

CURTAIN SIDED BODY  
 SCANIA THIRSK RICHARD WOOD  
 Scania R445LB6X2MNA 5100

NAME		
Wheelbase		mm 5100
Front overhang		mm 1455
2-AXLED REAR BOGIE		
bogie wheelbase		mm 1355
bogies centre of gravity backwards from bogies first axle		mm 866
measurement: front axle-rear of cab		mm 856

	x CoG	Fa	Ra	Total
+ Chassis weight		4861	3038	7899
+ number of persons 1 x 75 kg	0	75	0	75
+ body weight 200 kg/m	5227	212	1498	1710
+ Towing coupling	8156	-37	137	100
= Weight unloaded weight without trailer		5111	4673	9784
+ Towing Bar Weight (Unloaded )	8156	-44	164	120
= weights unloaded :		5067	4837	9904
+ carrying capacity	5227	1986	14052	16038
+ Towing Bar Weight (Loaded )	8156	-65	243	178
= Weights loaded :		7032	18968	26000
:: Gross Vehicle Weight		8000	19000	26000
Centeraxletrailer CURTAIN SIDED TRAILER				
+ own weight		120	4640	4760
= weights unloaded :		120	4640	4760
+ carrying capacity	-25	58	13182	13240
= Weights loaded :		178	17822	18000
:: trailer gross weight		1000	18000	18000

Optimum BODY MEASUREMENTS with evenload : ( x1 = 960 mm )

Body length	mm	8645	...	7983
overhang	mm	3828	...	3166
overhang %	%	66	...	55
truck length	mm	11061	...	10399
loadpoint	mm	495	...	826

CURTAIN SIDED TRAILER

R out= 12500 R min = 5504

Clearance = 882

Corner clearance = 371 OK

truck width= 2550 : trailer width= 2550

allowed rear axle weight kg 18000

Turning calculation:

measurement x (bumpers corner...bogies centre of gravity) x=	mm	7735
front overhang to bumpers corner	mm	1280
width to bumpers corner	mm	2300