



**Electric (AC)
Tow
Tractors**

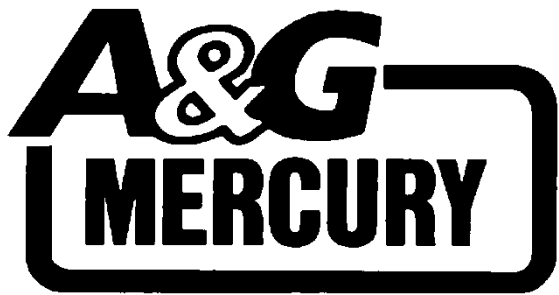


Note: Shown with optional overhead guard, & air compressor with Glad Hands.

SERIES 800AC
Model 830 AC
Model 840 AC
Model 850 AC

	DRAW BAR PULL			WEIGHT WITHOUT BATTERY	
MODEL	POUNDS	NEWTON'S	VOLTS	POUNDS	KILOGRAMS
830AC	3,000	13,345	48,72,80	5,400	11,880
840AC	4,000	17,793	48,72,80	5,700	12,540
850AC	5,000	22,242	48,72,80	6,100	13,420

Drawbar pull is the ultimate start up pull on dry, freshly swept concrete, and on a level surface. **NOTE IF USING ON RAMPS OR INCLINES PLEASE CONSULT THE FACTROY.**



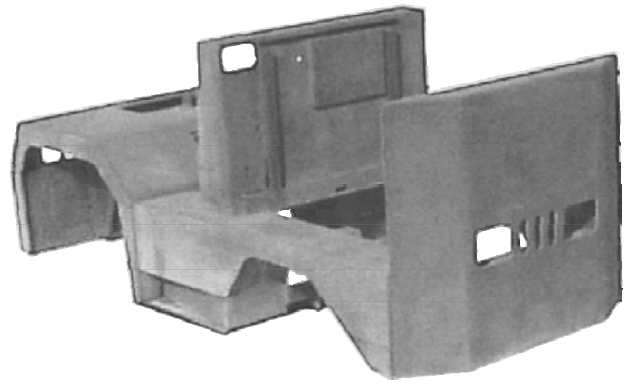
All Mercury tow tractors feature a one piece welded frame designed to protect components through a long service life, with reinforcement at high stress areas.

Leaf spring suspension, on both steer and drive axles, with bronze bushings is a feature unique to A & G Mercury tow tractors, which provides a smooth ride and reduces shock loads to the steering system.

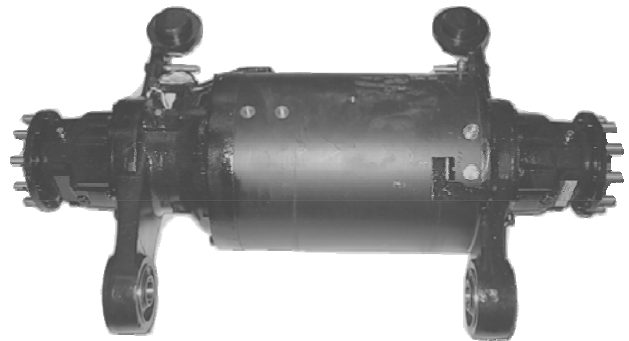
The Danaher AC MOSFET motor controller is standard equipment on the Model 800AC series, and combines the reliability of high efficiency power MOSFET control with the added flexibility of microprocessor technology to provide smooth durable and customized control. The AC MOSFET motor controller offers many safety and performance features resulting in direct cost savings benefits to your operation. Smart full time diagnostics, battery condition monitoring, and completely cold contactor switching are just some of features that ensure a safe truck as well as reduced maintenance cost.

The steer axle is equipped with disk brakes, and bronze bushings for better performance.

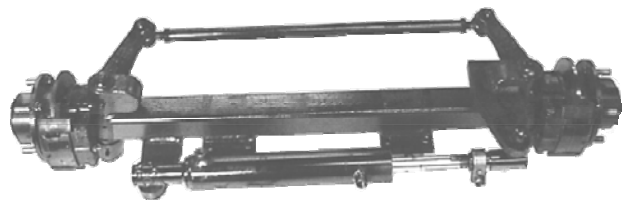
The drive axle is equipped with wet disk brake which gives you the best possible stopping conditions available.



One piece welded frame with integral bumpers.



Heavy duty axle with integrated motor and high capacity wet disk brake.



Steer axle with steer cylinder.

Standard Features and Options

ELECTRICAL

DRIVE MOTOR

Heavy duty Schabmuller AC design 48/72/80 volt with Class H insulation and brazed commutator connections. The drive motor is coaxial with the axle. Armature is dynamically balanced and mounted on ball bearings.

CONTROL PANEL

The Danaher AC MOSFET motor controller, the standard controller, uses MOSFET technology with cold contactor switching, which will give extended brush, battery, and motor life which will give years of dependable service. Only a Line contactor and pump contactor are used, forward & reverse contactors are not required.

TRAVEL CONTROL

Foot operator accelerator and hand operated directional control.

LIGHTING

The Model 800EA has headlights and stop/tail lights as standard equipment.

INSTRUMENT PANEL

Hour meter, battery indicator, maintenance indicator, key switch, and light switch.

DRIVE AXLE

Maintenance free axle offers a cutting edge design on technology. Designed as a rigid double planetary axle with an integrated motor. The G.A.W. rating is 17,160 lbs. (7,800 kg). Suspension has silent bushings on front for pivot mounting, and leaf spring in rear for smoother ride. This axle can be supplied with a over all ratio of 14:1 through 26:1.

STEER AXLE

Fabricated solid beam type, and inclined king pins with bronze bushings. Also equipped with a hydraulic cylinder for better steering control. With a 16" (406 mm) diameter steering wheel.

SERVICE BRAKES

Hydraulic disc brakes on the steer axle with 7" (178 mm) diameter rotor and two 1" (25mm) diameter pistons. The drive axle has hydraulic wet disk brakes, sealed and oil lubricated.

PARKING BRAKE

The parking brake is integrated with the hydraulic wet disk brake on the drive axle. The brake is automatically applied when the operator leaves the seat.

TRAVEL SPEED

The travel speed is adjustable from 0 to 10 mph (16.15 kmph) at 2190 rpm motor speed with a drive axle ratio of 20:1. Higher travel speeds are available upon request.

TIRES

Front: 21" (533.4mm) x 5" (127mm) Solid Cushion.

Rear: 7.50x16 Load Range "E:" Pneumatic Mud and Snow.

OPTIONAL EQUIPMENT

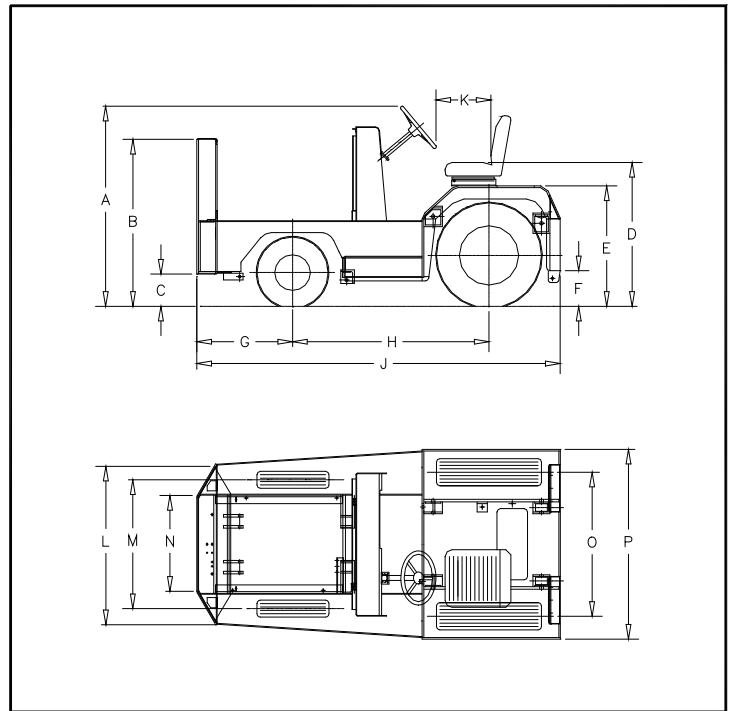
- Deluxe Cab
- Economy Cab
- Hood & Side Panels
- Backup Alarm
- Rotating Amber Light
- Flashing Amber Light
- Grammer Seat (Cloth/Vinyl)
- Low Battery Indicator Alarm
- Solid Pneumatic Tires (On rear only)
- Mercury Heavy Duty Jaw Hitch
- ZB98 (Modified)
- ZB98 (Modified) with quick release
- BX51 Eye Hitch
- Lever Hitch Release

DIMENSIONS, MODEL 800AC		
CODE	INCHES	MM
A	60.5	1537
B	48	1219
C	8	203
D	44	1118
E	36.5	927
F	11.25	286
G	28	711
H	58	1473
J	107.5	2731
K	13.5 - 18	343 - 457
L	47.5	1207
M	42	1067
N	28.5	724
O	46	1168
P	56	1422

Outside Turning Radius: 117" (2972mm)
 Intersecting Aisle: 45.5" (1156mm)
 Standard Hitch Height: 12" (305 mm)

BATTERY COMPARTMENT		
LENGTH	WIDTH	HEIGHT
41" (1041mm)	39" (991 mm)	26.5" (673 mm)

Specifications subject to change without notice.



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