

TUG TECHNOLOGIES

Providing Ground Support
Solutions Worldwide



Model shown above includes additional options.

TUG GT50 Aircraft Gate Tractor

The TUG's Tractor Model GT-50/GT-50H provides our customers with dependable pushback service for all mid-sized aircraft. This popular model has helped make our tractor product line synonymous with quality and performance. The GT-50 features optional gross vehicle weight packages for the various applications and airport conditions. Customers can choose the 60,000-lb (GT-50H) tractor for difficult towing requirements such as heavier aircraft, inclement weather conditions and tight maneuvering, or they may choose the 50,000-lb tractor for less stringent applications.

Equipment Sales
Tel: (770) 422-7230
Fax: (770) 428-7315

Parts Sales
Tel: (800) 989-8499
Fax: (770) 422-8730

Online
www.tugtech.com

Standard features include:

- Glow plugs for cold-weather starting
- Sealed-beam headlights
- Backup lights
- Front, rear & side reflectors
- Dual-rearview mirrors
- Electric horn
- Single-color polyurethane paint
- Anti-skid matting on top of tractor surface



If it doesn't say TUG, it's not TUG TUFF

Specifications

Model GT50

Aircraft Gate Tractor

General

Gross Vehicle Weight (gvw) Maximum Drawbar Pull*
At gvw 50,000 lb (22,680 kg) 40,000 lb (18,143 kg)
At gvw 60,000 lb (27,216 kg) 48,000 lb (21,773 kg)
**At 0.8 traction coefficient. ±3% variation on published drawbar pull and weight, owing to manufacturing tolerances.*

Speed*

Forward	1 st	2.5 mph (4.0 km/h)
	2 nd	3.8 mph (6.2 km/h)
	3 rd	4.6 mph (7.4 km/h)
	4 th	6.7 mph (10.8 km/h)
	5 th	9.5 mph (15.3 km/h)
Reverse	6 th	15 mph (24.0 km/h)
	1 st	2.5 mph (4.0 km/h)
	2 nd	3.8 mph (6.2 km/h)
	3 rd	9.5 mph (15.3 km/h)

Overall Dimensions

Length (w/o Hitches).....194" (4,928 mm)
Width.....102" (2,591 mm)
Height (w/o Cab).....64" (1,626 mm)
w/Cab.....78" (1,981 mm)
Wheel Base.....90" (2,286 mm)
Ground Clearance.....7" (178 mm)

Turning Radius (Outside)

Standard Front-Wheel Steer 21' (6,400 mm)
Optional Four-Wheel Steer 14' (4,267 mm)

Ramp Angles

Approach Angle 8.0°
Breakover Angle 17.0°
Departure Angle 14.0°

Engine - Standard, Certified Tier III

Manufacturer.....Deutz Model TCD2013L04
Type.....Watercooled, diesel, four-cycle (turbocharged)
Number of Cylinders and Arrangement
Four (4)-cylinder; in-line
Displacement... 290 C.I.D. (4.76L)
Horsepower @-Flywheel..169 hp (126 kW) @ 2300 rpm

Transmission

Manufacturer ZF
TypeTorque converter/power shift
SpeedsSix (6) forward; three (3) reverse
Controls.....Electrical

Axles - Front

Manufacturer....Rockwell SVI Model 5 (Axle-Tech)
Type.....planetary-drive/steer
Steering System -Cylinders Hydrostatic-
Twin double-acting
Tires.....365/80R20 radial, tubeless
Suspension.....Trunnion mount

Axles - Rear

Manufacturer....Rockwell SVI Model 5 (Axle-Tech)
Type.....Planetary-drive/rigid

Inter-Axle Differential

Integral with transmission
Type No spin

Brakes

Service, Front and Rear
Four-wheel drum brakes, 400x120-mm hydraulically actuated. Split braking is provided by a dual-chamber master cylinder. Power assist provided by an engine-driven hydraulic pump. Automatic backup to power assist, in event of engine shutdown provided by a battery-powered motor pump.

Parking
Mechanical actuated on caliper on driveline.

Steering Hydraulic System

Type.....Two (2)-wheel hydraulic
Optional.....Four (4)-wheel hydraulic
Pump.....Direct-driven, gear-type
Steering Cylinders.....Twin, double-acting
Controls, Four-Wheel.. Electric pre-selection with push-pull

Hydraulic Oil Tank

TypeRemovable
Capacity.....17 U.S. gallons (64.4 L)

Electrical System

Starting System.....12V
Charging System.....95A (high output @ idle speed)

Fuel System

Capacity.....40 U.S.-gallons (151 L)
Fuel.....No. 2 Diesel (Jet-A-approved)

Hitch (Front and Rear)

TypePin coupler, camlocked
Height from Ground...16" (406.4 mm)
Pin Diameter.....2.5" (63.5 mm)

Standard Operator Compartment

Operator instrument panel • engine tachometer • engine oil pressure gauge • engine coolant temperature gauge • voltmeter • hour meter • fuel level indicator • keyless anti-restart-type ignition/ shutdown switch • light switches • red parking brake "ON" warning light • symbolic decals &-labels for all instruments & controls • glow plug indicator light • warning lights for engine coolant high temp/low level, low engine oil pressure, alternator failure, brake booster and pump on • parking brake actuator with transmission out of neutral shift warning horn • Engine diagnostic reader • driver's seat (adjustable position) • passenger seat

Optional Equipment

Two-man cab • windshield wipers • dome light • ventilating fan • sound insulation • electrical switches for above • roof windows • rear window wiper • tire chains • spare tire and wheel • revolving or flashing beacon (red/amber) • cold weather starting accessories • coolant heater • battery warmer • oil pan heater • fuel heater • dry-chemical fire extinguisher(s) • front and/or rear hitch lights • special paint schemes, strips, logos, etc. • front & rear communication jacks • two- or three-mode steering • heater/windshield defroster (front &-rear) • transmission oil temperature gauge • 12-VDC emergency steering system • backup alarm • GPU platform with/without GPU • GPU power cable(s) • hitch extension • jack adapters • hitch mirror • windshield washer • wipers, roof • other options available



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



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GT50/1210 Rev. 11/08
Printed in U. S. A.