

Truck and Trailer Weight Calculator

2003 Dodge Laramie 4 X 4 Long Bed DRW, 4:10 axles

	Engine		48RE Trans		ATS 48RE Billet Trans		Rear Wheels	
	HP	Torque	Max Tq.	% Max	Max Tq.	% Max	HP	Torque
Stock:	305	555	770	72%	1000	56%	265	475
Edge Level 1:	330	635		82%		64%	290	555
Edge Level 2:	345	675		88%		68%	305	595
Edge Level 3:	365	705		92%		71%	325	625
Edge Level 4:	385	755		98%		76%	345	675
Edge Level 5:	405	805		105%		81%	365	725

GVW	
kg	lb
Truck GVWR:	5440 / 11993
Truck Front Axle GAWR:	2359 / 5201
Truck Rear Axle GAWR:	4242 / 9352
Hitch Rating:	9072 / 20000
Trailer GVWR:	8007 / 17652
Trailer Axles GAWR:	6840 / 15080
Combined GCWR:	10433 / 23001

2004 Komfort Karryall - 36 Foot  
 Overall Length: 54' 4" = 16.56 meters  
 Height: 12' 6" = 3.84 meters  
 Model: 36FKA  
 S/N: 1K53KUR2242030543

	Combined		Truck							Trailer Axles			Trailer				
	kg	lb	% GCWR	Frnt Axle % GAWR	Rear Axle % GAWR	Total		Pin Weight		Hitch % of Rating	kg	lb	% GVWR	kg	lb	% GVWR	
						kg	lb	% GVWR	kg								lb
Truck Only:				93.3%	42.7%	4010	8841	73.7%									
Dry:	9730	21451	93.3%	89.0%	72.6%	5180	11420	95.2%	1170	2579	63.1%	4550	10031	66.5%	5720	12610	71.4%
Loaded (1):	10930	24097	104.8%	93.7%	73.8%	5340	11773	98.2%	1330	2932	76.3%	5590	12324	81.7%	6920	15256	86.4%
Calculated:	10180	22443	97.6%	93.7%	79.7%	5591	12325	102.8%	1581	3485	68.0%	4589	10118	67.1%	6170	13603	77.1%

Truck Tires					
Front			Rear		
Tires - Goodyear LT235-80R-17(E)			Tires - Goodyear LT235-80R-17(E)		
Actual	1105	2436.11	Actual	782.5	1725.12
psi	kg	lb	psi	kg	lb
35	860	1895	35	782	1725
40	932	2055	40	848	1870
45	1030	2270	45	925	2040
50	1091	2405	50	993	2190
55	1154	2545	55	1050	2315
60	1216	2680	60	1120	2470
65	1277	2815	65	1161	2560
70	1338	2950	70	1218	2685
75	1399	3085	75	1286	2835
80	1399	3085	80	1286	2835



Distance Load Center to Axle Center: 7.480 meters  
 Distance Pin to Load Center: 9.980 meters

Front		Rear		Pin Weight			Trailer Axles		Load Center	
kg	lb	kg	lb	kg	lb	%	kg	lb	kg	lb
Truck Only:	2200	4850	1810	3990			4550	10031		
Dry:	2100	4630	3080	6790	1270	2800	21.8%	5590	12324	
Loaded (1):	2210	4872	3130	6900	1320	2910	19.1%			
Calc'd (2):	2210	4872	3381	7453	1571	3463	25.5%	4589	10118	-750 / -1653

Trailer Tires					
Loaded			Calculated		
Tires - Goodyear ST235-85R-16(G)			Tires - Goodyear ST235-85R-16(G)		
Actual	1397.5	3080.96	Actual	1147.33	2529.44
psi	kg	lb	psi	kg	lb
35	701	1545	35	701	1545
40	771	1700	40	771	1700
45	837	1845	45	837	1845
50	910	2006	50	910	2006
55	964	2125	55	964	2125
60	1025	2260	60	1025	2260
65	1080	2381	65	1080	2381
70	1157	2551	70	1157	2551
75	1200	2645	75	1200	2645
80	1260	2778	80	1260	2778
85	1309	2885	85	1309	2885
90	1363	3005	90	1363	3005
95	1399	3085	95	1399	3085
100	1465	3230	100	1465	3230
105	1517	3345	105	1517	3345
110	1549	3415	110	1549	3415

	Volumes		Fillage %	Mass	
	Gal	litres		lb	kg
Fresh Water:	100	379	100%	835	379
Grey Water:	90	341	5%	38	17
Black Water:	45	170	5%	19	9
Total:				891	404

- Notes:
- Loaded includes ~ 50% fresh water volume with some grey water on board and base load of 750# Harley Davidson plus tools, gas, etc.
  - Calculated is with additional weight added to "Loaded" Weight

