

# Rosenbauer- South Dakota

DEPARTMENT: STOCK 101' KING COBRA STA2201

Wheel Base	244
C A	184
Cab to Pump Compartment	3
Pump Compartment	51
Tank Length Lower	110
Tank Length Upper	110
Body Length	291
Total Tank Capacity	500
Aerial Size	101' King Cobra



Percent of Weight to Front Axle		
Water (& Foam) Lower	Body	Pump
29.51%	-6.76%	63.73%
Water (& Foam) Upper	Aerial	Hose
29.51%	4.10%	0.41%

	TOTAL WT	FRONT WT	REAR WT
Water (& Foam) Lower	2,197	648	1,549
Water (& Foam) Upper	2,353	694	1,659
Body	7,566	-512	8,078
Pump	2,200	1,402	798
Aerial	34,000	1,393	32,607
<b>SUB TOTAL</b>	<b>48,316</b>	<b>3,626</b>	<b>44,690</b>
Chassis	27,215	16,614	10,601
<b>SUB TOTAL</b>	<b>75,531</b>	<b>20,241</b>	<b>55,290</b>
Miscellaneous Equipment	1,390	311	1,079
NFPA 1901 Equipment Allowance	2,500	-61	2,561
NFPA Personnel Load (Included in Chassis if 0)	1,500	1,439	61
Hose Load	1,150	5	1,145
Ground Ladders	381	-26	407
Counter Weight	1,000	-580	1,580
<b>TOTAL</b>	<b>83,452</b>	<b>21,327</b>	<b>62,125</b>
		<b>25.56%</b>	<b>74.44%</b>

NOTE: Weights shown are approximate and do not include stability ballast on aerials

Proposed chassis information:	Brand:	<b>ROSENBAUER</b>	Crew Doors:	4
		2 Wheel Drive		
Axle Capacities:	Front:	23,000	Rear:	63,000
Estimated Chassis Weight: (includes +5% variance)	Front:	16614	Rear:	10601
				GVWR
				86,000

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.