Aircraft Support Equipment



Aircraft Tow Tractor Model GT-50

The S&S TUG Gator 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.

A clean environment is important to S&S TUG. For this reason, the GT-50 is offered with optional power sources that meet or exceed current emission-level requirements. Customers have the option of either Caterpillar or Deutz power.

For over a decade, S&S TUG has provided parts and service for the GT-50 to customers located all over the world. Our dedication to quality and customer satisfaction makes the GT-50 the best choice for your operation.

Standard features include:

- · Glow plugs for cold-weather starting (Deutz)
- · Spark-arresting muffler
- · Sealed-beam headlights
- Backup lights
- · Turn signals/emergency flashing lights
- · Front, rear & side reflectors
- · Dual-rearview mirrors
- · Electric horn
- · Single-color polyurethane paint
- Anti-skid matting on top of tractor surface

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Stewart & Stevenson TUG – Kennesaw

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Specifications

Model GT-50

Speci	incations	IVIOUE	el G1-50	
At gvw 50, At gvw 60,	cle Weight (gvw) 000 lb (22,680 kg) (GT-50) 000 lb (27,216 kg) (GT-50H) ion coefficient. ±3% variation on published drawba	. 40,000 lb (. 48,000 lb ((18,143 kg) (21,773 kg)	
Speed*	·			
Forward Reverse	1st 2nd 3rd 4th 5th 5th 5th 5th 3rd	3.8 mph 4.6 mph 6.7 mph 9.5 mph 15 mph 2.5 mph 3.8 mph	(4.0 km/h) (6.2 km/h) (7.4 km/h) (10.8 km/h) (15.3 km/h) (24.0 km/h) (4.0 km/h) (6.2 km/h) (15.3 km/h)	
Overall Dim		7.0 mp	(10.0 1.1.1.1)	
Width Height (v (v Wheel Base Ground Cle	o Hitches) w/o Cab) w/Cab) e parance	. 102" . 64" . 78" . 90"	(4,923 mm) (2,600 mm) (1,626 mm) (2,005 mm) (2,286 mm) (178 mm)	
Standard F	ius (Outside) ront-Wheel Steer our-Wheel Steer	. 21′ . 14′	(6,400 mm) (4,267 mm)	
Ramp Angles Approach Angle Breakover Angle		. 17.0°		
	Angle	. 14.0°		
Engine - Standard, 1996 EPA-Certified Manufacturer Type Number of Cylinders and Arrangement Bore Stroke Displacement Horsepower @-Flywheel Engine - Alternate, 1996 EPA-Certified		. Watercooled, diesel, four-cycle (turbocharged) . Six (6)-cylinder; in-line . 4.25" (108 mm) . 5.12" (130 mm) . 436 C.I.D. (7.14 L)		
Manufactui	rer			
Type Number of Cylinders and Arrangement Bore Stroke Displacement Horsepower (gross)		. 4.5" (114 mm) .5.0" (127 mm) .636 C.I.D. (10.4 L)		
Transmission Manufacturer Type Speeds		. Torque converter/power shift		
Controls Elec				
Axles - Front Manufacturer F Manufacturer F Type F Steering System – Cylinders F Tires 3 Suspension C Axles - Rear		Planetary-drive/steer Hydrostatic – Twin double-acting 365/80R20 radial, tubeless		
Axies - Rear Manufacturer Type Tires Optional Rear Steering Axle Available		Planetary_drive/rigid		
Suspension Inter-Axle D	n	. Rigid mour	nt	
Type		. No spin		
	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. Mechanical actuated on caliper on driveline.	
		. Mechanica	i actuated on caliper on driveline.	
Type	Hydraulic System			
Pümp		. Direct-driven, gear-type		
Steering Cylinders Controls, Four-Wheel Steer Option		. Electric pre-selection with push-pull		
Hydraulic Oil Tank Type		. Removable . 17 U.S. gallons (64.4 L)		
Electrical System Starting System Charging System		.12V		
Fuel System Capacity Fuel		. 40 U.Sqallons (151 L)		
Hitch (Front	and Rear)		,	
Type Height from Ground Pin Diameter		.16" (406.4 mm)		

Standard Operator Compartment

Operator instrument panel • engine tachometer • engine oil pressure gauge • engine coolant temperature gauge • voltmeter • hourmeter • 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 (Deutz engine) • 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 • starter interlock (engine speed sensitive) • 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 • ether aid start for CAT-engine • dry-chemical fire extinguisher(s) • front and/or rear hitch lights • special paint schemes, strips, logos, etc. • front & rear communication jacks · Racor-style fuel filter/ separator • low engine oil pressure, high engine coolant temperature, automatic engine shutdown w/override switch • two- or three-mode steering • heater/windshield defroster (front &-rear) • transmission oil temperature gauge • 12-VDC emergency steering system • backup alarm • elevating cab option - 28" lift • GPU platform with/without GPU • GPU power cable(s) • hitch extension • jack adapters • hitch mirror • tilt steering • windshield washer • wipers, roof • other options available

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