800V Series (Gasoline/Propane/Diesel)
Tow Tractors

Note: Shown with Optional Deluxe Cab.

SERIES 800V
Model 830, 840, 850, 855VG6E (Gasoline)
Model 830, 840, 850, 855VG6E-LP (Propane)
Model 830, 840, 850, 855V-D-C (Diesel)

All of our Tow Tractors complies with ANSI B56.9 Standards.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DRAW BAR PULL</th>
<th>WEIGHT</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>POUNDS</td>
<td>NEWTON’S</td>
</tr>
<tr>
<td>830V</td>
<td>3,000</td>
<td>13,345</td>
</tr>
<tr>
<td>840V</td>
<td>4,000</td>
<td>17,793</td>
</tr>
<tr>
<td>850V</td>
<td>5,000</td>
<td>22,240</td>
</tr>
<tr>
<td>855V</td>
<td>6,000</td>
<td>26,690</td>
</tr>
</tbody>
</table>

Drawbar pull is the ultimate start up pull on dry, freshly swept concrete, and on a level surface. If used on ramps or inclines the drawbar pull will be affected.
Tow Tractors built ruggedly for long service life.

All Mercury tow tractors feature a one-piece welded frame designed to protect components through a long service life, with reinforcement at high stress areas.

The rugged one-piece frame features a massive 3” (76.2 mm) rear bumper, and .75” (19.05 mm) front bumper. Fenders and entry step are an integral part of the frame. Low profile hood tapers forward and slopes down for better visibility. Easy lift hood makes service easier.

Leaf spring suspension, with bronze bushings is a feature unique to A & G Mercury Tow Tractors, which provides a smooth ride and reduces shock loads to steering system.

Standard hydraulic power assist steering is mechanically connected to the steering axle for manual steering in case of pressure failure.

Four-wheel disc brakes are hydraulic power assisted with dual split chamber master cylinder, front and rear independent with nitrogen charged accumulator for power assist in case of hydraulic failure.

Standard colors are Safety Yellow, and Safety Orange.

One Piece Welded Frame with integral bumpers.

Leaf Spring Suspension Steer Axle

Heavy duty drive axle with high capacity disk brakes.

Dash and Instrument Panel shown above is equipped with optional Tilt/Telescoping Steering Column.
**Standard Features/Specifications**

**Standard Engine V6 4.3L**
- Make & Model: GM 4.3L V6
- Type of Fuel: Gas/LP
- Number of Cylinders: V-6
- Compression Ratio: 9:1
- Bore & Stroke: 4.00” x 3.48” (101.6 mm x 88.39 mm)
- Displacement: 4.3 L (262 CID)
- Valve Configuration: Pushrod
- Actuated Overhead Valves
- Valve Lifters: Hydraulic Roller
- Horsepower: 135 hp @ 3000 rpm
- Torque: 243 Ft.-Lbs. @ 2200 rpm
- Fuel Pump: Electrical
- Fuel Delivery: SEFI (Gasoline), Carbureted (Propane)
- Oil Filter: Replaceable spin-on
- Oil Pan Capacity: 4.5 qt with filter
- Air Filter: Replace dry type element
- Cooling System: Pressurized 7 psi
- Ignition: Electronic Distributorless Engine
- Engine Rotation: Clockwise (From the front)

**Optional Diesel Engine**
- Make & Model: Cummins B.3.3 Turbo
- Number of Cylinders: 4
- Compression Ratio: 17.3:1
- Bore & Stroke: 3.74” x 4.53” (95 mm x 115 mm)
- Displacement: 3.3 L (199 CID)
- Horsepower: 85 hp @ 2600 rpm
- Torque: 215 Ft.-Lbs. @ 1600 rpm
- Fuel Pump: Bosch Mechanical
- Oil Filter: Replaceable spin-on
- Air Filter: Replace dry type element
- Cooling System: Pressurized 7 psi

**Electrical**
- System Voltage: 12 Volts
- Battery: 550 cca @ 32° F (0° C)
- Alternator: 95 Amps (4.25 L)
- Engine Rotation: Clockwise (From the front)

**Steam**
- Hydraulic with 15” (381 mm) diameter steering wheel

**Drive Axle**
- Type: Rigid, full float Carrier-type housing
- Gears: Hypoid, with 10.5” (267 mm) dia. ring gear
- Total Gear Reduction: 17.09:1
- G.A.W. rating: 6,000 lb (2727 kg)

**Steer Axel**
- Type: Fabricated bar stock axle beam with cast steel knuckles and inclined king pins with bronze bushings.

**Brakes**
- Type: Hydraulic power assist with split dual chamber master cylinder, front and rear independent with nitrogen accumulator for reserve power assist.
- Front Rotor: 7” (275 mm) diameter
- Rear Rotor: 12.5” (318 mm) diameter
- Parking: Mechanical disc type on drive input, with over center type adjustment control

**Suspension**
- Type: Semi-elliptical leaf spring on both axles
- Pivot Pins: Lubricated with bronze bushings

**Travel Speed (No Load)**

<table>
<thead>
<tr>
<th></th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>Rev.</th>
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<tr>
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<td>10.9</td>
<td>15.9</td>
<td>7.3</td>
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<tr>
<td>KMPH</td>
<td>10.4</td>
<td>17.4</td>
<td>25.4</td>
<td>11.7</td>
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</table>

**Optional Equipment**

- Deluxe Cab
- Economy Cab
- Overhead Guard
- Backup Alarm
- Hitch Release Inside Operators Compartment
- Tie Down and Lift Brackets
- Strobe Light, Amber or Blue
- Flashing Light, Amber
- Seat Belt
- Grammer Suspension Seat 
- Cloth
- Side View Mirrors
- Spark Arrestor
- Spare Tire & Wheel 1 Front & 1 Rear
- Tool Box
- LPG Fuel (Tank Not Included)
- Passenger Seat
- Turn Signals
- Tilt/Telescoping Steering Column
- Reflectors
- Special Paint (Standard Colors are Safety Yellow & Safety Orange)

**Tires**
- Foam Filled
- Pneumatic
- Solid Pneumatic
- Non Marking Solid Pneumatic

**Hitches**
- 2.5/16” (58.74 mm) Ball Hitch
- A & G Mercury H.D. Jaw Hitch
- E-Hitches
- ZB98
- Eye
- Pintle

Note: All Gas/Diesel engines will have a removable fuel tank, with 1/8” (3.18 mm) wall thickness, and manufactured with stainless steel plate, with 15 gal (56.78 L) capacity.
### DIMENSIONS, MODEL 800VE

<table>
<thead>
<tr>
<th>CODE</th>
<th>INCHES</th>
<th>MM</th>
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<tr>
<td>P for Model 855V</td>
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<td>1,829</td>
</tr>
</tbody>
</table>

Outside Turning Radius: 114” (2,896 mm)
Intersecting Aisle: 88” (2,235 mm)
Standard Hitch Height: 12” (305 mm)

Specifications subject to change without notice.

Under the hood accessibility for maximum convenience is an important feature which is engineered into all A & G Mercury Tow Tractors.