

Prepared for:
GRANT AASEN
ROSENBAUER HEIMAN INC
25814 Rudolph Circle
Sioux Falls, SD 57107
Phone: 605-543-5098

Prepared by:
Carolyn LeBeau
ISTATE TRUCK CENTER
2901 WEST 60TH STREET N.
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Phone: 605-336-2995

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
Price Level		
M2 PRL-26M (EFF:7/26/21)		
Data Version		
SPECPRO21 DATA RELEASE VER 043		
Vehicle Configuration		
M2 106 CONVENTIONAL CHASSIS	5,709	3,503
2023 MODEL YEAR SPECIFIED		
SET BACK AXLE - TRUCK		
STRAIGHT TRUCK PROVISION		
LH PRIMARY STEERING LOCATION		
General Service		
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 : 16000.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 56000.0 lbs		

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Description	Weight Front	Weight Rear
Truck Service		
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		
Engine		
CUM L9 360EV HP @ 2200 RPM, 2200 GOV RPM, 1150 LB-FT @ 1200 RPM, R/F/E	640	30
Electronic Parameters		
60 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		
Engine Equipment		
2010 EPA/CARB/GHG21 CONFIGURATION NO 2008 CARB EMISSION CERTIFICATION STANDARD OIL PAN 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 (2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES BATTERY BOX FRAME MOUNTED	10 10	

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Description	Weight Front	Weight Rear
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		
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 HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES	10	5
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND DASH MOUNTED SINGLE REGENERATION REQUEST/INHIBIT SWITCH		
STANDARD EXHAUST SYSTEM LENGTH		
RH HORIZONTAL TAILPIPE, EXIT FORWARD OF REAR TIRES	20	20
6 GALLON DIESEL EXHAUST FLUID TANK		
100 PERCENT DIESEL EXHAUST FLUID FILL		
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	70	

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Description	Weight Front	Weight Rear
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
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		
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		

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Description	Weight Front	Weight Rear
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		
CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO		
PTO MOUNTING, LH 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		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	190
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10
FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING	
CAST IRON OUTBOARD 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 TAS-85 POWER STEERING POWER STEERING PUMP	40

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Description	Weight Front	Weight Rear
2 QUART SEE THROUGH POWER STEERING RESERVOIR		
CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension		
16,000# TAPERLEAF FRONT SUSPENSION	200	
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE	2,500	
5.29 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 INTERAXLE DRIVELINE WITH HALF ROUND YOKES		
DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES	30	
(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		
FIRE AND EMERGENCY SEVERE SERVICE NON- ASBESTOS REAR BRAKE LINING		
STANDARD BRAKE CHAMBER LOCATION		
CAST IRON OUTBOARD REAR BRAKE DRUMS	-20	
REAR OIL SEALS		
HALDEX GOLDSEAL LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS	20	
HALDEX AUTOMATIC REAR SLACK ADJUSTERS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
Rear Suspension		

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Description	Weight Front	Weight Rear
4,000# 4-SPRING FLAT LEAF REAR SUSPENSION		670
SPRING SUSPENSION - NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
52 INCH AXLE SPACING		
Brake System		
AIR BRAKE PACKAGE		
WABCO 4S/4M ABS WITH TRACTION CONTROL, WITH ATC OFF-ROAD SWITCH		
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		
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)		
Trailer Connections		
UPGRADED CHASSIS MULTIPLEXING UNIT		
UPGRADED BULKHEAD MULTIPLEXING UNIT		
Wheelbase & Frame		
5100MM (201 INCH) WHEELBASE		
11/32X3-1/2X10-15/16 INCH STEEL FRAME (8.73MMX277.8MM/0.344X10.94 INCH) 120KSI	170	110
1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	150	370
1900MM (75 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-30	120

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Description	Weight Front	Weight Rear
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 135.24 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 132.24 in		
CALC'D FRAME LENGTH - OVERALL : 304.98 in		
CALCULATED FRAME SPACE LH SIDE : 79.14 in		
CALCULATED FRAME SPACE RH SIDE : 47.14 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	-12	
STANDARD CROSSMEMBER BACK OF TRANSMISSION		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
STANDARD REARMOST CROSSMEMBER		
STANDARD SUSPENSION CROSSMEMBER		
Chassis Equipment		
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 1501 TO 3000 GALLONS		
Fuel Tanks		
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)		
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		

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Description	Weight Front	Weight Rear
FUEL COOLER MOUNTED LEFT HAND IN RAIL	10	
Tires		
MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
MICHELIN XDN2 11R22.5 14 PLY RADIAL REAR TIRES		152
Hubs		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
Wheels		
ALCOA ULTRA ONE 89U64X 22.5X9.00 10-HUB PILOT 5.99 INSET ALUMINUM FRONT WHEELS	-28	
ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-224
POLISHED FRONT WHEELS; OUTSIDE ONLY		
POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
Cab Exterior		
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
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 HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL		
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		

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Description	Weight Front	Weight Rear
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		
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)	4	
1-PIECE ROPED-IN 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	
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	

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Description	Weight Front	Weight Rear
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
DOME DOOR ACTIVATED LH AND RH, DUAL READING LIGHTS, FORWARD CAB ROOF		
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1031		
KEY QUANTITY OF 2		
LH AND RH ELECTRIC 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 HIGH BACK NON SUSPENSION PASSENGER SEAT WITH UNDERSEAT STORAGE AND NFPA 1901-2009/2016 COMPLIANT SEAT SENSOR	25	10
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS		
FIXED STEERING COLUMN		
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

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Description	Weight Front	Weight Rear
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		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
CUSTOMER FURNISHED AND INSTALLED PTO CONTROLS		
ELECTRONIC STABILITY CONTROL		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
OVERHEAD INSTRUMENT PANEL		
NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY		
AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939	10	
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		
IDLE LIMITER, ELECTRONIC ENGINE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		

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

Certification / Compliance

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

Raw Performance Data

CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 132.24 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 ⁺	7704 lbs	7351 lbs	15055 lbs
Total Weight ⁺	7704 lbs	7351 lbs	15055 lbs

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(+) Weights shown are estimates only.

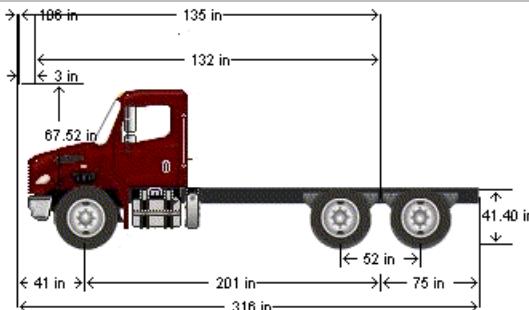
If weight is critical, contact Customer Application Engineering.

(***) 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)	5100MM (201 INCH) WHEELBASE
Rear Frame Overhang (552).....	1900MM (75 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).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682).....	NO SLEEPER BOX/SLEEPERCAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE EXITING FORWARD OF REAR TIRES

TABLE SUMMARY - DIMENSIONS

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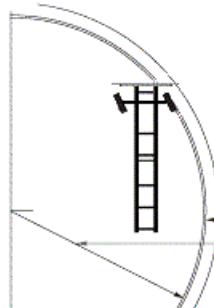
Dimensions	Inches
Bumper to Back of Cab (BBC)	106.3
Bumper to Centerline of Front Axle (BA)	40.7
Front Axle to Back of Cab (AC)	65.6
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	135.2
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	132.2
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	210.0
Cab Height (CH)	67.5
Wheelbase (WB)	200.8
Frame Overhang (OH)	74.8
Overall Frame Length	305.0
Overall Length (OAL)	316.3
Rear Axle Spacing	52.0
Unladen Frame Height at Centerline of Rear Axle	41.4

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

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T U R N I N G R A D I U S



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)	63.4	+/- 3.0
Curb to Curb Diameter (ft)	61.9	+/- 3.0
Turning Radius (ft)	30.4	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Wheelbase (545)	5100MM (201 INCH) WHEELBASE
Front Tires (093).....	MICHELIN X WORKS Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
Width (in).....	12.5
Front Axle (400).....	DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE
Kingpin Intersection (in).....	71
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)	MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE
Axle Spacing (624)	52 INCH AXLE SPACING

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