



355D LOADER

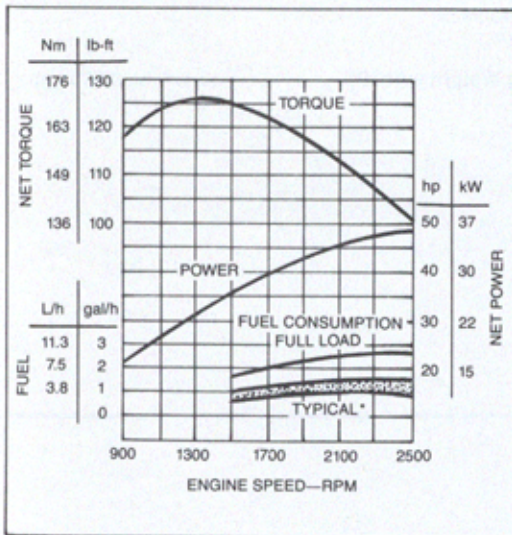
FEATURES

- 48 SAE net hp (36 kW)
- Single-lever loader control
- Hydraulic direction reverser
- Hydraulic track adjustment
- Walk-through compartment
- Self-adjusting, oil-cooled steering clutches and brakes
- Roll-over protective structure (ROPS)
- Vandal protection

ADD VERSATILITY WITH:

- Multipurpose bucket
- Ripper
- Backhoe
- Winch
- Integral log arch
- Basic lumber fork
- Log and pulpwood fork

ENGINE PERFORMANCE



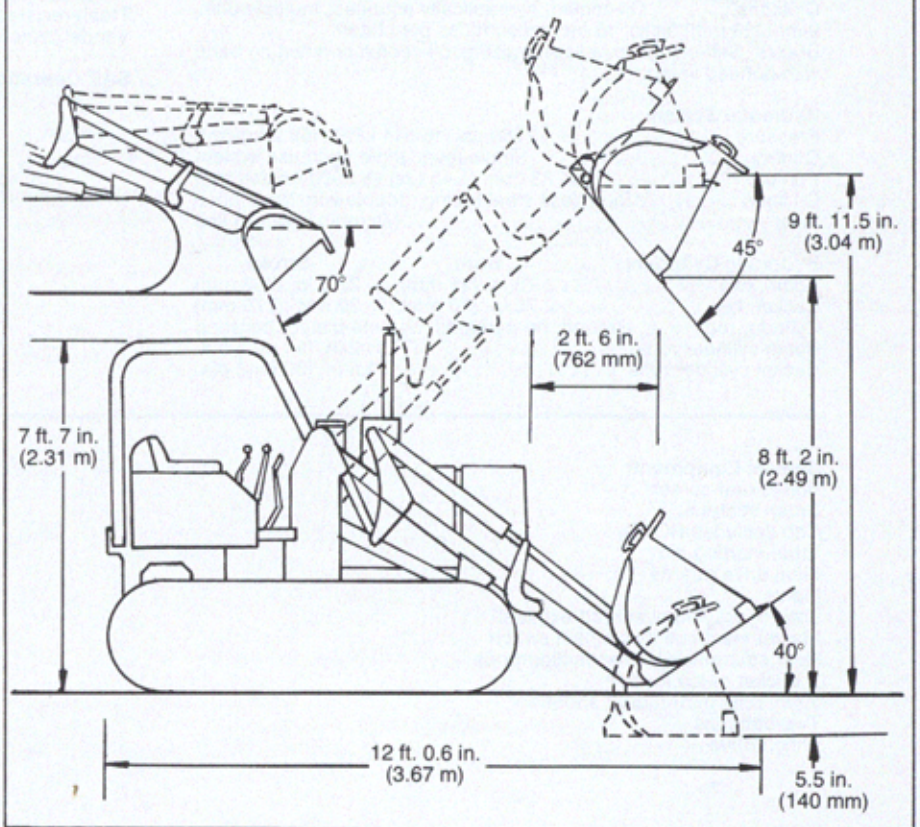
*Depending on operating variables

LOADER SPECIFICATIONS

| Buckets: | SAE Heaped Capacity | Width |
|-------------------------|----------------------------------|-----------------|
| Digging or Multipurpose | ¾ cu. yd. (0.57 m ³) | 66 in. (1.68 m) |

Operating Information:

| | |
|-----------------------|------------------------------|
| Breakout force | 12,100 lb. (54 kN) (5488 kg) |
| SAE tipping load | 7150 lb. (3423 kg) |
| Maximum dumping angle | 50 deg. |
| Raising time | 6.5 sec. |
| Dumping time | 1.5 sec. |
| Lowering time | 4.0 sec. |



355D LOADER SPECIFICATIONS

Specifications and design are subject to change without notice. Wherever applicable, specifications are in accordance with SAE Standards. Except where otherwise noted, these specifications are based on a unit with ¾ cu. yd. (0.57 m³) digging bucket w/teeth, roll-over protective structure, full fuel tank, 175-lb. (80 kg) operator and standard equipment.

| | | |
|--------------------------------|---------------|-----------------|
| Rated Power @ 2500 rpm: | SAE | DIN 6270 |
| Net | 48 hp (36 kW) | 36 kW |
| Gross | 50 hp (37 kW) | |

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6270, using No.2-D fuel @ 35 API gravity. Gross power is without cooling fan.

Engine: John Deere 3-179D

| | | |
|----------------------------------|--|--|
| Type | 4-stroke cycle, naturally aspirated diesel | |
| Bore and stroke | 4.19 x 4.33 in. (106.5 x 110 mm) | |
| No. of cylinders | 3 | |
| Displacement | 179 cu. in. (2.934 L) | |
| Maximum net torque @ 1300 rpm .. | 126 lb-ft (171 Nm) (17.4 kg-m) | |
| Torque rise | 25 percent | |
| Cooling fan | Blower | |
| Compression ratio | 17.8 to 1 | |
| Main bearings | 4 | |
| Lubrication | Pressure system w/full-flow filters | |
| Dual-stage aspirated air cleaner | | |
| w/restriction indicator | Dry | |
| Electrical system | 12-volt w/alternator | |
| Battery (12 volt) | Reserve capacity: 180 minutes | |

Transmission Selective sliding gear

Hydraulic Direction Reverser Multiple-disk oil clutches

Travel Speeds

| Gear | Rev. or Fwd. | |
|------|--------------|------|
| | mph | km/h |
| 1st | 1.4 | 2.3 |
| 2nd | 1.9 | 3.1 |
| 3rd | 3.3 | 5.3 |
| 4th | 6.5 | 10.5 |

Steering:

Steering clutches and brakes are controlled by a single lever for each track. A pedal provides braking, and lockdown for parking. Clutches Oil-cooled, hydraulically actuated, multiple-disk, 9-in. (228 mm) disks; 16 friction surfaces per clutch. Brakes Self-adjusting, self-energizing, oil-cooled contracting band with bonded lining.

Hydraulic System:

| | | |
|-----------------|---|--|
| Pressure | 2250 psi (15 514 kPa) (158.2 kg/cm²) | |
| Control | Single-lever, triple hydraulic system | |
| Pump | Gear, 23 gpm (1.45 L/s) @ 2500 engine rpm | |
| Oil lines | Seamless steel tubing, double-wire braid hose | |
| Filter | Micronic in return line | |

Hydraulic Cylinders:

| | Bore | Stroke |
|----------------------------|---|-------------------|
| Boom, two | 3.75 in. (95 mm) | 27.8 in. (706 mm) |
| Bucket, two | 2.75 in. (70 mm) | 30.5 in. (775 mm) |
| Cylinder rods | Ground, heat-treated, chrome-plated, polished | |
| Boom cylinder rods | 2-in. (51 mm) dia. | |
| Bucket cylinder rods | 1.5-in. (38 mm) dia. | |

Tracks (5-roller track frames w/rock guards):

| | |
|--|-----------------------------------|
| Triple semi-grouser, open center shoes | 12 in. (305 mm) |
| Track shoes, each side | 36 |
| Ground contact area | 1662 sq. in. (10 723 cm²) |
| Ground pressure | 7.2 psi (49.6 kPa) (0.506 kg/cm²) |
| Length of track on ground | 69.3 in. (1.76 m) |
| Track gauge | 48 in. (1.22 m) |
| Carrier roller | 1 |
| Adjustment | Hydraulic |
| Clearance at rear crossbar | 13.25 in. (337 mm) |

Capacities:

| | U.S. | Liters |
|-----------------------------------|-----------|--------|
| Cooling system | 3.25 gal. | 12.3 |
| Fuel tank | 22 gal. | 83 |
| Crankcase, including filter | 9 qt. | 8.5 |
| Transmission—steering clutch | | |
| housings and final drives | 10 gal. | 38 |
| Direction reverser | 12 qt. | 11.3 |
| Loader hydraulic reservoir | 6.4 gal. | 24.2 |
| Loader hydraulic system | 10 gal. | 38 |

Additional Standard Equipment:

Adjustable seat w/armrests
 Boom safety lock bar
 Bottom guard counterweight w/fixed drawbar
 Bucket level indicator
 Electric hourmeter
 Engine sidseshields
 Front and rear bottom guard
 Front hitch
 Horn
 Key switch w/pushbutton start
 Precleaner
 Radiator sand shield
 Return to dig
 ROPS w/canopy and seat belt
 Sprocket weights
 Transistorized voltage regulator
 Trash-resistant radiator
 Vandal protection

SAE Operating Weight w/ROPS 12,400 lb. (5625 kg)

Special Equipment:

Bolt-in rear screen
 Brush screens
 Cab (includes ROPS)
 Ether starting aid
 Final drive guards
 Lights
 Limb risers and overhead exhaust
 Master electrical disconnect switch
 Rear counterweight for multipurpose
 bucket or log loader
 10 in. (254 mm) rubber shoes
 Two batteries
 Winch drive