

SPECIFICATION PROPOSAL

Vehicle Configuration

FREIGHTLINER M2 106 CONVENTIONAL CHASSIS
2010 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 : 24000 lbs
EXPECTED GROSS VEHICLE WEIGHT CAPACITY :
38,600 lbs

Engine

CUM ISC-300 300 HP @ 2000 RPM, 2200 GOV, 860
LB/FT @ 1300 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
BATTERY BOX FRAME MOUNTED
POSITIVE POST FOR JUMPSTART
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 WITH
HORIZONTAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC
OVER THE ROAD ACTIVE REGENERATION AND
DASH MOUNTED SINGLE REGENERATION
REQUEST/INHIBIT SWITCH
HORTON DRIVEMASTER ON/OFF FAN DRIVE

AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
1100 SQUARE INCH ALUMINUM RADIATOR W/ SENDURE HEAT EXCHANGER
ANTIFREEZE TO -34F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT
GATES BLUE STRIPE 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

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

24,000 LB FIRE/EMERGENCY SERVICE SINGLE REAR AXLE
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING

17T MERITOR MAIN DRIVELINE WITH HALF ROUND YOKES
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING
MERITOR AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

24,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER, WITH RADIUS ROD, FOR FIRE/EMERGENCY SERVICE
SPRING SUSPENSION - 1.50" AXLE SPACER
CUSTOM AXLE CLAMPING GROUP

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

Wheelbase & Frame

(196") WHEELBASE
11/32"X3-1/2"X10-15/16" STEEL FRAME 120KSI
(75 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 RECTANGULAR ALUMINUM FUEL TANK
PLAIN ALUMINUM/PAINTED STEEL FUEL TANK WITH PAINTED BANDS
ALLIANCE FUEL FILTER/WATER SEPARATOR
EQUIFLO INBOARD FUEL SYSTEM
REINFORCED NYLON FUEL HOSE

Tires

CONTINENTAL HSR 12R22.5 16 PLY RADIAL FRONT
TIRES
CONTINENTAL HDL 11R22.5 16 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 ALUMINUM DISC FRONT
WHEELS
22.5X8.25 10-HUB PILOT ALUMINUM REAR OUTER
WHEELS
POLISHED FRONT WHEELS; OUTSIDE ONLY
POLISHED REAR WHEELS; OUTSIDE OF OUTER
WHEELS ONLY

Cab Exterior

106" 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
FREIGHTLINER 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
63 INCHX14 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
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY
LH AND RH DOORS
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
HIGH BACK AIR SUSPENSION DRIVER SEAT – NFPA
COMPLIANT
2 MAN HIGH BACK NON SUSPENSION PASSENGER
SEAT – 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" 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 PARKING BRAKE SYSTEM WITH
 WARNING INDICATOR
 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: MED RED ELITE
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
 PAINT

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	6868 LBS	3857 LBS	10725 LBS

(+) Weights shown are estimates only.

