



Dashboard	⚙️	Masses Summary	Front (1 - 2)	Pusher (3)	Rear (4 - 5)	Rear (3 - 5)	Total
Manufacturer's Limits	✓	Chassis Mass	5,381 kg	1,452 kg	2,904 kg	4,356 kg	9,737 kg
Regulatory Compliance	✓	Fuel & Crew	238 kg	17 kg	34 kg	51 kg	290 kg
Organisation Standards	✓	Hooklift Container 15m3 Standa...	238 kg	654 kg	1,308 kg	1,962 kg	2,200 kg
Gross Mass on Vehicle Front (%)	28.3 %	MEC SCK267N -1430mm Hook Heigh...	740 kg	0 kg	0 kg	2,270 kg	3,010 kg
Gross Mass on Vehicle Rear (%)	71.7 %	Additional Equipment	396 kg	33 kg	66 kg	99 kg	495 kg
		Total Unladen	6,994 kg	2,913 kg	5,825 kg	8,738 kg	15,732 kg
		Payload	1,283 kg	4,087 kg	8,175 kg	12,262 kg	13,545 kg
		Gross	8,277 kg	7,000 kg	14,000 kg	21,000 kg	29,277 kg
		Permissible	11,000 kg	9,000 kg	16,500 kg	21,000 kg	32,000 kg
		Unused Capacity	2,723 kg	2,000 kg	2,500 kg	0 kg	2,723 kg
		Utilisation	75.2%	77.8%	84.8%	100.0%	91.5%

* Refer to subsequent pages for notes and warnings

Prepared By: Kirk Grundy

Phone: 0410757949

Prepared For:

Phone:

Date Created: 4 Nov 2025

Signature:

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Date:

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Significant Dimensions

Theoretical Wheelbase	4,803 mm
Track Width - Front	2,062 mm
Track Width - Rear	1,851 mm

Centre of Gravity & Mass Distribution - Vehicle

Description	Horizontal COG *	Vertical COG *	Lateral COG *	Front	Rear	Total
UD Quon CG 30 360 PAA	2,148 mm	930 mm	0 mm	5,381 kg	4,355 kg	9,736 kg
Fuel Tank 1	3,300 mm	650 mm	-830 mm	80 kg	80 kg	160 kg
Crew 1st Row	-150 mm	1,830 mm	0 mm	158 kg	-28 kg	130 kg
Hooklift Container 15m3 Standard	4,283 mm	1,617 mm	0 mm	238 kg	1,962 kg	2,200 kg
BATTERY - OIL SETUP	48 mm	1,660 mm	0 mm	396 kg	4 kg	400 kg
Hook Frame Extension 175mm	188 mm	1,115 mm	0 mm	29 kg	1 kg	30 kg
WASTECORP - BUMPER	6,900 mm	647 mm	0 mm	-28 kg	93 kg	65 kg
MEC SCK267N -1430mm Hook Height	3,623 mm	1,948 mm	0 mm	740 kg	2,270 kg	3,010 kg
Payload	4,348 mm	1,908 mm	0 mm	1,283 kg	12,262 kg	13,545 kg
Total	3,445 mm	1,551 mm	-5 mm	8,277 kg	21,000 kg	29,277 kg

* Horizontal COG is measured from Theoretical Wheelbase start; Vertical COG is measured from the ground; Lateral COG from the centre

Notes & Warnings

Notes

Manufacturer's Limits

- The compliance indicators for Manufacturer's Limits refer to Gross Axle and Gross Vehicle Mass ratings only.

Regulations Applied

- AU: National (With modifications)
 - Heavy Vehicle (Mass, Dimension and Loading) National Regulation. Last reviewed by TruckScience: February 2021.

General

- Left / Right mass distribution has not been calculated
- Included in Fuel & Crew: 190 l Fuel, 1 Crew at 130 kg per person
- Excluded from this calculation: Tools, 5th Wheel
- Not Specified: Spare Wheel
- Safety Features: ECE R29 Cabin Strength, Front Underrun Protection
- The following values have not been provided by the vehicle manufacturer: Turning Ability
- Overall centre of gravity includes truck, crew, fuel, equipment & payload
- Application = On Road
- Model Code: CG30360PAA
- Vehicle Spec Date: 2020/01
- Measurement System = Metric
- Body & Equipment added: Hooklift Container 15m3 Standard, BATTERY - OIL SETUP, Hook Frame Extension 175mm, WASTECORP - BUMPER, MEC SCK267N -1430mm Hook Height
- External Body Width = 2,490 mm
- Vehicle wheelbase has been extended by 1,151 mm
- Engineering approval is required for this wheelbase
- Vehicle rear overhang has been reduced by 355 mm
- Theoretical Wheelbase has been edited
- The cab gap is less than the recommended of 0 mm
- A minimum cab gap has not been provided. Please confirm this dimension with the vehicle manufacturer.
- Chassis Mass has been edited
- The vehicle's Gross Vehicle Mass rating (GVM) has been edited
- The Bridge limit for the vehicle's rear axles has been edited

Warnings

Prepared By: Kirk Grundy

Phone: 0410757949

Prepared For:

Phone:

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Notes

- The Regulation Mass limit for the vehicle total has been edited
- The Vertical Centre of Gravity for vehicle has been estimated
- The Regulation Turning Circle is used to ensure that the vehicle or combination is able to turn within a swept circle having a maximum kerb to kerb radius of 12,500 mm and a minimum inner radius of 0 mm
- The Smallest Turning Circle is used to determine the smallest U-turn that the vehicle is capable of making
- The vehicle's Static Rollover Angle (SRA) is 30.71°, giving a Static Rollover Threshold (SRT) of 0.594 g, assuming a stiff suspension and no tyre flex.

Warnings**Additional Notes**

Dimensions and weights may vary from model to model. Results displayed are representative only and should only be used as a guide. Wastecorp takes no responsibility for the actual dimensions and weights of the vehicle.

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