The sophisticated hydraulic system is the brain behind combined-hydraulic-function-capability (C-H-F-C) - its automatic load-sensing system. C-H-F-C lets the 595D propel and swing the boom simultaneously without sluttering or mistracking.

The open-center hydraulic system automatically adjusts to meet job demands. Mode selector also lets you fine-tune performance to save fuel.

Easy to get to. Large, reinforced doors swing wide for easy access to all components and fill-points. Easy-to-read sight gauges let you check hydraulic fluid and fuel levels from the ground. Lock cab and service areas with ignition key.

The 595D looks like no other excavator. The two-speed hydraulic system provides all-wheel drive in low and a top speed of 18.6 mph (30 km/h) in high. The air-over-hydraulic brake system features expanding shoes at all corners to assure smooth confident stops in all kinds of terrain.

Quiet comfort. The roomy, well-ventilated operator station lets you concentrate on the job at hand. Fatigue is reduced because the cab is isolation-mounted. Both cab and engine compartments are lined with sound-deadening insulation. The cloth-covered seat is fully adjustable. Visibility is excellent - especially to the trench. Dual rear-view mirrors are standard. Vital machine functions are monitored electronically with both visual and electronic alarms. A large 13,500 Blower (4.1 kW) heater is standard.

The standard auxiliary valve and circuit let you install attachments fast.

Fongs' teeth are featured on every bucket. Due to their unique profile, Fongs teeth dig with 23 percent less effort for faster bucket fill and better bucket control.

Front axle oscillates 12 degrees for smooth moves in rough terrain. A hydraulic jack secures the axle for solid footing when digging.

Choose from 16 John Deere general-purpose, heavy-duty, and ditching buckets. They feature heavy-duty reinforced booms, T-1 steel sidecutters, two-piece moldboard, and heavy-duty wear strips.

Convenient, low-effort controls give you precise, smooth operation. To save fuel, engine speed is reduced to 1,400 rpm when a hydraulic function is not used for four seconds.
**SPECS**

- **Engine:** John Deere 42/61 with altitude-compensating turbocharger
- **Rated power:** 215 hp @ 2,100 rpm
- **Dipper depth:** 10 ft. 2 in. (3.1 m) arm
- **Swing speed:** 0-14.5 rpm
- **Turning radius:** 23 ft. 7 in. (7.14 m)

**Dimensions**

- **Arm Length:** 10 ft. 2 in. (3.11 m)
- **Maximum reach:** 31 ft. 4 in. (9.56 m)
- **Maximum reach @ ground level:** 30 ft. 8 in. (9.35 m)
- **Maximum digging depth:** 20 ft. 8 in. (6.3 m)
- **Maximum digging depth @ 8 ft. (2.44 m) flat bottom:** 20 ft. 8 in. (6.3 m)
- **Maximum cutting height:** 20 ft. 8 in. (6.3 m)
- **Maximum dumping height:** 20 ft. 8 in. (6.3 m)
- **Minimum swing radius:** 10 ft. 3 in. (3.13 m)
- **Maximum vertical wall:** 17 ft. 11 in. (5.46 m)
- **Tail swing radius:** 8 ft. 1 in. (2.45 m)

**Hydraulic System**

- **Main pump:** 7.4 gpm @ 1,500 psi
- **Pressure setting:** 3,000 psi
- **Boom cylinders:** 2.2 gpm @ 1,500 psi
- **Arm cylinders:** 2.2 gpm @ 1,500 psi
- **Bucket cylinders:** 2.2 gpm @ 1,500 psi
- **Swing motor:** 1.8 gpm @ 1,500 psi

**Stability**

- **Front axle:** 4,350 lb (1,971 kg)
- **Rear axle:** 5,960 lb (2,702 kg)

**Fuel System**

- **Fuel tank:** 66.4 gal (250 L)
- **Cooling system:** 5.6 gal (21 L)
- **Engine lubrication, including filter:** 3.4 gal (13 L)
- **Axle case:** 1.1 gal (4.3 L)

**Electrical**

- **Battery:** 12 volt (72 Ah)
- **Generator:** 3.5 kW

**Operating Weight**

- **Full load:** 52,922 lb (24,000 kg)
- **Arm:** 0.2 tons (0.1 m³)
- **Bucket:** 0.2 tons (0.1 m³)
- **Operator:** 150 lb (68 kg)

**Miscellaneous**

- **Winch:** 9,200 lb (4,175 kg)
- **Cutting edge:** 2,000 lb (907 kg)
- **Blade:** 1,000 lb (454 kg)
- **Reinforcements:** 1,000 lb (454 kg)

**Component Weights**

- **Frame and undercarriage:** 15,543 lb (7,050 kg)
- **Main counterweights (front and rear):** 14,460 lb (6,550 kg)
- **Four stabilizers and tires:** 14,795 lb (6,700 kg)
- **Tires:**
  - 10.00-20, 14 P1 dual (8)
  - 18.00R19.5, 18 P1 single (4)
  - 3,485 lb (1,581 kg)
- **Arm with bucket cylinder and linkage:**
  - 1,908 lb (860 kg)
  - 705 lb (320 kg)
- **Main counterweights:** 5,510 lb (2,500 kg)
**ADDITIONAL EQUIPMENT**

**ENGINE**
- Auto-idle system
- Batteries (two 12 volt), 180-min. (1,250 CCA) reserve capacity
- Dual element dry-type air filter
- Electric ether starting aid
- Enclosed fan guard
- Conforms to SAE J1349
- Engine coolant to -34°F (-37°C)
- Full-flow oil filter
- Isolation mounted
- John Deere quick release fuel filter
- Radiator trash screen
- Underhood muffler with vertical curved end exhaust stack

**HYDRAULIC SYSTEM**
- Auxiliary hydraulic valve section with foot control
- Hydraulic filter restriction indicator kit

**UNDERCARRIAGE**
- Axle, oscillating front with locking hydraulic cylinders
- Hydrostatic propel system with high-low range transmission
- Parking brake, spring applied, air released
- Service brakes, air-over-hydraulic internal expanding shoes
- Stabilizers
  - Four, less blade
  - Two, with blade
- Tires
  - 10.00-20, 14 PR dual (8)
  - 18.00-19.5, 18 PR single (4)

**UPPERSTRUCTURE**
- Air compressor, 100 psi (690 kPa), 15 CFM (700 m³/sec)
- Fully-enclosed swing gears
- Right- and left-hand mirrors

**FRONT ATTACHMENTS**
- Right front mirror
- Vandal locks with ignition key
- Cab door
- Fuel cap
- Service doors

**OPERATOR’S STATION**
- Clock
- Deluxe cloth seat with adjustable armrests
- Front windshield wiper and washer
- Constant speed
- Gauges (illuminated)
- Air pressure
- Engine coolant
- Fuel
- Heater, 13,000 Btu/hr (4.1 kW) with blower fan
- Heater, 20,000 Btu/hr (5.9 kW)
- Horn, electric
- Hourmeter, electric
- Interior light
- Mode selectors
  - Power modes – three
  - Travel modes – two
- Monitor system with alarm features
- Air pressure indicator light with audible alarm
- Auto-idle indicator light

**ELECTRICAL**
- By-pass start safety cover on starter
- Glass fuses
- Positive terminal battery covers

**LIGHTS**
- Park lights
- Tailights
- Work lights
- Halogen
- One mounted on boom
- Two mounted on frame

**Axle lock indicator light**
- Engine air cleaner restriction indicator light
- Engine coolant temperature indicator light
- With audible alarm
- Engine oil pressure indicator light with audible alarm
- Fuel level
- Engine coolant level indicator light
- Hydraulic oil level indicator light
- Hazard indicator light
- High beam indicator light
- Low alternator charge indicator light
- Low fuel indicator light
- Park brake indicator light
- Service brake indicator light
- Turn indicator lights
- Work-lights-on indicator light
- Motion alarm with cancel switch
- Conforms to SAE J994
  - Seat belt, 2 in. (51 mm)
  - Throttle
  - Positive-position hand control
  - Foot control
  - Tinted glass
  - Defroster fan
  - Window vandal protection covers
- 24- to 12-volt D.C. radio converters

**THE JDAdvantage**

JDAdvantage is a wealth of support programs, parts systems, and dealer resources, all designed to give you the edge. This package of special benefits is a major reason why John Deere offers the “best value” for your equipment dollar.

**Best parts support** – Twelve regional parts depots in North America and others around the world put parts support near your job no matter where in the world it is.

A computerized FLASH™ parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast. Usually within 24 hours.

**Best service backup** – Dealer service technicians are regularly schooled, at our modern facility in Davenport, Iowa, or by professionals in the field, to diagnose quickly and repair efficiently.

If they’re stumped, a phone call to DTAC (Dealer Technical Assistance Center) puts them in touch with a staff of pros at the factory who help them find a solution quickly.

**Best dealers** – Your John Deere dealer is an important contributor to the JDAdvantage. He or she is committed to being the best equipment supplier you can work with.

This is a dollars-and-cents commitment in parts inventory, in service facilities, in field-service trucks. It’s a sweat-and-blood commitment in dedicated, skilled, and highly trained and motivated personnel in each and every department at the dealership.

But what sets John Deere dealers apart from all the rest is something more, a factor somewhat difficult to measure…a caring attitude, and a sincere desire to be the best at meeting the needs of each individual customer.

**John Deere Finance Plans** – Whether you rent, lease, or buy John Deere equipment, your dealer can explain the John Deere options available. One-stop options that let you focus on operating capital, keep other lines of credit open. More solid benefits of the JDAdvantage.

**Best protection** – In addition to the new equipment warranty that meets or exceeds the competition, SECURE® extended coverage, an optional service product for John Deere equipment, is available for repair coverage after the warranty concludes. Full machine or power train coverage is available for a variety of time periods to meet your needs. Consult your dealer for availability and details.

---

*Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1940 and 719400920, using 10W-30 oil at 25 APR gravity. Net output is required up to 10,000 ft (3050 m) altitude. Gross power is without cooling fan.*

*Specifications and designs subject to change without notice. Wherever applicable, specifications are in accordance with ANSI and SAE standards. Except where otherwise noted, these specifications are based on a unit with full fuel tank, 150-h. (340 kg) operator, and standard equipment.*