

028-6
Nov

DEPARTMENT:

DEPARTMENT: CHESTERMERE

Wheel Base	161.8
C A	60
Cab to Pump Compartment	2
Pump Compartment	0
Tank Length Lower	44
Tank Length Upper	44
Body Length	106
Tank Capacity	270
Aerial Size	0



Percent of Weight to Front Axle		
Water Lower	Body	Pump
1.24%	3.09%	35.85%
Water Upper	Aerial	Hose
1.24%	NA	3.71%

	TOTAL WT	FRONT WT	REAR WT
Water Lower	879	11	868
Water Upper	1,578	20	1,559
Body	1,484	46	1,438
Pump	0	0	0
Aerial	NA	0	0
SUB TOTAL	3,941	76	3,865
Chassis	7,718	4,373	3,344
SUB TOTAL	11,659	4,449	7,209
Miscellaneous Equipment	700	-112	812
NFPA 1901 Equipment Allowance	1,500	380	1,120
NFPA Personnel Load (Included in Chassis if 0)	1,000	518	482
Hose Load	0	0	0
Ground Ladders	0	0	0
	0	0	0
TOTAL	14,859	5,235	9,623
		35.23%	64.77%

NOTE: Weights shown are approximate

Proposed chassis information: Axle Capacities: Estimated Chassis Weight: (includes +5% variance)	Brand:	FORD	Crew Doors:	2	GVWR
		4X4			
	Front:	5,600	Rear:	12,000	16,500
	Front:	4373	Rear:	3344	

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.

Approximate Center of Gravity Calculated

City Name: CHESTERMERE



Chassis Vertical Center of Gravity From Ground			
Tilt Table		From Manufacture	
Chassis Track Width-	0.00	41	
Degree to Tip Over-	1.00		
Chassis CG (inches)-	0.00		
Ground to Top of Frame-		41	
Rear Axle Track Width-		72	

	Overall Height of Load	Top of Frame Rails to Bottom of Load	CG Above Frame	Weight	Vertical Moment (Inch Lbs)
Tank & Water- Lower	12	1.5	7.5	879	6591
Tank & Water- Upper	23.88	13.5	25.439015	1578	40147.85296
Hose	15.37	39.13	46.814015	0	0
Pump	18	10	19	0	0
Body	71.5	-17	18.75	1484	27825
Ground Ladders	28	30	44	0	0
Chassis	See Above		0.00	7717.5	0
Personnel (If 0 included in Chassis Weight)	56	4	32	1000	32000
Equipment	58	-15	14	2200	30800
Aerial Device	See Drawing			0	0
		Total	9.24	14858.5	137363.853

CG Above Ground 50.24

Verticle Center Of Gravity Height
Compared To Track Width 69.78%
(To Be Less Then 80%)

Horizontal Center of Gravity
(From Rear Axle) 57.01