

## TUG Model MA Baggage Tractor

The MA is a time-tested, field proven tow tractor with 3,000 to 6,000 pounds (1,362 to 2,722 kg) drawbar pull.



### Standard Features

- Recessed LED headlights
- Combination LED tail and stop lights
- Automatic transmission
- Seat belts
- Non-slip surface on floor boards
- Non-slip surface on brake pedal
- Engine speed governor
- Adjustable over center park brake lever
- Front, rear & side reflectors

### Optional Features

- Cab
- Overhead guard
- Fuel gauge on instrument panel
- Backup alarm
- Snow plow
- Charlyn hydraulic steering
- Additional hitches to fit customer specifications

### General Information

The TUG MA is offered in diesel, gas, Compressed Natural Gas (CNG), or Liquid Petroleum (LP). For an electric option please see our TUG Model MZ.



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## DIMENSIONS

Length including coupler.....	120" (3048 mm)
Length including front & rear coupler....	124" (3150 mm)
Length excluding coupler.....	103" (2616 mm)
Width.....	60" (1524 mm)
Height less cab.....	60" (1524 mm)
Height with cab.....	84" (2134 mm)
Height with cab & beacon.....	86" (2184.4 mm)
Wheelbase.....	59" (1498.6 mm)
Minimum ground clearance.....	6.5" (165.1 mm)
Steer axle under clearance.....	7.8" (198.12 mm)
Frame under clearance.....	10" (254.0 mm)
Turning radius.....	115" (2921.0 mm)
Maximum governed speed.....	15 mph (24.14 kph)

## DRAWBAR PULL BY MODEL

MODEL	DRAWBAR PULL	GVW
MA30	3000 LB (1362 KG).....	3750LB (1701 KG)
MA30 W CAB	3000 LB (1362 KG).....	4250LB (1928 KG)
MA40	4000LB (1816 KG).....	5000LB (2268 KG)
MA40 W CAB	4000 LB (1816 KG).....	5500LB (2495 KG)
MA50	5000 LB (2268 KG).....	6250LB (2835 KG)
MA50 W CAB	5000 LB (2268 KG).....	6600LB (2994 KG)
MA60	6000 LB (2722 KG).....	7500LB (3402 KG)
MA60 W CAB	6000 LB (2722 KG).....	8000LB (3629 KG)

## ENGINE OPTIONS

### Ford D5G-425 EFI Gasoline

Type.....	Water-cooled, EFI, 4 Cylinder
Fuel.....	Gas
Displacement.....	153 CID (2.5L)
Governed rpm with full load.....	2400
Net brake hp at governed rpm.....	69 (52 kW)
Torque at 3200 rpm.....	143 lb ft (194 Nm)

### Perkins 1104C-44 Diesel Tier II (EXPORT ONLY)

Type.....	Water-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 D2011L04 Diesel Tier IV Interim (EXPORT ONLY)

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 rpm.....	49 (36.5 kW)
Torque at 1700 rpm.....	140 lb ft (190 Nm)

### Kubota V3600-E3B Tier III Interim Tier IV (EXPORT ONLY)

Type.....	Vertical 4-cycle water cooled, 4 Cylinder
Fuel.....	Diesel
Displacement .....	220.9 CID (3.6 L)
Governed rpm with full load.....	2600
Net brake hp at governed rpm.....	66.8 (49.8 kW)
Torque at 1700 rpm.....	162 lb ft (220Nm)

### DEUTZ D2.9L DIESEL TIER IV FINAL

Type.....	Water-cooled, Common rail, in-line 4 cylinder
Displacement .....	(177 CID) (2.9L)
Governed RPM with full load.....	2600
Net brake hp @ governed rpm.....	49 (36.5kw)
Torque @ 1600 rpm.....	108 ft-lb (146nm)
Fuel.....	Ultra Low Sulfur Diesel
Fuel only	

## TRANSMISSION

Type.....	GM 4L70 Automatic Four-Speed
Overdrive with a Mechanical Torque Converter Clutch	

## DRIVE AXLE

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

Type.....	Double universal, sliding spline coupling
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## ELECTRICAL SYSTEM

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

## COOLING SYSTEM

Engine.....	15 qt (14.2 L)
Heavy-duty radiator and fan	
Transmission.....	Radiator cooled

## FUEL SYSTEM

Fuel Cell Capacity .....	15.5 U.S. gal (58.67 L)
Fuel options.....	Gasoline, diesel or LP

## BRAKE SYSTEM

Service .....	dual calipers on each rear wheel and split master cylinder
Parking.....	Lever-operated, drive shaft mounted

## STEERING SYSTEM

Type.....	Ball and screw gearbox, heavy-duty front steer axle with inclined king pins, bushings and bearings
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## SUSPENSION

Front.....	Leaf springs
Rear.....	Rubber mount

## TIRES (MA30-50)

Front.....	6.9 x 9, 6-ply rating
Rear.....	8 x 16.5, 8-ply rating

## TIRES (MA60)

Front.....	6.5 x 10 TT, 6-ply rating
Rear.....	9.5 x 16.5, 8-ply rating

## HITCH

Standard.....	E hitch
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## OPTIONS AVAILABLE

- Water temperature, Oil pressure, Ammeter, •
- Gasoline Powered & Tier IV Diesel
- Engine Performance Module (EPM) Indicator light
- Front Brakes
- C6 Transmission



Contract Holder  
Contract GS-07F-0507N



Heavy Equipment Procurement Program  
Contract SPMBEC-12-D-0005

Specifications are subject to change without notice. Models shown may include optional features.

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