

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

Description	Weight Front	Weight Rear
<b>Vehicle Configuration</b>		
M2 106 CONVENTIONAL CHASSIS	5,759	3,503
2017 MODEL YEAR SPECIFIED		
SET BACK AXLE - TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
<b>General Service</b>		
TRUCK CONFIGURATION		
DOMICILED, CANADA (OTHER THAN QUEBEC)		
FIXED CANADIAN EXCHANGE		
CONSTRUCTION SERVICE		
CONSTRUCTION BUSINESS SEGMENT		
BUILDING MATERIAL COMMODITY		
MEDIUM TRUCK WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 58000.0 lbs		
<b>Engine</b>		
CUM ISL 350 HP @ 2000 RPM, 2200 GOV RPM, 1000 LB/FT @ 1400 RPM	640	30
<b>Electronic Parameters</b>		
65 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
<b>Engine Equipment</b>		
2016 ONBOARD DIAGNOSTICS/2010 EPA/CARB/GHG17 BUT NOT FINAL GHG17 CONFIGURATION		
NO 2008 CARB EMISSION CERTIFICATION		

Description	Weight Front	Weight Rear
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 1231, GROUP 31, 12 VOLT MAINTENANCE FREE 2250 CCA THREADED STUD 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	45	
EATON FULLER 14 INCH DAMPENED CERAMIC CLUTCH, 2 PLATE, STAMPED COVER SOLO (ADJUSTMENT FREE) TORQUE LIMITING CLUTCH BRAKE ZERK FITTING WITH EXTENSION HOSE AT CLUTCH RELEASE BEARING HYDRAULIC CLUTCH CONTROL 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 C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH 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 100 PERCENT DIESEL EXHAUST FLUID FILL		

Description	Weight Front	Weight Rear
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
HORTON DRIVEMASTER ADVANTAGE 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		
1100 SQUARE INCH ALUMINUM RADIATOR	20	
ANTIFREEZE TO -60F, ETHYLENE GLYCOL PRE-CHARGED SCA HEAVY DUTY COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
RADIATOR DRAIN VALVE		
LOWER RADIATOR GUARD		
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ALUMINUM FLYWHEEL HOUSING		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	15	
<b>Transmission</b>		
EATON FULLER RTO-14908LL TRANSMISSION	280	90
<b>Transmission Equipment</b>		
TCU DRIVER SW INPUTS NOT SUPPORTED		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT BACK OF CAB		
CAST IRON CLUTCH HOUSING	40	10
CUSTOMER INSTALLED CHELSEA 230/231/236 SERIES PTO		
PTO MOUNTING, RH SIDE OF MAIN TRANSMISSION		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN		

Description	Weight Front	Weight Rear
PAINTED SHIFT LEVER, SOLID LINKAGE		
SYNTHETIC TRANSMISSION LUBE		
<b>Front Axle and Equipment</b>		
DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10	
NON-ASBESTOS FRONT BRAKE LINING		
CONMET CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS	5	
SKF SCOTSEAL PLUS XL FRONT OIL SEALS		
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
STANDARD SPINDLE NUTS FOR ALL AXLES		
WABCO LONGSTROKE FRONT BRAKE CHAMBERS		
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
TRW TAS-85 POWER STEERING	40	
POWER STEERING PUMP		
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>		
18,000# FLAT LEAF FRONT SUSPENSION	290	
GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION		
NO FRONT SUSPENSION SPRING BRACKET OPTIONS		
NO FRONT SHOCK ABSORBERS	-30	
<b>Rear Axle and Equipment</b>		
RT-46-160 46,000# R-SERIES TANDEM REAR AXLE		2,960
4.56 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 176T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	45	45
MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		40

Description	Weight Front	Weight Rear
(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE BLINKING LAMP WITH EACH INTERAXLE LOCK SWITCH, INTERAXLE UNLOCK DEFAULT WITH IGNITION OFF BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES NON-ASBESTOS REAR BRAKE LINING STANDARD BRAKE CHAMBER LOCATION CONMET CAST IRON REAR BRAKE DRUMS REAR BRAKE DUST SHIELDS SKF SCOTSEAL PLUS XL REAR OIL SEALS HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS HALDEX AUTOMATIC REAR SLACK ADJUSTERS SYNTHETIC 75W-90 REAR AXLE LUBE		20
<b>Rear Suspension</b>		
HENDRICKSON RTE463 REAR SUSPENSION @ 46,000# HENDRICKSON RT/RTE - 7.19" SADDLE STANDARD AXLE SEATS IN AXLE CLAMP GROUP 52 INCH AXLE SPACING STEEL BEAMS AND BRONZE CENTER BUSHINGS WITH BAR PIN ADJUSTABLE END CONNECTIONS FORE/AFT CONTROL RODS		850
<b>Brake System</b>		
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		

Description	Weight Front	Weight Rear
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 MOUNTED INSIDE RAIL PULL CABLES ON ALL AIR RESERVOIR(S)	20	
<b>Trailer Connections</b>		
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN ABS		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME UPGRADED CHASSIS MULTIPLEXING UNIT UPGRADED BULKHEAD MULTIPLEXING UNIT NO HIGH CURRENT TRAILER/BODY CABLE	5	5
<b>Wheelbase &amp; Frame</b>		
7150MM (282 INCH) WHEELBASE		
7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	650	370
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	250	470
2550MM (100 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-70	300
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 216.45 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 213.45 in		
CALC'D FRAME LENGTH - OVERALL : 411.39		
CALC'D SPACE AVAILABLE FOR DECKPLATE : 216.45 in		
CALCULATED FRAME SPACE LH SIDE : 165.85 in		
CALCULATED FRAME SPACE RH SIDE : 187.45 in		
UNDER OR OVERSLUNG CROSSMEMBER SQUARE END OF FRAME FRONT CLOSING CROSSMEMBER		
LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
STANDARD MIDSHIP #1 CROSSMEMBER(S) STANDARD REAR MOST CROSSMEMBER		

Description	Weight Front	Weight Rear
STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>		
THREE-PIECE 14 INCH PAINTED STEEL BUMPER WITH COLLAPSIBLE ENDS	30	
FRONT TOW HOOKS - FRAME MOUNTED	15	
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS		
GRADE 8 THREADED HEX HEADED FRAME FASTENERS		
<b>Fuel Tanks</b>		
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20	
RECTANGULAR 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 WITH HEATED BOWL		
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
<b>Tires</b>		
MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES	130	
MICHELIN XDE M/S 11R22.5 14 PLY RADIAL REAR TIRES		56
<b>Hubs</b>		
CONMET PRESET PLUS IRON FRONT HUBS		
CONMET PRESET PLUS IRON REAR HUBS		
<b>Wheels</b>		
MAXION WHEELS 10035 22.5X12.25 10-HUB PILOT 4.75 INSET 5-HAND STEEL DISC FRONT WHEELS	102	
MAXION WHEELS 90541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		

Description	Weight Front	Weight Rear
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
<b>Cab Exterior</b>		
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB AIR CAB MOUNTS		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
2-1/2 INCH FENDER EXTENSIONS LH AND RH GRAB HANDLES	10	
HOOD MOUNTED CHROMED PLASTIC GRILLE CHROME HOOD MOUNTED AIR INTAKE GRILLE FIBERGLASS HOOD		
TUNNEL/FIREWALL LINER		
SINGLE 14 INCH ROUND POLISHED AIR HORN ROOF MOUNTED	4	
SINGLE ELECTRIC HORN SINGLE HORN SHIELD		
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 MOLDED-IN COLOR HEATED MIRRORS		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		
LH AND RH 8 INCH MOLDED-IN COLOR CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH DOWN VIEW MIRROR		
STANDARD SIDE/REAR REFLECTORS		
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS, PASSENGER SWITCHES ON DOOR(S)	8	
TINTED WINDSHIELD		



Description	Weight Front	Weight Rear
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL INDICATOR, FRAME MOUNTED		
<b>Cab Interior</b>		
OPAL GRAY VINYL INTERIOR		
MOLDED PLASTIC DOOR PANEL		
MOLDED PLASTIC DOOR PANEL		
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		
GRAY/CHARCOAL FLAT DASH		
SMART SWITCH EXPANSION MODULE		
2-1/2 LB. FIRE EXTINGUISHER	5	
FIRST AID KIT	2	
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		
DOME LIGHT WITH 3-WAY SWITCH ACTIVATED BY LH AND RH DOORS		
LH AND RH ELECTRIC DOOR LOCKS		
(1) 12 VOLT POWER SUPPLY IN DASH		
BASIC HIGH BACK AIR SUSPENSION DRIVER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION	30	
2 MAN TOOL BOX MID BACK NON SUSPENSION PASSENGER SEAT	20	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		

Description	Weight Front	Weight Rear
3 POINT DRIVER AND PASSENGER AND 2 POINT CENTER FRONT SEAT BELT RETRACTORS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
<b>Instruments &amp; Controls</b>		
GRAY DRIVER INSTRUMENT PANEL		
GRAY CENTER INSTRUMENT PANEL		
BLACK GAUGE BEZELS		
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
(1) SINGLE BRAKE APPLICATION AIR GAUGE		
2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES		
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
97 DB BACKUP ALARM		3
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		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
(1) DASH MOUNTED PTO SWITCH WITH INDICATOR LAMP	5	
NO LANE DEPARTURE WARNING SYSTEM		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939	10	
DASH MOUNTED RADIO		

Description	Weight Front	Weight Rear
(2) RADIO SPEAKERS IN CAB AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF POWER AND GROUND STUDS IN/UNDER DASH ELECTRONIC KPH SPEEDOMETER WITH SECONDARY MPH SCALE, WITHOUT ODOMETER STANDARD VEHICLE SPEED SENSOR ELECTRONIC 3000 RPM TACHOMETER IDLE LIMITER, ELECTRONIC ENGINE ONE ON/OFF ROCKER SWITCH IN THE DASH WITH INDICATOR LIGHT AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT PRE-TRIP LAMP INSPECTION, ALL OUTPUTS FLASH, WITH SMART SWITCH CAB AUXILIARY POWER CABLE 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 NO MISCELLANEOUS GAUGES		

**Design**

PAINT: ONE SOLID COLOR

**Color**

CAB COLOR A: L0225EB WHITE ELITE BC  
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 NO FUEL TANK CABINET PAINT  
 POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 BUMPER PAINT: FP24812 ARGENT SILVER DUPONT FLEX

Description	Weight Front	Weight Rear
STANDARD E COAT/UNDERCOATING		

**Certification / Compliance**

CANADA CMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

**TOTAL VEHICLE SUMMARY**

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	8697 lbs	8752 lbs	17449 lbs
Total Weight <sup>+</sup>	8697 lbs	8752 lbs	17449 lbs

**Extended Warranty**

TOWING EXTENDED/ROADSIDE SERVICE WARRANTY, 1 YEAR/UNLIMITED MILES/KM, \$550 CAP

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.