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## ***Model GT35 Aircraft Tow Tractor***

As the successor to the GT-1628, this versatile tractor will easily handle the pushback and towing requirements for all narrow-body aircraft. The water-cooled Deutz Engine provides steady, dependable power that is both noise and emissions "friendly." The Hydrostatic Steering System, combined with excellent visibility, makes the GT-35 the tractor of choice for those needing a highly maneuverable, compact and powerful tractor. The GT-35 Tractor has been engineered utilizing components to the latest technology and the highest quality. The Drive Train, Hydraulics and Electronics have been arranged to allow full access for routine maintenance and repair.



### ***Standard features include:***

- Single-color polyurethane paint
- Spark-arresting muffler
- Backup lights
- Turn signals/side marker/emergency flashing lights
- Front, rear and-side reflectors
- Dual-rearview mirrors
- Electric horn
- Anti-skid matting on top of tractor surface
- Sealed-beam halogen headlights (hi-lo)
- Sealed-beam backup lights
- Front and rear hitch lights

# Specifications

# Model GT35 Aircraft Tow Tractor

## General

Gross Vehicle Weight (gvw)	Maximum Drawbar Pull*
At gvw 20,000 lbs. (9,072 kg)	16,000 lb (7,257 kg)
At gvw 22,000 lbs. (9,979 kg)	17,600 lb (7,983 kg)
At gvw 30,000 lbs. (13,620 kg)	24,000 lb (10,910 kg)
At gvw 35,000 lbs. (15,910 kg)	28,000 lb (12,727 kg)
At gvw 40,000 lbs. (18,160 kg)	28,000 lb (12,727 kg)

\* At 0.8 traction coefficient.  $\pm 3\%$  variation on published drawbar pull and weight, owing to manufacturing tolerances.

## Speed\*

Forward	1 <sup>st</sup>	2.0 mph (3.2 km/h)
	2nd	5.0 mph (8.1 km/h)
	3rd	12.0 mph (19.3 km/h)
Reverse	1 <sup>st</sup>	2.0 mph (3.2 km/h)
	2nd	5.0 mph (8.1 km/h)
	3rd	12.0 mph (19.3 km/h)

## Overall Dimensions

Length (w/Hitches)	199" (5,055 mm)
Width	84" (2,134 mm)
Height (w/o Cab)	55" (1,397 mm)
(w/Cab)	81" (2,057 mm)
Wheel Base	84" (2,134 mm)
Ground Clearance	8" (203 mm)

## Turning Radius (Outside)

Standard Front-Wheel Steer	17.5 feet (5,334 mm)
Optional Four-Wheel Steer	13.0 feet (3,962 mm)

## Ramp Angles

Approach Angle	12.0°
Breakover Angle	20.0°
Departure Angle	13.0°

## Engine

Manufacturer	Deutz Model BF4M2012
Type	Water-cooled, diesel, four-cycle (turbocharged)
Number of Cylinders	Four (4)
Bore	4.0" (101 mm)
Stroke	5.0" (126 mm)
Displacement	246.5 C.I.D. (4.04 L)
Horsepower @ Flywheel	100 hp (74.9 kW) @ 2500 rpm

## Transmission

Manufacturer	Funk Mfg. Co.
Type	Torque converter/powershift
Speeds	Three (3) forward; three (3) reverse
Controls	Mechanical with downshift inhibitor

## Axles - Front

Manufacturer	Spicer Clark Hurth
Type	Planetary-drive/steer
Steering System	Hydrostatic
Steering Cylinders	Integral
Tires	315/80R22.5 radial, tubeless
Suspension	Trunnion mount

## Axles - Rear

Manufacturer	Spicer Clark Hurth
Type	Planetary-drive/rigid
Tires	315/80R22.5 radial, tubeless
Optional Rear Steering Axle Available	
Suspension	Rigid mount

## Interaxle Differential

Integral with transmission	
Type	No spin

## Brakes

Service	Wet disk, internal
Parking	Mechanical-actuated caliper on transmission

## Electrical System

Starting System	12V
Charging System	95A

## Fuel System

Capacity	18 U.S.-gallons (68 L)
Fuel	No. 2 diesel (Jet-A-approved)

## Standard Operator Compartment

Operator instrument panel • engine tachometer • engine oil pressure gauge • engine coolant temperature gauge • transmission oil temperature gauge • voltmeter • hour meter • fuel level indicator w/ low fuel level warning light • keyless anti-restart-type ignition/shutdown switch • light switches • blue high-beam indicator light • red parking brake "ON" warning light • symbolic decals &-labels for all instruments &-controls • glow-plug indicator light • down-shift inhibitor w/ indicator light • warning lights • high transmission oil temperature (integral w/gauge) • high engine coolant temperature • low coolant level • low engine oil pressure • alternator failure • low service brake pressure • emergency service brake system (accumulators - split circuit for front &-rear brakes) • air cleaner indicator • parking brake actuator with transmission out of neutral shift warning horn • starter interlock (engine speed sensitive) • glow-plug for cold weather starting • seatbelts

## Optional Equipment

Two-man cab • windshield wipers & washer • dome light • ventilating fan • sound insulation • electrical switches for above • tire chains • spare tire and wheel • ballast to 40,000 lb • front & rear hitch mirrors • revolving or flashing beacon (red/ amber) • cold weather starting accessories • coolant heater • battery warmer • oil pan pad heater • fuel heater • dry-chemical fire extinguisher (s) • front and/or rear hitch lights • special paint schemes, strips, logos, etc. • front & rear communication jacks • rear sliding window, cab, driver's side • 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) • spring applied/hydraulic release parking brake • speedometer with odometer



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