

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

## SPECIFICATION PROPOSAL

	Description	Weight Front	Weight Rear
<b>Price Level</b>	M2 PRL-30M (EFF:MY27 ORDERS)		
<b>Data Version</b>	SPECPRO21 DATA RELEASE VER 008		
<b>Vehicle Configuration</b>			
	M2 106 PLUS CONVENTIONAL CHASSIS	5,709	3,450
	2027 MODEL YEAR SPECIFIED		
	SET BACK AXLE - TRUCK		
	STRAIGHT TRUCK PROVISION, NON-TOWING		
	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
	TRUCK CONFIGURATION		
	DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)		
	EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL SHIPPED LOOSE)		
	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 12000.0 lbs		
	EXPECTED REAR DRIVE AXLE(S) LOAD 24000.0 lbs		

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
EXPECTED GROSS VEHICLE WEIGHT CAPACITY 36000.0 lbs		
<b>Truck Service</b>		
FIRE TANK - NO MAIN DRIVELINE DRIVEN SPLIT-SHAFT PTO/PUMP		
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 5 MPH HIGHER THAN ROAD SPEED LIMIT		
PTO MODE ENGINE RPM LIMIT - 1250 RPM		
PTO ENGINE SPEED CONTROL DEACTIVATED BY SERVICE BRAKE LIGHTLY APPLIED (STATIONARY APPLICATIONS)		
PTO RPM CONTROL WITH STEERING WHEEL SWITCHES		
PTO MODE CANCEL VEHICLE SPEED - 15 MPH		
PTO GOVERNOR RAMP RATE - 500 RPM PER SECOND		
FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
CRUISE CONTROL BUTTON PTO CONTROL AND ONE REMOTE PTO SPEED		
PTO SPEED 1 SETTING - 1200 RPM		
PTO MINIMUM RPM - 775		
REGEN INHIBIT SPEED THRESHOLD - 5 MPH		
PTO 1, NO SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE BEFORE DRIVING INTERLOCK		
PTO 2, NO SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE BEFORE DRIVING INTERLOCKS		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
<b>Engine Equipment</b>		
EPA 2010/GHG 2024 CONFIGURATION		
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	10	
(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES	10	
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		
NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2	
PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
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 VIRTUAL		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED 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		
NO MUFFLER/TAILPIPE SHIELD	-10	
AIR POWERED ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
CUMMINS SPIN ON FUEL FILTER		
COMBINATION FULL FLOW/BYPASS OIL FILTER		
NO COOLANT FILTER	-10	
1100 SQUARE INCH ALUMINUM RADIATOR	70	
ANTIFREEZE TO -60F, OAT (NITRITE AND SILCATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
AUXILIARY ENGINE COOLING USING WATER FROM FIRE PUMP		
LOWER RADIATOR GUARD		
ALUMINUM FLYWHEEL HOUSING		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
<b>Transmission</b>		
ALLISON 3000 EVS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
<b>Transmission Equipment</b>		
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		
ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
NEUTRAL AT STOP ENABLED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
(2) CUSTOMER INSTALLED MUNCIE CS10 SERIES PTO'S		
PTO MOUNTING, LH SIDE AND TOP RH SIDE OF MAIN TRANSMISSION ALLISON		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK	15	
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
ATF-SYNTHETIC AUTOMATIC TRANSMISSION FLUID		

### Front Axle and Equipment

MERITOR MFS+ 12,000# FF1 71.0 INCH KPI/3.50 INCH DROP SINGLE FRONT AXLE -15

MERITOR 16.5X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT 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

CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE

### Front Suspension

12,000# DUAL TAPERLEAF FRONT SUSPENSION 42

MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION

FRONT SHOCK ABSORBERS

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
<b>Rear Axle and Equipment</b>		
MERITOR RS-23-161 24,000# R-SERIES QUIET RIDE FIRE/EMERGENCY SERVICE SINGLE REAR AXLE		175
5.38 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	20	20
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH		
MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S)		
CAST IRON OUTBOARD REAR BRAKE DRUMS		-10
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>		
24,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER, WITH RADIUS ROD, FOR FIRE/EMERGENCY SERVICE		110
SPRING SUSPENSION - NO AXLE SPACERS		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
FORE/AFT CONTROL RODS		
<b>Pusher / Tag Equipment</b>		
NO PUSHER/TAG BRAKE DUST SHIELDS		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
<b>Brake System</b>		
AIR BRAKE PACKAGE		
WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF 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		
BW DV-2 AUTO DRAIN VALVE WITHOUT HEATER ON ALL TANK(S)		
<b>Trailer Connections</b>		
NO TRAILER AIR HOSE		
NO AIR HOSE HANGER		
NO TRAILER ELECTRICAL CABLE		
<b>Wheelbase &amp; Frame</b>		
6050MM (238 INCH) WHEELBASE		
8.0MM X 88.0MM X 281MM STEEL FRAME (0.31X3.46X11.06 INCH) 140KSI	330	70
1175MM (46 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 41 INCH TO 50 INCH	10	-50
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) 172.64 in		

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) 169.64 in		
CALC'D FRAME LENGTH - OVERALL 313.88 in		
CALCULATED FRAME SPACE LH SIDE 143.83 in		
CALCULATED FRAME SPACE RH SIDE 140.02 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE 0.0 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		

### 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	
NO MUDFLAP BRACKETS	
NO REAR MUDFLAPS	
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS	
GRADE 8 THREADED HEX HEADED FRAME FASTENERS	
EXTERIOR HARNESSES WRAPPED IN ABRASION TAPE	
3D STEP VEHICLE MODEL	
TANK BODY 0 TO 1500 GALLONS	
CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT	

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
<b>Fifth Wheel</b>		
NO FIFTH WHEEL		
<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)		
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR	-5	
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
FUEL COOLER MOUNTED LEFT HAND IN RAIL	10	
<b>Tires</b>		
MICHELIN XZE2 11R22.5 16 PLY RADIAL FRONT TIRES	24	
MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES		80
<b>Hubs</b>		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
<b>Wheels</b>		
ALCOA 88167X 22.5X8.25 10-HUB 5.81 INSET ALUMINUM DISC FRONT WHEELS	-62	
ALCOA 88167X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-124
POLISHED FRONT WHEELS; OUTSIDE ONLY		
POLISHED REAR WHEELS; OUTSIDE OF OUTER		

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
WHEELS ONLY		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
<b>Cab Exterior</b>		
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
CAB ROOF REINFORCEMENTS FOR ROOF MOUNTED COMPONENTS		
SAFETY YELLOW LH AND RH INTERIOR GRAB HANDLES AND 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	
DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS WITH DUAL LANYARDS	8	
SINGLE ELECTRIC HORN		
DUAL HORN SHIELDS		
REAR LICENSE PLATE MOUNT END OF FRAME		
LED LOW BEAM AND HIGH BEAM HEADLIGHTS WITH HEATED LENS AND CHROME BEZEL		
LED AERODYNAMIC MARKER LIGHTS		
HEADLIGHTS OFF WITH IGNITION OFF, WITH 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	



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
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		
1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD		
2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED		

#### Cab Interior

RUGGED TRIM PACKAGE  
 GRAY & CARBON VINYL INTERIOR "RUGGED"  
 CARBON WITH PREMIUM GUNMETAL ACCENT  
(RUGGED)  
 MOLDED DOOR PANEL  
 MOLDED PLASTIC DOOR PANEL  
 BLACK MATS WITH SINGLE INSULATION  
 (1)DASH MOUNTED 12V POWER OUTLET, (1)DASH  
MOUNTED DUAL USB-C OUTLET  
 FORWARD ROOF MOUNTED CONSOLE  
 LH AND RH DOOR STORAGE POCKETS INTEGRATED  
INTO MOLDED DOOR PANELS  
 DIGITAL ALARM CLOCK IN DRIVER DISPLAY  
 (2) CUP HOLDERS LH AND RH DASH  
 M2/SD DASH

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
5 LB. FIRE EXTINGUISHER	10	
HEATER, DEFROSTER AND AIR CONDITIONER		
STANDARD HVAC DUCTING		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
PREP KIT FOR CUSTOMER INSTALLED AUXILIARY HEATER, PLUMBING FROM ENGINE TO BACK OF CAB WITH SHUTOFF VALVES		
STANDARD HEATER PLUMBING		
AUXILIARY 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		
PREMIUM LED CAB LIGHTING		
REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2	
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1031		
KEY QUANTITY OF 2		
LH AND RH ELECTRIC DOOR LOCKS WITH AUTO UNLOCK FEATURE WHEN DOOR IS SET FROM OPEN TO CLOSED POSITION		
NO MATTRESS	-20	-15
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



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
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		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
INTERFACE CONNECTORS AND WIRING FOR CUSTOMER PROVIDED LED STEP LIGHTING		

#### Instruments & Controls

ELECTRONIC ACCELERATOR CONTROL  
 NO INSTRUMENT PANEL-DRIVER  
 FULLY CONFIGURABLE CENTER INSTRUMENT PANELS  
 ENGINE REMOTE INTERFACE WITH PARK BRAKE AND NEUTRAL INTERLOCKS  
 BLACK GAUGE BEZELS  
 LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM WITH (1) ADDITIONAL PARK SWITCH FOR CUSTOMER USE  
 DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE  
 ELECTRONIC AIR RESTRICTION INDICATOR DISPLAYED IN DRIVER DISPLAY  
 ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES  
 KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY  
 PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY  
 DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY  
 HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
2 INCH ELECTRIC FUEL GAUGE		
ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS		
QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH BLUNTCUTS		
ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR		
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY		
ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
NO OBSTACLE DETECTION SYSTEM		
NO DR ASSIST SYSTEM		
(1) BACKUP CAMERA-END OF FRAME MOUNTED WITH 15 FOOT EXTRA LONG CABLE COILED AT END OF FRAME		
ELECTRONIC STABILITY CONTROL,4X2 W/SAFETY MIN BODY WEIGHT EXCEEDS 4,000LBS REQ		
NO LANE DEPARTURE WARNING SYSTEM		
ELECTRIC ENGINE OIL PRESSURE GAUGE		
CENTER OVERHEAD INSTRUMENT PANEL BLANK		
1 QUIKFIT PROGRAMMABLE MODULE (QPM/XMC) W/ (4) 20AMP FUSED RELAYS	10	
NFPA VEHICLE DATA RECORDER AND SEATBELT DISPLAY		
7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE		
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
NO AM/FM RADIO ANTENNA		
NO CB RADIO MOUNTING PROVISION		
SHARKFIN MULTI-BAND ANTENNA, CENTRAL ROOF MOUNTING LOCATION: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS		
INTEROPERABLE SDAR ANTENNA		
STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
DETROIT CONNECT PLATFORM HARDWARE		
3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES		
TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
IGNITION SWITCH CONTROLLED ENGINE STOP		
(2) OVERHEAD MOUNTED LANYARD CONTROLS: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN		
NO TRAILER HAND CONTROL BRAKE VALVE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
ALTERNATING FLASHING (WIG WAG) HIGH BEAM HEADLAMPS WITH PARK BRAKE RELEASED AND TEM WIRED INPUT		
ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

Description	Weight Front	Weight Rear
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		
NO WRG/SW-OPTL #2,CHAS,AIR		

## 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

## Secondary Factory Options

DEALER ADVISED/ACCEPTS ESC ON END OF FRAME  
TOWING FOR TRACTOR FOR YARD HAUL USE

## TOTAL VEHICLE SUMMARY

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight+	7228 lbs	3826 lbs	11054 lbs
Total Weight+	7228 lbs	3826 lbs	11054 lbs

## Other Factory Charges

GHG24 SURCHARGE - CUMMINS

3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES  
VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS

ENGINES

NO SAFETY EVENT VIEWER

CUMMINS TARIFF CHARGE - \$205

STEEL, ALUMINUM, AND CHINA TARIFF IMPACT FEE 108/114 SD AND M2  
106/112

MY27 ESCALATOR

STANDARD DESTINATION CHARGE

## Extended Warranty

TOWING: 2 YEARS/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$1800 CAP  
FEX APPLIES

Prepared For :  
Haylie Tysdal  
ROSENBAUER AMERICA BB  
100 3RD ST  
LYONS, SD 57041  
UNITED STATES  
Phone :605-543-9619

Prepared by:  
Carolyn LeBeau  
I-STATE TRUCK CENTER  
2901 WEST 60TH STREET N.  
SIOUX FALLS, SD 57107  
Phone :605-336-2995  
Mobile:  
E-Mail :carolyn.lebeau@istatetruck.com

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

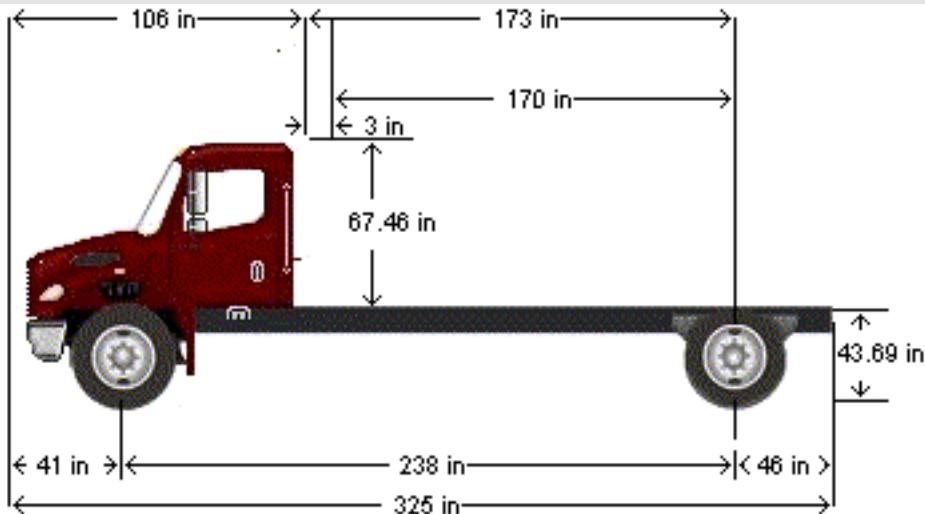
(\*\*) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(\*\*\*) 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.

Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

## DIMENSIONS



## VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	6050MM (238 INCH) WHEELBASE
Rear Frame Overhang (552)	1175MM (46 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
Cab to Body Clearance (in)	3.0



Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

## TABLE SUMMARY - DIMENSIONS

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)	172.6
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	169.6
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	218.9
Cab Height (CH)	67.5
Wheelbase (WB)	238.2
Frame Overhang (OH)	46.3
Overall Frame Length	313.9
Overall Length (OAL)	325.2
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	43.7

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

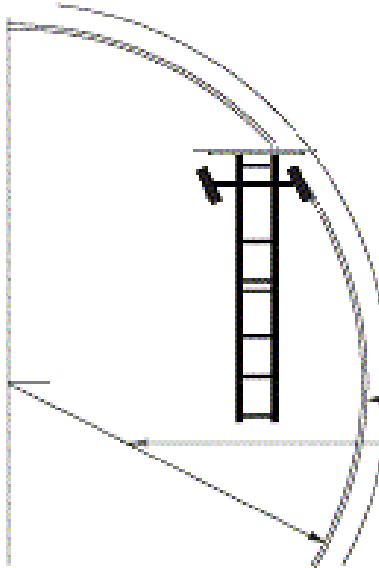


Prepared For :  
 Haylie Tysdal  
 ROSENBAUER AMERICA BB  
 100 3RD ST  
 LYONS, SD 57041  
 UNITED STATES  
 Phone :605-543-9619

Prepared by:  
 Carolyn LeBeau  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone :605-336-2995  
 Mobile:  
 E-Mail :carolyn.lebeau@istatetruck.com

## 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)	104.5	+/- 3.0
Curb to Curb Diameter (ft)	103.4	+/- 3.0
Turning Radius (ft)	51.2	+/- 1.5

## VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Wheelbase (545)	6050MM (238 INCH) WHEELBASE
Front Tires (093)	MICHELIN XZE2 11R22.5 16 PLY RADIAL FRONT TIRES
Width (in)	11.3
Front Axle (400)	MERITOR MFS+ 12,000# FF1 71.0 INCH KPI/3.50 INCH 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 THP-60 POWER STEERING
Dual Steering Gear	NONE
Ram	NONE
Rear Axle (420)	MERITOR RS-23-161 24,000# R-SERIES QUIET RIDE FIRE/EMERGENCY SERVICE SINGLE



Prepared For :  
Haylie Tysdal  
ROSENBAUER AMERICA BB  
100 3RD ST  
LYONS, SD 57041  
UNITED STATES  
Phone :605-543-9619

Prepared by:  
Carolyn LeBeau  
I-STATE TRUCK CENTER  
2901 WEST 60TH STREET N.  
SIOUX FALLS, SD 57107  
Phone :605-336-2995  
Mobile:  
E-Mail :carolyn.lebeau@istatetruck.com

Axle Spacing (624)

REAR AXLE  
NO AXLE SPACING

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

Application Version 12.0.404  
Data Version PRL-30M.008  
Heiman Stock CP255 2dr 12 24 L9 M2 106+



10/06/2025 11:12 AM

Page 2 of 2