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Model M1A

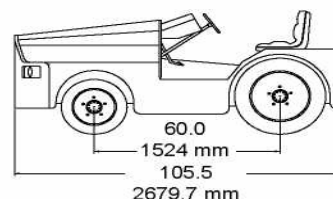
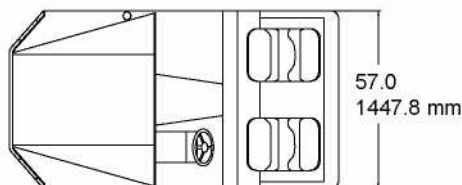
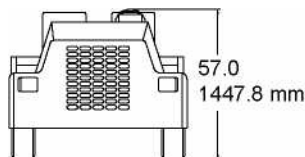
Baggage and Cargo Towing Tractor

The low profile of this tow tractor ensures greater visibility both fore and aft for safe operation. Like the MA series, the M1A has drawbar pull ranging from 3,000 to 6,000 pounds (1,362 to 2,722 kg) and all models can be equipped with gasoline, diesel or LPG fueled engines. Other features include four-wheel suspension and disc brakes, power steering and unibody frame construction. An enclosed cabin and other options are also available.



Standard features include:

- Recessed headlights
- Combination tail and stop lights
- Power boosted disc brake system
- Automatic transmission
- Seat belts
- Non-slip surface on floor boards
- Non-slip surface on brake pedal
- Power steering
- Four-wheel disc brakes
- Split braking systems



Specifications

Model M1A Low Profile

Dimensions

Length excluding coupler . . . 105.5" (2679.7 mm)
 Width..... 57" (1447.8 mm)
 Height less cab 57" (1447.8 mm)
 Height with cab 72" (1828.8 mm)
 Wheelbase 60" (1524.0 mm)
 Minimum ground clearance 6" (152.4 mm)
 Turning radius 130" (3302 mm)
 Maximum governed speed .. 15 mph (24.14 kph)

Drawbar Pull by Model

Model	Drawbar Pull	GVW
M1A30	3000 lb (1362 kg)	3750lb (1701 kg)
M1A40	4000lb (1816 kg)	5000lb (2268 kg)
M1A50	5000 lb (2268 kg)	6250lb (2835 kg)
M1A60	6000 lb (2722 kg)	7500lb (3402 kg)

Engine Options

Ford ESG-642 EFI Gasoline

Type.....Water-cooled, EFI, V6
 FuelNo-lead regular, 87 octane
 Displacement 256 CID (4.2 L)
 Governed rpm with full load 2600
 Net brake hp at governed rpm..... 125 (93 kW)
 Torque at 2600 rpm..... 240 lb ft (325 Nm)

Perkins 1104C-44 Diesel

TypeWater-cooled, direct injected,
 in-line, 4 cylinder
 Fuel Diesel or Jet A (with additive)
 Displacement..... 269 CID (4.4 L)
 Governed rpm with full load 2400
 Net brake hp at governed rpm 86 (64kW)
 Torque at 1400 rpm..... 222 lb ft (302 Nm)

Deutz F4M2011 Diesel

Type.....Oil-cooled, direct injected
 in-line, 4 cylinder
 Fuel Diesel or Jet A
 Displacement..... 189 CID (3.1 L)
 Governed rpm with full load 2500
 Net brake hp at governed rpm65 (48.5 kW)
 Torque at 1700 rpm..... 140 lb ft (190 Nm)

Transmission

Gasoline
 Type..... Ford industrial 2-speed automatic
 transmission with torque converter

Diesel

Type..... Ford industrial 3-speed automatic
 transmission with torque converter

Drive Axle

Type..... Heavy duty 6,000-lb capacity
 axle with drop box

Drive Shaft

Type..... Double-universal,
 sliding spline coupling

Electrical System

Type..... 12 V, negative ground
 Alternator 91 A

Cooling System

Engine 15-quart (14.2 L)
 heavy-duty radiator and fan
 Transmission Radiator cooled

Fuel System

Fuel Cell Capacity 12 U.S. gal (45.43 L)
 Construction Stainless steel
 Fuel options Gasoline, diesel or LP

Brakes

Service 4-wheel disc with hydraulic power
 assist and dual master cylinder
 Parking Lever-operated drum type

Steering System

Type..... Power steering

Suspension

Front Leaf springs
 Rear..... Coil springs

Tires

Front6.9 x 9
 Rear 8.0 x 16 or 8.0 x 16.5

Hitch

Standard "E" hitch.....Other options available

Instruments

Diesel Powered

Water temperature, oil pressure, voltmeter, hour meter

Gasoline Powered

Hour meter
 Engine Performance Module (EPM) Indicator light

Partial List of Options

Cab
 Overhead guard
 Backup alarm
 Charlyn hydraulic steering
 Additional hitches to fit customer specifications
 Others available upon request



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