

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



Note: Shown with Optional Deluxe Cab.

SERIES 800V

Model 830, 840, 850, 855VG6E (Gasoline)

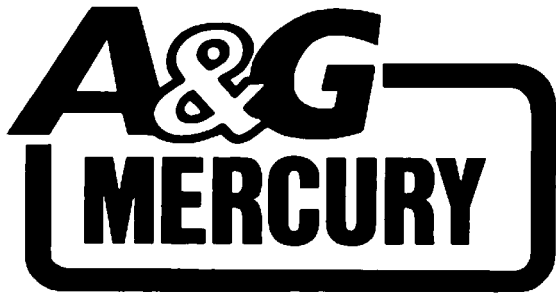
Model 830, 840, 850, 855VG6E-LP (Propane)

Model 830, 840, 850, 855V-D-C (Diesel)

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

MODEL	DRAW BAR PULL		WEIGHT	
	POUNDS	NEWTON'S	POUNDS	KILOGRAMS
830V	3,000	13,345	4,580	2,077
840V	4,000	17,793	5,090	2,308
850V	5,000	22,240	5,650	2,562
855V	6,000	26,690	6,250	2,835

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.

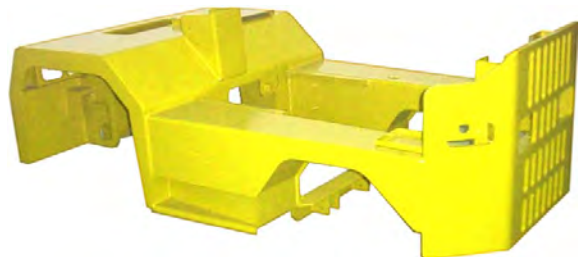
The rugged one-piece frame features a massive 3" (76.2 mm) rear bumper, and .75" (19.05 mm) front bumper. Fenders and entry step are an integral part of the frame. Low profile hood tapers forward and slopes down for better visibility. Easy lift hood makes service easier.

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.

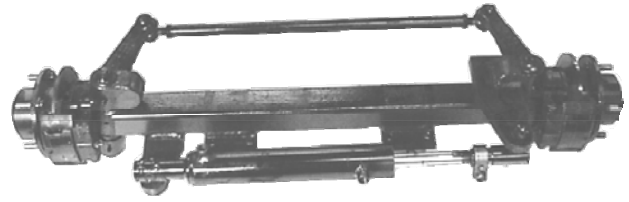
Standard hydraulic power assist steering is mechanically connected to the steering axle for manual steering in case of pressure failure.

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 9.4:1
 Bore & 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
 Engine Rotation: Clockwise: (From
 the front)

Standard Transmission

Type(Remanufactured) Ford C-6
 Automatic planetary gear
 Speeds 3 Speed Forward,
 1 Reverse
 Ratio's 1st 2.46, 2nd 1.46, 3rd 1.00
 Reverse 2.18
 Torque Converter Single Stage
 3 Element, 2.56 Stall Ratio
 Cooling Integral Radiator

Optional Diesel Engine

Make & Model Cummins B.3.3 Turbo
 Number of Cylinders 4
 Compression Ratio 17.3:1
 Bore & Stroke 3.74"x4.53"
 (95 mm x 115 mm)
 Displacement 3.3 L (199 CID)
 Horsepower 85 hp (63 kw)
 @ 2600 rpm
 Torque 215 Ft.-Lbs. (292 NM)
 @ 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 (4.25L)

Steering

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)
 Nominal

Steer Axle

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
 Double Piston per caliper 1" (25mm)
 dia.

Rear Rotor ... 12.5" (318 mm) diameter
 Single Piston per caliper 2.6" (66 mm)
 dia.

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)

Engine at 2450 rpm

	1 st	2 nd	3 rd	Rev.
MPH	6.5	10.9	15.9	7.3
KMPH	10.4	17.4	25.4	11.7

Optional Equipment

Equip your 800 series tow tractor with A & G Mercury deluxe cab which includes heater, defroster vents, wiper, removable doors, sliding windows for doors, and rear, and insulation.

- 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 Vinyl or 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

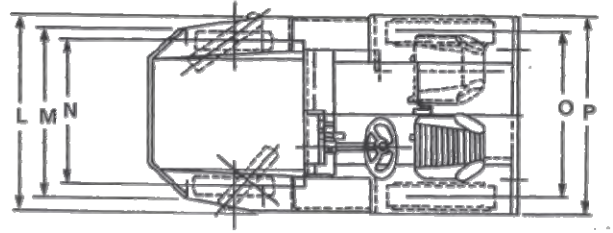
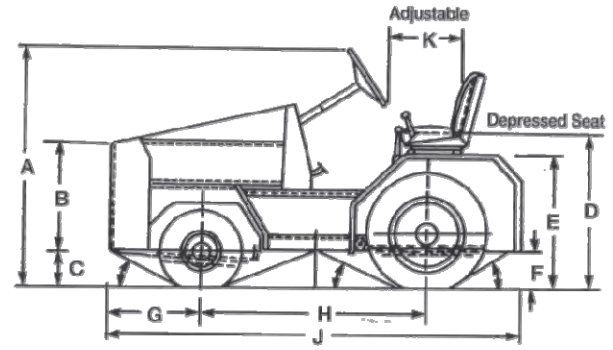
- Foam Filled
- Pneumatic
- Solid Pneumatic
- Non Marking Solid Pneumatic

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		
CODE	INCHES	MM
A	59	1,499
B	31	787
C	11.50	292
D	42	1067
E	36.75	933
F	11.50	292
G	23.50	597
H	58.50	1,486
J	105	2,667
K	15 - 22	381 - 559
L	52	1,321
M	47.50	1,206
N	41.50	1,054
O	46	1,168
P	56	1,422
P for Model 855V	72	1,829



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.



A & G Manufacturing Co., Inc.

P.O. Box 935 • 165 Gelsanliter Road
 Galion, Ohio 44833
 Telephone (419) 468-7433 Fax (419) 468-3990
 Visit our website at www.agmercury.com