

FREIGHTLINER SPECIFICATION PROPOSAL

Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS
2012 MODEL YEAR SPECIFIED
SET BACK AXLE - TRUCK

General Service

FIRE SERVICE
EMERGENCY VEHICLES BUSINESS SEGMENT
MEDIUM TRUCK 2 YEAR WARRANTY
EXPECTED FRONT AXLE LOAD: 14600 lbs
EXPECTED REAR DRIVE AXLE LOAD: 40000 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY
54600 lbs

Engine

CUM ISC-350 350 HP @ 2000 RPM, 2200 GOV, 1000
LB/FT @ 1400 RPM

Engine Equipment

2010 EPA/CARB EMISSION CERTIFICATION
NFPA COMPLIANT EMBER SCREEN AND FIRE
RETARDANT DONALDSON AIR CLEANER
DR 12V 275 AMP 40-SI QUADRAMOUNT PAD
ALTERNATOR WITH REMOTE BATTERY VOLTAGE
SENSE
(2) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT
MAINTENANCE FREE 2200 CCA THREADED STUD
BATTERIES WITH POSITIVE JUMPSTART POST
BATTERY BOX FRAME MOUNTED
WIRE GROUND RETURN FOR BATTERY CABLES WITH
ADDITIONAL FRAME GROUND RETURN
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED
CONTROL SWITCH MOUNTED OUTBOARD DRIVER
SEAT
CUMMINS 18.7 CFM AIR COMPRESSOR WITH
INTERNAL SAFETY VALVE
CUMMINS EXHAUST BRAKE INTEGRAL WITH
VARIABLE GEOMETRY TURBO
RH MTD HORIZONTAL AFTERTREATMENT SYSTEM
HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH,
NON ENGINE MOUNTED
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER



1100 SQUARE INCH ALUMINUM RADIATOR WITH
SENDURE HEAT EXCHANGER
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-
CHARGED SCA HEAVY DUTY COOLANT
GATES BLUE STRIPE COOLANT HOSES OR
EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT
HOSES
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

TRANSMISSION PROGNOSTICS - ENABLED
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

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 EXTENDED LUBE MAIN DRIVELINE
WITH HALF ROUND YOKES
17T MERITOR EXTENDED LUBE INTERAXLE
DRIVELINE WITH HALF ROUND YOKES
(1) INTERAXLE LOCK VALVE FOR TANDEM 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
GUNITE AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

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

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITH TRACTION CONTROL
NFPA COMPLIANT ENHANCED STABILITY 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

Wheelbase & Frame

(226 INCH) WHEELBASE / (160 INCH) CA
11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
(105 INCH) REAR FRAME OVERHANG

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 POLISHED ALUMINUM FUEL TANK



ALLIANCE FUEL FILTER/WATER SEPARATOR
6 GALLON DIESEL EXHAUST FLUID TANK

Tires

MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES
MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR
TIRES

Hubs

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

Wheels

22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC
FRONT WHEELS
22.5X8.25 10-HUB PILOT POLISHED ALUMINUM DISC
REAR OUTER WHEELS

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 25 INCH ROUND STUTTER TONE HOOD
MOUNTED AIR HORNS
DUAL ELECTRIC HORNS
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
2 GALLON WINDSHIELD WASHER RESERVOIR WITH
FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM
KICKPLATE LOWER DOORS
BLACK MATS WITH SINGLE 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
GRAY VINYL DRIVER SEAT COVER WITH GRAY CORDURA CLOTH BOLSTER AND HEADREST
GRAY VINYL FRONT PASSENGER SEAT COVER WITH GRAY CORDURA CLOTH BOLSTER AND HEADREST
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
FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING
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 RADIO WITH FRONT AUXILIARY INPUT
 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

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7291 LBS	6901 LBS	14192 LBS

(+) Weights shown are estimates only.

