipment.....	26,455 lb. (12 000 kg)	23,311 lb. (10 574 kg)	27,560 lb. (12 500 kg)	34,170 lb. (15 500 kg)
Load rating.....	22,045 lb. (10 000 kg)	19,840 lb. (9000 kg)	22,045 lb. (10 000 kg)	24,250 lb. (11 000 kg)

**Dimensions**

**1058**

*Four-Wheel Long and Six-Wheel*

<b>A</b> Length.....	29 ft. 8.3 in. (9050 mm)
<b>B</b> Width	
With 600/23.1 series tires .....	8 ft. 9.5 in. (2680 mm)
With 700/28L series tires .....	9 ft. 4.6 in. (2860 mm)
With 66/43-26 series tires* .....	11 ft. 5 in. (3480 mm)
<b>C</b> Transport height .....	12 ft. 7 in. (3700 mm)
<b>D</b> Ground clearance .....	23.8 in. (605 mm)
<b>E</b> Wheelbase.....	15 ft. 9 in. (4800 mm)
<b>F</b> Load stake width.....	104.7 in. (2660 mm)
<b>G</b> Length of wood bunk.....	189.7 in. (4820 mm)
<b>H</b> Reach.....	23 ft. 7 in. (7200 mm)

\*Not available for six-wheel model.

**1158**

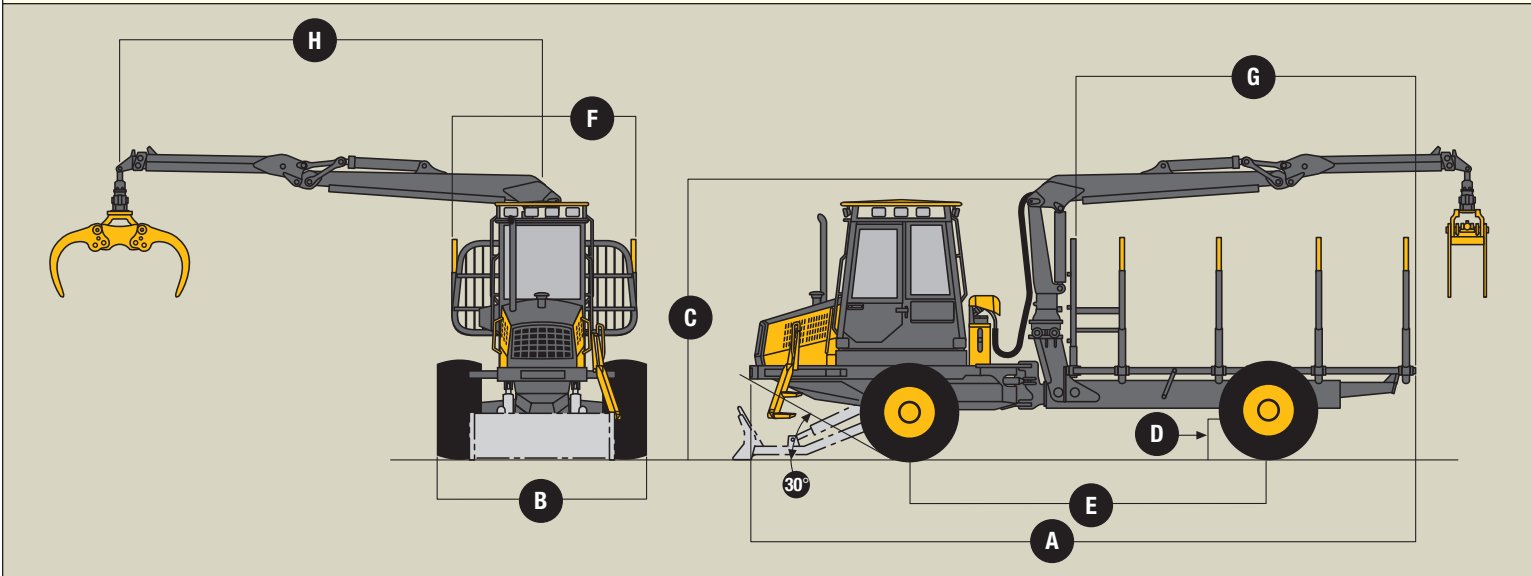
*Four-Wheel Short*

24 ft. 5 in. (7440 mm)
8 ft. 6 in. (2590 mm)
9 ft. 4.6 in. (2860 mm)
N/A
12 ft. 2 in. (3700 mm)
23.8 in. (605 mm)
12 ft. 3 in. (3725 mm)
102 in. (2582 mm)
116 in. (2947 mm)
23 ft. 7 in. (7200 mm)

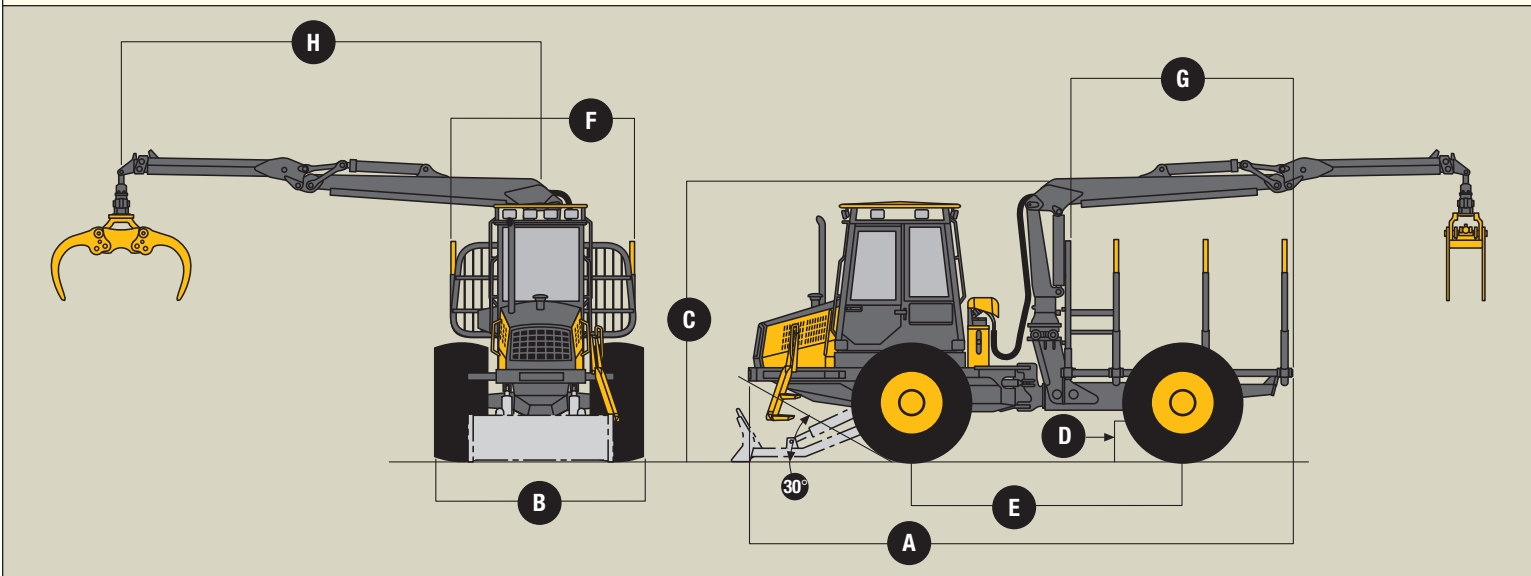
*Eight-Wheel*

31 ft. 7 in. (9623 mm)
8 ft. 9.5 in. (2680 mm)
9 ft. 4.6 in. (2860 mm)
N/A
12 ft. 7 in. (3700 mm)
23.8 in. (605 mm)
15 ft. 9 in. (5150 mm)
104.7 in. (2660 mm)
189.7 in. (4820 mm)
23 ft. 7 in. (7200 mm)

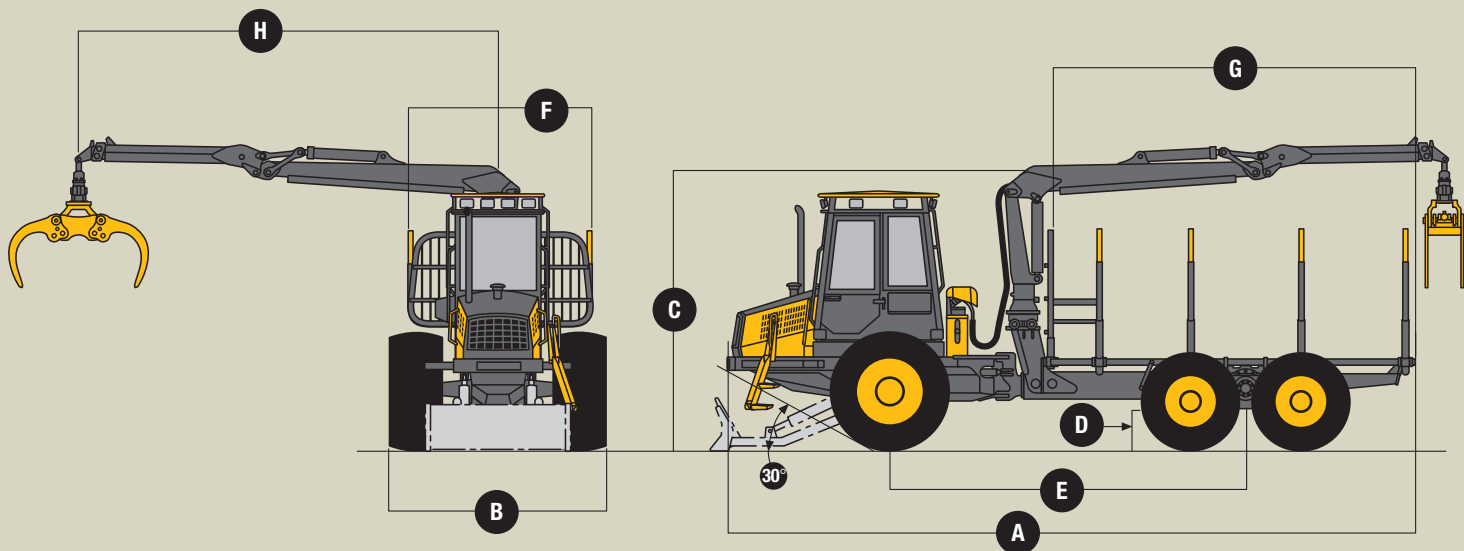
**1058 Four-Wheel Long Forwarder**



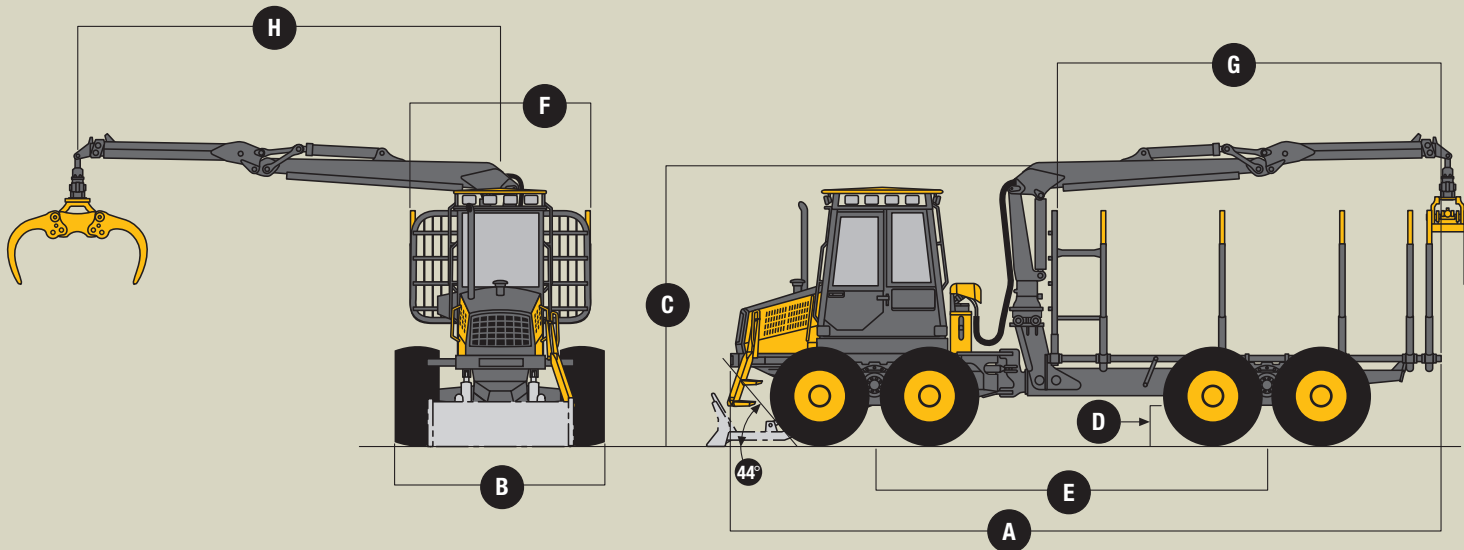
**1058 Four-Wheel Short Forwarder**



## 1058 Six-Wheel Forwarder



## 1158 Eight-Wheel Forwarder



## 1058 / 1158 Forwarders

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

See your John Deere dealer for further information.

### 1058 1158 Engine

- Cummins 4BTA 3.9
  - Cummins 6BTA 5.9
- Antifreeze to -34°F (-37°C)
- Electric fuel shutoff with start switch key
- Fuel filter, quick release
- Isolation-mounted engine
- Oil-to-water engine oil cooler
- Suction-type cooling fan, enclosed with guard
- Coolant recovery tank
- In-line injection pump

### Electrical

- 24 volt
- Alternator, 70 amp
- Dual, heavy-duty, low-maintenance batteries
- ▲ Work lights

### Transmission

- Hydrostatic mechanical transmission
- Protected electric/hydraulic range shift of two-speed gearbox
- Disconnection of rear axle drive with high range

### Axles

- Rigid single axle in front and rear (four-wheel long and short models)
- Rigid single axle front and bogie axle with portal-type bogie axle in rear (six-wheel model)
  - Portal-type bogie axles in front and rear

### Brakes

- Service: Hydraulically activated, oil immersed, multiple disc, inboard
- Park: Automatically spring-applied, hydraulically released, oil immersed, inboard

### Steering

- Frame articulation, with 88 degrees total articulation

### 1058 1158 Steering (continued)

- Lever steering, left-hand armrest-mounted control

### Hydraulic System

- Load sensing
- LCS control system
- Low-effort mini-joystick controls
- Heavy-duty oil cooler, side by side with radiator
- Oil filter, return, 10 micron with bypass
- Open-center hydraulics for boom
- Quick disconnect diagnostic ports

### Boom

- Knuckleboom with telescopic outer boom
- 23 ft. 7 in. (7.2 m)
- ▲ 27 ft. (8.5 m)

### Wood Bunk

- Cross section, 37.7 sq. ft. (3.5 m<sup>2</sup>) maximum (four-wheel long and six-wheel models)
- Cross section, 36.6 sq. ft. (3.4 m<sup>2</sup>) maximum (four-wheel short model)
  - Cross section, 43.0 sq. ft. (4.0 m<sup>2</sup>) maximum

### Operator's Station

- Air conditioner (R134A refrigerant)/heater
- AM-FM stereo radio/cassette with two (2) remote-mounted speakers
- Cab tilt with onboard hydraulic/lift
- Cab with integral forestry guarding, FOPS, OPS, and ROPS protective structure
- Fire extinguisher, 10 lb.
- Floor mat
- Coat hook
- Gauges, illuminated: Engine coolant temperature / Fuel level / Hourmeter / Tachometer
- Hand throttle
- Horn
- Interior light
- Lockable cab door

### 1058 1158 Operator's Station (continued)

- Monitor indicator lights for: Alternator voltage / Hydraulic oil level / Hydraulic oil temperature / Hydraulic oil filter clogging / Engine oil pressure / Transmission hydraulics charge pressure / Brake system hydraulics pressure
- Rearview mirror, interior mounted
- Seat, fabric covered, mechanical suspension: Lumbar adjustment / Weight adjustment / Seat armrest height adjustment / High back / Seat backrest angle adjustment / 230-degree seat rotation with three-position lock pedestal
- Seat belt, 2-in. (51 mm) wide with retractor (conforms to SAE J386)
- Secondary exit (right side window)
- Tinted polycarbonate windows
- Storage compartment with spare parts catalog and operator's manual
- Windshield wiper/washer

### Tires

- 23.1-16 14PR front and rear (four-wheel models)
- ▲ 28L-26 14PR front and rear (four-wheel models)
- 23.1-26 14PR front / 600/26.5 20PR rear (six-wheel model)
- ▲ 28L-26 14PR front / 700/26.5 20PR rear (six-wheel model)
- 600/26.5 20PR front and rear
- ▲ 700/26.5 20PR front and rear

### Overall Vehicle

- Articulation transport lock pin
- Hand grips
- Hose carrier
- ▲ Cable-type cab guards/engine hood guard
- ▲ Decking blade
- ▲ Tow hook

## 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.

