**762A SCRAPER**

Model shown may include options.

**ENGINR PERFORMANCE FEATURES**

- **Nm** 762 A SCRAPER: 786 732 624 569
- **Ib-ft** 580 540 460 420

**TORQUE**

- **hp** 134 119 104 89 73
- **kW** 100 89 75

**POWER**

- **lbf/100 hph** 0.45 0.40 0.35
- **g/kWh** 1100 1300 1500 1700 1900 2100

**FEATURES**

- 175 SAE net hp (130 kW) turbocharged and intercooled John Deere diesel engine
- 11 cu. yd. (8.4 m³) heaped capacity
- Self-loading
- Positive hydraulic full-load ejection
- Hydrostatic variable-speed, reversible elevator
- Closed-center hydraulic system with variable-displacement piston pump
- Hydraulic differential lock-unlock
- Fully automatic 6-speed Power Shift transmission w/automatic torque converter lockup
- Position-responsive power steering and power brakes
- Rollover protective structure (ROPS) w/cab or canopy and seat belt
- Vandal protection
- Tractor and scraper fenders standard
- Exclusive sealed elevator chain available as an option
**762A SCRAPER SPECIFICATIONS**

(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 a unit with 23.5 x 25, 16-PR tires, ROPS canopy, full fuel tank, 175 lb. (79 kg) operator, and all standard equipment.)

**Capacity (SAE hp rated):**

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Volume</td>
<td>11 cu. yd. (8.4 m³)</td>
</tr>
<tr>
<td>Total weight of payload</td>
<td>2500 lb/yard³ (1483 kg/m³)</td>
</tr>
<tr>
<td>Rated Power @2100 rpm</td>
<td>27,500 lb. (12,474 kg)</td>
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<tr>
<td>SAE DIN 70 020</td>
<td></td>
</tr>
<tr>
<td>Net</td>
<td>175 hp (130 kW)</td>
</tr>
<tr>
<td>Gross</td>
<td>190 hp (142 kW)</td>
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Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan. All standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 40 API gravity. No derating is required up to 7500 ft. (2290 m) altitude. Gross power is without cooling fan.

**Engine:** John Deere 6-466A

- Type: 4-stroke cycle, turbocharged and intercooled diesel
- Bore and stroke: 4.56 x 4.75 in. (116 x 121 mm)
- Displacement: 466 cu. in. (7,638 L)
- Compression ratio: 14.9 to 1
- Maximum net torque @1300 rpm: 570 lb-ft (773 Nm) (78.8 kg-m)
- Lubrication: Pressure system with full-flow filter

**Transmission:**

- Planetary Power Shift: 6 forward, 1 reverse speeds
- Microprocessor controlled, fully automatic shift with modulation

**Differential Lock:**

- Foot-operated, hydraulically actuated

**Drive Axle:**

- Differential drive; overall ratio 28.94 to 1
- Axle lubrication and differential lock actuation

**Power Steering:**

- Position-responsive

**Brakes:**

- Hydraulic, power actuated. An accumulator provides several brake applications after engine is stopped

**Suspension:**

- Wet-disc between differential and planetaries
- Reversing capability

**Scraper:**

- Expanding shoe, self-adjusting, in wheels

**Steering: 2 in. (51 mm) reversible and replaceable, high-carbon steel. Each section is adjustable 2 in. (51 mm) forward and aft of center section.

**Additional Standard Equipment:**

- Deluxe suspension seat
- Air conditioner
- Cab panels
- Fender extensions and mud flaps for scraper wheels
- Heat control
- Heats for cutting edge
- Extended side flaps
- Ejector gate spall screen

**Power Generation:**

- Engine: 190 hp (142 kW) (25-micron filters)
- Generator: 130 kVA (10-micron filters)

**Hydraulic Cylinders:**

- Lift (2): 4.5 in. (114 mm) 18 in. (457 mm)
- Sliding floor (1): 5.25 in. (133 mm) 30.1 in. (765 mm)
- Elevator (2): 2.5 in. (64 mm) 34.8 in. (884 mm)
- Steering (2): 3.5 in. (89 mm) 23.89 in. (605 mm)

**Elevator:**

- Reversible, hydrostatic-drive with triple gear reduction. A sealed elevator chain is optional for extended chain life

**Cutting Edge:**

- 7 ft. 6 in. (2.29 m) wide; 3 sections, reversible and replaceable, high-carbon steel. Each section is adjustable 2 in. (51 mm) forward and aft of center section.

**Tires:**

- 23.5-25, XRAT steel-cord radial
- 23.5-25, 16-PR, E2
- 23.5-25, 16-PR, E3
- 23.5-25, 20-PR, E2

**Capacities:**

- U.S. Gallons
- Liters
- Cooling system: 9 gal. (34.1 L)
- Fuel tank: 72 gal. (272.5 L)
- Engine lubrication w/filter: 19 qt. (18 L)
- Transmission w/filter: 13 gal. (49 L)
- Differential case w/filter: 23 qt. (21.8 L)
- Hyd. system w/hyd. filter and elevator filter: 12 gal. (45.4 L)
- Elevator gearcase: 13 qt. (12.6 L)

**Weight Distribution:**

- Empty: Drive axle: 22,790 lb. (10,337 kg)
- Scraper axle: 12,710 lb. (5,765 kg)
- Total: 35,500 lb. (16,102 kg)

**Systems:**

- Hydraulics: 30-micron filters
- Electrics: 10-micron filters
- Transmission: 10-micron filters
- Engine: 25-micron filters
- Differential: 10-micron filters

**Transmissions:**

- Gear pump: 24 gpm (0.82 US) @2100 engine rpm.
- Main charge pump delivers 13 gpm (0.82 US) @2100 engine rpm.
- Main charge pump delivers 34.6 gpm (2.18 US) @2100 engine rpm.
- Main pump delivers 24 gpm (1.5 US) @2100 rpm for transmission lubrication, torque converter charge and transmission shift actuation.

**Torque Converter:**

- Two-stage single stage with 2.30 to 1 multiplication ratio, free-wheeling stator lockup clutch and automatic control.

**Elevator gearcase:**

- Drive: 10-micron filters
- Differential: 10-micron filters

**Lubrication:**

- Pressure system with full-flow filter

**Filtration:**

- All systems are protected by replaceable filters.
- Main hydraulic system: 10-micron filters
- Elevator system: 10-micron filters

**Additional Standard Equipment:**

- Deluxe suspension seat
- Air conditioner
- Cab panels
- Fender extensions and mud flaps for scraper wheels
- Heat control
- Heats for cutting edge
- Extended side flaps
- Ejector gate spall screen

**Special Equipment:**

- Deluxe suspension seat
- Air conditioner
- Cab panels
- Fender extensions and mud flaps for scraper wheels
- Heat control
- Heats for cutting edge
- Extended side flaps
- Ejector gate spall screen
762A SCRAPER VEHICLE PERFORMANCE*

To calculate gradability performance: Read down from vehicle weight to the percent of total resistance. (Total resistance equals actual percent of grade plus one percent for each 20 lb./ton of rolling resistance.) From this weight-resistance point, read straight across to the curve with the highest obtainable speed range, then down to maximum speed. Usable rimpull is affected by traction available and weight on drive wheels.

*Ambient temperature, length of haul and weight of material moved could affect the tire ton-mph capacity. To prevent premature tire failure under adverse working conditions, consult the tire manufacturer.
762A SCRAPER DIMENSIONS

### BOWL AT GROUND LEVEL

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<thead>
<tr>
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<tbody>
<tr>
<td>A</td>
<td>32 ft. 9.5 in. (10 m)</td>
<td>32 ft. 2.5 in. (9.81 m)</td>
</tr>
<tr>
<td>B</td>
<td>21 ft. 0.25 in. (6.40 m)</td>
<td>20 ft. 4.1 in. (6.20 m)</td>
</tr>
<tr>
<td>C</td>
<td>12 ft. 11.5 in. (3.95 m)</td>
<td>13 ft. (3.96 m)</td>
</tr>
<tr>
<td>D (axle clearance)</td>
<td>18.5 in. (470 mm)</td>
<td>18.5 in. (470 mm)</td>
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<tr>
<td>E</td>
<td>—</td>
<td>17.25 in. (438 mm) w/o teeth</td>
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<tr>
<td></td>
<td></td>
<td>15.50 in. (394 mm) w/teeth</td>
</tr>
<tr>
<td>F</td>
<td>9 ft. 10 in. (3 m)</td>
<td>9 ft. 4 in. (2.84 m)</td>
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<tr>
<td>G</td>
<td>8 ft. 7 in. (2.62 m)</td>
<td>9 ft. 6 in. (2.89 m)</td>
</tr>
<tr>
<td>H (trans. clearance)</td>
<td>17.12 in. (435 mm)</td>
<td>21.9 in. (596 mm)</td>
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