

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.



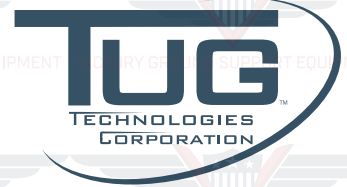
VICTORY GROUND SUPPORT EQUIPMENT
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DIMENSIONS

Length including coupler.....120" (3048 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 DSG-425 EFI Gasoline

Type.....Water-cooled, EFI, 4 Cylinder
 Fuel.....Gas
 Displacement.....153 CID (2.5L)
 Governed rpm with full load.....2600
 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
 Displacement220.9 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 (DEUTZ 2.9L & FORD 2.5L)

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

TRANSMISSION

Type.....Ford industrial 3-speed automatic transmission w/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
 Alternator91 A

COOLING SYSTEM

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

FUEL SYSTEM

Fuel Cell Capacity15.5 U.S. gal (58.67 L)
 Fuel options.....Gasoline, diesel or LP

BRAKE SYSTEM

Servicedual calipers on each rear wheel and split master cylinder
 Parking.....Lever-operated drum type

STEERING SYSTEM

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

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

OTHER OPTIONS AVAILABLE

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



Contract Holder
 Contract GS-07F-0507N



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

MA/1290, Rev. 3/14

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