S P E C I F I C A T I O N P R O P O S A L

Vehicle Configuration

M2 106 CONVENTIONAL CHASSIS

2020 MODEL YEAR SPECIFIED

SET BACK AXLE - TRUCK

STRAIGHT TRUCK PROVISION

LH PRIMARY STEERING LOCATION

General Service

TRUCK CONFIGURATION

DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)

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 : 8000.0 lbs

EXPECTED REAR DRIVE AXLE(S) LOAD : 18000.0 lbs

EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 26000.0 lbs

Engine

CUM B6.7 260 HP @ 2400 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

Electronic Parameters

85 MPH ROAD SPEED LIMIT

CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT

PTO MODE ENGINE RPM LIMIT - 1100 RPM

PTO RPM WITH CRUISE SET SWITCH - 700 RPM

PTO RPM WITH CRUISE RESUME SWITCH - 800 RPM

PTO MODE CANCEL VEHICLE SPEED - 5 MPH

PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND

PTO MINIMUM RPM - 700

REGEN INHIBIT SPEED THRESHOLD - 5 MPH

Engine Equipment

2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION

2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)

STANDARD OIL PAN

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 WITH REMOTE BATTERY VOLT SENSE

(2) ALLIANCE MODEL 1131, GROUP 31, 12 VOLT MAINTENANCE FREE 1900 CCA BATTERIES

BATTERY BOX FRAME MOUNTED

STANDARD BATTERY JUMPERS

SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB

WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN

NON-POLISHED BATTERY BOX COVER

CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE

STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR

AIR COMPRESSOR DISCHARGE LINE

ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM

CUMMINS EXHAUST BRAKE INTEGRAL WITH VARIABLE GEOMETRY TURBO WITH ON/OFF DASH SWITCH

RH INBOARD FRAME MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH HORIZONTAL TAILPIPE

ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND DASH MOUNTED REGENERATION REQUEST SWITCH

STANDARD EXHAUST SYSTEM LENGTH

RH STANDARD HORIZONTAL TAILPIPE

6 GALLON DIESEL EXHAUST FLUID TANK

AIR POWERED ON/OFF ENGINE FAN CLUTCH

AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED

CUMMINS SPIN ON FUEL FILTER

FULL FLOW OIL FILTER

700 SQUARE INCH ALUMINUM RADIATOR

ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT

GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT

CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES

RADIATOR DRAIN VALVE

LOWER RADIATOR GUARD

PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER

CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR

ALUMINUM FLYWHEEL HOUSING

ELECTRIC GRID AIR INTAKE WARMER

DELCO 12V 29MT STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 2100 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION

Transmission Equipment

ALLISON VOCATIONAL PACKAGE

PRIMARY MODE GEARS, 6 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY

PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

LOAD BASED SHIFT SCHEDULE AND VEHICLE ACCELERATION CONTROL RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED VOCATIONAL USAGE

CUSTOMER INSTALLED MUNCIE CS6 SERIES PTOWITH ELECTRIC/HYDRAULIC CONTROLS

PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN

DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK BRAKE POSITION

WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK

TRANSMISSION OIL CHECK AND FILL

SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Front Axle and Equipment

DETROIT DA-F-10.0-3 10,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE

MERITOR 15X4 Q+ CAM FRONT BRAKES

NON-ASBESTOS FRONT BRAKE LINING

CONMET CAST IRON FRONT BRAKE DRUMS

FRONT OIL SEALS

VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL

STANDARD SPINDLE NUTS FOR ALL AXLES

MERITOR AUTOMATIC FRONT SLACK ADJUSTERS

TRW THP-60 POWER STEERING

POWER STEERING PUMP

2 QUART SEE THROUGH POWER STEERING RESERVOIR

SYNTHETIC 75W-90 FRONT AXLE LUBE

Front Suspension

10,000# TAPERLEAF FRONT SUSPENSION

MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION

FRONT SHOCK ABSORBERS

Rear Axle and Equipment

MS-19-14X 19,000# R-SERIES SINGLE REAR AXLE

4.88 REAR AXLE RATIO

IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING

SPL100 DANA SPICER 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 FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS

CONMET CAST IRON REAR BRAKE DRUMS

REAR OIL SEALS
HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
MERITOR AUTOMATIC REAR SLACK ADJUSTERS
SYNTHETIC 75W-90 REAR AXLE LUBE

Rear Suspension

AIRLINER 18,000# REAR SUSPENSION
AIRLINER HIGH POSITION RIDE HEIGHT
STANDARD AXLE SEATS IN AXLE CLAMP GROUP
MANUAL DUMP VALVE FOR AIR SUSPENSION WITHOUT GAUGE
INDICATOR LIGHT AND BUZZER FOR EACH REAR SUSPENSION CONTROL SWITCH
SINGLE AIR REAR SUSPENSION LEVELING VALVE
TRANSVERSE CONTROL RODS
REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE SUSPENSION)

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
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
STD U.S. FRONT BRAKE VALVE
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER
PULL CABLES ON ALL AIR RESERVOIR(S)

Trailer Connections

UPGRADED CHASSIS MULTIPLEXING UNIT
UPGRADED BULKHEAD MULTIPLEXING UNIT

Wheelbase & Frame

5950MM (234 INCH) WHEELBASE
9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 142.86 in
FRONT CLOSING CROSSMEMBER
STANDARD WEIGHT ENGINE CROSSMEMBER
STANDARD MIDSHIP #1 CROSSMEMBER(S)
STANDARD REARMOST CROSSMEMBER
STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS
BUMPER MOUNTING FOR SINGLE LICENSE PLATE

FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - RH
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH
RECTANGULAR FUEL TANK(S)
POLISHING OF FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS
FUEL TANK(S) FORWARD
BLACK STEP FINISH
FUEL TANK CAP(S)
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND HAND PRIMER
EQUIFLO INBOARD FUEL SYSTEM
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE

Tires

CONTINENTAL HSR2SA 255/70R22.5 16 PLY RADIAL FRONT TIRES
CONTINENTAL HDR 255/70R22.5 16 PLY RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS IRON FRONT HUBS
CONMET PRESET PLUS IRON REAR HUBS

Wheels

ALCOA LVL ONE 88367X 22.5X8.25 10-HUB PILOT 5.79 INSET ALUMINUM DISC FRONT WHEELS
ALCOA LVL ONE 88367X ALUMINUM OUTSIDE, STEEL INSIDE; 22.5X8.25 10-HP DISC REAR WHEELS
POLISHED FRONT WHEELS; OUTSIDE ONLY
POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY

Cab Exterior

132 INCH BBC HIGH-ROOF EXTENDED ALUMINUM CONVENTIONAL CAB
AIR CAB MOUNTS
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
LH AND RH GRAB HANDLES
HOOD MOUNTED CHROMED PLASTIC GRILLE
CHROME HOOD MOUNTED AIR INTAKE GRILLE
FIBERGLASS HOOD
TUNNEL/FIREWALL LINER
DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED
SINGLE ELECTRIC HORN
DUAL HORN SHIELDS
DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
REAR LICENSE PLATE MOUNT END OF FRAME
INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL

LED AERODYNAMIC MARKER LIGHTS
DAYTIME RUNNING 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 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
STANDARD SIDE/REAR REFLECTORS
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH BLACK COVER
COMPOSITE EXTERIOR SUN VISOR
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)
20X23 INCH LH AND RH TINTED SIDE WINDOWS
TINTED WINDSHIELD
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

OPAL GRAY VINYL INTERIOR
MOLDED DOOR PANEL WITH UPPER VINYL INSERTS
MOLDED DOOR PANEL WITH UPPER VINYL INSERTS
BLACK MATS WITH SINGLE INSULATION
DASH MOUNTED ASH TRAYS AND LIGHTER
FORWARD ROOF MOUNTED CONSOLE WITH UPPER STORAGE COMPARTMENTS AND ADDITIONAL CENTER COMPARTMENT WITHOUT NETTING
IN DASH STORAGE BIN
PLASTIC MANIFEST BOX - LH DOOR
(2) CUP HOLDERS LH AND RH DASH
GRAY/CHARCOAL FLAT DASH
2-1/2 LB. FIRE EXTINGUISHER
HEATER, DEFROSTER AND AIR CONDITIONER
STANDARD HVAC DUCTING
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
STANDARD HEATER PLUMBING
DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR
BINARY CONTROL, R-134A
PREMIUM INSULATION
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
DOOR ACTIVATED DOME/RED MAP LIGHTS, FORWARD LH AND RH AND REAR CENTER
LH AND RH ELECTRIC DOOR LOCKS

PREMIUM HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 3 CHAMBER AIR LUMBAR, INTEGRATED CUSHION EXTENSION, FORWARD AND REAR CUSHION TILT, ADJUSTABLE SHOCK ABSORBER

HIGH BACK NON SUSPENSION PASSENGER SEAT

FULL WIDTH REAR BENCH SEAT

DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS

LH AND RH INTEGRAL DOOR PANEL ARMRESTS

VINYL WITH VINYL INSERT DRIVER SEAT

VINYL WITH VINYL INSERT PASSENGER SEAT

VINYL WITH VINYL INSERT REAR PASSENGER SEAT

BLACK SEAT BELTS

ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN

4-SPOKE 18 INCH (450MM) STEERING WHEEL

DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

WOODGRAIN DRIVER INSTRUMENT PANEL

WOODGRAIN CENTER INSTRUMENT PANEL

BLACK GAUGE BEZELS

LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM

2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES

INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS

ELECTRONIC CRUISE CONTROL WITH SWITCHES IN LH SWITCH PANEL

KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY

ICU3S, 132X48 DISPLAY WITH DIAGNOSTICS, 28 LED WARNING LAMPS AND DATA LINKED

HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

2 INCH ELECTRIC FUEL GAUGE

PROGRAMMABLE RPM CONTROL - ELECTRONIC ENGINE

ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE

2 INCH TRANSMISSION OIL TEMPERATURE GAUGE

ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY

(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP

ELECTRIC ENGINE OIL PRESSURE GAUGE

AM/FM/WB WORLD TUNER RADIO WITH CD PLAYER, BLUETOOTH, IPOD INTERFACE, USB AND AUXILIARY INPUTS, J1939

DASH MOUNTED RADIO

(2) RADIO SPEAKERS IN CAB

AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF

ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER

STANDARD VEHICLE SPEED SENSOR

ELECTRONIC 3000 RPM TACHOMETER

IGNITION SWITCH CONTROLLED ENGINE STOP

(6) IGN CONTROLLED EXTRA SWITCHES WITH IND LIGHTS WIRED TO POWER DIST BOX WITH RELAYS PROVIDING 20 AMPS PER CIRCUIT TO JUNCTION BLOCK AND 1 CIRCUIT AT 30 AMPS

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 SHIFTER CONTROLLED AUTOPARK AND 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:

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT

SUNVISOR PAINTED SAME AS CAB COLOR A

STANDARD E COAT/UNDERCOATING

Certification / Compliance

U.S. FMVSS CERTIFICATION

Secondary Factory Options

CORPORATE PDI CENTER IN-SERVICE ONLY

Extended Warranty

CUM 2017 B6.7: HD1 MD DTY 5 Years / 300,000 Miles / 483,000 km EXTENDED WARRANTY. FEX APPLIES

CUM 2017 B6.7: AT3 MD DTY 5 Years / 300,000 Miles / 483,000 km AFTERTREATMENT. FEX APPLIES

TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE $550 CAP FEX APPLIES

SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE

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