

**120M MOTORIZED ROAD GRADER**  
**TAMCN: B0078**



TC-511

| <i>National Stock Number/ID Number</i> |        |
|--|--------|
| 3805-01-566-0558                       | 11621A |

**DESCRIPTION AND FUNCTION**

The 120M Motorized Road Grader is a self-propelled grading machine powered by a diesel engine. It has rubber tires, six-wheel drive, and an articulated frame with front-wheel steer design. It is equipped with a 12' blade with a minimum shoulder reach of 6' outside the wheels and has a minimum lift above ground of 16". It is reconfigurable to accept an armored cab. The advanced joystick control system replaces the traditional array of levers and steering wheel, which greatly simplifies motor grader operation by placing total machine, drawbar, and moldboard control into both of the operator's hands. Applications of the 120M include grading coarse and fine soil, creating low and high bank slopes, flat and V-ditches, scarifying, removing snow, and building and maintaining roads and airfields.

**OPERATING AND SHIPPING DATA**

**Operating Mode**

|                 |                         |
|-----------------|-------------------------|
| Weight:         | 37,000 lb               |
| With Armor      | 44,000 lb               |
| Width:          | 105 in.                 |
| Length:         | 352 in.                 |
| Height:         | 129 in.                 |
| Cube:           | 2,759.2 ft <sup>3</sup> |
| Square Stowage: | 256.7 ft <sup>2</sup>   |

**Manufacturer**

Caterpillar

**Shipping Mode**

|  |                         |
|--|-------------------------|
| Weight with split cab removed:                         | 37,000 lb               |
| Weight with split cab removed and armor cab installed: | 43,000 lb               |
| Width:   | 105 in.                 |
| Length:  | 352 in.                 |
| Height with split cab removed:                         | 102 in.                 |
| Cube:  | 2,181.7 ft <sup>3</sup> |
| Square Stowage:  | 256.7 ft <sup>2</sup>   |

**Capacity**

|                            |           |
|----------------------------|-----------|
| Fuel Consumption per Hour: | 4 gallons |
| Lift Capacity:             | N/A       |

**Replaced Item(s)**

B1082

**Transportability**

C-5 and C-17 aircraft

**Associated TAMCN(s)**

N/A