



19932 West 157th Street
Olathe, Kansas 66062
(800) 669-6288
(913) 829-6787
Fax (913) 829-6821

Freightliner M2

Vehicle Configuration

M2 112 Conventional Chassis
2006 Model Year Specified
Set Back Axle - Truck
Trailer Towing Provision at End of Frame for Truck
LH Primary Steering Location

General Service

Truck/trailer Configuration
Domiciled, USA 50 States (With California)
Construction Service
Construction Business Segment
Building Material Commodity
Terrain/duty: 100% (All) of the Time, in Transit, Is Spent on
Paved Roads
Maximum 8% Expected Grade
Rough, Maintained, Concrete or Asphalt Pavement - Most
Severe In-transit (Between Sites) Road Surface
Freightliner Level II Warranty
Expected Front Axle(s) Load : 20000.0 Lbs
Expected Rear Drive Axle(s) Load : 46000.0 Lbs
Expected Gross Vehicle Weight Capacity : 66000.0 Lbs
Expected Gross Combination Weight : 80000.0 Lbs

Truck Service

Flatbed/platform/stake Body
Expected Truck Body Length : 27.5 Ft

Tractor Service

Single (1) Trailer

Engine

MBE4000-435 12.8l 435 HP @ 1900 RPM, 2000 Gov RPM;
1550 LB/FT @ 1100 RPM

Engine Equipment

2004 EPA/Carb Emission Certification
Engine Mounted Oil Check and Fill
Six Piece Valve Cover
Side of Hood Air Intake with Firewall Mounted Donaldson Air
Cleaner
DR 12V 145 AMP 24-SI Quadra Mount Pad Alternator
(3) Alliance 1031 Group 31 12V MF 2280 CCA Threaded Stud
Batteries
Battery Box Frame Mounted
Battery Box Frame Mounted Left-Hand Side 60" Aft of Cab
Frame Ground Return for Battery Cables
Non-polished Battery Box Cover
Battery Shutoff Switch(s) in Cab Mounted Outboard of Driver
Seat



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Positive Post for Jump Start
Eaton Fuller 15-1/2" Dampened Ceramic 2 Plate, 4 Button, 7
Spring, Low Rate, Easy Pedal Clutch
Torque-limiting Clutch Brake
Zerk Fitting at Clutch Release Bearing
Mechanical Clutch Control
Wabco 15.5 CFM Air Compressor
Teflon Compressor Discharge Line
Electronic Engine Integral Shutdown Protection System
Mercedes Benz Off/Low/High Compression and Exhaust Brake
Single Horizontal Muffler with Horizontal Tail Pipe Exhaust,
RH Mounted
Horton Drivemaster On/Off Fan Drive
Automatic Control Without Dash Switch
MBE Fuel Filter
Full Flow Oil Filter
1350 Square Inch Radiator
Antifreeze to -34°F, Ethylene Glycol Pre-Charged SCA Heavy
Duty Coolant
Gates Blue Stripe Coolant Hoses
Constant Tension Hose Clamps for Coolant Hoses
Phillips-Temro 1500 Watt/115 Volt Block Heater
Black Plastic Engine Heater Receptacle Mounted under LH
Door
Aluminum Flywheel Housing
Mitsubishi 12V 105P55 Type Starter
Transmission
Eaton Fuller RTO-16908LL Transmission
Transmission Equipment
Aluminum Clutch Housing
Customer Installed PTO, Chelsea SR 221,442,489,812
PTO Mounting, Bottom of Main Transmission
Magnetic Plugs, Engine Drain, Transmission Fill and Drain,
Axle(s) Fill and Drain
Painted Shift Lever, Solid Linkage
Air to Oil Transmission Cooler
Front Axle and Equipment
MFS-20-133A FL1 20,000# Single Front Axle
Heritor 16.5x6 Q+ Cast Spider Cam Front Brakes, Double
Anchor, Fabricated Shoes
Non-asbestos Front Brake Lining
Conmet Cast Iron Front Brake Drums
Chicago Rawhide Scotseal Front Oil Seals
Vented Front Hub Caps - Oil
Standard Spindle Nuts for All Axles
Meritor Automatic Front Slack Adjusters



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TRW THP-60 Power Steering with RCH45 Auxiliary Gear
Power Steering Pump
4 Quart Power Steering Reservoir
Oil/air Power Steering Cooler

Front Suspension

20,000# Taperleaf Front Suspension
Graphite Bronze Bushings with Seals - Front Suspension
Front Shock Absorbers
Rear Axle and Equipment
RT-46-164 EH R-series Tandem Rear Axle @ 46,000#
4.89 Rear Axle Ratio
Iron Rear Axle Carrier with Standard Axle Housing
176t Meritor Main Driveline with Half Round Yokes
17t Meritor Interaxle Driveline with Half Round Yokes
Driver Controlled Traction Differential - Both Tandem Rear

Axles

(1) DCDL Forward and Rear, Rear Axle Valve and (1) Interaxle
Lock Control Valve

Blinking Lamp with Each Mode Switch, Interaxle Unlock
Default with Ignition off

Blinking Lamp with Each Mode Switch, Differential Unlock
with Ignition Off, Active

Meritor 16.5x7 Q+ Cast Spider Cam Rear Brakes, Double
Anchor, Fabricated Shoes

Non-asbestos Rear Brake Lining

Standard Brake Chamber Location

Conmet Cast Iron Rear Brake Drums

Chicago Rawhide Scotseal Rear Oil Seals

Haldex Long Stroke 2-drive Axles Spring Parking Chambers

Gunite Automatic Rear Slack Adjusters

Rear Suspension

Tuftrac 46,000# Rear Spring Suspension

Tuftrac Standard Ride Height

Axle Clamping Group

56" Axle Spacing

Fore/Aft and Transverse Control Rods

Rear Shock Absorbers - Two Axles (Tandem)

Brake System

Air Brake Package

Wabco 4S/4M ABS Without Traction Control Enhancement

Reinforced Nylon, Fabric Braid and Wire Braid Chassis Air
Lines

Standard Brake System Valves

Relay Valve with 5-8 PSI Crack Pressure No Rear Proportioning
Valve

BW AD-9 Brake Line Air Dryer with Heater



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Steel Air Brake Reservoirs
Pull Cables on All Air Reservoir(s)

Trailer Connections

Air Connections to End of Frame with Glad Hands for Truck
Primary Connector/receptacle Center Pin Powered Through
Ignition
SAE J560 7-way Primary Trailer Cable Receptacle Mounted
End of Frame
Upgraded Chassis Multiplexing Unit
Upgraded Bulkhead Multiplexing Unit
Supplemental ISO 3731 7-way Receptacle Located with Primary
Receptacle

Wheelbase & Frame

7000MM (276") Wheelbase
7/16" X 3-9/16" X 11-1/8" Steel Frame (11.11MM X
282.6MM/.437" X 11.13")120KSI
1/4" (6MM) C-channel Inner Frame Reinforcement
3975MM (157") Rear Frame Overhang
Underslung Crossmember
Square End of Frame
Light Weight Heavy Duty Aluminum Engine Crossmember
Standard Rearmost Crossmember
Heavy Duty Suspension Crossmember

Chassis Equipment

Three-piece 14" Painted Steel Bumper with Collapsible Ends
Front Tow Hooks - Frame Mounted
Bumper Mounting for Single License Plate
Clear Frame Rails 60" from Back of Cab Inboard and Outboard
of Both Frame Rails
Grade 8 Threaded Hex-headed Frame Fasteners

Fuel Tanks

60 Gallon/227 Liter Aluminum Fuel Tank - RH
60 Gallon/227 Liter Aluminum Fuel Tank - LH
23" Diameter Fuel Tank(s)
Plain Aluminum/painted Steel Fuel/hydraulic Tank(s) with
Painted Bands
Fuel Tank(s) Forward
Fuel Tank Cap(s)
Alliance Fuel Filter/Water Separator
Equiflo Inboard Fuel System
Reinforced Nylon Fuel Hose

Tires

425/65R22.5 20 Ply Radial Front Tires
Michelin XZY-3 425/65R22.5 20 Ply Radial Front Tires
11R22.5 14 Ply Radial Rear Tires
Michelin XDE M/S 11R22.5 14 Ply Radial Rear Tire



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Hubs

- Conmet Iron Front Hubs
- Conmet Iron Rear Hubs

Wheels

- Accuride 29807 22.5X12.25 10-hub Pilot 4.75 Inset 5-hand
Steel Disc Front Wheels
- Accuride 28408 22.5X8.25 10-hub Pilot 2-hand Steel Disc Rear
Wheels

Cab Exterior

- 112" BBC Flat Roof Aluminum Conventional Cab
- No Sleeper Box/Sleepercab
- Leaf Spring Rear Cab Suspension
- 2-1/2" Fender Extensions
- Painted Plastic Grille
- Fiberglass Hood
- Single 14" Round Polished Air Horn
- Single Electric Horn
- Single Horn Shield
- All Locks Keyed the Same
- Rear License Plate Mount End of Frame
- Integral Headlight/Marker Assembly
- (5) Amber Marker Lights
- Integral Stop/Tail/Backup Lights
- Standard Front Turn Signal Lamps
- Dual Bright Heated West Coast Mirrors
- Door Mounted Mirrors
- 102" Equipment Width
- LH/RH 8" Bright Finish Convex Mirrors Mounted under
Primary Mirrors
- RH down View Mirror
- RH Fender Mounted Sure plus 8" Convex Mirror and Bracket,
Bright
- Standard Side/Rear Reflectors
- Composite Exterior Sun Visor
- 63"X14" Tinted Rear Window
- Tinted Door Glass LH and RH with Tinted Non-operating Wing
Windows
- Manual Door Window Regulators
- Tinted Windshield
- 8 Liter Windshield Washer Reservoir Without Fluid Level
Indicator

Cab Interior

- Opal Gray Vinyl Interior
- Molded Plastic Door Panel
- Molded Plastic Door Panel
- Gray Vinyl Mats with Insulation



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Dash Mounted Ash Trays and Lighter
Forward Roof Mounted Console with Upper Storage
 Compartments Without Netting
In Dash Storage Bin
(2) Cup Holders LH and RH Dash
Gray/Charcoal Flat Dash
Smart Switch Expansion Module
Heater, Defroster and Air Conditioner
Main HVAC Controls with Recirculation Switch
Standard Heater Plumbing
Sanden Compact Air Conditioner Compressor
Binary Control, R-134A
Silencer Package for Cab
Solid-state Circuit Protection and Fuses
12V Negative Ground Electrical System
Dome Door Activated LH, Dual Reading Light, Forward Cab
 Roof
Cab Door Latches with Manual Door Locks
(1) 12V Power Supply in Dash
Bostrom Talladega 910 High Back Air Suspension Driver Seat
2-Man Mid-Back Tool Box Passenger Seat
LH/RH Integral Door Panel Armrests
Black Cordura Plus Cloth Driver Seat Cover
Black Cordura Plus Cloth Passenger Seat Cover
3 Point Driver and Passenger (Outside) with Seat Belt Retr. 2
 Point (Center)
Adjustable Tilt and Telescoping Steering Column
4-Spoke 18" (450MM) LK Charcoal Steering Wheel
Driver/Passenger Interior Sun Visors
Instruments & Controls
 Black Gauge Bezels
 Gray Instrument Panel-driver
 Gray Center Instrument Panel
 Low Air Pressure Light and Buzzer
 2" Primary and Secondary Air Pressure Gauges
 Intake Mounted Air Restriction Indicator Without Graduations
 Cruise Control - Electronic Engine, with Switches in LH Switch
 Panel
 Key Operated Ignition Switch and Integral Start Position; 4
 Position Off/Run/Start/Accessory
 Odometer/Trip/Hour/Diagnostic/Voltage Display: 1X7
 Character, 26 Warning Lamps, Data Linked, ICU3
 Diagnostic Interface Connector, 9 Pin, SAE J1587/1708/1939,
 Located below Dash
 2" Electric Fuel Gauge
 Programmable Rpm Control - Electronic Engine



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Electrical Engine Coolant Temperature Gauge
Engine and Trip Hour Meters Integral Within Driver Display
(1) Electric/air Dash Mounted PTO Switch with Indicator Lamp
Electric Engine Oil Pressure Gauge
Overhead Instrument Panel
F/L XTA-2000 AM/FM/WB Radio by Delphi
Dash Mounted Radio
(2) Radio Speakers (Cab Only)
AM/FM Antenna Mounted on Forward LH Roof
Power and Ground Studs In/Under Dash
Roof/Overhead Console CB Radio Provision with Face Plate
Electronic MPH Speedometer with Secondary KPH Scale,
Without Odometer
Electronic Tachometer 3000 RPM
Ignition Switch Controlled Engine Stop
Two Extra Switches in Dash with Indicator Lamp with Wire to
Chassis at Back of Cab/Sleeper
BW Tractor Protection Valve
Trailer Brake Valve, Hand Control
Digital Voltage Display Integral with Driver Display
Single Electric Windshield Wiper Motor with Delay
Marker Light Switch Integral with Headlight Switch
Two Valve Parking Brake System with Warning Indicator
Self Canceling Turn Signal Switch with Dimmer, Washer/Wiper
and Hazard in Handle
Integral Electronic Turn Signal Flasher

Design
Paint: One Solid Color

Color
Cab Color A: N0006EA White Elite SS
Black, High Solids Polyurethane Chassis Paint
Vendor White Front Wheels/rims
Vendor White Rear Wheels/rims
Bumper Paint: FP24812 Argent Silver Dupont Flex
Ext Sun Visor Paint: N0006EA White Elite SS