Tipping Load and Rated Operating Capacity (ROC)

In accordance with ISO 14397-1:2007(E), the tipping load was determined by the load that when put in the bucket or fork will commence tipping of the machine. This load has been determined for a range of attachments with the tabulated results on the following pages. As per the code, Tipping Load was determined with:

- The load acting through the centre of bucket volume or in the centre of the fork tynes
- The boom in the least stable position
- Fluids at recommended levels
- A full fuel tank
- Air-filled tyres

Note
The water filled tyres is the usual configuration in Australia, however air filled was used as a conservative measure. Optional counterweight mass is not included unless stated.

Rated Operating Capacity (ROC):

ISO 14397- 1:2007(E) states that the Rated Operating Capacity (ROC) is the Tipping Load multiplied by stability factors for normal operation. For skid steers, these factors are 0.50 for wheeled machines and 0.35 for tracked / crawler machines. On certain loaders, Kanga uses what is called an Over Tyre Track (OTT) system. This system is intended to improve traction and float in soft wet conditions, while maintaining the hard / uneven ground stability attributes of a wheel loader. In terms of stability, Kanga find the OTT system to be comparable to a wheel loader though have reduced the factor to 0.45 as an added precaution.

Only Kanga designed and approved attachments are to be used in conjunction with your Kanga Loader. Operator to ensure the attachment is suitable for use with the loader model type and will not cause tipping. Contact Kanga for specific attachment details.

8 SERIES RADIO CONTROLLED - TR825 (Without Counter Weights)

BUCKETS								
Material load for buckets:	**No bucket ***		**62kg Kanga GP Bucket**		**84kg Kanga HD GP bucket**		**157kg Kanga HD 4in1 bucket**	
Tipping load	603kg	1329lb	541kg	1190lb	519kg	1141lb	446kg	981lb
Rated Operating Capacity (ROC)	270kg	595lb	243kg	535lb	233kg	514lb	201kg	441lb

FORKS						
Material load for forks:**	**500mm Kanga fork tynes**		**750mm Kanga fork tynes**		**900mm Kanga fork tynes**	
Tipping load	432kg	949lb	391kg	860lb	370kg	814lb
Rated Operating Capacity (ROC)	194kg	427lb	176kg	387lb	167kg	366lb

***** *This is to represent the general loader capabilities. Cannot be used for material load without adjusting for the bucket mass.*

****** *Tipping Load and ROC are based on stability only. Refer to the fork tyne specifications / manuals for individual arm load capacities.*

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8 SERIES RADIO CONTROLLED - TR825 (With Counter Weights)

BUCKETS								
Material load for buckets:	**No bucket ***		**62kg Kanga GP Bucket**		**84kg Kanga HD GP bucket**		**157kg Kanga HD 4in1 bucket**	
Tipping load	848kg	1865lb	786kg	1728lb	764kg	1680lb	691kg	1519lb
Rated Operating Capacity (ROC)	381kg	839lb	353kg	778lb	344kg	756lb	311kg	684lb

FORKS						
Material load for forks:**	**500mm Kanga fork tynes**		**750mm Kanga fork tynes**		**900mm Kanga fork tynes**	
Tipping load	630kg	1385lb	571kg	1255lb	540kg	1188lb
Rated Operating Capacity (ROC)	283kg	623lb	257kg	565lb	243kg	535lb

8 SERIES RADIO CONTROLLED - WR825 (Without Counter Weights)

BUCKETS								
Material load for buckets:	**No bucket ***		**62kg Kanga GP Bucket**		**84kg Kanga HD GP bucket**		**157kg Kanga HD 4in1 bucket**	
Tipping load	564kg	1240lb	502kg	1104lb	480kg	1056lb	407kg	895lb
Rated Operating Capacity (ROC)	282kg	620lb	251kg	552lb	240kg	528lb	203kg	448lb

FORKS						
Material load for forks:**	**500mm Kanga fork tynes**		**750mm Kanga fork tynes**		**900mm Kanga fork tynes**	
Tipping load	432kg	949lb	362kg	797lb	370kg	814lb
Rated Operating Capacity (ROC)	216kg	475lb	181kg	399lb	185kg	407lb

8 SERIES RADIO CONTROLLED - WR825 (With Counter Weights)

BUCKETS								
Material load for buckets:	**No bucket ***		**62kg Kanga GP Bucket**		**84kg Kanga HD GP bucket**		**157kg Kanga HD 4in1 bucket**	
Tipping load	807kg	1776lb	745kg	1639lb	723kg	1591lb	650kg	1430lb
Rated Operating Capacity (ROC)	404kg	888lb	373kg	820lb	362kg	795lb	325kg	715lb

FORKS						
Material load for forks:**	**500mm Kanga fork tynes**		**750mm Kanga fork tynes**		**900mm Kanga fork tynes**	
Tipping load	630kg	1385lb	541kg	1190lb	540kg	1188lb
Rated Operating Capacity (ROC)	315kg	693lb	270kg	595lb	270kg	594lb

***** *This is to represent the general loader capabilities. Cannot be used for material load without adjusting for the bucket mass.*

****** *Tipping Load and ROC are based on stability only. Refer to the fork tyne specifications / manuals for individual arm load capacities.*

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