



**1000 Series (Gasoline/Propane/Diesel)  
Tow  
Tractors**

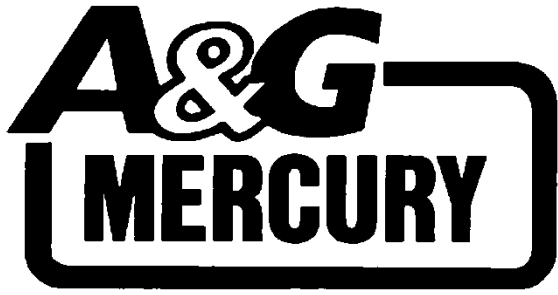


**SERIES 1000**  
**Model 80, 100, 120 E-Gas**  
**Model 80, 100, 120 E -LP**  
**Model 80, 100, 120 D-C Diesel**

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

MODEL	DRAW BAR PULL		WEIGHT	
	POUNDS	NEWTON'S	POUNDS	KILOGRAMS
80	8,000	35,587	11,300	5,125
100	10,000	44,484	12,500	5,670
120	12,000	53,379	13,800	6,260

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.

A & G Mercury Model 80, 100, & 120 are rugged, highly maneuverable, heavy duty gasoline, propane, or diesel powered tractors designed and constructed to move extra heavy loads efficiently and economically. They provide maximum performance at low operating cost. Compare these features:

### Standard Equipment

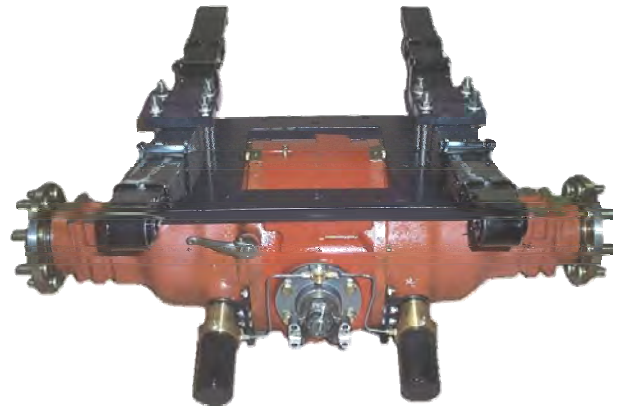
Lighting package includes 2 headlights, 2 taillights, & 2 backup lights. Instrument pane with volt meter, hour meter, anti-restart key switch, oil & temperature gauges, light switch and if gas or diesel a fuel gauge. Other equipment would be horn, 650 C.C.A. battery, standard cushion seat, power steering and hydraulic assist brakes, parking brake, and standard P-R-N-D-L shifter. Standard paint colors are Safety Yellow and Safety Orange.



The rugged one piece frame features a massive 6" (152.4 mm) thick rear bumper and 1" (25.4 mm) thick front bumper. Fenders and steps are an integral part of the frame.



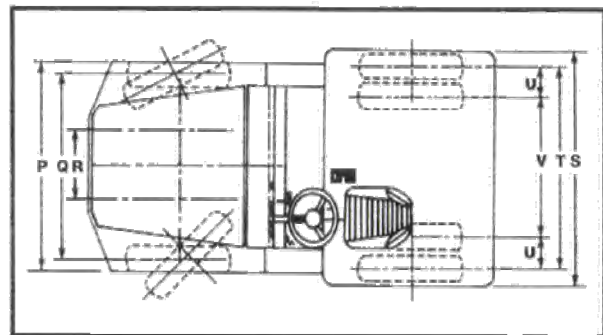
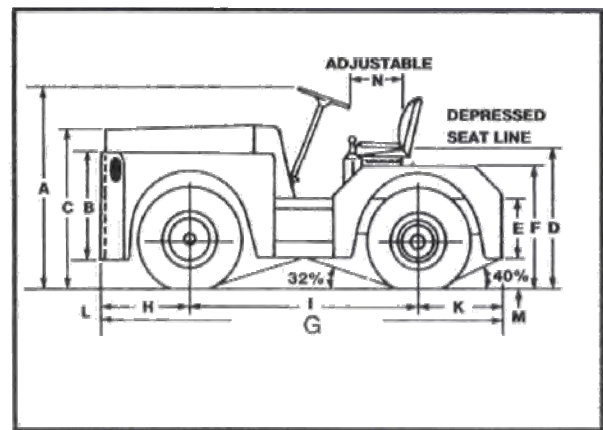
Leaf Spring Suspension Steer Axle



The heavy duty drive axle features inboard planetary reduction with 2.375" (60.3 mm) dia. axle shafts and multiple wet disc brakes, 4 discs per side for a total braking area of 224 sq in (1445 sq mm). The bronze discs are oil cooled for long life.

Standard Features/ Specifications		Optional Equipment															
<p><b>Standard Engine V6 4.3L</b>  Make &amp; Model ..... GM 4.3L V6  Type of Fuel ..... Gas/LP  Number of Cylinders ..... V-6  Compression Ratio ..... 9.4:1  Bore &amp; Stroke ..... 4.00"x3.48"  (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 (101kw)  @ 30000 rpm  Torque ..... 243 Ft.-Lbs. (330 NM)  @ 2200 rpm  Fuel Pump, Gasoline ..... 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</p> <p><b>Standard Transmission</b>  Type .....(Remanufactured) Ford C-6  Automatic planetary gear  Speeds ..... 3 Speed Forward,  1 Reverse  Ratio's ..... 1<sup>st</sup> 2.46, 2<sup>nd</sup> 1.46, 3<sup>rd</sup> 1.00  Reverse 2.18  Torque Converter ..... Single Stage  3 Element, 2.3 Stall Ratio  Cooling ..... Integral Radiator</p> <p><b>Optional Diesel Engine</b>  Make ..... Cummins QSB4.5 Turbo  Number of Cylinders ..... 4  Compression Ratio ..... 17.2:1  Bore &amp; Stroke .....4.21"x4.88"  (107mm x 124 mm)  Displacement ..... 4.5 L (275 CID)  Horsepower ..... 110 hp (82 kw)  @ 2500 rpm  Torque ..... 360 Ft.-Lbs. (488 NM)  @ 1500 rpm  Fuel Pump ..... Bosch Electronic  Oil Filter ..... Replaceable spin-on  Air Filter... Replace dry type element  Cooling System ..... Pressurized 7 psi</p> <p><b>Steering</b>  Hydraulic with 15" (381 mm)  diameter steering wheel.</p>	<p><b>Electrical</b>  System Voltage ..... 12 Volts  Battery .....660 cca @ 32° F (0° C)  Alternator ..... 95 Amps (6.42L);  60Amps (Diesel)  Dual halogen headlights, Stop/Tail/  Backup lights are all recessed. Horn,  Volt Meter, Oil &amp; Temperature gauges  as well as Fuel gauge on fuel powered  vehicles</p> <p><b>Drive Axle</b>  Type ..... Rigid inboard planetary  Gears ..... Epicyclic with double  reduction  Ratio ..... Ring and Pinion 3.5:1  Planetary 4.5:1  Overall 23.7:1  G.A.W. Rating ..... 25,000 lbs  (11,340 kg)</p> <p><b>Steer Axle</b>  Type .....3.5" (889 mm) with forged  ends and inclined king pins with  bronze bushings.  Heavy Duty 8 bolt wheel mounts  G.A.W. Rating .....5,900 lbs(2,682 kg)</p> <p><b>Brakes</b>  Type ..... Hydraulic power assist  with split dual chamber master  cylinder, front and rear independent  with nitrogen accumulator for reserve  power assist in event of pressure loss.  Front .....Hydraulic dry disc with 13"  (330 mm) rotor and 2.6" (66 mm)  piston.  Rear .Hydraulic multiple 8 (4 per side)  wet disc brakes. Sealed and oil  lubricated.  Parking Brake ..... Mechanical drum  type on transmission output shaft  with adjustable over center hand  control.</p> <p><b>Suspension</b>  Type ..... Semi-elliptical leaf spring  on both axles with double  wrap at pivot pins.  Pivot Pins ..... Lubricated with  bronze bushings</p> <p><b>Travel Speed (No Load/Level Surfaces)</b>  Engine at 2600 rpm</p> <table border="1" data-bbox="597 1816 1008 1911"> <thead> <tr> <th></th> <th>1<sup>st</sup></th> <th>2<sup>nd</sup></th> <th>3<sup>rd</sup></th> <th>Rev.</th> </tr> </thead> <tbody> <tr> <td>MPH</td> <td>4.3</td> <td>7.2</td> <td>10.5</td> <td>4.8</td> </tr> <tr> <td>KMPH</td> <td>6.9</td> <td>11.5</td> <td>16.9</td> <td>7.7</td> </tr> </tbody> </table>		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Rev.	MPH	4.3	7.2	10.5	4.8	KMPH	6.9	11.5	16.9	7.7	<p>Equip your 1000 series tow tractor with  A &amp; G Mercury deluxe cab which includes  heater, defroster vents, wiper, removable  doors, sliding windows for doors, and rear,  and insulation.</p> <ul style="list-style-type: none"> <li>➤ Deluxe Cab</li> <li>➤ Economy Cab</li> <li>➤ Overhead Guard</li> <li>➤ Backup Alarm</li> <li>➤ Hitch Release Inside Operators Compartment</li> <li>➤ Tie Down and Lift Brackets</li> <li>➤ Strobe Light, Amber or Blue</li> <li>➤ Flashing Light, Amber</li> <li>➤ Seat Belt</li> <li>➤ Grammer Suspension Seat Vinyl or Cloth</li> <li>➤ Side View Mirrors</li> <li>➤ Spark Arrestor</li> <li>➤ Spare Tire &amp; Wheel 1 Front &amp; 1 Rear</li> <li>➤ Tool Box</li> <li>➤ LPG Fuel (Tank Not Included)</li> <li>➤ Passenger Seat</li> <li>➤ Turn Signals</li> <li>➤ Tilt/Telescoping Steering Column</li> <li>➤ Reflectors</li> <li>➤ Special Paint (Standard Colors are Safety Yellow &amp; Safety Orange)</li> </ul> <p><b>Tires</b></p> <ul style="list-style-type: none"> <li>➤ Foam Filled</li> <li>➤ Solid Pneumatic</li> <li>➤ Non Marking Solid Pneumatic</li> </ul> <p><b>Hitches</b></p> <ul style="list-style-type: none"> <li>➤ 2 5/16" (58.74 mm) Ball Hitch</li> <li>➤ A &amp; G Mercury H.D. Jaw Hitch</li> <li>➤ E-Hitch</li> <li>➤ ZB98</li> <li>➤ Eye</li> <li>➤ Pintle</li> </ul>
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DIMENSIONS, MODEL 1000		
CODE	INCHES	MM
A	64.25	1632
B	33.25	845
C	49	1245
D	43.25	1099
E	18	457
F	37.75	959
G	128	3251
H	28.5	724
I	70.5	1791
K	29	736
L	8	203
M	9.5	241
N	14-18	356-457
P	64	1625
Q	54	1371
R	21	533
S	70	1778
T	58.5	1486
U	9.44	240
V	40	1016



Outside Turning Radius: 163" (4,140 mm)  
 Intersecting Aisle: 100" (2,540 mm)  
 Standard Hitch Height: 12" (305 mm)

Specifications subject to change without notice.



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