

B-450 Aircraft Tow Tractor (USAF MB-2 Class I)

Air transportable for rapid global deployment, the compact and agile B-450 (USAF MB-2 Class I) Tow Tractor handles a wide variety of aircraft routinely used in military operations. The B-450 offers a gross vehicle weight of 40,000 lbs. (18,144 kg) and a drawbar pull rating of 30,000 lbs. (13,608 kg).

On the flightline, the B-450 responds to extreme operating conditions with features such as:

- Sure gripping power of a 4-wheel drive.
- Versatile maneuverability of 2-wheel, 4-wheel, crab steering modes.
- High-durability steel “unibody” construction.
- Clear sightline visibility utilizing large cab windows and a notch-back rear design with sloped fenders.

Extremely easy to operate and maintain, the B-450 is backed by superior logistical support that services 10,000+ pieces of equipment at 800+ locations in 100+ countries. For medium duty action with high reliability, the B-450 (USAF MB-2 Class I) Tow Tractor pulls its weight plus more.



B-450/USAF MB-2 Class I Aircraft Tow Tractor Specifications

Model B-450/USAF MB-2 Class I

Gross Vehicle Weight	Draw Bar Pull
18,144 kg (40,000 lb)	13,608 kg (30,000 lb)
15,876 kg (35,000 lb)	10,866 kg (24,000 lb)
13,608 kg (30,000 lb)	9,072 kg (20,000 lb)

Propulsion Speed 16 km/hr (10 mph) REV 26 km/hr (16 mph) FWD

Overall Dimensions

Length (Less Couplers)	178.45 in. (453 cm.)
Length (With Couplers)	199.29 in. (506 cm.)
Width	90.00 in. (229 cm.)
Height (to Fender)	51.70 in. (131 cm.)
Height (to Hood)	60.97 in. (155 cm.)
Height (to Cab including Beacon)	88.90 in. (226 cm.)
Wheelbase	80.00 in. (203 cm.)
Ground Clearance	9.70 in. (25 cm.)

Engine Deutz BF4M2012, 99 hp (74 kW), EPA Tier II

Transmission Funk 2000 power shift with torque converter and interaxle differential. Funk Gated Shifter with 6 speeds Forward and 3 Speeds Reverse

Electrical System 24 Vdc. Electrical box mounted inside cab

Gauges/Switches Headlights • Taillights/Backup lights • Horn • Voltmeter • Hour meter • Keyless ignition switch
Fuel level gauge • Park brake "ON" light • Warning light for Engine high coolant temperature/Engine low coolant level/Engine low oil pressure warning light • Alternator warning light
Hydraulic oil over-Temperature light • Brake low pressure warning light

Axles Dana 213 4-Wheel Drive

Tires 12R 22.5

Hydraulic System Centralized hydraulic system using pressure compensated piston pump

Steering System Two (2) wheel, front steering: Centralized hydraulic operated steering control valve actuating twin steering cylinders

Brake System
Service: 4-Wheel, Wet disc.
Back up: Accumulator
Parking: Spring applied with hydraulic release

Air Transportability Suitable for air transport in C5 or C17 after removal of ballast

Other Features:

- Removable ballast weights
- Heavy duty front and rear single pin type couplers with pin retainers (multiple pin diameters available)
- Driver and passenger multiposition seating
- Seat belts
- Recessed sealed beam headlights, recessed brake/tail lights
- Recessed back up/reverse lights
- Four wheel drive (4WD)
- Dual accumulator back up brake system
- Park brake interlock with out of neutral warning horn
- Starter protection interlock
- Engine protection system for high coolant temperature and low oil pressure Hp DERATE system
- Flashing or rotating beacon
- Winterization protection
- Front and rear coupler lights and/or mirrors
- Intercom jacks and cable system
- Front headlight and rear taillight guards
- Emergency shutdown
- Fire extinguisher
- Heater/defroster
- Custom paint finishes
- CE package
- Multiple position and adjustment suspension seating
- All weather two-man steel construction cab with hinged doors, sliding windows, safety glass, wipers, heaters, defroster, mirrors and interior lights
- Engine protection system for high coolant temperature and low oil pressure shutdown.

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