

FREIGHTLINER SPECIFICATION PROPOSAL

Vehicle Configuration

114SD CONVENTIONAL CHASSIS
2013 MODEL YEAR SPECIFIED
SET FORWARD AXLE - TRUCK

General Service

FIRE SERVICE
EMERGENCY VEHICLES BUSINESS SEGMENT
FREIGHTLINER LEVEL II WARRANTY
EXPECTED FRONT AXLE LOAD: 14000 lbs
EXPECTED REAR DRIVE AXLE LOAD: 44000 lbs

Engine

CUM ISL 400 HP @ 2100 RPM; 2200 GOV RPM, 1250
LB/FT @ 1400 RPM, RECREATION/FIRE/EMERGENCY

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
(3) ALLIANCE MODEL 1231, GROUP 31, 12 VOLT
MAINTENANCE FREE 3375 CCA THREADED STUD
BATTERIES
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
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART
LOCATED ON FRAME NEXT TO STARTER
CUMMINS 18.7 CFM AIR COMPRESSOR WITH
INTERNAL SAFETY VALVE
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING
DASH SWITCH
RH MTD HORIZONTAL AFTERTREATMENT ASSEMBLY
WITH RH B-PILLAR MTD VERTICAL BRIGHT CURVED
TAILPIPE
STAINLESS STEEL AFTERTREATMENT
DEVICE/MUFFLER/TAILPIPE SHIELD
HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH,
NON ENGINE MOUNTED

1300 SQUARE INCH ALUMINUM RADIATOR WITH
SENDURE HEAT EXCHANGER
ANTIFREEZE TO -34F, NOAT EXTENDED LIFE
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
WATER TO OIL TRANSMISSION COOLER, IN
RADIATOR END TANK
TRANSMISSION OIL CHECK AND FILL WITH
ELECTRONIC OIL LEVEL CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295
COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-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
FRONT BRAKE DUST SHIELDS
SKF SCOTSEAL PLUS XL FRONT OIL SEALS
VENTED FRONT HUB CAPS WITH WINDOW, CENTER
AND SIDE PLUGS - OIL
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

MT-44-14X 44,000# R-SERIES TANDEM REAR AXLE
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING
REAR BRAKE DUST SHIELDS
GUNITE AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

TUFTRAC 46,000# REAR SPRING SUSPENSION
56 INCH AXLE SPACING
FORE/AFT AND TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - ONE AXLE

Brake System

WABCO 4S/4M ABS WITH TRACTION CONTROL
NFPA COMPLIANT ENHANCED STABILITY CONTROL
STANDARD AIR SYSTEM PRESSURE PROTECTION
WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
CUSTOM STEEL AIR BRAKE RESERVOIRS
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER - WET TANK

Wheelbase & Frame

(258 INCH) WHEELBASE / (174 INCH) CA
11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
(105 INCH) REAR FRAME OVERHANG

Chassis Equipment

16.5 INCH CHROME STEEL STRAIGHT BUMPER
REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME
GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

70 GALLON RECTANGULAR POLISHED ALUMINUM FUEL TANK

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

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

114 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTS
NONREMOVABLE BUGSCREEN MOUNTED BEHIND
GRILLE
NFPA COMPLIANT EXTERIOR GRAB HANDLES
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL
STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS
CHROMED HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
HOOD LINER INSULATION WITH SINGLE FIREWALL
INSULATION
VALVE AND PLUMBING FOR CUSTOMER FURNISHED
AIR HORN, PIPING CAPPED AT FIREWALL
DUAL ELECTRIC HORNS
DOOR LOCKS AND IGNITION SWITCH KEYED THE
SAME
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT
BEZELS
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
STANDARD SIDE/REAR REFLECTORS
AERO BRIGHT EXTERIOR SUN VISOR

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
INTERIOR CONVENIENCE PACKAGE
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM
KICKPLATES LOWER DOORS
BLACK MATS WITH SINGLE INSULATION
FORWARD ROOF MOUNTED CONSOLE WITH UPPER
STORAGE COMPARTMENTS AND ADDITIONAL
CENTER COMPARTMENT WITHOUT NETTING
IN DASH STORAGE BIN
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
HEATER, DEFROSTER AND AIR CONDITIONER
MAIN HVAC CONTROLS WITH RECIRCULATION
SWITCH
PREMIUM INSULATION WITH ADDED FLOOR HEAT
AND NOISE INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME DOOR ACTIVATED LH AND RH, DUAL READING
LIGHTS, FORWARD CAB ROOF
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
(1) 12 VOLT POWER SUPPLY IN DASH
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR
SUSPENSION DRIVER SEAT WITH NFPA 1901-2009
COMPLIANT SEAT SENSOR
SEATS INC 911 UNIVERSAL SERIES HIGH BACK NON
SUSPENSION PASSENGER SEAT WITH UNDERSEAT
STORAGE AND NFPA 1901-2009 COMPLIANT SEAT
SENSOR
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
GRAY VINYL SEAT COVERS WITH GRAY CORDURA
CLOTH BOLSTERS AND HEADRESTS
3 POINT HIGH VISIBILITY ORANGE RETRACTOR
DRIVER AND RH FRONT PASSENGER SEAT BELTS
WITH NFPA 1901-2009 COMPLIANT SENSOR AND
DASH HARNESS
ADJUSTABLE TILT AND TELESCOPING STEERING
COLUMN
4-SPOKE 18 INCH STEERING WHEEL

DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

WOODGRAIN INSTRUMENT PANELS
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
PRECO MODEL 360, CONSTANT 107 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL
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 DASH MTD RADIO WITH 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
ALTERNATING FLASHING HEADLAMP SYSTEM WITH DASH SWITCH
ONE VALVE PARK BRAKE SYSTEM WITH DASH VALVE CONTROL
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
CHASSIS PAINT: BLACK, HIGH SOLIDS
POLYURETHANE CHASSIS PAINT

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7966 LBS	7518 LBS	15484 LBS

(+) Weights shown are estimates only.