Trailer Towing Calculator

Weight Carrying vs Weight Distribution Hitches

https://www.ajdesigner.com/apptrailertow/weightdistributionhitch.php

Assumptions

Greater research; door stickers, conversation with KIA dealer needed to increase accuracy

Approximate GCWR'

Ford Motor Company the GCV	VR is calculated by	adding the following weights together:
		d, driver and passenger weight and trailer weight
gvwr	5700	
curb	4,200	Approx: gvwr - payload
payload	550	1.200 - tongue (350)-passemgers(300)
passenger	300	2x person
trailer	5,000	max TV rating
GCWR	10,050	

TaB 400 and Kia Information

3,900	
320	
2,876	
1,000	
3,500	
219	inches
133	inches
3,200	approx
2,800	guess
30	inch est
	320 2,876 1,000 3,500 219 133 3,200 2,800

Set-up Used on Calculator

Enter Tow Vehicle Rati	ngs/Dime	ensions									
GVWR:	5700	₽ lb	GCWR:	10500	₽ lb	FGAWR:	2800	₽ lb			
RGAWR:	3200	⊕ Ib	Max Loaded Trailer Weight:	5000	₿	Wheelbase:	114	‡ in			
Rear Axle to Ball Length:	30	in									
Enter Tow Vehicle Weights											
GVW:	5400	₽ lb	Front/Rear Distribution:	50	⊕ %	FGAW:	2700	lb			
RGAW:	2700	lb									
Enter Hitch and Ball Ra	atings										
WC Max Trailer Weight:	5000	₿lb	WC Max Tongue Weight:	351	⊕ Ib	WD Max Trailer Weight:	5000	⊕ Ib			
WD Max Tongue Weight:	351	₿	Ball GTW Rating:	5000	₿lb						
Enter WD Hitch Specs											
Tension (Total):	1000	₽ lb	Bar Length:	30	in						
Enter Trailer Ratings/D	imension	ıs									
GVWR:	3800	₽ lb	GAWR:	3900	₿lb	Axle to Ball Length:	133	‡ in			
Enter Trailer Weights											
GVW or GTW:	3500	₿	Tongue-Axle Weight %:	10	⊕ %	Tongue Weight:	350	lb			
GAW:	3150	lb									

blank space

WC = standard hitch

WD = weight distribution hitch



















