



# PremiAir Hire

Air • Power • Traffic • Service



## TL-3 15 Tonne Truck Mounted Attenuator (TMA)

 PremiAir Hire

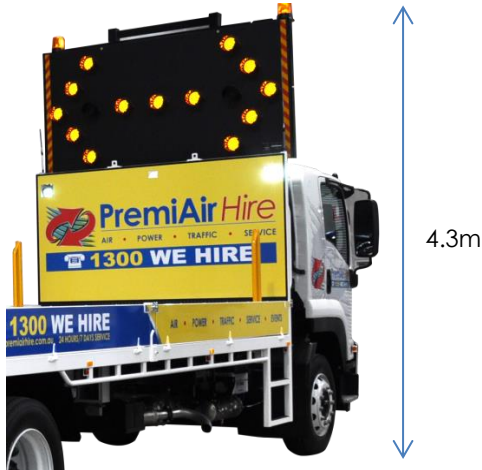
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# PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)

## BASIC SPECIFICATIONS

Compliance:	Meets and exceeds all mandatory Government requirements
Attenuator Size (LxW):	3960mm x 2360mm
Attenuator Weight:	906kg





## PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)

### Why Choose A PremiAir Hire TMA?

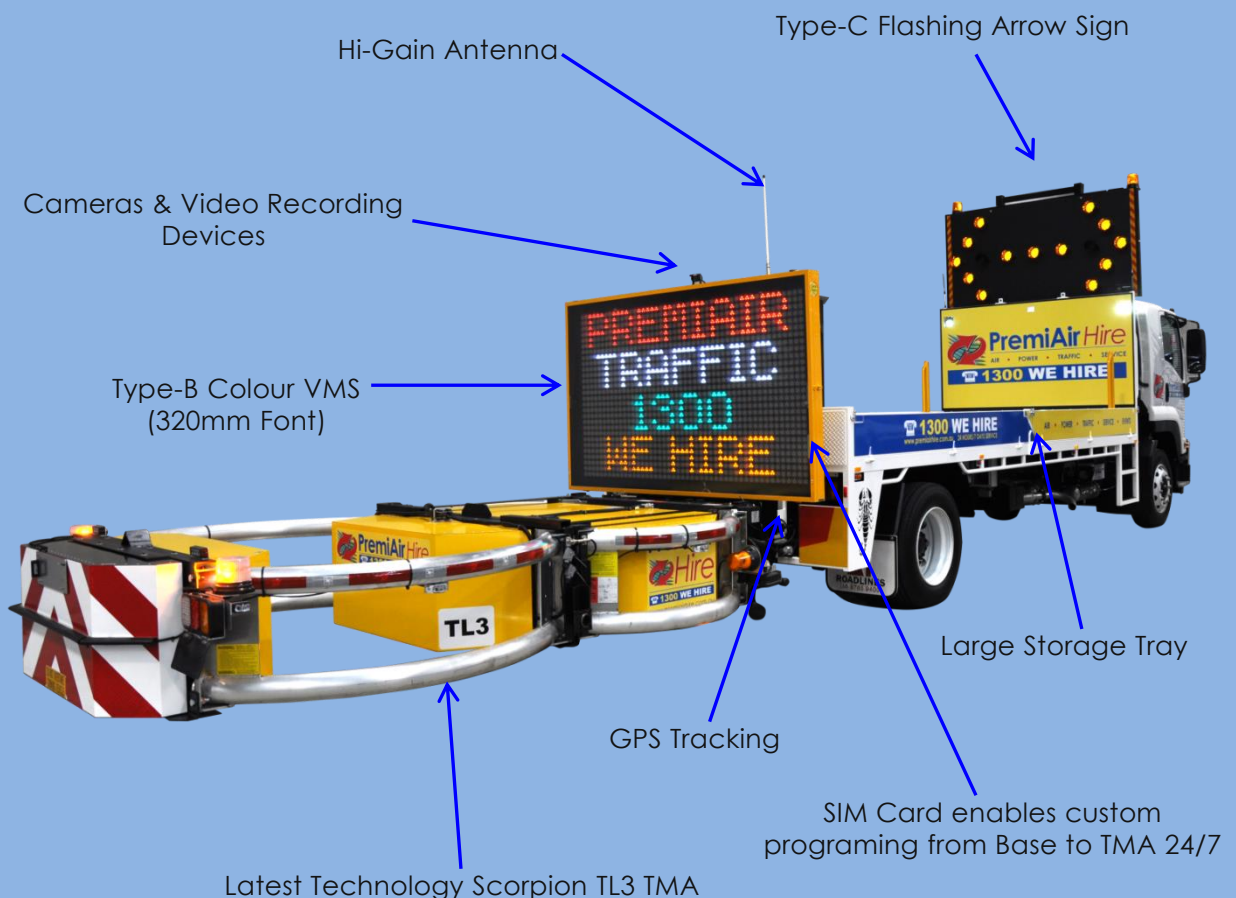
PremiAir Hire's Truck Mounted Attenuators are manufactured to meet or exceed the highest specifications & standards in Australia.

This enables our TMA's to be used in all States & Territories nationwide.

Our TMA's come complete with an Type-C Arrow Board, Type-B Colour VMS, Cameras, video Recorder and the latest in honeycomb tube frame technology and Crash Impact Braking, making them the safest TMA's on the market today.

Additionally, our TMA control panel is mounted in front of the driver rather than to the side which enables much easier handling & a safer field of view.

**PremiAir** Hire also provides customer training where necessary.







# PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)



PremiAir Hire's Truck Mounted Attenuators are fitted with overhead TMA controls for easier & safer operation



Console fitted VMS Board interface provides a much more user friendly and neater TMA cabin





## PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)



Easy to use Arrow Board Controller positioned for quick & effective activation



Multi-view, split screen video monitor enables operator to safely stay in cabin with the ability to monitor surroundings at all times







## PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)



Four Point Safety Harness tested and approved by Harness Transport Certification Services in accordance with ADR 5/05.



Full Colour Type-B Variable Message Board (320mm Font)





# PremiAir Hire 15 Tonne TL-3 Truck Mounted Attenuator (TMA)

## Roll-Ahead Distance For Barrier Vehicles (Stationary TMA)

- The following table shows the roll-ahead distance expected for a stationary barrier vehicle and how this is influenced by the gross weight of the TMA and the weight of an impacting vehicle.

Weight of Stationary Barrier Vehicle	Prevailing Speed (Km/h)	Weight of Impacting Vehicle to be Contained				
		2,040 KG	4,536 KG	6,804 KG	10,886 KG	
6,804 KG	96 - 105	8m	23m	30m	46m	Recommended Roll-Ahead Distance to Be Used
	80 - 88	8m	15m	23m	30m	
	72	8m	8m	15m	23m	
10,886 KG	96 - 105	8m	15m	23m	30m	Recommended Roll-Ahead Distance to Be Used
	80 - 88	8m	8m	15m	23m	
	72	6m	8m	8m	15m	

(This is a copy of documentation from "Use of Truck Mounted Attenuators in Work Zones by Jack B.Humphreys and T. Darcy Sullivan, University of Tennessee.)

## Roll-Ahead Distance For Shadow Vehicles (Moving TMA)

- The following table shows the roll-ahead distance expected for a shadow vehicle (Moving TMA) and how this is influenced by the gross weight of the TMA and the weight of an impacting vehicle.

Weight of Shadow Vehicle	Prevailing Speed (Km/h)	Weight of Impacting Vehicle to be Contained				
		2,040 KG	4,536 KG	6,804 KG	10,886 KG	
6,804 KG	96 - 105	23m	46m	53m	69m	Recommended Roll-Ahead Distance to Be Used
	80 - 88	23m	38m	46m	53m	
	72	15m	30m	30m	30m	
10,886 KG	96 - 105	23m	30m	46m	53m	Recommended Roll-Ahead Distance to Be Used
	80 - 88	15m	23m	30m	46m	
	72	15m	23m	23m	30m	

(This is a copy of documentation from "Use of Truck Mounted Attenuators in Work Zones by Jack B.Humphreys and T. Darcy Sullivan, University of Tennessee.)

For example: Shadow Vehicle with a weight of 10,886 KG at 80 km/h the minimum Roll-Ahead distance shall be 46 m with a preference of 53 m

### Summary

- The heavier the TMA vehicle the lower the roll-ahead distance.
- The lighter the TMA vehicle the higher the roll-ahead distance.
- The lighter the impacting vehicle the lower the roll-ahead distance.
- The heavier the impacting vehicle the greater the expected roll-ahead distance.
- Higher traffic speed will increase impact energy and the roll-ahead distance of barrier vehicle.
- Moving TMA's as a shadow vehicle will result in a greater roll-ahead distance and this needs to be taken into account by the TMA Operator in respect to the positioning and clearance between the TMA and the works area they are protecting.



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*"Our Commitment is your insurance"*



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