versatility in a rugged on/off road vehicle

The power of the 82.5 BHP engine is put on the ground through a synchronized four-speed transmission, a two-speed transfer case and the two planetary axles. Draw bar pull is nearly seven tons and trees up to six inches are easily pushed aside. Even at full payload the Doodlebuggy will negotiate steep grades.

power

From the comfort of an adjustable cushioned seat the operator guides the machine with full-power steering with hydraulic brake and clutch controls. The full coverage canopy protects the operator from broken limbs or other falling objects and from the direct effect of the elements, maintaining excellent visibility.

safety and comfort

A heavy cargo dock area of 28 square feet will carry a four ton load on standard tires. Standard tires are 18.4/15-26 Rice and Cane lug Special Service, 6 ply.

payload capacity
The Doodlebuggy has all of the features of special-purpose machines—four-wheel drive, heavy duty planetary axles*, pivot center steering—without the limitations imposed by specialization. This built-in versatility makes it suitable for all-round operation on rough terrain in geophysical exploration, oil field site work, construction, log skidding and farming.

The Doodlebuggy will move off the road through (or over) mud, snow, muskeg, sand, streams, swamps, up or down hills and through undergrowth. On the road it has sufficient speed to extend its usefulness to include tasks that combine on and off road requirements.

*No-spin feature optional

With a ±46° frame articulation and ±20° rear axle oscillation the Doodlebuggy will turn in less than its own length. Ground clearance is 24" at the center pivot. Frame and steering geometry is such that the rear wheels track the front wheels. The hydraulic power steering allows the operator to duck-walk or fish-tail the machine out of even the tightest spots.

Heavy, V-shaped brush guards protect both front and rear frames. Both differentials are similarly protected. The Doodlebuggy is a real "stump-jumper" and can slide off rocks and crash through the brush without fear of damage. The high ground clearance and axle oscillation subdue obstacles with ease.

A front-mounted 12,000 lb. capacity winch* adds even more versatility. Even if the going gets too rough for the wheels the winch can be used to winch the machine and load. The winch is complete with 100' of ½" cable, tail chain and hook. Heavy-duty fairleads protect the chain and cable. Rear power take-off is available for driving auxiliary equipment. Standard machine colors are yellow—black trim. Special trim and paint colors are also optional at extra cost. *Winch is optional
SPECIFICATION — MURPHY DODGEBUGGY — STANDARD UNIT — OPTIONAL FEATURES LISTED

Payload—6,000 lbs. max. with Standard Tires.

Vehicle Weight—(Unloaded)—6,200 lbs.

GVW with Payload—A. Front Axle—5,816 lbs.
B. Rear Axle—10,660 lbs.
C. Total—16,266 lbs.

Engine—Ford gasoline, 6 cylinder, 240 cu. in., 85.5 BHP @ 2500 RPM, Compression Ratio 8.75:1, Bore 4.09" x Stroke 3.18", 12V Electric Starter, Generator & Voltage Regulator, Diesel Governor, Heavy Duty Radiator, Oil Bath Air Cleaner, Std. Fuel & Oil Filters, including other equipment for a complete power unit.

Gear Train—A. Transmission—Manual Shift: 4 speeds forward, one reverse; synchronized gears.
B. Transfer Case—Two-Speed.
C. With Transmission and Transfer Case 8 speeds forward and two speed reverse.

*Axles—Full Planetary—Front & Rear, 20:1 ratio.

Brakes—Hydraulic Disc Brake in Drive Line with Hydraulic Brake lock for parking.

Electrical System—12 Volt with 30 AMP-Hour Heavy Duty Battery.

Instruments—Ammeter, Oil Pressure Gauge, Water Temperature Gauge, Key Switch Ignition.

*Tires & Wheels—18.4/155-26, 6-Ply with Heavy Duty Reinforced Reversable Rim, Air Pressure—16 PSI—Rice & Cane Lug—Special Service.

Cargo Deck Area—28 sq. ft.

Frame—Steel, Articulated Center Pivot for Steering plus Heavy-Duty Trolley for Rear Frame Oscillation.

Steering—Double Cylinder Hydraulic Power Steering.

Drawbar Pull—A. Dry Land—13,500 lbs. Max. in low gear in low range at Maximum Payload.
B. Drawbar HP—66

Turning Radius—A. Inside Tires 7 ft.
B. Outside Tires 15 ft.

Overall Width—50" (1270 mm)
Tread Width—74" (1880 mm)

Overall Length—22" (560 mm)
Wheel Base—112½" (2860 mm)

Overall Height—(To top of Canopy)—99" (2514 mm)

Ground Clearance—24" (610 mm) to Pivot.

Maneuverability—A. Back Axle Oscillation ± 20°
B. Articulation ± 40°

Fuel Tank Capacity—105 gallons

Maximum Forward Ground Speed at Maximum Engine RPM—With Transfer Case in High Range—22.7 MPH
With Transfer Case in Low Range—12.1 MPH

Minimum Forward Ground Speed at Maximum Engine RPM—With Transfer Case in High Range—3.4 MPH
With Transfer Case in Low Range—1.81 MPH

Standard Features—A. Heavy Duty Bottom Brush Guards, Front and Back.
B. Four Wheel Drive.
C. Deluxe Operator's Seat.
D. Standard Paint—Yellow—Back Trim.

*Optional Equipment—
1. Tires: A. 18.4 x 26 (10 Ply)
B. 23.1 x 26 (6 Ply)
C. Other Special Tires on request.

2. Hourmeter.

B. Special Color and Trim Schemes price on request.

4. Axles: A. No spin on front
B. No spin front and rear

5. Winch: 12,000 lb. Capacity with 100 ft. 1/2" Cable.
Tail Chain and Hook. Includes Extra Heavy-Duty Special Fairleads.

**TIRE SPECIFICATIONS**

| SIZE & WIDTH | OUTSIDE DIA. X WIDTH | ROLLING RADIUS | HARD SURFACE CONTACT AREA | GROUND PRESSURE AT 6 PSI PENETRATION
<table>
<thead>
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<tbody>
<tr>
<td>18.4 x 26 6 Ply Rice &amp; Cane</td>
<td>58.3 x 18.5</td>
<td>25.9</td>
<td>272 sq. in.</td>
<td>5.66 psi</td>
</tr>
<tr>
<td>18.4 x 26 10 Ply Rice &amp; Cane</td>
<td>58.3 x 18.5</td>
<td>25.9</td>
<td>272 sq. in.</td>
<td>5.66 psi</td>
</tr>
<tr>
<td>23.1 x 26 8 Ply Rice &amp; Cane</td>
<td>66.2 x 23.2</td>
<td>29.1</td>
<td>342 sq. in.</td>
<td>4.5 psi</td>
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