

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, 855VD-D (Diesel)

	DRAW BAR PULL		WEIGHT	
MODEL	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

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

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 onepiece welded frame designed to protect components through a long service life, with reinforcement at high stress areas.

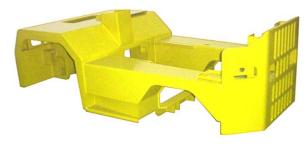
The rugged one-piece frame features a massive 3" (76.2 mm) rear bumper, and .75" (19.05 mm) front bumper. Fenders and entry step are an integral part of the frame. Low profile hood tapers forward and slopes down for better visibility. Easy lift hood makes service easier.

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.

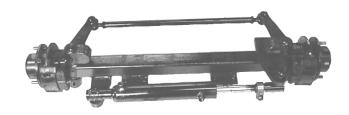
Standard hydraulic power assist steering is mechanically connected to the steering axle for manual steering in case of pressure failure.

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 GM 4L65E
Automatic planetary gear
Speeds 4 Speed Forward,
1 Reverse
Ratio's 1 st 3.09, 2 nd 1.625, 3 rd 1.00
4 th 0.696
Reverse 2.294
Torque Converter Electronic
Torque Convertor Lock
(Programmable)
1.95 Stall Ratio
Cooling Integral Radiator

Optional Diesel Engine

Optional Dieser Engine				
Make & Model Deutz 2.9L Tier IV				
Number of Cylinders 4				
Bore & Stroke 3.6"x4. 3"				
(92 mm x 110 mm)				
Displacement 2.9 L (177 CID)				
Horsepower 75 hp (55.4 kw)				
@ 2600 rpm				
Torque 221 FtLbs. (300 NM)				
@ 1600 rpm				
Fuel Pump Electric				
Oil Filter Replaceable spin-on				
Air Filter Replace dry type element				
Cooling System Pressurized 15 psi				
This engine uses Ford 6R80				
Transmission				

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 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

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
- Seat Belt
- Grammer Suspension Seat Vinyl or Cloth
- Side View Mirrors
- 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

- ▶ 25/16" (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		
А	59	1,499		
В	31	787		
С	11.50	292		
D	42	1067		
Е	36.75	933		
F	11.50	292		
G	23.50	597		
Н	58.50	1,486		
J	105	2,667		
К	15 – 22	381 - 559		
L	52	1,321		
М	47.50	1,206		
Ν	41.50	1,054		
0	46	1,168		
Р	56	1,422		
P for Model 855V	72	1,829		

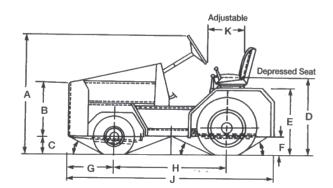
Outside Turning Radius:114" (2,896 mm)Intersecting Aisle:88" (2,235 mm)Standard Hitch Height:12" (305 mm)

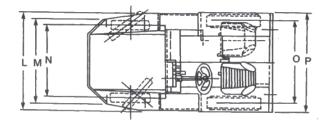
Specifications subject to change without notice.



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







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