

Prepared for:  
 Russ Schmidt  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 Phone: 605-543-5591



Prepared by:  
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## 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>Price Level</b>		
M2 PRL-26M (EFF:7/26/21)		
<b>Data Version</b>		
SPECPRO21 DATA RELEASE VER 048		
<b>Vehicle Configuration</b>		
M2 106 CONVENTIONAL CHASSIS	5,709	3,503
2023 MODEL YEAR SPECIFIED		
SET BACK AXLE - TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
<b>General Service</b>		
TRUCK CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
FIRE SERVICE		
EMERGENCY VEHICLES BUSINESS SEGMENT		
LIQUID BULK 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 : 26000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 40000.0 lbs		



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Description	Weight Front	Weight Rear
<b>Truck Service</b>		
FIRE TANK - NO MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP		
EXPECTED TRUCK BODY LENGTH : 0.0 ft		
ROSENBAUER		
EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in		
<b>Engine</b>		
CUM L9 360EV HP @ 2200 RPM, 2200 GOV RPM, 1150 LB-FT @ 1200 RPM, R/F/E	640	30
<b>Electronic Parameters</b>		
68 MPH ROAD SPEED LIMIT		
CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 1100 RPM		
PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED		
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		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
PTO MINIMUM RPM - 700		
REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
<b>Engine Equipment</b>		
2010 EPA/CARB/GHG21 CONFIGURATION		
NO 2008 CARB EMISSION CERTIFICATION		
OIL PAN FOR AWD AND AWD CONVERSIONS		
ENGINE MOUNTED OIL CHECK AND FILL		
SIDE OF HOOD AIR INTAKE WITH NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT DONALDSON AIR CLEANER		
DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE	10	
(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
BATTERY BOX FRAME MOUNTED		



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Description	Weight Front	Weight Rear
STANDARD BATTERY JUMPERS		
LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 34 INCHES BACK OF CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER		
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	10	
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
AIR COMPRESSOR DISCHARGE LINE		
GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING		
CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF WITH BRAKE LAMPS	20	
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH C-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
STANDARD CURVE BRIGHT UPPER STACK(S)		
RH CURVED VERTICAL TAILPIPE C-PILLAR MOUNTED ROUTED FROM STEP		
6 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
LH UNDER CAB DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		
HORTON DRIVEMASTER ADVANTAGE ON/OFF FAN DRIVE		



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Description	Weight Front	Weight Rear
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	70	
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		
AUXILIARY ENGINE COOLING USING WATER FROM FIRE PUMP	10	
LOWER RADIATOR GUARD		
ALUMINUM FLYWHEEL HOUSING		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		

### Transmission

ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
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### Transmission Equipment

ALLISON VOCATIONAL PACKAGE 198 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODEL EVS

ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 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



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Description	Weight Front	Weight Rear
SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
VEHICLE INTERFACE WIRING CONNECTOR WITHOUT BLUNT CUTS, AT END OF FRAME		
ELECTRONIC TRANSMISSION CUSTOMER ACCESS CONNECTOR FIREWALL MOUNTED		
(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		
PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION ALLISON		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK		
MERITOR MTC-4210 AND MTC-4213 TRANSFER CASE OIL COOLER	20	
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
MERITOR MTC 4210XL-EC 2-SPEED TRANSFER CASE	375	375
TRANSFER CASE SHIFT CONTROLS WITH TRANSFER CASE PTO ON/OFF SWITCH WHEN APPLICABLE		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

### Front Axle and Equipment

MX-14-120-EVO 14,000# 1790MM KPI SINGLE FRONT DRIVE AXLE	900	
5.13 FRONT AXLE RATIO		



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Description	Weight Front	Weight Rear
MXL 16T MERITOR EXTENDED LUBE FRONT STEERING AXLE DRIVELINE WITH HALF ROUND YOKES		
MERITOR 16.5X5 Q+ MX DRIVE AXLE CAST SPIDER HEAVY DUTY CAM FRONT BRAKES		
FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING		
MERITOR CAST IRON FRONT BRAKE DRUMS		
FRONT BRAKE DUST SHIELDS		
FRONT OIL SEALS		
STANDARD SPINDLE NUTS FOR ALL AXLES		
MERITOR AUTOMATIC FRONT SLACK ADJUSTERS		
TRW TAS-85 POWER STEERING	40	
POWER STEERING PUMP		
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>		
14,600# TAPERLEAF FRONT SUSPENSION	170	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>		
RS-26-185 26,000# T-SERIES SINGLE REAR AXLE		255
5.13 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES		
MXL 17T MERITOR EXTENDED LUBE INTERTRANSMISSION DRIVELINE WITH HALF ROUND YOKES		
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
BLINKING LAMP WITH EACH MODE SWITCH, DIFFERENTIAL UNLOCK WITH IGNITION OFF, ACTIVE <5 MPH		



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Description	Weight Front	Weight Rear
MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, CAST SHOES		20
FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
WEBB HEAVY WEIGHT CAST IRON REAR BRAKE DRUMS		80
REAR BRAKE DUST SHIELDS		5
REAR OIL SEALS		
HALDEX GOLDSEAL LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		
HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
<b>Rear Suspension</b>		
26,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND RADIUS ROD		170
SPRING SUSPENSION - NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
FORE/AFT CONTROL RODS		
<b>Brake System</b>		
AIR BRAKE PACKAGE		
WABCO 4S/4M ABS		
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		
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER	20	
AIR DRYER MOUNTED INBOARD ON LH RAIL		
STEEL AIR TANKS MOUNTED AFT INSIDE AND/OR BELOW FRAME JUST FORWARD OF REAR SUSPENSION, NO TRIPLE OR TORPEDO TANKS		
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)		



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Description	Weight Front	Weight Rear
<b>Trailer Connections</b>		
UPGRADED CHASSIS MULTIPLEXING UNIT		
UPGRADED BULKHEAD MULTIPLEXING UNIT		
<b>Wheelbase &amp; Frame</b>		
4950MM (195 INCH) WHEELBASE		
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	120	120
2075MM (82 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 81 INCH TO 90 INCH	-30	130
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 82.09 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 77.59 in		
CALC'D FRAME LENGTH - OVERALL : 305.97 in		
CALCULATED FRAME SPACE LH SIDE : 74.22 in		
CALCULATED FRAME SPACE RH SIDE : 27.99 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		
<b>Chassis Equipment</b>		
THREE-PIECE 14 INCH CHROMED 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		
3D STEP VEHICLE MODEL		
TANK BODY 0 TO 1500 GALLONS		
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
<b>Fuel Tanks</b>		





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Description	Weight Front	Weight Rear
50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH 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)	20	
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR EQUIFLO INBOARD FUEL SYSTEM HIGH TEMPERATURE REINFORCED NYLON FUEL LINE FUEL COOLER MOUNTED LEFT HAND IN RAIL	-5   10	
<b>Tires</b>		
MICHELIN XDN2 12R22.5 16 PLY RADIAL FRONT TIRES	70	
MICHELIN XDN2 12R22.5 16 PLY RADIAL REAR TIRES		140
<b>Hubs</b>		
MERITOR IRON FRONT HUBS CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
<b>Wheels</b>		
ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT 5.80 INSET ALUMINUM DISC FRONT WHEELS	-56	
ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS POLISHED FRONT WHEELS; OUTSIDE ONLY POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY FRONT WHEEL MOUNTING NUTS REAR WHEEL MOUNTING NUTS		-112
<b>Cab Exterior</b>		
154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB AIR CAB MOUNTING CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS	430  2	250



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Description	Weight Front	Weight Rear
LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT		
HOOD MOUNTED CHROMED PLASTIC GRILLE		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5	
SINGLE ELECTRIC HORN		
REAR LICENSE PLATE MOUNT END OF FRAME		
INTEGRAL HEADLIGHTS WITH CHROME BEZELS; NON-COMPLIANT WITH FMVSS 108 HEADLIGHT HEIGHT REQUIREMENT		
LED AERODYNAMIC MARKER LIGHTS		
DAYTIME RUNNING LIGHTS		
OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING WITH SEPARATE STOP/TURN WIRES TO 4 FEET BEYOND END OF FRAME		-5
STANDARD FRONT TURN SIGNAL LAMPS		
AUTOMATIC ON/OFF, ENGINE COMPARTMENT, HOOD ACTIVATED WORK LIGHT WITH MANUAL OVERRIDE	1	
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		
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		
MANUAL DOOR WINDOW REGULATORS		
1-PIECE SOLAR GREEN GLASS WINDSHIELD		
2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

**Cab Interior**

OPAL GRAY VINYL INTERIOR  
 MOLDED PLASTIC DOOR PANEL  
 MOLDED PLASTIC DOOR PANEL  
 BLACK MATS WITH SINGLE INSULATION



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Description	Weight Front	Weight Rear
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		
5 LB. FIRE EXTINGUISHER	10	
HEATER, DEFROSTER AND AIR CONDITIONER		
STANDARD HVAC DUCTING		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING		
VALEO HEAVY DUTY A/C REFRIGERANT 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 LH, RH AND CENTER		
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1031		
KEY QUANTITY OF 2		
CAB DOOR LATCHES WITH MANUAL DOOR LOCKS		
(1) 12V POWER SUPPLY (1) DUAL 2.1 AMP USB CHARGER IN DASH		
TRIANGULAR REFLECTORS KIT WITHOUT FLARES SHIPPED LOOSE IN CAB	10	
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION DRIVER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	50	
SEATS INC 911 UNIVERSAL SERIES SCBA HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	40	15
SEATS INC 911 UNIVERSAL SERIES SCBA NON SUSPENSION LH, RH AND CENTER REAR PASSENGER SEATS WITH UNDER SEAT STORAGE AND NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	60	25
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		



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BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
BLACK CORDURA PLUS CLOTH REAR PASSENGER SEAT COVER		
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN	10	
4-SPOKE 18 INCH (450MM) STEERING WHEEL		
DRIVER AND PASSENGER INTERIOR SUN VISORS		

### Instruments & Controls

GRAY DRIVER INSTRUMENT PANEL  
 GRAY CENTER INSTRUMENT PANEL  
 ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS  
 BLACK GAUGE BEZELS  
 LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM  
 2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES  
 ENGINE COMPARTMENT MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS, WITH WARNING LIGHT IN DASH  
 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  
 ENGINE REMOTE INTERFACE NOT CONFIGURED  
 ENGINE REMOTE INTERFACE CONNECTOR IN ENGINE COMPARTMENT  
 ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE  
 2 INCH TRANSMISSION OIL TEMPERATURE GAUGE



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Description	Weight Front	Weight Rear
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
WIRING PROVISION FOR CUSTOMER FURNISHED ROOF MOUNTED LIGHTBAR WITH 2 WIRES HANDLE UP TO 30 AMPS OF CURRENT		
CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY		
AM/FM/WB WORLD TUNER RADIO WITH SIRIUSXM, BLUETOOTH, IPOD INTERFACE, USB AND AUXILIARY INPUTS, J1939	10	
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
AM/FM ANTENNA MOUNTED ON FORWARD LH ROOF		
INTEROPERABLE SDAR ANTENNA		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
IDLE LIMITER, ELECTRONIC ENGINE		
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 DASH VALVE CONTROL AUTONEUTRAL 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: L0762EY MED RED ELITE EY



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Description	Weight Front	Weight Rear
BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
STANDARD E COAT/UNDERCOATING		

**Certification / Compliance**

U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS

**Secondary Factory Options**

NO TIRE INFLATION DEVICE/SYSTEM

**Raw Performance Data**

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 77.59 in

**T O T A L V E H I C L E S U M M A R Y**

**Weight Summary**

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	9036 lbs	5106 lbs	14142 lbs
Total Weight <sup>+</sup>	9036 lbs	5106 lbs	14142 lbs

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

(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

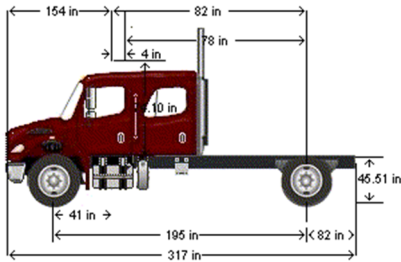


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**D I M E N S I O N S**



**VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS**

Model .....	M2106
Wheelbase (545).....	4950MM (195 INCH) WHEELBASE
Rear Frame Overhang (552).....	2075MM (82 INCH) REAR FRAME OVERHANG
Fifth Wheel (578) .....	NO FIFTH WHEEL
Mounting Location (577) .....	NO FIFTH WHEEL LOCATION
Maximum Forward Position (in) .....	0
Maximum Rearward Position (in).....	0
Amount of Slide Travel (in) .....	0
Slide Increment (in).....	0
Desired Slide Position (in).....	0.0
Cab Size (829).....	154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB
Sleeper (682) .....	NO SLEEPER BOX/SLEEPER CAB
Exhaust System (016).....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH C-PILLAR MOUNTED VERTICAL TAILPIPE

**TABLE SUMMARY - DIMENSIONS**



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Dimensions	Inches
Bumper to Back of Cab (BBC)	153.5
Bumper to Centerline of Front Axle (BA)	40.7
Front Axle to Back of Cab (AC)	112.8
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	82.1
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	77.6
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	4.5
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	4.5
Back of Cab to End of Frame	163.8
Cab Height (CH)	74.1
Wheelbase (WB)	194.9
Frame Overhang (OH)	81.7
Overall Frame Length	306.0
Overall Length (OAL)	317.3
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	45.5

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



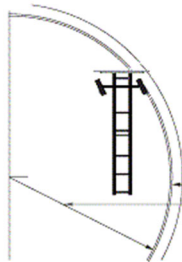


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## TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	63.5	+/- 3.0
Curb to Curb Diameter (ft)	61.8	+/- 3.0
Turning Radius (ft)	30.4	+/- 1.5

### VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model ..... M2106  
 Cab Size (829) ..... 154 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL CREW CAB  
 Wheelbase (545) ..... 4950MM (195 INCH) WHEELBASE  
 Front Tires (093) ..... MICHELIN XDN2 12R22.5 16 PLY RADIAL FRONT TIRES  
     Width (in) ..... 11.3  
 Front Axle (400) ..... MX-14-120-EVO 14,000# 1790MM KPI SINGLE FRONT DRIVE AXLE  
     Kingpin Intersection (in) ..... 69  
 Bumper (556) ..... THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS  
     Width (in) ..... 93.5  
     Bumper Miter to Front Axle (in) ..... 21.458  
 Primary Steering Location (003) ..... LH PRIMARY STEERING LOCATION  
 Steering Gear (536) ..... TRW TAS-85 POWER STEERING  
     Dual Steering Gear ..... NONE  
     Ram ..... NONE  
 Rear Axle (420) ..... RS-26-185 26,000# T-SERIES SINGLE REAR AXLE  
 Axle Spacing (624) ..... NO AXLE SPACING

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

