

FMC B700 Aircraft Tow Tractor



MERCURY
GROUND SUPPORT EQUIPMENT

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FMC B700. Full-featured versatility to handle aircraft up to the Airbus A340.

For operations that demand both heavy-duty capabilities and highly flexible performance, the B700 has right answer after right answer after right answer:

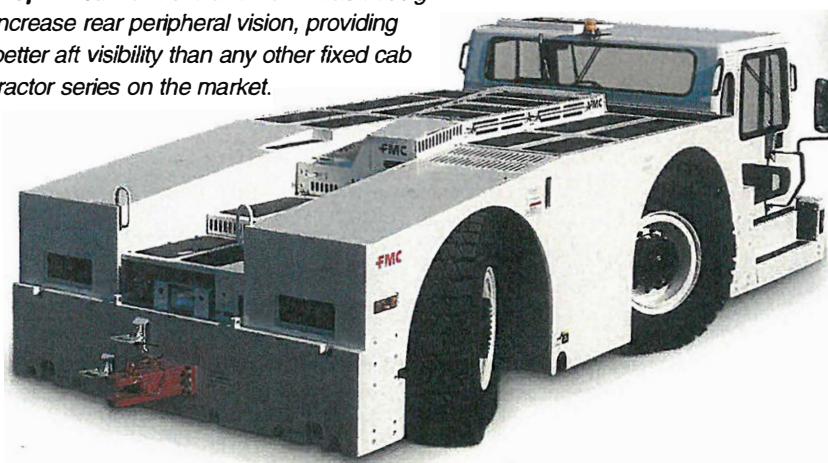
- A Gross Vehicle Weight up drawbar pull rating up to 2 for reliable pushback and t conditions.

viewing and safety during any operation.

- High-visibility, easy-operation, ergonomic, full-width cab design with open, fixed, and elevating configurations.
- Environmentally friendly 6BTAA5.9-C185 Cummins engine, to satisfy the latest emissions standards.
- The optimum performance and part availability of Rockwell (Meritor) front and rear drive/steer axles.
- Enhanced "uni-body" steel construction for rigid durability on the ramp.
- Sloped aft section, low-profile fenders, and trademark easy-to-access notch-back design for optimized rear visibility.
- The superior handling of four-wheel drive and four-wheel steering.
- An impressive list of additional standard features (plus advanced options), for maximized capabilities and convenience.

And, in a tow tractor that offers so much, there's still more: the unmatched, worldwide, "life-of-the-product" support of FMC Airline Equipment, the global leader in ground support equipment. It all comes together to give the B700 wide-ranging operational flexibility and total, day-to-day dependability.

Sloped rear fenders and notch-back design increase rear peripheral vision, providing better aft visibility than any other fixed cab tractor series on the market.



Four-wheel drive, four-wheel steer offers coordinated, crab, and front-wheel steer modes, for maneuvering within the increasingly cramped quarters of today's ramp congestion.



Power-shift Funk 2000 series four-speed transmission features torque converter and interaxle differential.



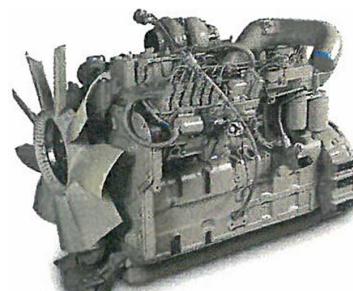


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High-visibility cab design,
enhanced by ergonomic instrument
and control layout, has open, fixed
and elevating configurations.



Environmentally friendly,
EPA-certified engine, the 185-hp
Cummins 6BTA5.9-C185, meets
the current emissions standards.



Removable ballast loads
conveniently into the tractor, for
easy field upgrading of weight
and capacity.



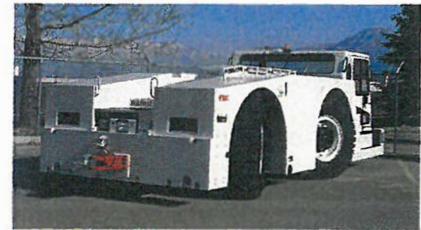
Heavy-duty lift jacks help speed
and simplify safe tire changes and
other types of maintenance.

FMC B700 Aircraft Tow Tractor. Backed by the deepest support in the industry.

B700 SPECIFICATIONS

Model B700	Gross Vehicle Weight (GVW) 70,000 lbs. (31,751 kgs.) 60,000 lbs. (27,216 kgs.) 50,000 lbs. (22,680 kgs.)	Drawbar Pull (DBP)* 56,000 lbs. (25,401 kgs.) (249 kN) 48,000 lbs. (21,733 kgs.) (214 kN) 40,000 lbs. (18,144 kgs.) (178 kN)
Dimensional Characteristics**		
Length (less couplers)	245.5 in. (6,236 mm)	
Width	102.0 in. (2,591 mm)	
Height (without cab)	67.0 in. (1,702 mm)	
Height (with fixed cab)	82.0 in. (2,083 mm)	
Height (with elevated cab @ down position)	67.0 in. (1,702 mm)	
Height (with elevated cab @ up position)	83.5 in. (2,120 mm)	
Wheelbase	100.0 in. (2,540 mm)	
Ground Clearance	9.0 in. (229 mm)	
Performance Characteristics		
Maximum Travel Speeds		
Forward	15 mph (24 km/h)	
Reverse	10 mph (16 km/h)	
Turning Radius (outside)		
Four (4WS) wheel steer	19 ft. 3 in. (5.9 m)	
Two (2WS) wheel steer	28 ft. 3 in. (8.6 m)	
Engine (EPA Certified)		
Manufacturer	Cummins	
Model	6BTA5.9	
Type	Diesel water-cooled, four-cycle Turbocharged & Aftercooled	
Displacement	359 cu. in. (5.88 liters)	
Horsepower	185 hp (138 kW) @ 2200 rpm	
Torque Rating	580 ft. lbs. @ 1500 rpm (786 Nm)	
Fuel Capacity	50 gal (189 Liters)	
Transmission	Funk 2000 series power shift transmission with torque converter and inter-axle differential.	
Axle-Front & Rear	Meritor/Rockwell front and rear planetary drive/steer axles with rigid mounted rear axle and trunnion oscillating mounted front axle. Four wheel drive (4WD)/Four wheel steer (4WS).	
Tires	14.00R25 radials.	
Hydraulic System	Centralized hydraulic system using piston pump with pressure compensation and load sense.	
Steering System	Hydraulic operated steering control valve which actuates twin steering cylinders mounted on both the front and rear axles.	
Brake System	Service: Hydraulic operated pressure regulated dual system brake valve with four (4) wheel caliper disk brakes. Front and rear brakes backed up with an electro-hydraulic motor and pump. Park: Hydraulic valve actuated spring applied and hydraulic released caliper disc brakes mounted on both front and rear axle input pinion flanges.	
Electrical System	Twenty-four volt (24) negative ground system. Four (4) batteries with heavy duty starter and alternator.	
Instrument Panel	Gauges: Fuel level gauge • Voltmeter gauge • Hourmeter • Engine coolant temperature gauge • Engine oil pressure gauge • Transmission oil pressure gauge • Hydraulic system pressure gauge. Switches: Keyless anti-restart ignition switch/shutdown switch • Light switch • Steering mode selector switch • Auxiliary standby steering switch (momentary toggle). Warning & Indicator Lights: Transmission high oil temperature warning light • Engine low oil pressure warning light/alarm • Engine high coolant temperature/engine low coolant level warning light/alarm • Alternator warning light • Fuel level warning light • Hydraulic oil level warning light • Park brake "ON" light • Shift inhibit light	

For more information, contact:



Standard Features

- Removable ballast weights.
- Heavy duty front and rear single drop pin type couplers (multiple pin diameters available).
- Recessed sealed beam headlights, recessed brake/tail lights, recessed back up/reverse lights.
- Steering wheel with center horn button and turn signal/flash lever switch.
- Driver and passenger seating.
- Anti-restart keyless ignition switch.
- Pedal actuated (hydraulic applied) accelerator.
- Pedal actuated (hydraulic applied) service brake.
- Lever actuated (electric applied) shifter with ECM sensory intelligence capability.
- Valve actuated (spring applied) hydraulic released park brake.
- Four wheel drive (4WD) and Four wheel steer (4WS).
- Three (3) position steer mode switch for front (2WS) steer, coordinated (4WS) steer and crab (4WS) steer.

Safety Features

- Engine protection system for high coolant temperature and low oil pressure.
- Hydraulic protection system for high temperature.
- Electro-Hydraulic back up steering and braking system.
- Park brake interlock.
- Down shift inhibitor.
- Back up alarm.

Optional Features

- All weather cab with removable hinged doors, sliding door windows, tempered safety glass, wipers and washers, heater and defroster, inside and outside mirrors, turn signals/flash lights, ventilation fan and interior light.
- Multiple position and adjustment suspension seating.
- Flashing or rotating beacon.
- Front and rear coupler lights with independent switch.
- Front and rear coupler mirrors.
- Front and rear headlight and taillight guards.
- Emergency shutdown button.
- Integral hydraulic lift jack system.
- Auto lubrication system.
- On-board fire suppression system (manual activated).
- Intercom jacks and cable system.
- Rear camera and monitor system.
- Elevating cab.
- GPU platform.
- Fire extinguishers.
- Winterization protection.
- Seat belts.
- Custom paint finishes.