

# FMC B700 Aircraft Tow Tractor



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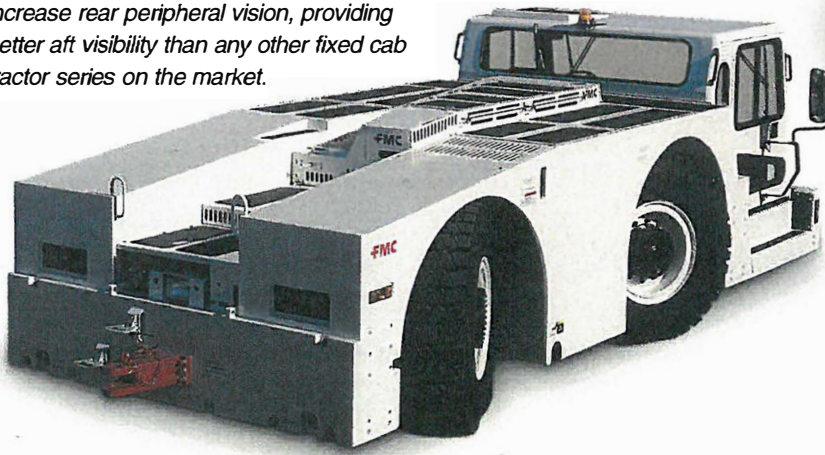
## FMC B700. Full-featured versatility to handle aircraft up to the Airbus A340.

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 6BTA5.9-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.



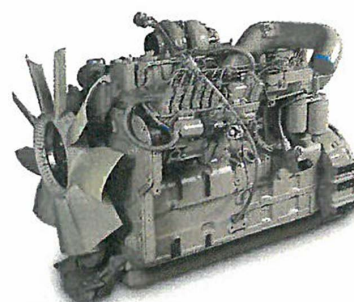
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**FMC**



**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 life 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                                 | <b>Gross Vehicle Weight (GVW)</b><br>70,000 lbs. (31,751 kgs.)<br>60,000 lbs. (27,216 kgs.)<br>50,000 lbs. (22,680 kgs.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Drawbar Pull (DBP)*</b><br>56,000 lbs. (25,401 kgs.) (249 kN)<br>48,000 lbs. (21,733 kgs.) (214 kN)<br>40,000 lbs. (18,144 kgs.) (178 kN) |
| <b>Dimensional Characteristics**</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                              |
| <b>Performance Characteristics</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| <b>Maximum Travel Speeds</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Forward                                    | 15 mph (24 km/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                              |
| Reverse                                    | 10 mph (16 km/h)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                              |
| <b>Turning Radius (outside)</b>            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| Four (4WS) wheel steer                     | 19 ft. 3 in. (5.9 m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                              |
| Two (2WS) wheel steer                      | 28 ft. 3 in. (8.6 m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                              |
| <b>Engine (EPA Certified)</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                              |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                              |
| <b>Transmission</b>                        | Funk 2000 series power shift transmission with torque converter and inter-axle differential.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                              |
| <b>Axle-Front &amp; Rear</b>               | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                              |
| <b>Tires</b>                               | 14.00R25 radials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                              |
| <b>Hydraulic System</b>                    | Centralized hydraulic system using piston pump with pressure compensation and load sense.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                              |
| <b>Steering System</b>                     | Hydraulic operated steering control valve which actuates twin steering cylinders mounted on both the front and rear axles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                              |
| <b>Brake System</b>                        | <b>Service:</b> 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.<br><b>Park:</b> Hydraulic valve actuated spring applied and hydraulic released caliper disc brakes mounted on both front and rear axle input pinion flanges.                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                              |
| <b>Electrical System</b>                   | Twenty-four volt (24) negative ground system. Four (4) batteries with heavy duty starter and alternator.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                              |
| <b>Instrument Panel</b>                    | <b>Gauges:</b> Fuel level gauge • Voltmeter gauge • Hourmeter • Engine coolant temperature gauge • Engine oil pressure gauge • Transmission oil pressure gauge • Hydraulic system pressure gauge.<br><b>Switches:</b> Keyless anti-restart ignition switch/shutdown switch • Light switch • Steering mode selector switch • Auxiliary standby steering switch (momentary toggle).<br><b>Warning &amp; Indicator Lights:</b> 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:



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#### 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/flashing 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/flashing 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.