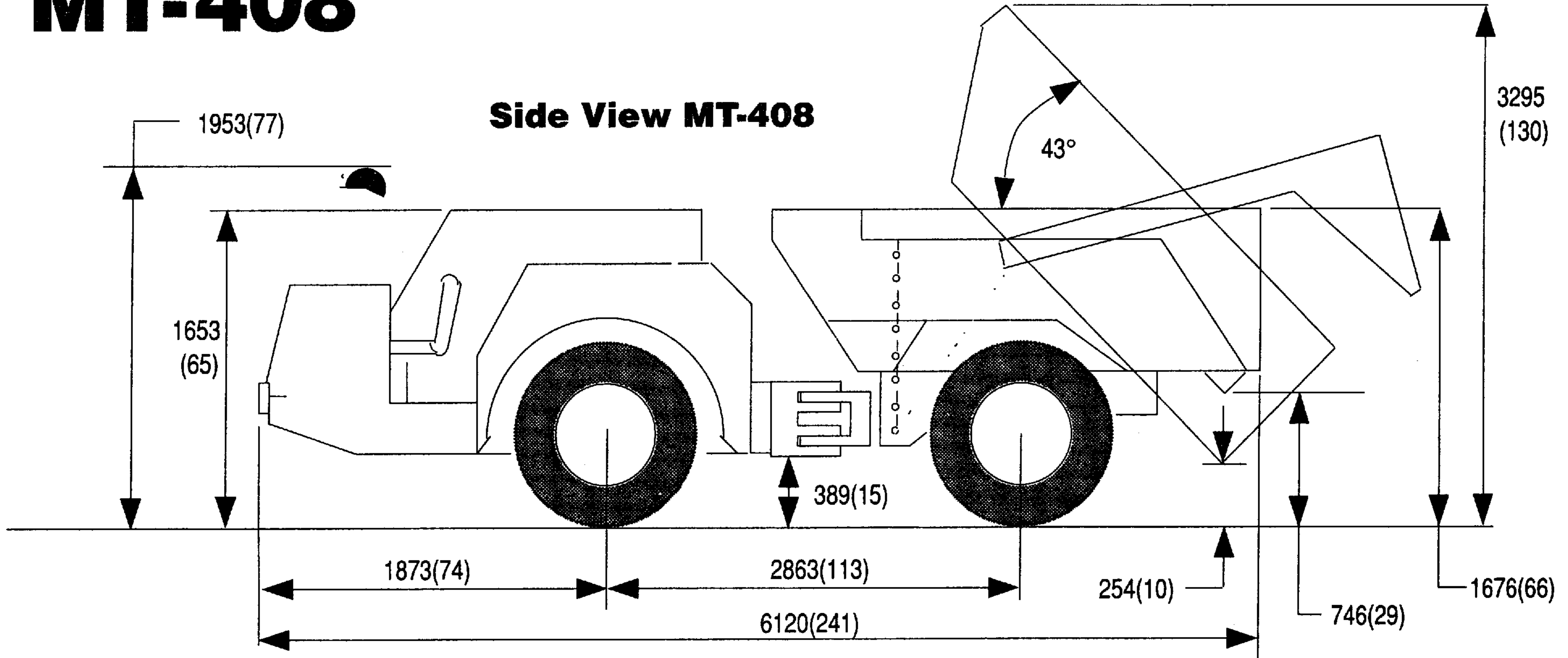
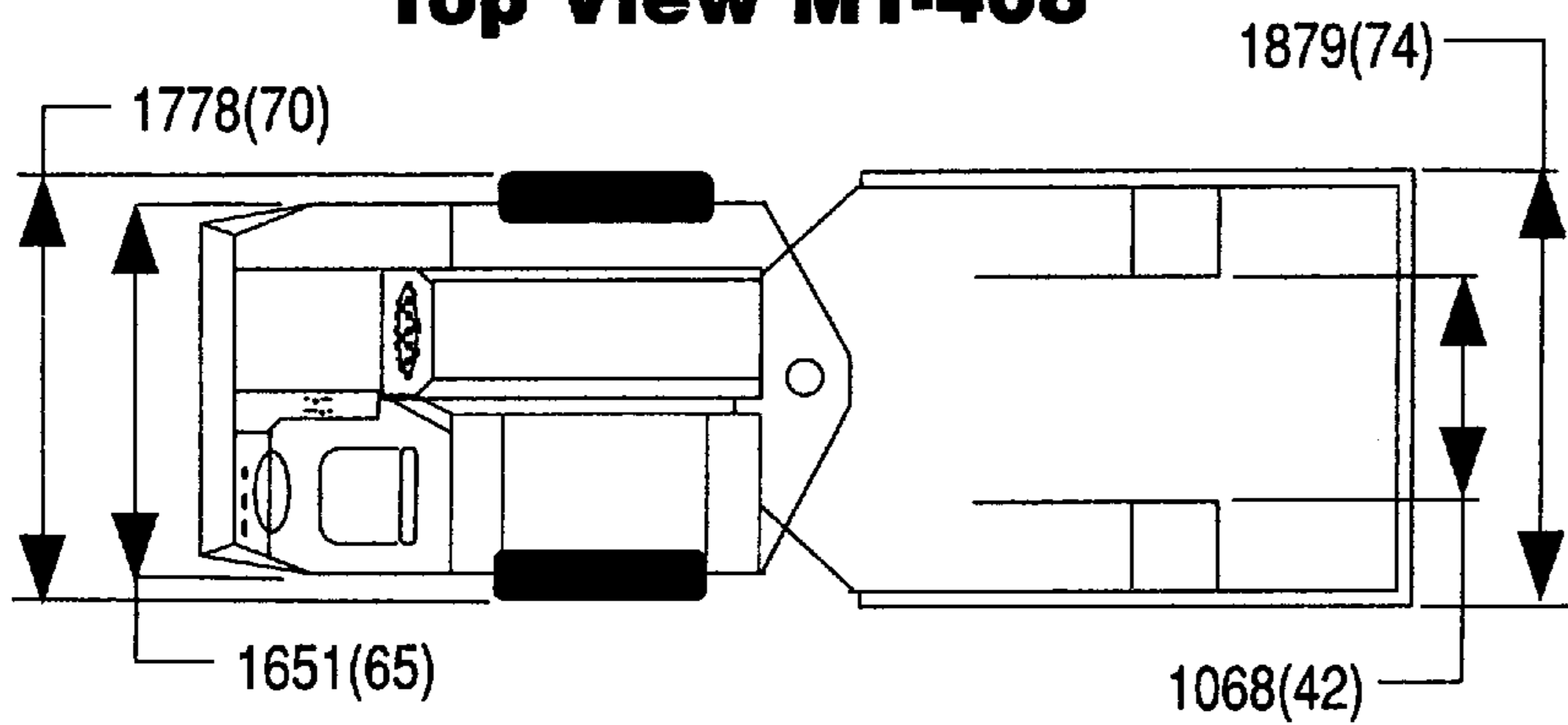


MT-408

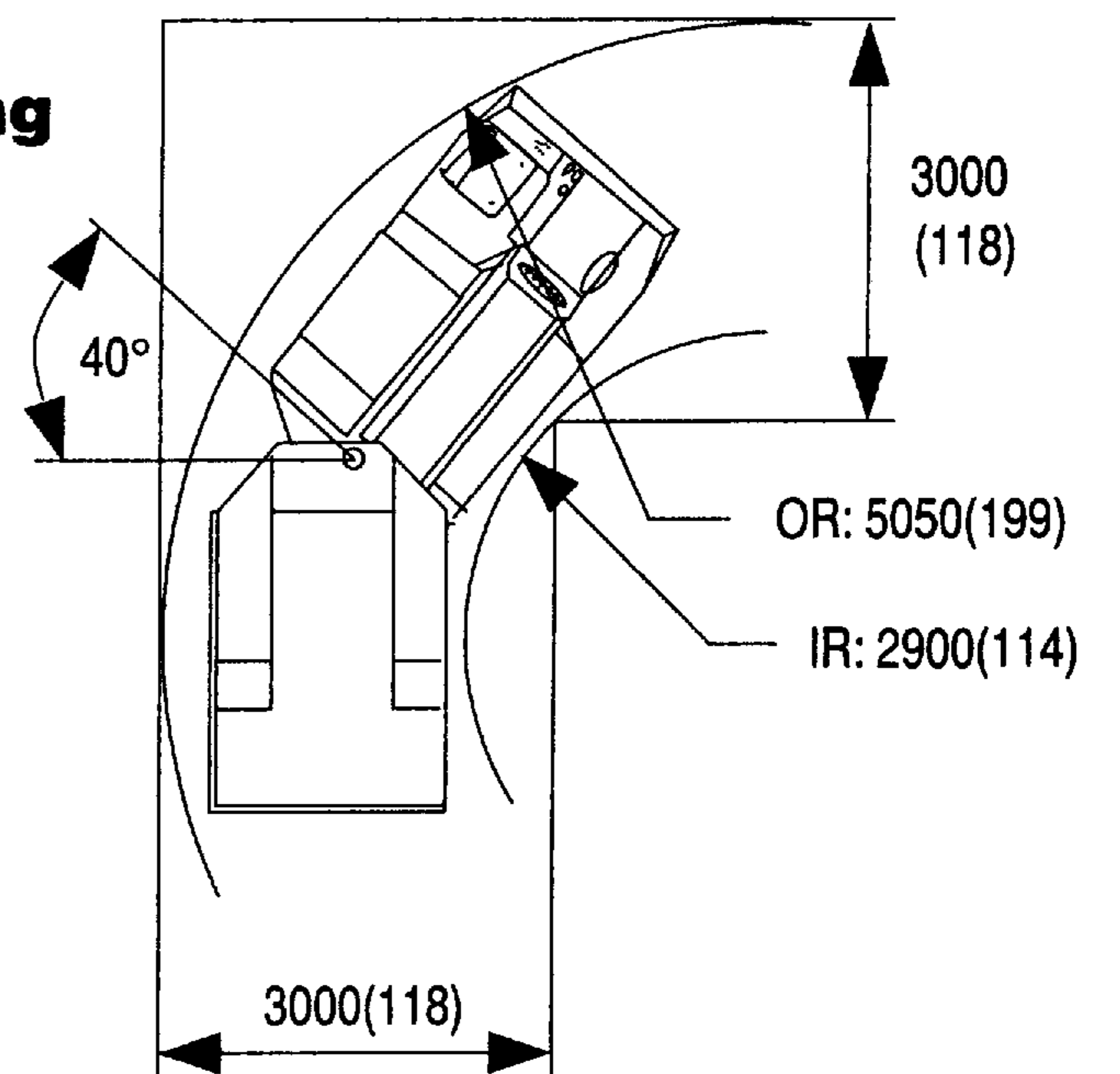
Side View MT-408



Top View MT-408



Top Turning View MT-408



NOTE: Dimensions are shown in millimeters (inches) and based on an unloaded vehicle tire radius of 563 (22.2). All dumpbox dimensions are based on a box for material weighing 1.8T/m³ (3,000 lbs/yd³) and a semi-heaped load.

Standard Features

- | | | |
|---|--------------------------------------|--|
| 0701 – Fail-To-Safe Brakes | 5550 – Hydraulic Pressure Test Ports | 7200 – Batteries |
| 2101 – Dry Type Air Cleaner(s) | 5700 – Neutral Start Protection | 7300 – Halogen Working Lights |
| 2410 – Electric Start | 5801 – SAHR® Brake System | 7400 – Electric Warning Horn |
| 4005 – Ford Axles | 5810 – Automatic Brake Application | 7403 – Audio/Visual Back Up Alarm |
| 4002 – Steering Hinge Lock | 6001 – Seat Belts | 8008 – SAHR Override Control |
| 5221 – Primary & Secondary Fuel Filters | 6105 – Forward Seating/Facing | 8073 – Engine Hour Meter |
| 5350 – Converter Oil Cooler | 7004 – Sealed Electrical System | 8093 – Engine Low oil/High temp. Alarm |
| | 7100 – Alternator | |

Vehicle Configuration

- | | | |
|--|--|--------------------------------|
| 0117 – Box: 4.4 m ³ (5.75 yd ³) | 0501 – Conventional Front Differential | 1102 – Grammer Seat |
| 0207 – Deutz Diesel F6L-912W | 0601 – Conventional Rear Differential | 4520 – Tailgate |
| 0321 – Rock Tough™ Purifier & Silencer | 0801 – 12.00R20 Michelin X-Mine D2 | 5401 – Central Lubrication |
| 0400 – No Canopy | 0902 – Wheel Steering Control | 8067 – Hydraulic Trans Control |
| | 1001 – Single Lever Dump Control | |

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TECHNICAL SPECIFICATION – STANDARD

MT-408

**Diesel
Mine Truck**

Capacity	kg	(lbs)
Payload	7983	(17,600)
	m3	(yd3)
Volume, S.A.E. Heaped	4.8	(6.3)
Volume, S.A.E. Semi-Heaped	4.4	(5.75)
Volume, S.A.E. Struck	4.0	(5.2)

Discharging

Time 15 Seconds

Vehicle Speeds - Loaded

Forward or Reverse with 3% Rolling Resistance

Gear	1st	2nd	3rd
Speed in km/h	7.9	14.5	28.6
Speed in mph	4.9	9.0	17.8

Gradeability

Maximum See Performance Curve

Engine

Deutz Diesel F6L-912W
 MSHA Power Rating @ 2,300 rpm 61 kW (82 hp)
 Max. Torque @ 1,500 rpm 275 Nm (203 ft.lbs)
 Number of Cylinders 6, In Line
 Displacement 5.7 L (346 in3)
 Cooling Air
 MSHA Ventilation 212.5 m3/min. (7,500 cfm)

Exhaust Conditioner

Catalytic Purifier, Plus Exhaust Silencer

Electrical System

24 Volt Starting, 24 Volt Accessories

Transmission

Full Power Shift, 3 Speeds Forward/Reverse, Integral
 Torque Converter
 Clark 18000 Series

Axles

Spiral Bevel Differential, Inboard Planetary Drive
 Ford E9NN 4000

Standard Brakes

Service Fail-To-Safe
 Spring Applied Hydraulically Released; Fully Enclosed,
 In-Board Wet Discs
 Parking and Emergency Same

Tires

Tube Type, Radial, Heavy Duty Tread Design, For
 Underground Mine Service, On Demountable Rims
 Size, Front & Rear 12.00R20 Michelin X-Mine D2, L5

Steering

Articulated, Hydraulic Power Steering,
 Hydraulic Rotary Servo (Wheel) Control
 Turning Angle 80° (40° each way)
 System Pressure 13.8 MPa (2,000 psi)

Hydraulic System

Cylinders Double Acting with Chrome Plated Stems
 Steering Cylinders (2) Diameter 76 mm (3.0 in)
 Hoist Cylinder (1) Diameter 114 mm (4.5 in)
 Pumps Heavy Duty Gear Type
 Dump 38 lpm (10 gpm) @ 2,400 rpm
 Steering 38 lpm (10 gpm) @ 2,400 rpm
 Filtration Return Line: 4 Micron

Tank Capacities

	liters	(gallons)
Fuel	81	(21)
Hydraulic Oil	65	(17)

Oscillation

In Articulation Joint with Tapered Roller Bearings
 Degree of Oscillation Total 20°

Operator's Arrangement

Forward Facing Seating and Steering

Operating Weight

	kg	(lbs)
Empty, Approximate	7348	(16,200)