

Rosenbauer - South Dakota

DEPARTMENT: HEIMAN FIRE

PROJECT: 1122

Wheel Base	191
C A	25.4
Cab to Pump Compartment	6.4
Pump Compartment	0
Tank Length Lower	123
Tank Length Upper	154
Body Length	163
Total Tank Capacity	2000
Aerial Size	0



Percent of Weight to Front Axle		
Water (& Foam) Lower	Body	Pump
10.21%	19.63%	62.30%
Water (& Foam) Upper	Aerial	Hose
18.32%	NA	20.16%

	TOTAL WT	FRONT WT	REAR WT	
Water (& Foam) Lower	2,457	251	2,206	
Water (& Foam) Upper	16,107	2,952	13,156	
Body	3,586	704	2,882	
Pump	1,025	639	386	
Aerial	0	0	0	
Chassis	12,742	7,869	4,873	
Miscellaneous Equipment	1,210	347	863	
SUB TOTAL	37,127	12,761	24,366	
NFPA 1901 Equipment Allowance	1,000	307	693	
Additional Equipment Allowance	0	0	0	
NFPA Personnel Load 2	500	353	147	
Hose Load	1,265	255	1,010	
Ground Ladders	131	26	105	
	0	0	0	Side-to-Side Tire Load Variation
TOTAL	40,023	13,701	26,322	-0.6%
		34.23%	65.77%	

NOTE: Weights shown are approximate

Proposed chassis information:		Brand:	FL	Crew Doors:	2	GVWR
			2 Wheel Drive			
Axle Capacities:	Front:		16,000	Rear:	30,000	46,000
Estimated Chassis Weight: (includes +5% variance)	Front:		7869	Rear:	4873	

NOTE: Chassis weights **MUST BE VERIFIED** by the DEALER. Dealer will be responsible for confirming the axles are adequate for the proposed apparatus. 1000# extra capacity per axle is recommended.