FEATURES
- 37 SAE net hp, diesel or gasoline (39.3 DIN-PS)
- Turns within its own length
- Hydrostatic 4-wheel drive
- Disk parking brakes
- Instant reversing
- T-bar control of steering, speed and reversing
- Choice of four Quik-Tatch buckets and one pallet fork
- Roll-over protective structure (ROPS)

LOADER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Buckets</th>
<th>Struck Capacity (cu. ft. m³)</th>
<th>Width in. meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth &amp; Foundry</td>
<td>0.283 (0.283)</td>
<td>56 (1.42)</td>
</tr>
<tr>
<td>Earth &amp; Foundry</td>
<td>0.297 (0.297)</td>
<td>61 (1.55)</td>
</tr>
<tr>
<td>Utility</td>
<td>0.340 (0.340)</td>
<td>56 (1.42)</td>
</tr>
<tr>
<td>Fertilizer</td>
<td>0.368 (0.368)</td>
<td>56 (1.42)</td>
</tr>
<tr>
<td>Utility</td>
<td>0.396 (0.396)</td>
<td>65 (1.65)</td>
</tr>
<tr>
<td>Light Materials</td>
<td>0.572 (0.572)</td>
<td>67 (1.70)</td>
</tr>
</tbody>
</table>

Pallet Fork:
- 36 in. (914 mm) tines
- Adjustable 18 to 49 in. (46 to 124 cm) spacing

Operating Information:
- SAE operating capacity: 1350 lb. (612 kg)
- Lift capacity to maximum height: 2500 lb. (1134 kg)
- Lift capacity at carry position: 5000 lb. (2268 kg)
- Breakout force: 2800 lb. (1270 kg)
- SAE tipping load: 2700 lb. (1225 kg)
- Rear clearance circle radius, less bucket: 4 ft. 2.25 in. (1.33 m)
- Overall length, less bucket: 7 ft. 1 in. (2.16 m)
- Overall width, less bucket: 4 ft. 11.5 in. (1.51 m)
- Wheel tread: 48.75 in. (1.24 m)

Hydraulic System:
- Pressure: 2000 psi (137.9 bar) (140.6 kg/cm²)
- Control: Dual-pedal, double hydraulic system
- Pump: Gear, 15 gpm (56.8 L/min) @ 2900 engine rpm
- Oil lines: Welded JIC steel tubing; single-wire-braid hose
- Filter: 10-micron paper cartridge in suction line

Hydraulic Cylinders:
- Bore: 2.5 in (63 mm)
- Stroke: 4 ft. 11.5 in (1.51 m)
- Cylinder rods: Ground, heat-treated, chrome-plated, polished
- Boom cylinder rods: 1.5 in. (38 mm) dia.
- Bucket cylinder rods: 1.25 in. (32 mm) dia.
JD24-A LOADER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are for a unit equipped with 10 cu. ft. (0.28 m³) earth and foundry bucket and standard equipment.)

**Power (@ 2800 engine rpm):**

**Gasoline**

<table>
<thead>
<tr>
<th>SAE</th>
<th>DIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>37 (27.6 kW*)</td>
<td>39.3 PS</td>
</tr>
</tbody>
</table>

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator, and muffler. Gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 500-altitude and 85° F. temperature and DIN 79 020 standard conditions of 760 mm Hg barometer (sea level) and 20° C. temperature.

In the International System of Units (SI), power is expressed in kilowatts (kW).

**Engine:** Continental Y-112, 4-cylinder, 4-stroke cycle, gasoline

- Bore and stroke: 3.19 x 3.5 in. (81 x 89 mm)
- Piston displacement: 112 cu. in. (1835 cm³)
- Compression ratio: 6.07 to 1
- Maximum torque @ 1500 rpm: 90 lb-ft (122 Nm) (12.4 kg-m)
- NACC or AMA (U.S. Tax) horsepower: 16.28

**Lubrication:** Pressure system with full-flow filter

**Cooling fan:** Suction

**Air cleaner w/restriction indicator:** Dry

**Electrical system:** 12-volt w/alternator

**Power (@ 2800 engine rpm):**

**Diesel**

<table>
<thead>
<tr>
<th>SAE</th>
<th>DIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>37 hp (27.6 kW)</td>
<td>39.3 PS</td>
</tr>
</tbody>
</table>

**Engine:** Isuzu C-190, 4-cylinder, 4-stroke cycle, diesel

- Bore and stroke: 3.39 x 3.31 in. (86 x 84 mm)
- Piston displacement: 119 cu. in. (1950 cm³)
- Compression ratio: 20 to 1
- Maximum torque @ 2000 rpm: 80 lb-ft (108 Nm) (11.1 kg-m)
- NACC or AMA (U.S. Tax) horsepower: 18.38

**Lubrication:** Pressure system with full-flow filter

**Cooling fan:** Suction

**Air cleaner w/restriction indicator:** Dry

**Electrical system:** 12-volt w/alternator

**Drive System:**

Two hydrostatic pumps with variable angle swash plates and two hydrostatic motors with fixed angle swash plates.

**Final Drives:**

- Axle: 2.375 in. (60 mm) dia., one-piece forged steel
- Chains: Primary drive, No. 50; final drive, No. 80 (standard)

**Travel Speeds:**

<table>
<thead>
<tr>
<th>mph</th>
<th>km/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6.5</td>
<td>0-10.5</td>
</tr>
</tbody>
</table>

**Steering:** T-bar control

**Tires:** 10-16.5, steel-cap, 4-ply-rating or wheels and 6.50-16, lug tread, solid rubber tires

**Capacities:**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Liters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>24 gal.</td>
</tr>
<tr>
<td>Engine lubrication, including filter, gas</td>
<td>5 qt.</td>
</tr>
<tr>
<td>Engine lubrication, including filter, diesel</td>
<td>5.25 qt.</td>
</tr>
<tr>
<td>Loader hydraulic system</td>
<td>18 gal.</td>
</tr>
<tr>
<td>Cooling system</td>
<td>12 qt.</td>
</tr>
</tbody>
</table>

**Additional Standard Equipment:**

- Counterweights
- Seat belt w/retractors
- Deluxe seat
- ROPS w/canopy and wire mesh screens
- 3-way braking system
- Quik-Tatch bar
- Disk parking brakes
- Belly pan
- Engine heat shield
- Fuel gauge
- Ammeter
- Hourmeter
- Water temperature gauge
- Oil pressure gauge

**SAE Operating Weight:**

w/earth and foundry bucket: 5483 lb. (2487 kg)

**Shipping Weight:**

- Buckets:
  - Earth and Foundry (10 cu. ft.): 295 lb, 134 kg
  - Earth and Foundry (10.5 cu. ft.): 330 lb, 150 kg
  - Utility (12 cu. ft.): 370 lb, 169 kg
  - Utility (14 cu. ft.): 402 lb, 182 kg
  - Fertilizer: 368 lb, 167 kg
  - Light Materials: 415 lb, 188 kg
  - Pallet fork (w/mounting frame): Two 36 in. (914 mm) tines: 440 lb, 200 kg
### JD24-A LOADER BUCKET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Buckets</th>
<th>Earth and Foundry</th>
<th>Earth and Foundry</th>
<th>Utility</th>
<th>Fertilizer</th>
<th>Utility</th>
<th>Light Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 cu. ft.</td>
<td>10.5 cu. ft.</td>
<td>12 cu. ft.</td>
<td>13 cu. ft.</td>
<td>14 cu. ft.</td>
<td>20.2 cu. ft.</td>
</tr>
<tr>
<td></td>
<td>(0.283 m³)</td>
<td>(0.297 m³)</td>
<td>(0.340 m³)</td>
<td>(0.368 m³)</td>
<td>(0.396 m³)</td>
<td>(0.572 m³)</td>
</tr>
<tr>
<td>A</td>
<td>9 ft. 7.5 in.</td>
<td>9 ft. 7.5 in.</td>
<td>9 ft. 10.5 in.</td>
<td>9 ft. 11.5 in.</td>
<td>10 ft. 2 in.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2.93 m)</td>
<td>(2.93 m)</td>
<td>(2.99 m)</td>
<td>(3.04 m)</td>
<td>(3.10 m)</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>1 ft. 4.25 in.</td>
<td>1 ft. 4.25 in.</td>
<td>1 ft. 7.44 in.</td>
<td>1 ft. 7.4 in.</td>
<td>1 ft. 10.6 in.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(418 mm)</td>
<td>(418 mm)</td>
<td>(494 mm)</td>
<td>(493 mm)</td>
<td>(574 mm)</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>7 ft.</td>
<td>7 ft.</td>
<td>7 ft.</td>
<td>6 ft. 9.6 in.</td>
<td>6 ft. 9.6 in.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(2.13 m)</td>
<td>(2.13 m)</td>
<td>(2.13 m)</td>
<td>(2.07 m)</td>
<td>(2.07 m)</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>32 deg.</td>
<td>32 deg.</td>
<td>32 deg.</td>
<td>31 deg.</td>
<td>32 deg.</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>37 deg.</td>
<td>37 deg.</td>
<td>37 deg.</td>
<td>37 deg.</td>
<td>37 deg.</td>
<td></td>
</tr>
</tbody>
</table>

- **A.** Overall length with bucket
- **B.** Reach at max. height, bucket at full dump
- **C.** Clearance, bucket at full dump
- **D.** Bucket rollback
- **E.** Max. dumping angle

**Special Equipment:**
- Lights
- Boom lock assembly
- Horn
- Rear hitch
- Auxiliary hydraulic valve

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![Diagram of JD24-A LOADER](image-url)