

Make and Model

Freightliner Medium Duty, Business Class M2 Truck

Description	Meets Specifications? (Yes/No, Comment)
Price Level	
M2 PRL-72E (EFF:10/02/08)	
Data Version	
SPECPRO21 DATA RELEASE VER 003	
Vehicle Configuration	
M2 106V CONVENTIONAL CHASSIS	
2010 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 (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)	
CONSTRUCTION SERVICE	
GOVERNMENT BUSINESS SEGMENT	
DIRT/SAND/ROCK COMMODITY	
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS	
MAXIMUM 8% EXPECTED GRADE	
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE	
MEDIUM TRUCK WARRANTY	
EXPECTED FRONT AXLE(S) LOAD : 14000.0 lbs	
EXPECTED REAR DRIVE AXLE(S) LOAD : 21000.0 lbs	
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 35000.0 lbs	
EXPECTED GROSS COMBINATION WEIGHT : 60000.0 lbs	
Truck Service	
FRONT PLOW/END DUMP BODY	
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0	
Tractor Service	
FLATBED TRAILER	
SINGLE (1) TRAILER	
Engine	
CUM ISC-260 260 HP @ 2000 RPM, 2200 GOV, 800 LB/FT @ 1300 RPM	
Electronic Parameters	
LOW IDLE ADJUST - YES	
CRUISE CONTROL SET SPEED SAVE - NO	
CRUISE CONTROL ENABLE - YES	

CRUISE CONTROL AUTO RESUME - NO
GEAR DOWN PROTECTION ENABLE - NO
CUM+/IS_ IDLE TIMER SHUTDOWN ENABLE - NO
IDLE TIMER SHUTDOWN/PTO MODE - NO
CUM+/IS_ IDLE TIMER SHUTDOWN/OVERRIDE-NO
CUMMINS PTO THROTTLE OVERRIDE ENABLE
CUMMINS PTO BRAKE OVERRIDE ENABLE
CUMMINS PTO CLUTCH OVERRIDE ENABLE
ONE (1) REMOTE PTO SET SPEED
PTO/REMOTE PTO - YES
ENGINE BRAKE W/SERVICE BRAKE-CUM-N
AUTOMATIC ENGINE BRAKE IN CRUISE - NO
VSS ANTI-TAMPERING - YES
REMOTE THROTTLE - CUMMINS - DISABLE
POWERTRAIN PROTECTION - DISABLE

Engine Equipment

2007 EPA/CARB EMISSION CERTIFICATION
2008 CARB EMISSION CERTIFICATION - CLEAN IDLE
(INCLUDES 6X4 INCH LABEL ON LEFT SIDE OF
HOOD)
ENGINE MOUNTED OIL CHECK AND FILL
ONE PIECE VALVE COVER
SIDE OF HOOD AIR INTAKE WITH FIREWALL
MOUNTED DONALDSON AIR CLEANER
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD
ALTERNATOR
(3) ALLIANCE MODEL 1031, GROUP 31, 12 VOLT
MAINTENANCE FREE 2280 CCA THREADED STUD
BATTERIES
BATTERY BOX FRAME MOUNTED
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE
BACK OF CAB
FRAME GROUND RETURN FOR BATTERY CABLES
NON-POLISHED BATTERY BOX COVER
CUMMINS 18.7 CFM COMPRESSOR WITH INTERNAL
SAFETY VALVE
STEEL AIR COMPRESSOR DISCHARGE LINE WITH
INTEGRAL QUICK CONNECT SYSTEM CHARGING
VALVE
ELECTRONIC ENGINE INTEGRAL SHUTDOWN
PROTECTION SYSTEM
CUMMINS EXHAUST BRAKE INTEGRAL WITH
VARIABLE GEOMETRY TURBO
RH OUTBOARD UNDER STEP MOUNTED
HORIZONTAL AFTERTREATMENT DEVICE WITH RH
CAB MOUNTED VERTICAL TAILPIPE
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC
OVER THE ROAD REGENERATION AND DASH
MOUNTED REGENERATION REQUEST SWITCH
11 FOOT 06 INCH (138 INCH+0/-5 INCH) EXHAUST
SYSTEM HEIGHT
RH CURVED VERTICAL TAILPIPE B-PILLAR
MOUNTED ROUTED FROM STEP
STAINLESS STEEL AFTERTREATMENT
DEVICE/MUFFLER/TAILOUTLET SHIELD

HORTON DRIVEMASTER ON/OFF FAN DRIVE
AUTOMATIC FAN CONTROL WITH DASH SWITCH
AND INDICATOR LIGHT, NON ENGINE MOUNTED
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER
1000 SQUARE INCH ALUMINUM RADIATOR
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
RADIATOR DRAINCOCK
OMIT PTO FRONT OF ENGINE
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK
HEATER
BLACK PLASTIC ENGINE HEATER RECEPTACLE
MOUNTED UNDER LH DOOR
ALUMINUM FLYWHEEL HOUSING
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED
MAGNETIC SWITCH

Transmission

ALLISON 3000 RDS AUTOMATIC TRANSMISSION
WITH PTO PROVISION

Transmission Equipment

WTEC CALIBRATION - 6 SPEED RDS/TRV (PACKAGE
113)
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION
DRAIN, AXLE(S) FILL AND DRAIN
PUSH BUTTON ELECTRONIC SHIFT CONTROL,
DASH MOUNTED
TRANSMISSION PROGNOSTICS - DISABLED(N/A)
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

MFS-14-143A 14,700# FF1 SINGLE FRONT AXLE
MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT
BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS FRONT BRAKE LINING
CONMET CAST IRON FRONT BRAKE DRUMS
CHICAGO RAWHIDE SCOTSEAL PLUS XL FRONT
OIL SEALS
VENTED FRONT HUB CAPS - OIL
STANDARD SPINDLE NUTS FOR ALL AXLES
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
TRW TAS-85 POWER STEERING
POWER STEERING PUMP
2 QUART SEE THROUGH POWER STEERING
RESERVOIR

ORGANIC SAE 80/90 FRONT AXLE LUBE

Front Suspension

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

Rear Axle and Equipment

RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
4.89 REAR AXLE RATIO
IRON REAR AXLE CARRIER WITH STANDARD AXLE
HOUSING
176T MERITOR MAIN DRIVELINE WITH HALF ROUND
YOKES
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR
BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
NON-ASBESTOS REAR BRAKE LINING
BRAKE CAMS AND CHAMBERS ON REAR SIDE OF
DRIVE AXLE(S)
CONMET CAST IRON REAR BRAKE DRUMS
CHICAGO RAWHIDE SCOTSEAL PLUS XL REAR OIL
SEALS
HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE
SPRING PARKING CHAMBERS
MERITOR AUTOMATIC REAR SLACK ADJUSTERS
ORGANIC SAE 80/90 REAR AXLE LUBE

Rear Suspension

23,000# FLAT LEAF SPRING REAR SUSPENSION
WITH RADIUS ROD
SPRING SUSPENSION - NO AXLE SPACERS
STANDARD U-BOLT PAD
FORE/AFT CONTROL RODS

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITHOUT TRACTION CONTROL
REINFORCED NYLON, FABRIC BRAID AND WIRE
BRAID CHASSIS AIR LINES
FIBER BRAID PARKING BRAKE HOSE
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
AIR DRYER MOUNTED INBOARD ON LH RAIL
STEEL AIR BRAKE RESERVOIRS
PULL CABLE ON WET TANK, PETCOCK DRAIN
VALVES ON ALL OTHER AIR TANKS

Trailer Connections

AIR CONNECTIONS TO END OF FRAME WITH GLAD
HANDS FOR TRUCK
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR
COMBINATION STOP/TURN, CENTER PIN POWERED
THROUGH IGNITION
SAE J560 7-WAY PRIMARY TRAILER CABLE
RECEPTACLE MOUNTED END OF FRAME

UPGRADED CHASSIS MULTIPLEXING UNIT
MOUNTED UNDER CAB
UPGRADED BULKHEAD MULTIPLEXING UNIT
SUPPLEMENTAL ISO 3731 7-WAY RECEPTACLE
LOCATED WITH PRIMARY RECEPTACLE

Wheelbase & Frame

4275MM (168 INCH) WHEELBASE
11/32X3-1/2X10-3/16 INCH STEEL FRAME
(8.73MMX258.8MM/0.344X10.19 INCH) 120KSI
1900MM (75 INCH) REAR FRAME OVERHANG
FRAME OVERHANG RANGE: 71 INCH TO 80 INCH
6 INCH INTEGRAL FRONT FRAME EXTENSION
SQUARE END OF FRAME
FRONT CLOSING CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REAR MOST CROSSMEMBER
STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

THREE-PIECE 14 INCH PAINTED STEEL BUMPER
WITH COLLAPSIBLE ENDS
FRONT TOW HOOKS - FRAME MOUNTED
BUMPER MOUNTING FOR SINGLE LICENSE PLATE
NO MUDFLAP BRACKETS
NO REAR MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME
FASTENERS

Fuel Tanks

NO RH FUEL TANK
50 GALLON/189 LITER ALUMINUM FUEL TANK - LH
23 INCH DIAMETER FUEL TANK(S)
PLAIN ALUMINUM/PAINTED STEEL
FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
FUEL TANK(S) FORWARD
PLAIN STEP FINISH
FUEL TANK CAP(S)
ALLIANCE FUEL FILTER/WATER SEPARATOR
EQUIFLO INBOARD FUEL SYSTEM
REINFORCED NYLON FUEL HOSE

Tires

GOODYEAR G287 HSS 315/80R22.5 20 PLY RADIAL
FRONT TIRES
GOODYEAR G177 11R22.5 16 PLY RADIAL REAR
TIRES

Hubs

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

Wheels

ACCURIDE 29039 22.5X9.00 10-HUB PILOT 5.25
INSET 5-HAND STEEL DISC FRONT WHEELS
ACCURIDE 28828 22.5X8.25 10-HUB PILOT 2-HAND
HD STEEL DISC REAR WHEELS

Cab Exterior

106 INCH BBC FLAT ROOF ALUMINUM
CONVENTIONAL CAB
AIR CAB MOUNTS
NONREMOVABLE BUGSCREEN MOUNTED BEHIND
GRILLE
2-1/2" FENDER EXTENSIONS
LH AND RH GRAB HANDLES
STATIONARY BRIGHT FINISH GRILLE
ARGENT SILVER HOOD MOUNTED AIR INTAKE
GRILLE
FIBERGLASS HOOD
SINGLE 14 INCH ROUND POLISHED AIR HORN
ROOF MOUNTED
SINGLE ELECTRIC HORN
SINGLE HORN SHIELD
DOOR LOCKS AND IGNITION SWITCH KEYED THE
SAME
REAR LICENSE PLATE MOUNT END OF FRAME
SINGLE ROUND HALOGEN HEADLIGHTS
FREIGHTLINER LED AERODYNAMIC MARKER
LIGHTS
INTEGRAL STOP/TAIL/BACKUP LIGHTS
STANDARD FRONT TURN SIGNAL LAMPS
DUAL WEST COAST BRIGHT FINISH HEATED
MIRRORS WITH LH AND RH REMOTE
DOOR MOUNTED MIRRORS
102 INCH EQUIPMENT WIDTH
LH AND RH 8" BRIGHT FINISH CONVEX MIRRORS
MOUNTED UNDER PRIMARY MIRRORS
STANDARD SIDE/REAR REFLECTORS
63X14 INCH 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, CAB
MOUNTED, WITHOUT FLUID LEVEL INDICATOR

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED PLASTIC DOOR PANEL WITH ALUMINUM
KICKPLATE LOWER DOOR
MOLDED PLASTIC DOOR PANEL WITH ALUMINUM
KICKPLATE LOWER DOOR
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
GRAY/CHARCOAL FLAT DASH
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING

MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
SANDEN COMPACT AIR CONDITIONER COMPRESSOR
BINARY CONTROL, R-134A
CAB INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOME DOOR ACTIVATED LH, DUAL READING LIGHTS, FORWARD CAB ROOF
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS
BOSTROM TALLADEGA 910 HIGH BACK AIR SUSPENSION DRIVER SEAT
BOSTROM TALLADEGA 910 HIGH BACK AIR SUSPENSION PASSENGER SEAT
LH AND RH INTEGRAL DOOR PANEL ARMRESTS
VINYL WITH VINYL INSERT DRIVER SEAT
VINYL WITH VINYL INSERT PASSENGER SEAT
3 POINT FIXED D-RING RETRACTOR DRIVER AND PASSENGER SEAT BELTS
FIXED STEERING COLUMN
4-SPOKE 18 INCH (450MM) STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

BLACK GAUGE BEZELS
GRAY DRIVER INSTRUMENT PANEL
GRAY CENTER INSTRUMENT PANEL
LOW AIR PRESSURE LIGHT AND BUZZER
(1) SINGLE BRAKE APPLICATION AIR GAUGE
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
97 DB BACKUP ALARM
ELECTRONIC CRUISE CONTROL 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 INCH ELECTRIC FUEL GAUGE
PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
TRANSMISSION OIL TEMPERATURE INDICATOR LIGHT
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE

OVERHEAD INSTRUMENT PANEL
AM/FM/WB RADIO
DASH MOUNTED RADIO
(2) RADIO SPEAKERS IN CAB
POWER AND GROUND WIRING PROVISION
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION
WITH FACE PLATE
MULTI-BAND AM/FM/WB/CB LH MIRROR MOUNTED
ANTENNA SYSTEM
ELECTRONIC MPH SPEEDOMETER WITH
SECONDARY KPH SCALE, WITHOUT ODOMETER
ELECTRONIC 3000 RPM TACHOMETER
IGNITION SWITCH CONTROLLED ENGINE STOP
(8) EXTRA SWITCHES IN DASH; (4) WITH INDICATOR
LAMPS AND WIRES TO CHASSIS AT BACK OF CAB,
(4) WIRED BY BODY BUILDER
BW TRACTOR PROTECTION VALVE
TRAILER HAND CONTROL BRAKE VALVE
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
WITH HAZARD LAMPS OVERRIDING STOP LAMPS

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