

SPECIFICATION PROPOSAL

Vehicle Configuration

FREIGHTLINER M2 106 CONVENTIONAL CHASSIS
2011 MODEL YEAR SPECIFIED
SET BACK AXLE - TRUCK

General Service

FIRE SERVICE
EMERGENCY VEHICLES BUSINESS SEGMENT
MEDIUM TRUCK WARRANTY
EXPECTED FRONT AXLE(S) LOAD : 14600 lbs
EXPECTED REAR DRIVE AXLE(S) LOAD : 40000 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY :
54600 lbs

Engine

CUM ISC-330 330 HP @ 2000 RPM, 2200 GOV, 1000
LB/FT @ 1400 RPM

Engine Equipment

2007 EPA/CARB EMISSION CERTIFICATION
NFPA COMPLIANT EMBER SCREEN AND FIRE
RETARDANT DONALDSON AIR CLEANER
LN 12V 270 AMP 4949PA PAD MOUNT ALTERNATOR
WITH AC TAPS
(3) ALLIANCE MODEL 1031, GROUP 31, 12 VOLT
MAINTENANCE FREE 2280 CCA THREADED STUD
BATTERIES W/ JUMPSTART POST
BATTERY BOX FRAME MOUNTED
CUMMINS 18.7 CFM COMPRESSOR WITH INTERNAL
SAFETY VALVE
STEEL AIR COMPRESSOR DISCHARGE LINE WITH
INTEGRAL QUICK CONNECT SYSTEM CHARGING
VALVE
FIRE AND EMERGENCY SERVICE VEHICLES
ENGINE WARNING
CUMMINS EXHAUST BRAKE INTEGRAL WITH
VARIABLE GEOMETRY TURBO
RH HORIZONTAL AFTERTREATMENT DEVICE
HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH
SWITCH, NON ENGINE MOUNTED
1100 SQUARE INCH ALUMINUM RADIATOR
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-
CHARGED SCA HEAVY DUTY COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT

ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED
MAGNETIC SWITCH

Transmission

ALLISON 3000 EVS 5 SPD AUTOMATIC
TRANSMISSION WITH PTO PROVISION

Transmission Equipment

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION
DRAIN, AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL,
DASH MOUNTED
WATER TO OIL TRANSMISSION COOLER
TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

AF-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE
FRONT AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE, NON-
ASBESTOS FRONT LINING
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
TRW TAS-85 POWER STEERING
2 QUART SEE THROUGH POWER STEERING
RESERVOIR

Front Suspension

14,600# TAPERLEAF FRONT SUSPENSION
MAINTENANCE FREE RUBBER BUSHINGS - FRONT
SUSPENSION
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

RT-40-145 40,000# R-SERIES TANDEM REAR AXLE
IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY
DUTY AXLE HOUSING
17T MERITOR MAIN DRIVELINE WITH HALF ROUND
YOKES
17T MERITOR INTERAXLE DRIVELINE WITH HALF
ROUND YOKES
(1) INTERAXLE LOCK CONTROL VALVE FOR
TANDEM OR TRIDEM DRIVE AXLES
BLINKING LAMP WITH EACH MODE SWITCH,
INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF

MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR
BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE NON-
ASBESTOS REAR BRAKE LINING
CHICAGO RAWHIDE SCOTSEAL PLUS XL REAR OIL
SEALS
GUNITE AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

TUFTRAC 40,000# REAR SPRING SUSPENSION
AXLE CLAMPING GROUP
54 INCH AXLE SPACING
FORE/AFT AND TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - ONE AXLE

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
CUSTOM STEEL AIR BRAKE RESERVOIRS
STANDARD AIR SYSTEM PRESSURE PROTECTION
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER -
WET TANK

Electrical Connections

UPGRADED CHASSIS MULTIPLEXING UNIT
UPGRADED BULKHEAD MULTIPLEXING UNIT

Frame Specifications

11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
1/4" C-CHANNEL INNER FRAME REINFORCEMENT
CUSTOM MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
HEAVY DUTY SUSPENSION CROSSMEMBER

Chassis Equipment

THREE-PIECE 14 INCH CHROME STEEL BUMPER
WITH COLLAPSIBLE ENDS AND LH WING CUTOUT
FOR SPEAKER
FRONT TOW HOOKS - FRAME MOUNTED
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

50 GALLON ALUMINUM FUEL TANK
PLAIN ALUMINUM/PAINTED STEEL FUEL TANK
WITH PAINTED BANDS
ALLIANCE FUEL FILTER/WATER SEPARATOR

Tires

12R22.5 16 PLY RADIAL FRONT TIRES
11R22.5 14 PLY RADIAL M&S REAR TIRES

Hubs

CONMET PRE-SET BEARING IRON FRONT HUBS
CONMET PRE-SET BEARING IRON REAR HUBS

Wheels

22.5X8.25 10-HUB PILOT ALUMINUM DISC FRONT WHEELS
22.5X8.25 10-HUB PILOT ALUMINUM REAR WHEELS
POLISHED FRONT WHEELS; OUTSIDE ONLY
POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY - STEEL INNER

Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
AIR CAB MOUNTS
NFPA COMPLIANT EXTERIOR GRAB HANDLES
HOOD MOUNTED CHROMED PLASTIC GRILLE
CHROMED HOOD MOUNTED AIR INTAKE GRILLE
DUAL GROVER 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS
DUAL ELECTRIC HORNS
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL
LED AERODYNAMIC MARKER LIGHTS
DAYTIME RUNNING LIGHTS
DUAL 102" WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
LH AND RH 8" BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
TINTED WINDSHIELD
8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM KICKPLATE LOWER DOORS

GRAY VINYL MATS WITH INSULATION
FORWARD ROOF MOUNTED CONSOLE WITH
UPPER STORAGE COMPARTMENTS WITHOUT
NETTING
IN DASH STORAGE BIN
(2) CUP HOLDERS LH AND RH DASH
HEATER, DEFROSTER AND AIR CONDITIONER
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
CAB INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY
LH AND RH DOORS
(1) 12 VOLT POWER SUPPLY IN DASH
HIGH BACK AIR SUSPENSION DRIVER SEAT NFPA
COMPLIANT
HIGH BACK NON SUSPENSION PASSENGER SEAT
WITH UNDERSEAT STORAGE NFPA COMPLIANT
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
NFPA COMPLIANT HIGH VISIBILITY SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING
COLUMN
4-SPOKE 18 INCH STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

BLACK GAUGE BEZELS
LOW AIR PRESSURE LIGHT AND BUZZER
2 INCH PRIMARY AND SECONDARY AIR PRESSURE
GAUGES
ENGINE COMPARTMENT MOUNTED AIR
RESTRICTION INDICATOR WITH GRADUATIONS,
WITH WARNING LIGHT IN DASH
97 DB BACKUP ALARM
IGNITION SWITCH WITH NON REMOVABLE KEY
ODOMETER/TRIP/HOUR/DIAGNOSTIC/VOLTAGE
DISPLAY: 1X7 CHARACTER, 26 WARNING LAMPS,
DATA LINKED, ICU3
2 INCH ELECTRIC FUEL GAUGE
ELECTRICAL ENGINE COOLANT TEMPERATURE
GAUGE
2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
ENGINE AND TRIP HOUR METERS INTEGRAL
WITHIN DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM/WB DASH MTD RADIO W/ (2) SPEAKERS
 ELECTRONIC MPH SPEEDOMETER WITH
 SECONDARY KPH SCALE
 ELECTRONIC 3000 RPM TACHOMETER
 DIGITAL VOLTAGE DISPLAY INTEGRAL WITH
 DRIVER DISPLAY
 SINGLE ELECTRIC WINDSHIELD WIPER MOTOR
 WITH DELAY
 MARKER LIGHT SWITCH INTEGRAL WITH
 HEADLIGHT SWITCH
 ONE VALVE PARK BRAKE SYSTEM WITH DASH
 VALVE
 SELF CANCELING TURN SIGNAL SWITCH WITH
 DIMMER, WASHER/WIPER AND HAZARD IN HANDLE
 INTEGRAL ELECTRONIC TURN SIGNAL FLASHER
 WITH HAZARD LAMPS OVERRIDING STOP LAMPS

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: RED ELITE
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
 PAINT

T O T A L V E H I C L E S U M M A R Y

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7123 LBS	7386 LBS	14509 LBS

(+) Weights shown are estimates only.

