

*** CONDENSED SPECIFICATION PROPOSAL ***

	Description	Weight Front	Weight Rear
Vehicle Configuration			
	M2 106 PLUS CONVENTIONAL CHASSIS SET BACK AXLE - TRUCK	5,709	3,450
Engine			
	CUM L9 350 HP @ 2200 RPM; 2200 GOV RPM, 1050 LB-FT @ 1200 RPM	640	30
Engine Equipment			
	C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH	80	
	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
Transmission			
	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	200	60
Front Axle and Equipment			
	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3. 74 DROP SINGLE FRONT AXLE		
Front Suspension			
	12,000# DUAL TAPERLEAF FRONT SUSPENSION	42	
Rear Axle and Equipment			
	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE 5.56 REAR AXLE RATIO		
Rear Suspension			
	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER		100
Wheelbase & Frame			
	4775MM (188 INCH) WHEELBASE 8.0MM X 89.0MM X 261MM STEEL FRAME (0.31X3.50X10.28 INCH) 140KSI	80	70

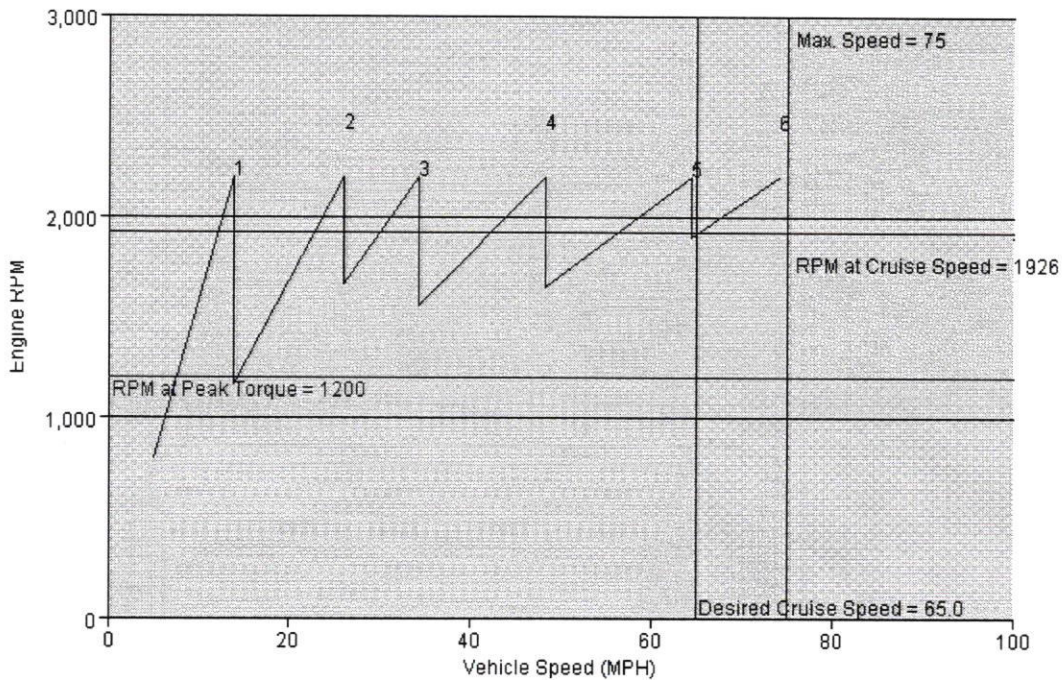


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	Description	Weight Front	Weight Rear	
Fuel Tanks				
	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH	20		
Tires				
	BRIDGESTONE R273 ECOPIA 11R22.5 14 PLY RADIAL FRONT TIRES	20		
	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES		76	
Wheels				
	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	
Cab Exterior				
	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			
Color				
	CAB COLOR A: L0006EY WHITE ELITE EY BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			
Weight Summary				
		Weight Front	Weight Rear	Total Weight
Factory Weight+		7063 lbs	3774 lbs	10837 lbs
Total Weight+		7063 lbs	3774 lbs	10837 lbs
ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE				
Other Factory Charges				



SHIFT CHART



VEHICLE SPECIFICATIONS SUMMARY - SHIFT CHART

Model	M2106
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Desired Cruise Speed (mph)	65.0
Engine (101)	CUM L9 350 HP @ 2200 RPM; 2200 GOV RPM, 1050 LB-FT @ 1200 RPM
RPM at Peak Torque	1200
Governed RPM	2200
Transmission (342)	ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION
Gear Ratio: LL	N/A
Gear Ratio: L	N/A
Gear Ratio: 1	3.49
Gear Ratio: 2	1.86
Gear Ratio: 3	1.41
Gear Ratio: 4	1
Gear Ratio: 5	0.75
Gear Ratio: 6	0.65



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Gear Ratio: 7	N/A
Gear Ratio: 8	N/A
Gear Ratio: 9	N/A
Gear Ratio: 10	N/A
Gear Ratio: 11	N/A
Gear Ratio: 12	N/A
Gear Ratio: 13	N/A
Gear Ratio: 14	N/A
Gear Ratio: 15	N/A
Gear Ratio: 16	N/A
Gear Ratio: 17	N/A
Gear Ratio: 18	N/A
Auxiliary Transmission (352)	NO AUXILIARY TRANSMISSION
Low Gear Ratio	N/A
High Gear Ratio	N/A
Transfer Case (373)	NO TRANSFER CASE
Low Gear Ratio	N/A
High Gear Ratio	N/A
Rear Axle (420)	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE
Number of Speeds	1
Rear Axle Gear Ratio(s)	5.56 REAR AXLE RATIO
Rear Tires (094)	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES
Revolutions per Mile	492

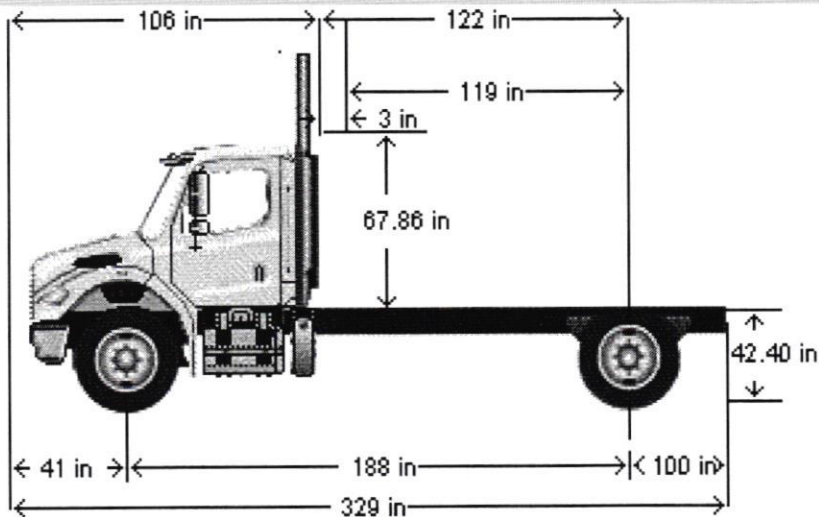
TABLE SUMMARY - SHIFT CHART

Transmission Gear	Transmission Gear Ratio	Rear Axle Ratio	Overall Gear Ratio	Percent Split	RPM After Shift	MPH at Peak Torque RPM	MPH at Governed
1	3.49	5.56	19.40	N/A	800	7.5	13.8
2	1.86	5.56	10.34	87.6	1172	14.2	25.9
3	1.41	5.56	7.84	31.9	1668	18.7	34.2
4	1.00	5.56	5.56	41.0	1560	26.3	48.3
5	0.75	5.56	4.17	33.3	1650	35.1	64.3
6	0.65	5.56	3.61	15.4	1907	40.5	74.2

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



DIMENSIONS



VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model		M2106
Wheelbase (545)	4775MM (188 INCH) WHEELBASE	
Rear Frame Overhang (552)	2550MM (100 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 B-PILLAR MOUNTED VERTICAL TAILPIPE	
Cab to Body Clearance (in)		3.0



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TABLE SUMMARY - GVWR

	Front	Rear
Axle Component Weight Ratings		
Axles	12000	21000
Suspension	12000	21000
Hubs	13300	23000
Brakes	13300	23000
Wheels	14800	29600
Tires	12350	23360
Power Steering	13300	N/A
GAWR (per axle)	12000	21000
GAWR (per axle system)	12000	21000
Expected Load (per axle system)	12000	21000
GVWR due to Frame	90000	
GVWR due to Transmission	80000	
Vehicle GVWR Summary		
Calculated GVWR	33000	
Expected GVWR	33000	
<small>All weights displayed in pounds</small>		

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Body Width (in)	96.0
Body Weight (lbs)	0.0
Body Horiz CG from Body Front (ft)	8.5
Body Front to Rear Axle(s) CL (ft)	9.95
Driver Weight (lbs)	250.0
Driver Horizontal CG from Front Axle (in)	46.302
Left-Hand Primary Fuel/Hydraulic Tank (204)	50 GALLON/189 LITER SHORT RECTANGULAR ALUMINUM FUEL TANK - LH
Left Fuel Tank Horizontal CG (in)	84.8825
Right-Hand Primary Fuel/Hydraulic Tank (206)	NO RH FUEL TANK
Right Fuel Tank Horizontal CG (in)	0

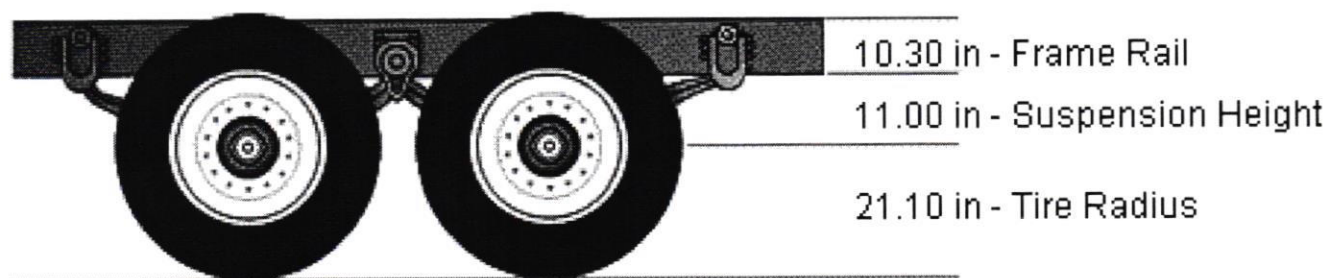
TABLE SUMMARY - TRUCK WEIGHT

Item	Front(s)	Rear(s)	Total
Chassis Tare	7063	3774	10837
Fuel / Oil	220	194	414
Driver	188	62	250
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	0	0	0
Truck Tare Weight	7471	4030	11501
Payload Total	0	0	0
Calculated Axle Loads	7471	4030	11501
Expected Axle Loads / GVW	12000	21000	33000
GAWR / GVWR	12000	21000	33000
Payload CG From Front of Body		8.5 feet	
Payload CG From Front Axle		14.2 feet	
Payload Distribution		Variable	
All weights displayed in pounds			
Item	Front(s)	Rear(s)	Total
Chassis Tare	7063	3774	10837
Fuel / Oil	220	194	414
Driver	188	62	250
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	0	0	0
Truck Tare Weight	7471	4030	11501
Payload Total	0	0	0
Calculated Axle Loads	7471	4030	11501
Expected Axle Loads / GVW	12000	21000	33000
GAWR / GVWR	12000	21000	33000
Payload CG From Front of Body		8.5 feet	
Payload CG From Front Axle		14.2 feet	
Payload Distribution		Variable	
All weights displayed in pounds			



UNLADEN FRAME HEIGHT

Unladen Height	Requested	Calculated
Frame (in)	N/A	42.40

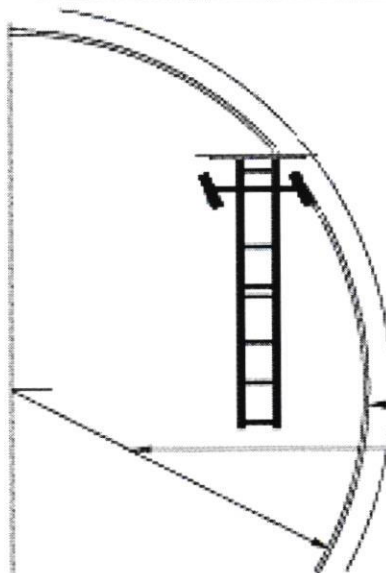


VEHICLE SPECIFICATIONS SUMMARY - UNLADEN FRAME HEIGHT

Model	M2106
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Frame Rails (546)	8.0MM X 89.0MM X 261MM STEEL FRAME (0.31X3.50X10.28 INCH) 140KSI(546)
Web Height (in)	10.28
Flange Thickness (in)	0.31
Rear Suspension (622)	21,000# 52 INCH VARIABLE RATE MULTI-LEAF SPRING REAR SUSPENSION WITH LEAF SPRING HELPER
Rear Suspension Ride Height (621)	SPRING SUSPENSION - 1.00" AXLE SPACER
Axle C/L to Bottom of Frame (in)	11.018
Rear Tires (094)	BRIDGESTONE M726ELA 11R22.5 14 PLY RADIAL REAR TIRES
Unladen Radius (in)	21.1
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

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)	52.4	+/- 3.0
Curb to Curb Diameter (ft)	50.7	+/- 3.0
Turning Radius (ft)	24.9	+/- 1.5

VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model	M2106
Cab Size (829)	106 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Wheelbase (545)	4775MM (188 INCH) WHEELBASE
Front Tires (093)	BRIDGESTONE R273 ECOPIA 11R22.5 14 PLY RADIAL FRONT TIRES
Width (in)	11.3
Front Axle (400)	DETROIT DA-F-12.0-3 12,000# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE
Kingpin Intersection (in)	71.5
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)	DETROIT DA-RS-21.0-4 21,000# R-SERIES SINGLE REAR AXLE