

RESOLUTION NO. 25-11-119

A RESOLUTION OF THE VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS, FLORIDA, PIGGYBACKING THE FLORIDA SHERIFF'S ASSOCIATION/FLORIDA ASSOCIATION OF COUNTIES & FLORIDA FIRE CHIEFS' ASSOCIATION AUTOMOTIVE CONTRACT NO. FSA25-VEF19.0: FIRE RESCUE VEHICLES, BOATS & EQUIPMENT AND APPROVING THE PURCHASE OF A 2026 FREIGHTLINER M2 TYPE I AMBULANCE REMOUNT FROM MATHENY FIRE AND EMERGENCY, FOR THE VILLAGE FIRE RESCUE DEPARTMENT; DECLARING THE 2009 INTERNATIONAL RESCUE CHASSIS AS SURPLUS PROPERTY; DECLARING THE 2004 INTERNATIONAL RESCUE AS SURPLUS PROPERTY; AUTHORIZING THE VILLAGE MANAGER TO EXECUTE NECESSARY DOCUMENTS; AUTHORIZING THE VILLAGE MANAGER TO EXPEND FUNDS; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, Islamorada, Village of Islands (the "Village") is in need of a new rescue vehicle for the Village Fire Rescue Department; and

WHEREAS, the Village desires to piggyback the Florida Sheriff's Association/Florida Association of Counties & Florida Fire Chiefs' Contract # FSA25-VEF19.0: Fire Rescue Vehicles, Boats & Equipment and accept the competitive bid submitted by Emergency Tactical Rescue Vehicles in response thereto for the purchase of 2026 Freightliner for the Fire Rescue Department; and

WHEREAS, the Village Council desires to approve the purchase of the 2026 Freightliner M2 Type I Ambulance Remount from Matheny Fire and Emergency at a cost not to exceed the prices set forth in Exhibit "1" attached hereto; and

WHEREAS, the Village Council finds that the purchase of the 2026 Freightliner M2 Type I Ambulance Remount for the Fire Rescue Department is in the best interest of the Village and its residents.

WHEREAS, Islamorada, Village of Islands (the "Village") has established a policy and enacted procedures for the disposition of surplus property owned by the Village; and

WHEREAS, the Village's 2009 International chassis has exceeded its useful life as a Village asset and has been replaced with a new vehicle; and

WHEREAS, the Village's 2004 International Rescue has exceeded its useful life as a Village asset and has been replaced with a new vehicle; and

WHEREAS, the Village staff has recommended that the 2009 International chassis, which was originally purchased October 10, 2008, for \$210,512.32 be declared surplus property; and

WHEREAS, the Village staff has recommended that the 2004 International Rescue, which was originally purchased August 16, 2024, for \$7,500.00 be declared surplus property; and

WHEREAS, the Village Council finds that disposal of both the 2004 International Rescue and 2009 International Chassis is in the best interests of the Village.

NOW, THEREFORE, BE IT RESOLVED BY THE VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are true and correct and incorporated into this Resolution by this reference.

Section 2. Approval of Piggyback Purchase. The Village Council hereby approves the piggyback of the Florida Sheriff's Association/Florida Association of Counties & Florida Fire Chiefs' Contract #FSA 25-VEF19.0 and accepts the bid submitted by Matheny Fire and Emergency for the purchase of a 2026 Freightliner M2 Type I Ambulance Remount for the Village Fire Rescue Department at a cost not to exceed Three Hundred Fifty One Thousand Nine Hundred Four Dollars (\$351,90400) as set forth in Exhibit "A" attached hereto.

Section 3. Authorization of Village Officials. The Village Manager and/or his designee and the Village Attorney are authorized to take all actions necessary to implement the terms and conditions of the purchase.

Section 4. Execution of Documents. The Village Manager and the Village Attorney are hereby authorized to execute any required documents on behalf of the Village and authorized to implement the terms and conditions of any documents necessary to affect the purchase.

Section 5. Authorization of Fund Expenditure. Notwithstanding the limitations imposed upon the Village Manager pursuant to the Village's Purchasing Procedures Ordinance, the Village Manager is authorized to expend budgeted funds to purchase the fire equipment.

Section 6. Disposal of Surplus Property. The Village Council hereby declares the 2009 International Chassis and 2004 International Rescue a surplus asset and authorizes the Village Manager to dispose of the surplus vehicle. The Village Manager is authorized to take all necessary and expedient action to effectuate the disposal of the surplus vehicle.

Section 7. Approval of Waiver of Competitive Bidding. Pursuant to section 2-328(a) and (b) of the Village Code, the Village Council approves a waiver of competitive bidding and the piggyback bidding process of the Florida Sheriff's Association/Florida Association of Counties & Florida Fire Chiefs' for purchase from Emergency Tactical Rescue Vehicles.

Section 8. Effective Date. This Resolution shall take effect immediately upon adoption.

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Motion to adopt by Deb Gillis, seconded by Don Horton.

FINAL VOTE AT ADOPTION

VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS

Mayor Sharon Mahoney Yes

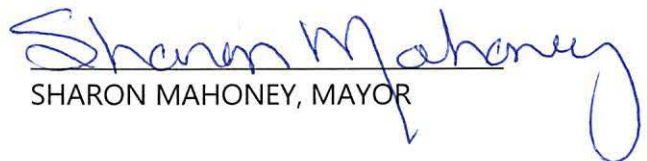
Vice Mayor Don Horton Yes

Councilman Steve Friedman Yes

Councilwoman Deb Gillis Yes

Councilwoman Anna Richards Yes

PASSED AND ADOPTED THIS 10TH DAY OF NOVEMBER, 2025.


SHARON MAHONEY, MAYOR

ATTEST:


MARNIE MCGRATH, VILLAGE CLERK

APPROVED AS TO FORM AND LEGALITY
FOR THE SOLE USE AND BENEFIT OF
ISLAMORADA, VILLAGE OF ISLANDS ONLY


JOHN QUICK, VILLAGE ATTORNEY



Prepared by:
Nathan Hoch
PREMIER TRUCK GROUP OF
DALLAS
4200 PORT BOULEVARD
DALLAS, TX 75241
Phone:

A proposal for
Islamorada Fire Rescue

Prepared by
PREMIER TRUCK GROUP OF DALLAS
Nathan Hoch

Sep 19, 2025

Freightliner M2 106 Plus
Islamorada Remount
MB001A
MY27 Specifications



Components shown may not reflect all spec'd options and are not to scale

Prepared by:
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4200 PORT BOULEVARD
DALLAS, TX 75241
Phone:

Q U O T A T I O N

M2 106 PLUS CONVENTIONAL CHASSIS

SET BACK AXLE - TRUCK
CUM B6.7 260EV HP @ 2400 RPM, 2600 GOV, 660 LB-FT
@ 1600 RPM, R/F/E
ALLISON 2200 EVS AUTOMATIC TRANSMISSION WITH
PARK PAWL WITH PTO PROVISION
MERITOR MS-17-14X 17,500# R-SERIES SINGLE REAR
AXLE
AIRLINER 12,000# REAR SUSPENSION
DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74 DROP
SINGLE FRONT AXLE

8,000# TAPERLEAF FRONT SUSPENSION
106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL
CAB
4325MM (170 INCH) WHEELBASE
NO FIFTH WHEEL
9/32X3-7/16X10-1/16 INCH STEEL FRAME
(7.14MMX255.6MM/0.281X10.06 INCH) 120KSI
1875MM (74 INCH) REAR FRAME OVERHANG



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

Data Code	Description
Price Level	
PRL-29M	M2 PRL-29M (EFF:MY27 ORDERS)
Data Version	
DRL-006	SPECPRO21 DATA RELEASE VER 006
Vehicle Configuration	
001-172	M2 106 PLUS CONVENTIONAL CHASSIS
004-226	2027 MODEL YEAR SPECIFIED
002-004	SET BACK AXLE - TRUCK
019-004	STRAIGHT TRUCK PROVISION, NON-TOWING
003-001	LH PRIMARY STEERING LOCATION
General Service	
AA1-002	TRUCK CONFIGURATION
AA6-002	DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)
99D-027	EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)
A85-006	RESCUE AND EMERGENCY SERVICE
A84-1EV	EMERGENCY VEHICLES BUSINESS SEGMENT
AA4-011	FIXED LOAD COMMODITY
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
AB1-008	MAXIMUM 8% EXPECTED GRADE
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE
995-091	MEDIUM TRUCK WARRANTY
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 8000.0 lbs
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 12000.0 lbs
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 20000.0 lbs

Data Code	Description
Truck Service	
AA3-024	AMBULANCE BODY
AF3-1U1	ETR VEHICLES
AF7-99D	EXPECTED BODY/PAYLOAD CG HEIGHT ABOVE FRAME "XX" INCHES : 32.0 in
Engine	
101-22A	CUM B6.7 260EV HP @ 2400 RPM, 2600 GOV, 660 LB-FT @ 1600 RPM, R/F/E
Electronic Parameters	
79A-078	78 MPH ROAD SPEED LIMIT
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT
79K-013	PTO MODE ENGINE RPM LIMIT - 1600 RPM
79P-032	PTO RPM CONTROL WITH STEERING WHEEL SWITCHES
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY
79W-024	CRUISE CONTROL BUTTON PTO CONTROL
79X-012	PTO SPEED 1 SETTING - 1400 RPM
79Y-011	PTO SPEED 2 SETTING - 1500 RPM
80G-011	PTO MINIMUM RPM - 950
80J-001	REGEN INHIBIT SPEED THRESHOLD - 0 MPH
80S-001	PTO 1, DASH SWITCH, STATIONARY OPERATION
80V-001	ENGINE MOUNT PTO, DASH SWITCH ENGAGES PTO MODE, STATIONARY OPERATION
Engine Equipment	
99C-024	EPA 2010/GHG 2024 CONFIGURATION
13E-001	STANDARD OIL PAN
105-001	ENGINE MOUNTED OIL CHECK AND FILL
014-099	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER
124-1E7	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE
292-235	(2) DTNA GENUINE, FLOODED STARTING, MIN 2000CCA, 370RC, THREADED STUD BATTERIES
290-017	BATTERY BOX FRAME MOUNTED

Data Code	Description
281-001	STANDARD BATTERY JUMPERS
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN
289-001	NON-POLISHED BATTERY BOX COVER
293-058	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS
107-032	CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR
131-013	AIR COMPRESSOR DISCHARGE LINE
152-039	GVG, FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING
128-076	CUMMINS ENGINE INTEGRAL BRAKE WITH VARIABLE GEOMETRY TURBO ON/OFF
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
28F-015	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH
239-020	10 FOOT 00 INCH (120 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT
233-017	STANDARD CURVE BRIGHT UPPER STACK(S)
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP

Data Code	Description
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAIPIPE SHIELD
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED
110-003	CUMMINS SPIN ON FUEL FILTER
118-001	FULL FLOW OIL FILTER
120-998	NO COOLANT FILTER
266-100	700 SQUARE INCH ALUMINUM RADIATOR
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
270-016	RADIATOR DRAIN VALVE
168-002	LOWER RADIATOR GUARD
138-010	PHILLIPS-TEMRO 750 WATT/115 VOLT BLOCK HEATER
140-022	CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR
134-001	ALUMINUM FLYWHEEL HOUSING
132-004	ELECTRIC GRID AIR INTAKE WARMER
155-058	DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

342-1MR	ALLISON 2200 EVS AUTOMATIC TRANSMISSION WITH PARK PAWL WITH PTO PROVISION
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Transmission Equipment

343-301	ALLISON VOCATIONAL PACKAGE 354 - AVAILABLE ON 1000/2000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, EVS, HS, MH, PTS AND SPS
84B-003	ALLISON VOCATIONAL RATING FOR FIRE TRUCK/EMERGENCY VEHICLE APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES
84C-003	PRIMARY MODE GEARS, 5 FORWARD GEARS WITH MANUAL SELECTION FOR 3, 2 AND 1, AVAILABLE FOR 1000/2000 PRODUCT FAMILIES ONLY
84E-000	PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE

Data Code	Description
84F-000	SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84G-000	PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84H-000	SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84K-000	ENGINE BRAKE RANGE ALTERNATE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE
84N-011	NEUTRAL AT STOP ENABLED
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES
85E-011	MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM
353-076	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH BLUNTCUTS
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR
362-802	CUSTOMER INSTALLED CHELSEA 442 SERIES PTO
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN
345-074	DASH MOUNTED T-HANDLE CABLE SHIFT CONTROL WITH PARK POSITION FOR INTERNAL PARK PAWL
97G-006	TRANSMISSION PROGNOSTICS - DISABLED (N/A) 2013, FOR USE IN 1000/2000 ONLY
370-015	WATER TO OIL TRANSMISSION COOLER, IN RADIATOR END TANK
346-001	TRANSMISSION OIL CHECK AND FILL
35T-001	ATF-SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Front Axle and Equipment

400-1EW DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74
 DROP SINGLE FRONT AXLE

Data Code	Description
402-021	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
403-026	FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT LINING
419-023	CONMET CAST IRON FRONT BRAKE DRUMS
409-006	FRONT OIL SEALS
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES
405-002	MERITOR AUTOMATIC FRONT SLACK ADJUSTERS
536-050	TRW THP-60 POWER STEERING
539-003	POWER STEERING PUMP
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR
40T-001	MINERAL SAE 80/90 FRONT AXLE LUBE

Front Suspension

620-032	8,000# TAPERLEAF FRONT SUSPENSION
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION
629-004	FRONT SWAYBAR
410-001	FRONT SHOCK ABSORBERS

Rear Axle and Equipment

420-1M4	MERITOR MS-17-14X 17,500# R-SERIES SINGLE REAR AXLE
421-433	4.33 REAR AXLE RATIO
424-001	IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
386-079	MXL 16T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES
452-001	DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE
878-018	(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE
87B-025	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE AT SPEEDS 5MPH OR LESS, DISENGAGE W/IGN OFF
423-028	MERITOR 15X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES

Data Code	Description
433-025	FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR BRAKE LINING
434-005	BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS
451-001	CAST IRON OUTBOARD REAR BRAKE DRUMS
440-006	REAR OIL SEALS
426-100	WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE

Rear Suspension

622-1CX	AIRLINER 12,000# REAR SUSPENSION
621-046	AIRLINER MID POSITION RIDE HEIGHT
431-001	STANDARD AXLE SEATS IN AXLE CLAMP GROUP
888-078	IGNITION CONTROLLED ELECTRIC DUMP SWITCH FOR AIR SUSPENSION WITH STATE RETENTION AND GAUGE
87D-011	REAR AIR SUSPENSION DUMP VALVE AUTOFILL >5 MPH WITH BUZZER AND INDICATOR LIGHT
910-004	DUAL AIR REAR SUSPENSION LEVELING VALVES
623-002	TRANSVERSE CONTROL RODS
630-006	10,000/15,000# AIRLINER REAR SUSPENSION STABILIZER BAR
439-004	REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE SUSPENSION)

Pusher / Tag Equipment

429-998	NO PUSHER/TAG BRAKE DUST SHIELDS
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Brake System

018-002	AIR BRAKE PACKAGE
490-100	WABCO 4S/4M ABS
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES
904-001	FIBER BRAID PARKING BRAKE HOSE
412-001	STANDARD BRAKE SYSTEM VALVES
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
413-002	STD U.S. FRONT BRAKE VALVE

Data Code	Description
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE
480-009	BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL
460-008	STEEL AIR BRAKE RESERVOIRS MOUNTED INSIDE RAIL
477-008	BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK, PETCOCKS ALL OTHERS

Trailer Connections

481-998	NO TRAILER AIR HOSE
476-998	NO AIR HOSE HANGER
310-998	NO TRAILER ELECTRICAL CABLE

Wheelbase & Frame

545-432	4325MM (170 INCH) WHEELBASE
546-099	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI
552-040	1875MM (74 INCH) REAR FRAME OVERHANG
55W-007	FRAME OVERHANG RANGE: 71 INCH TO 80 INCH
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 104.72 in
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 101.72 in
AE4-99D	CALC'D FRAME LENGTH - OVERALL : 283.05 in
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 177.97 in
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 81.92 in
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 0.0 in
553-001	SQUARE END OF FRAME
550-001	FRONT CLOSING CROSSMEMBER
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER
561-001	STANDARD CROSSMEMBER BACK OF TRANSMISSION
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)
572-001	STANDARD REARMOST CROSSMEMBER
565-001	STANDARD SUSPENSION CROSSMEMBER

Chassis Equipment

556-1AR	THREE-PIECE 14 INCH CHROMED STEEL BUMPER WITH COLLAPSIBLE ENDS
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Data Code	Description
558-001	FRONT TOW HOOKS - FRAME MOUNTED
574-001	BUMPER MOUNTING FOR SINGLE LICENSE PLATE
585-998	NO MUDFLAP BRACKETS
590-998	NO REAR MUDFLAPS
586-024	FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
551-007	GRADE 8 THREADED HEX HEADED FRAME FASTENERS
44Z-002	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE
601-017	2D DXF/PDF VEHICLE DRAWING
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD

Fifth Wheel

578-998	NO FIFTH WHEEL
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Fuel Tanks

204-998	NO LH FUEL TANK
230-043	40 GALLON/151 LITER RECTANGULAR STEEL FUEL TANK - BETWEEN RAILS
218-005	RECTANGULAR FUEL TANK(S)
215-009	PAINTED FUEL TANK(S), PAINTED STRAPS WITH RUBBER ISOLATORS
231-004	FUEL TANK(S) MOUNTED BETWEEN RAILS AFT OF REAR AXLE
664-001	PLAIN STEP FINISH
205-060	LH SIDEFILL FUEL TANK PREP CAP
122-1J2	DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND HAND PRIMER
216-001	SINGLE SUCTION AND RETURN FUEL LINES
20E-001	AUXILIARY FUEL SUPPLY AND RETURN PORTS
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE
847-002	IN TANK FUEL LEVEL SENDER(S)

Tires

093-16R	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL FRONT TIRES
094-16R	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL REAR TIRES

Data Code	Description
510-16R	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL SPARE TIRE
Hubs	
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS
Wheels	
502-1E5	ALCOA 77362X 19.5X7.50 10-HUB PILOT 5.23 INSET ALUMINUM DISC FRONT WHEELS
505-1E5	ALCOA 77362X 19.5X7.50 10-HUB PILOT ALUMINUM DISC REAR WHEELS
524-001	POLISHED FRONT WHEELS; OUTSIDE ONLY
525-001	POLISHED REAR WHEELS; OUTSIDE OF OUTER WHEELS ONLY
511-1E5	ALCOA 77362X 19.5X7.50 10-HUB PILOT ALUMINUM DISC SPARE WHEEL
496-011	FRONT WHEEL MOUNTING NUTS
497-011	REAR WHEEL MOUNTING NUTS
498-012	NYLON WHEEL GUARDS BETWEEN REAR DUAL WHEELS ONLY
Cab Exterior	
829-071	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
650-009	RUBBER CAB MOUNTS
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE
678-018	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT
646-023	HOOD MOUNTED CHROMED PLASTIC GRILLE
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE
644-004	FIBERGLASS HOOD
690-007	HOOD LINER INSULATION WITH SINGLE FIREWALL INSULATION
727-1B0	DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS
726-002	DUAL ELECTRIC HORNS
728-002	DUAL HORN SHIELDS
575-001	REAR LICENSE PLATE MOUNT END OF FRAME
312-038	INTEGRAL HEADLIGHT/MARKER ASSEMBLY WITH CHROME BEZEL

Data Code	Description
302-047	LED AERODYNAMIC MARKER LIGHTS
311-022	HEADLIGHTS OFF WITH IGNITION OFF, WITH DAYTIME RUNNING LIGHTS
294-046	OMIT STOP/TAIL/BACKUP LIGHTS AND PROVIDE WIRING WITH SEPARATE STOP/TURN WIRES TO 4 FEET BEYOND END OF FRAME
300-015	STANDARD FRONT TURN SIGNAL LAMPS
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE
797-001	DOOR MOUNTED MIRRORS
796-001	102 INCH EQUIPMENT WIDTH
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS
74A-001	RH DOWN VIEW MIRROR
729-001	STANDARD SIDE/REAR REFLECTORS
768-998	NO REAR WINDOW
661-003	TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS
654-011	RH AND LH ELECTRIC POWERED WINDOWS
663-013	1-PIECE SOLAR GREEN GLASS WINDSHIELD
659-019	2 GALLON WINDSHIELD WASHER RESERVOIR WITHOUT FLUID LEVEL INDICATOR, FRAME MOUNTED

Cab Interior

055-019	RUGGED TRIM PACKAGE
707-107	GRAY & CARBON VINYL INTERIOR "RUGGED"
70K-020	CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED)
706-013	MOLDED DOOR PANEL
708-013	MOLDED PLASTIC DOOR PANEL
772-006	BLACK MATS WITH SINGLE INSULATION
785-035	ASH CUP AND (1)LIGHTER,(1)DASH MOUNTED DUAL USB-C OUTLET
691-001	FORWARD ROOF MOUNTED CONSOLE
693-035	LH AND RH KICKPLATES
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY
742-007	(2) CUP HOLDERS LH AND RH DASH
680-029	M2/SD DASH
700-002	HEATER, DEFROSTER AND AIR CONDITIONER
701-001	STANDARD HVAC DUCTING

Data Code	Description
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
170-015	STANDARD HEATER PLUMBING
130-043	(1) VALEO HEAVY DUTY AND (1) SANDEN COMPACT REFRIGERANT COMPRESSORS
702-002	BINARY CONTROL, R-134A
739-034	PREMIUM INSULATION
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM
324-1B2	PREMIUM LED CAB LIGHTING
787-998	NO SECURITY DEVICE
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME
78G-004	KEY QUANTITY OF 4
655-005	LH AND RH ELECTRIC DOOR LOCKS
740-998	NO MATTRESS
756-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION
760-338	BASIC ISRINGHAUSEN HIGH BACK AIR SUSPENSION PASSENGER SEAT WITH MECHANICAL LUMBAR AND INTEGRATED CUSHION EXTENSION
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS
699-998	NO SEAT OPTIONS
758-1AK	BLACK VINYL DRIVER SEAT COVER
761-1AK	BLACK VINYL PASSENGER SEAT COVER
763-104	HIGH VISIBILITY ORANGE SEAT BELTS WITH DRIVER INDICATOR LIGHT AND AUDIBLE ALARM
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

106-002	ELECTRONIC ACCELERATOR CONTROL
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Data Code	Description
732-998	NO INSTRUMENT PANEL-DRIVER
734-022	FULLY CONFIGURABLE CENTER INSTRUMENT PANELS
87L-001	ENGINE REMOTE INTERFACE WITH PARK BRAKE INTERLOCK
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE
198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH
844-001	2 INCH ELECTRIC FUEL GAUGE
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS
48H-004	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS
48C-002	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) BETWEEN SEATS WITH BLUNTCUTS
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
864-001	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE

Data Code	Description
736-998	NO OBSTACLE DETECTION SYSTEM
72J-998	NO DR ASSIST SYSTEM
73H-014	(1) BACKUP CAMERA-END OF FRAME MOUNTED WITH 15 FOOT EXTRA LONG CABLE COILED AT END OF FRAME
49B-998	NO VEHICLE STABILITY ADVISOR OR CONTROL
73B-998	NO LANE DEPARTURE WARNING SYSTEM
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE
679-023	CENTER OVERHEAD INSTRUMENT PANEL BLANK
35M-012	1 QUIKFIT PROGRAMABLE MODULE (QPMXMC) W/ (8) 20AMP FUSED RELAYS
1U1-002	TOP OF DASH RAM MOUNT WITHOUT POWER OR GROUND, FOR CUSTOMER FURNISHED DEVICE
746-143	7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE
747-001	DASH MOUNTED RADIO
750-002	(2) RADIO SPEAKERS IN CAB
753-998	NO AM/FM RADIO ANTENNA
749-998	NO CB RADIO MOUNTING PROVISION
75W-002	SHARKFIN MULTI-BAND ANTENNA, RIGHT HAND BIAS ROOF MOUNTING LOCATION: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS
78C-003	INTEROPERABLE SDAR ANTENNA
74D-006	STANDARD RADIO WIRING WITH STEERING WHEEL CONTROLS
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER
817-001	STANDARD VEHICLE SPEED SENSOR
812-001	ELECTRONIC 3000 RPM TACHOMETER
813-1C8	DETROIT CONNECT PLATFORM HARDWARE
8D1-313	3 YEARS DAIMLER CONNECTIVITY BASE PACKAGE ON (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP

Data Code	Description
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY
264-014	(2) FOOT SWITCHES: (1) OFFICER AIR HORN AND (1) DRIVER AIR HORN
883-998	NO TRAILER HAND CONTROL BRAKE VALVE
842-006	DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS
27D-004	ALTERNATING FLASHING (WIG WAG) HIGH BEAM HEADLAMPS WITH PARK BRAKE RELEASED AND TEM WIRED INPUT
882-009	ONE VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY
87T-998	NO WRG/SW-OPTL #2, CHAS, AIR

Design

065-902	TWO COLOR CUSTOM PAINT
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Color

980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY
981-6D7	CAB COLOR B: L4664EY RED PIERCE #90 ELITE EY
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT
963-003	STANDARD E COAT/UNDERCOATING

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS
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Extended Warranty

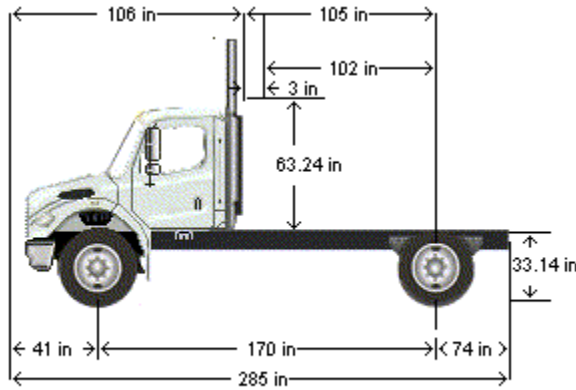
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Phone:

WAG-037 TOWING: 6 MONTHS/UNLIMITED MILES/KM EXTENDED TOWING
COVERAGE \$1200 CAP FEX APPLIES

(***) 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.



DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model	M2106
Wheelbase (545)	4325MM (170 INCH) WHEELBASE
Rear Frame Overhang (552)	1875MM (74 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/SLEEPER CAB
Exhaust System (016)	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE
Cab to Body Clearance (in)	3.0

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)	104.7
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	101.7
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	178.5
Cab Height (CH)	63.2
Wheelbase (WB)	170.3
Frame Overhang (OH)	73.8
Overall Frame Length	283.1
Overall Length (OAL)	284.8
Rear Axle Spacing	0.0
Unladen Frame Height at Centerline of Rear Axle	33.1

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

G V W R

VEHICLE SPECIFICATIONS SUMMARY - GVWR

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	8000.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs).....	12000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs).....	20000
Expected GCW (lbs).....	0.0
Front Axle (400).....	DETROIT DA-F-8.0-3 8,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
Front Suspension (620).....	8,000# TAPERLEAF FRONT SUSPENSION
Front Hubs (418).....	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
Front Disc Wheels (502).....	ALCOA 77362X 19.5X7.50 10-HUB PILOT 5.23 INSET ALUMINUM DISC FRONT WHEELS
Front Tires (093).....	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL FRONT TIRES
Front Brakes (402).....	MERITOR 15X5 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Steering Gear (536).....	TRW THP-60 POWER STEERING
Rear Axle (420).....	MERITOR MS-17-14X 17,500# R-SERIES SINGLE REAR AXLE
Rear Suspension (622).....	AIRLINER 12,000# REAR SUSPENSION
Rear Hubs (450).....	CONMET PRESET PLUS PREMIUM IRON REAR HUBS
Rear Disc Wheels (505).....	ALCOA 77362X 19.5X7.50 10-HUB PILOT ALUMINUM DISC REAR WHEELS
Rear Tires (094).....	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL REAR TIRES
Rear Brakes (423).....	MERITOR 15X8.62 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES
Pusher / Tag Axle (443).....	NO PUSHER OR TAG AXLE
Pusher / Tag Suspension (626).....	NO PUSHER OR TAG SUSPENSION
Pusher / Tag Hubs (449).....	NO PUSHER OR TAG HUBS
Dead/Pusher/Tag Disc Wheels (509).....	NO PUSHER/TAG DISC WHEELS
Pusher / Tag Tires (095).....	NO PUSHER/TAG TIRES
Pusher / Tag Brakes (456).....	NO PUSHER/TAG BRAKES

TABLE SUMMARY - GVWR

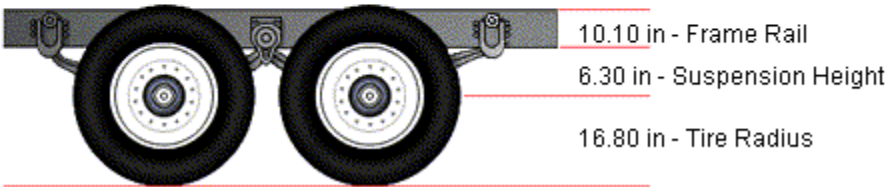
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	Front	Rear
Axle Component Weight Ratings		
Axles	8000	17500
Suspension	8000	12000
Hubs	14700	26000
Brakes	9999	12999
Wheels	13400	26800
Tires	9880	18700
Power Steering	13300	N/A
GAWR (per axle)	8000	12000
GAWR (per axle system)	8000	12000
Expected Load (per axle system)	8000	12000
GVWR due to Frame	90000	
GVWR due to Transmission	26000	
Vehicle GVWR Summary		
Calculated GVWR	20000	
Expected GVWR	20000	
All weights displayed in pounds		

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

UNLADEN FRAME HEIGHT

Unladen Height	Requested	Calculated
Frame (in)	N/A	33.10



VEHICLE SPECIFICATIONS SUMMARY - UNLADEN FRAME HEIGHT

Model	M2106
Cab Size (829).....	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Frame Rails (546).....	9/32X3-7/16X10-1/16 INCH STEEL FRAME (7.14MMX255.6MM/0.281X10.06 INCH) 120KSI(546)
Web Height (in).....	10.0625
Flange Thickness (in).....	0.28125
Rear Suspension (622).....	AIRLINER 12,000# REAR SUSPENSION
Rear Suspension Ride Height (621).....	AIRLINER MID POSITION RIDE HEIGHT
Axle C/L to Bottom of Frame (in).....	6.279
Rear Tires (094)	MICHELIN AGILIS HDZ 245/70R19.5 16 PLY RADIAL REAR TIRES
Unladen Radius (in)	16.8
Fifth Wheel (578)	NO FIFTH WHEEL
Requested Min Height (in)	0.0
Requested Max Height (in)	1
Fifth Wheel Leg Height (582)	NO FIFTH WHEEL LEG HEIGHT
Rear Tow Device (587).....	NO REAR TOWING DEVICE
Requested Min Height (in)	0.0
Requested Max Height (in)	0.0

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

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