



**400FF Series (Gasoline/Propane)
Tow
Tractors**



Note: Shown with Optional Tilt Steering.

- SERIES 400FF**
- Model 460FF**
- Model 460FF-LP**
- Model 470FF**
- Model 470FF-LP**

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

MODEL	DRAW BAR PULL		WEIGHT	
	POUNDS	NEWTON'S	POUNDS	KILOGRAMS
460FF	3,000	13,345	4,150	1,882
470FF	4,000	17,793	4,300	1,950

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 steering axle is built like no other in the industry. Needle bearings on the king pin and center pivot pin, together with thrust bearings, provide smooth easy steering. The tough, cast steel I-Beam axle is built to withstand long hours of service.

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.

The heavy duty Drive Axle on the 400 Series are typically used on much larger units. High capacity disc brakes that provide the stopping power required for heavy loads. Bevel cut gears ensure smooth quiet operation.

Front and Rear bumpers are an integral part of the frame. The ½" (12.7 mm) thick front bumper and massive 2" (51 mm) thick lower rear bumpers protect drive line components from damage.

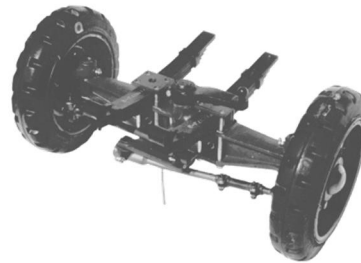
Standard colors are Safety Yellow, and Safety Orange.



Full Instrumentation; all controls in easy reach.
Shown with Optional Tilt/Telescoping Steer Column.



One Piece Welded Frame with integral bumpers.



Leaf Spring Suspension Steer Axle



Heavy duty axle with high capacity disc brakes.

Standard Features/ Specifications

Engine

Make & Model Ford 2.5 L EFI
 2015 E.P.A. & C.A.R.B. Certified
 Type of Fuel Gas/LP/CNG
 Number of Cylinders Four
 Compression Ratio 9.7:1
 Bore & Stroke 3.5" x 3.93"
 (89 mm x 100 mm)
 Displacement 2.5 L (152.5 CID)
 Horsepower 80 hp (59 kw)
 Torque 131 Ft.-Lbs. (177 NM)
 @ 3200 rpm
 Fuel Pump, Gasoline Electrical
 Oil Filter Replaceable spin-on
 Air Filter..... Replace dry type element
 Cooling System Pressurized 14 psi
 Ignition Electronic Fuel Injected
 Engine

Transmission

Type Ford Electronic 6R80
 Automatic planetary gear
 Speeds6 Speed Forward,
 1 Reverse
 Ratio's .. 1st 4.17, 2nd 2.34, 3rd 1.52, 4th 1.14,
 5th 0.87, 6th 0.69,
 Reverse 3.40
 Torque Converter Integral Clutch
 1.73 Stall Ratio
 Cooling Integral Radiator

Electrical

System Voltage 12 Volts
 Battery 800 cca @ 32° F (0° C)
 Alternator 95 Amps

Steering

Manual 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 ... One Piece cast Steel I-Beam
 Bearings ... Needle type at kingpins
 & at center pivot pin

Brakes

Service Power Assist
 Hydraulic dry disc
 on drive axle
 Rotor 12.5" (318 mm) diameter
 Piston Single per caliper
 2.6" (66 mm) dia. nominal
 Parking ... Mechanical disc type on
 drive input, with over center
 type adjustment control

Suspension

Type Semi-elliptical leaf
 on both axles
 Pivot Pins Lubricated with
 bronze bushings

Travel Speed (No Load)

Engine at 2450 rpm 22" (559 mm) x
 6" (152 mm) drive tire and 17.09:1
 drive axle ratio.

	2 nd	3 rd	4 th	Rev.
MPH	4.00	6.17	8.20	2.76
KMPH	6.43	9.93	13.2	4.44

Service Capacities

Cooling system 11 qt. (10.4 L)
 Engine Oil w/ filter . 7 qt. (6.62 L)
 Transmission12.1 qt. (11.45 L)

Standard Equipment

Instrument panel with, hour meter,
 engine oil pressure, volt, coolant
 temperature gauges, light switch,
 anti-restart ignition switch, and
 horn. Two headlights, one stop/tail
 light, standard vinyl cushion seat,
 mechanical parking brake, air
 cleaner, standard P-R-N-D-L pattern
 shifter. Automated low Oil Pressure,
 and High Temperature Shutdown.
 Gasoline models will have 8 gallon
 (30.28 L) fuel tank, Fuel Gauge,
 Electric fuel pump, fuel filter,
 Protect-O-Seal gas cap.

LP models will have electrical
 operated fuel shut-off valve, inlet
 relief valve. (Tank not included)

Tires

Solid Cushion (Standard) Front
 16.25" (412.8 mm) x 4" (101.6 mm);
 Rear 22" (558.8 mm) x 6" (152.4
 mm)

Weights

Standard units without options,
 fuel, or operator.
 460FF..... 4,150 lb (1,882 kg)
 470FF 4,300 lb (1,950 kg)

Optional Equipment

Equip your 400 series tow
 tractor with A & G Mercury
 deluxe cab which includes
 heater, defroster vents, wiper,
 with 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)

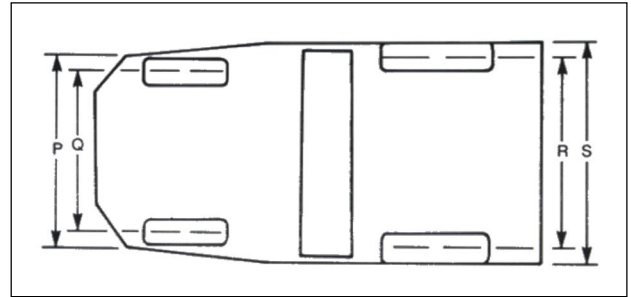
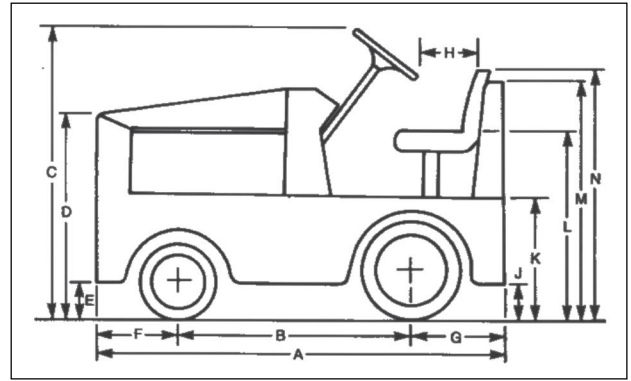
Tires

- Solid Cushion is Standard
- Foam Filled
- Pneumatic
- Solid Pneumatic
- Non Marking Solid
Cushion
- Non Marking Solid
Pneumatic

Hitches

- 2 5/16" (58.74 mm) Ball
Hitch
- A & G Mercury H.D. Jaw
Hitch
- E-Hitch's
- ZB98
- Eye
- Pintle

DIMENSIONS, MODEL 400FF		
CODE	INCHES	MM
A	89.50	2,273
B	49.50	1,257
C	57.50	1,461
D	44.50	1,130
E	8.75	222
F	20.75	527
G	19.25	489
H	18.00	457
J	8.50	216
K	26.25	667
L	39.00	990
M	50.50	1,283
N	53.50	1,359
P	35.25	895
Q	30.50	775
R	36.00	914
S	42.50	1,080



Outside Turning Radius: 88" (2,235 mm)
 Intersecting Aisle: 73" (1,854 mm)
 Standard Hitch Height: 12" (305 mm)
 Specifications subject to change without notice.



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



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