

# Introduction to Caravans & 5th Wheels

Select Caravans Limited

Exclusive Importers of

***ALPHA WOLF***

***ARCTIC WOLF***

By Forest River

# Select Caravans Setup & Advice

Select Caravans RV's are built for holidaying and short stays. If you intend to live permanently in one of our RV's expect to observe higher than usual wear and tear and the need for more than usual maintenance. Please note your warranty may be limited if your live permanently in one of our RV's. Please refer to <https://selectcaravans.co.nz/pages/warranty>

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# 1. Electrical & Certification

All Select Caravans' caravans and 5th Wheels are handed over with all necessary certification, which is either displayed on your vehicle or included in your Caravan Manual.

1. All our Caravans and 5th Wheels are re-fitted to comply with New Zealand Gas and Electrical Standards right here in New Zealand by qualified New Zealand Tradesman.
2. All our Caravans are separately and Independently Certified by Independent authorities ensuring that your new Caravan meets all New Zealand Regulations.
3. All major Appliances are sourced from New Zealand suppliers with warranties backed by New Zealand Companies.

Major Electrical Items		
Item	Make	Model / Details
Fridge	Vantage RV VRV250	12V only
Oven	Dometic	CU401 - 4 burners Cooktop, Grill, Oven (all gas)
Microwave	Sphere	240V AC, 25 Litres, 900W
Battery	Remco C10	200 Amp hour AGM
Battery charger	Power Train	12V 20 Amp
Hot Water Cylinder	Suburban	LPG & Electric powered
Heater	Suburban	LPG powered, ducted air
Electric awning		
Electric slideout	Forest River	Electric
Water pump	Pentair	Shurflow 4008

**Notes:**

1. All manuals and warranty information are supplied in your Caravan Manual on delivery.
2. Select Caravans and Forest River reserve the right to substitute any appliance for an equivalent model without notice.

## 2. Power - 230V & 12V Circuits

### 2.1 SELECT CARAVANS' POWER SETUP

All Select Caravans RV's are fully and professionally converted to New Zealand's 230/240V system according to the latest AS/NZS 3001 regulations, by independent qualified New Zealand tradesmen. Then separately and independently certified for an Electrical Warrant of Fitness.

#### Supplied by Select Caravans with your RV

- Fully certified with a New Zealand **Electrical Warrant of Fitness**
- 200 amp hour AGM battery
- Battery charger - built in 12V 20 Amp
- Mains power cord - 10 metre, 15 amp
- Multiple 230/240V double power points
- Multiple USB charging stations

### 2.2 INTRODUCTION TO RV POWER

Caravans and 5th Wheels generally have two power circuits - 12 volt for most lights and some 12V appliances, and 230/240V circuits for your power points like those at home.

#### 2.2.1 12V POWER CIRCUIT:

All Select Caravans RV's have a 200 amp hour (minimum) AGM battery. Most systems in your RV will run off your battery, and continue to do so even when you connect to mains power or a generator. The installed battery charger will recharge your battery, when connected to either mains power, a generator or a solar system.

#### 2.2.2 230/240V POWER CIRCUIT:

All Select Caravans' RV's accept incoming power through a 16 amp extension cord (supplied). The 230/240V power system in your RV is **only active** when connected via this cord to mains power or a generator. All Select Caravans RV's have multiple 230/240V double power points in each room.

#### Connecting your RV to mains Power

##### • Caravan or Holiday Park (15 Amp System)

Connect to mains power via the external socket on the RV. The 15 amp extension cord is specifically designed to connect to a 15 amp supply system that most caravan parks use. The 15 amp extension cord allows 1.5 times the current that a standard household 10 amp cord can handle. Heavy duty 10 amp cords are not the same and cannot be used to bring power to your RV.

##### • Connecting To A 10 Amp Household Power Point:

There are a couple of products that allow you to connect your RV to a normal 10 amp power point (like in your house/garage). They are fitted with a circuit breaker to prevent more than 10 amps being carried through from the supply power point.

*Select Caravans recommend either:*

- AMPFIBIAN (IP44 weather rated)
- ELECTREX

## 3. Power Accessories To Consider

For many being connected to mains power is not always an option. But you still need to keep your food and drinks cold and the lights on when 'off grid'. For some we can't leave home without our smartphones, tablets, laptops, TV, air-conditioner and maybe even a coffee machine too! But with all these creature comforts, we need a reliable power solution to keep everything running when we need it. There are many options to solve this problem and in this section we discuss additive and alternative options to power your RV, including:

1. Solar Panels
2. Generators
3. Power Inverters
4. Batteries
  - 4.1. Lithium Batteries
  - 4.2. AGM Batteries

The most popular way to top up your batteries, when you can't plug in to mains, is either by using **Solar Panels** or a **Generator**. So let's take a look at each system on the following pages. *(some content by <https://www.mygenerator.com.au/>)*

... continue reading on next page

# 3. Power Accessories To Consider *...continued*

## 3.1 SOLAR SYSTEM

A good solar system, combined with energy efficient appliances, can allow you the total freedom and take advantage of off grid living, and keep your battery topped up when not connected to mains power or a generator. Select Caravans works exclusively with Vantage RV Limited who are experts in RV solar systems. Furthermore, our RV's are fitted with energy efficient Solar Fridges from Vantage RV.

**A key point to note is that a solar system is designed to charge your battery and will not power your 230/240V power points or installed 230/240V appliances like the microwave or air conditioner (if fitted).**

### 3.1.1 Types of Solar Panels

Solar panel type	Advantages	Disadvantages
Monocrystalline	<ul style="list-style-type: none"> <li>High efficiency/ performance</li> <li>Aesthetics</li> </ul>	<ul style="list-style-type: none"> <li>Higher costs</li> </ul>
Polycrystalline	<ul style="list-style-type: none"> <li>Low cost</li> </ul>	<ul style="list-style-type: none"> <li>Lower efficiency/performance</li> </ul>
Thin-film (amorphous silicon)	<ul style="list-style-type: none"> <li>Portable and flexible</li> <li>Lightweight</li> <li>Aesthetics</li> </ul>	<ul style="list-style-type: none"> <li>Lowest efficiency/performance</li> </ul>

Solar Panels can be either fixed to the roof of your RV or used as portable/fold away units.. Roof units are generally set and forget, and with most of your roof to utilize can accommodate many panels allowing you to have ample solar generation:

- **Fixed panels** on your RV roof - these can be either:
  - **Solid Panels** - fixed on support brackets to the roof
  - **Flexible panels** - glued to the roof itself (or on a membrane fixed to the roof)

*Select Caravans recommend a minimum of 500W - which is generally enough to power for your Select Caravans' RV as delivered. Contact us for a quote.*

- **Portable panels** you can place anywhere around your RV. These are foldable panels that plug into your RV with the pre-wired solar plug, and when not needed or travelling fold away and store in your RV or in your tow vehicle. A great option to boost your current set up or to provide a trickle feed

*Select Caravans offer 160W portable panels, complete with MPPT Solar Controller, alligator clips and 5m extension cable. Contact us for pricing.*

## 3. Power Accessories To Consider *...continued*

### 3.1.2 Benefits Of Solar

- **Clean power** - This is easily the most important benefit of solar panels. There's no noise, no fumes and they're environmentally friendly.
- **Free power** - Solar panels are free to run. With solar, there's no need to buy fuel to keep the panels running. The sun's energy is completely free. So, once you've bought the gear, you don't need to pay a cent.

### 3.1.3 Drawbacks Of Solar

- **Takes a lot longer to charge up** - One of the biggest drawbacks of solar is that it takes a lot longer to charge up your batteries than a generator. So, if you're running appliances with high energy consumption all the time, such as heating and air-conditioning, solar isn't always enough. The energy produced by a solar system is limited by the number and size of panels you can fit on your roof (or near your van).
- **Bad weather = no power** - If there is a run of bad weather and no sun, you will not be able to charge up your batteries. No charge = no power. And the last thing you want is to run out of power early in your trip and find yourself in the middle of nowhere without any power.
- **Initial set-up costs** - The initial outlay for solar panels can be more than generators. That's because solar panels only supply charge to a battery, where a generator can supply power directly to your appliances. For solar, you need a regulator to safely regulate the charge to your batteries. For portable solar, you may also need a longer cable so you can park in shade and still soak up the sun's rays. These things cost money – but once you have it all set up, the power is free.

## 3. Power Accessories To Consider *...continued*

### 3.2 GENERATORS

If you're planning a trip that involves freedom camping, then chances are you'll need some power to run your non 12V appliances. Many RV owners will pack a portable generator as an option to charge their batteries, or to run those appliances that generally require a bit more power such as air-conditioning, washing machines, microwaves, kettles, hair dryers and the like.

#### 3.2.1 Benefits Of Generators

- **Fast charging** - If you want to charge your battery quickly, the best way is to run a 240-volt battery charger off the generator's AC output. This will recharge the battery much faster than solar, while regulating the charge.
- **Run appliances directly** - A generator can run appliances directly without needing to charge the battery first. In fact, they are better than solar when you're using them with power-hungry devices, like your air con and coffee machine.
- **Not dependent on the weather** - Probably the biggest advantage of generators vs solar is that they are not dependent on good weather. A generator provides reliable power, so long as you remember to keep it fuelled up.

#### 3.2.2 Drawbacks Of Generators

- **Fuel - Fact:** Generators consume fuel. This means you not only have the continuous running cost of a generator, but you also have to make sure you're carrying enough fuel.
- **Emissions, noise and restrictions** - Unlike solar panels, generators can be noisy. How noisy depends on the model. There are definitely quieter generators on the market, but you can't get away from the fact that they still make noise. Because of this lots of national parks and public places don't allow the use of generators, or put strict time restrictions on when they can be run..
- **Heavy and bulky** - Generators are heavier than solar panels, with generators weighing anywhere between 13 – 30kg – before you add fuel. They are also bulkier, taking up more room in your caravan. That said, there are more and more lightweight, compact units coming onto the market especially designed for campers.

#### Select Caravans Verdict - Solar vs Generator

There is a way to benefit from clean solar power and reliable generator power – combine them. Use solar panels to top up your battery whenever the weather is good. Then, use a back-up generator when the weather is bad or you need to run power-hungry appliances, like air-con.

Combining the two options will reduce your generator's run time and ensure you still have reliable power when you need it.

# 3. Power Accessories To Consider *...continued*

## 3.3 POWER INVERTER

Power inverters convert DC voltage (from the onboard RV 12V battery) to AC Voltage, the same power type as your sockets at home provide.

Power inverters are available in two main types:

- Pure Sine Wave inverters
- Modified Sine Wave inverters.

**3.3.1 Pure Sine inverters** - Also known as True Sine Inverters. Are a better choice for sensitive electronic devices - computer chipped/powered. Pure Sine Wave inverters are the highest quality of the inverters. They cost a lot more and are less efficient, but, they provide the same power as a traditional AC socket that you find in your home, which is a lot smoother hence ideal for precious electronics.

**3.3.2 Modified Sine Wave inverters** - more commonly used for Electrics (not advised for electronic devices but can be used if inverter is double the rating of the electronic device =watts). A Modified Sine Wave inverter is the most efficient and cost effective inverter option, ideal for running general appliances, or if you simply want the cheapest option.

**Power inverters can be a significant drain on your 12V battery and as such we strongly recommend that you consider upgrading your battery capacity or to Lithium batteries that handle the drain better than the existing AGM batteries.**

### 3.3.3 What Size Inverter Do I Need?

We also strongly recommend you buy an inverter that is bigger than you think you need. This is because you can always run something else at the same time. The size you select is governed by the maximum amount of power you need at **any one time**. The most important thing to do is to assess what you are likely to power from the inverter and total the amount of watts they require.

Say, for example, you wish to power a television, microwave and phone charger all at the same time. Let's have a look at how you would select the inverter size.

Appliance	Power Consumption (W)	Hours used	Total Watts	Amps
TV (LED)	35W	4	140W	14
Microwave	900W	0.5	450W	45
Phone charger	10W	2	20W	2
<b>Total Needed</b>	<b>945W</b>	-	<b>610W</b>	<b>61</b>

The absolute minimum needed is 945W. You could get a 1000W inverter, but we would strongly recommend getting a 1500W unit or bigger, as there will always be times when you wished you'd have bought a bigger unit as you may also want to use a 300W kitchen wizz at the same time!

## 3. Power Accessories To Consider *...continued*

### 3.3.3 What Size Inverter Do I Need? *... continued*

To find the power needed to run a particular appliance, simply refer to the specification plate on the appliance itself. It should say e.g. 500W. That is the figure you use. If it only has the amperage, say, 2 Amps, then multiply that figure by the voltage of 240 as follows **Watts = Amps x Volts** = 2 Amps x 240 Volts = 480 Watts (call it 500W)

**Note** that some products have a start up or surge power required. Often they are products with motors. For example, it may need 500W to run the product but need 700W to start it initially. In that case, the 700W is the figure to count.

### 3.3.4 How long can I run the inverter on my battery?

Batteries are specified normally in amp-hours (Select Caravans supply a minimum of 200 amp hour batteries). Hypothetically, you can estimate the battery life as follows. Lets use our previous example of 945W of products per day.

Number of Watts needed = 945W per day

Appliance	Power Consumption (W)	Hours used	Total Watts	Amps
TV (LED)	35W	4	140W	14
Microwave	900W	0.5	450W	45
Phone charger	10W	2	20W	2
<b>Total Needed</b>	<b>945W</b>	-	<b>610W</b>	<b>61</b>

Amp-hours consumed = Watts/10 (Rule of thumb in NZ/AU voltage)  
 = 610/10  
 = 61 amp-hours

In this example you would consume 61 amp hours from your battery to run the products listed. This means you would use ~30% of your Select Caravans supplied battery or what's called 30% Depth of Discharge (DOD).

Depth of Discharges (DOD) for AGM batteries, like the ones supplied by Select Caravans, should not exceed 50% to maintain the maximum number of cycles . That means our 200 Amp-hour battery should safely provide 100 amp hours on a daily cycle.

## 3. Power Accessories To Consider *...continued*

### 3.4 BATTERIES

All Select Caravans RV's are supplied with a minimum:

- **200 Amp hour AGM Deep Cycle battery**

The battery weight is around 62kg and mounted on the drawbar under a PVG cover.

#### 3.4.1 AGM Batteries

AGM batteries are made to handle high power consumption and repeated Cyclic Discharge and Recharge from high drain equipment. Featuring AGM (Absorbed Glass Mat) technology and a Fully Sealed Maintenance-Free design for trouble free operation. The Absorbed Glass Matt construction allows the electrolyte to be suspended in close proximity with the plates active material. In theory, this enhances both the discharge and recharge efficiency.

Our **200 amp hour Remco** or **Predator AGM batteries** are good deep cycle batteries and they deliver their best life performance if recharged before allowed to drop below 50% discharge.

#### 3.4.2 Lithium Batteries

Lithium Iron Phosphate Batteries are lightweight - with a 100 amp hour battery weighing approx 12.8 Kg (2x 100 amp hour = 25.6kg). Compare this to the existing 200 Amp hour AGM at 62kg.

Lithium will give you twice as much usable energy (as they have a much higher Depth of Discharge or DOD) compared to lead acid and weighs less than half as much.

The advantages of Lithium batteries is well documented - they are much more efficient and faster at absorbing energy during the charge cycle, actually about 10 times faster. Meaning that you can harvest solar energy between cloudy periods much quicker with a solar system, this is important, because the energy input from the solar controller varies hugely between overcast periods and sunny periods, in other words make hay quickly while the sun shines.

#### 3.4.3 Larger AGM Batteries

If you can't afford Lithium batteries then perhaps you may want to consider another AGM battery (50/100/200 amp hours) to supplement your energy needs. Of course you should consider all the alternatives and your actual intended usage.

## 4. Gas Setup

### **SELECT CARAVANS GAS (LPG) SETUP**

All Select Caravans' caravans and 5th Wheels are handed over with all necessary certification, which is either displayed on your vehicle or included in your Caravan Manual.

1. All our Caravans and 5th Wheels are re-fitted to comply with New Zealand Gas and Electrical Standards right here in New Zealand by qualified New Zealand Tradesman.
2. All our Caravans are separately and Independently Certified by Independent authorities ensuring that your new Caravan meets all New Zealand Regulations.

All major Appliances are sourced from New Zealand suppliers with warranties backed by New Zealand Companies.

### **LPG Tanks**

We supply a minimum of 2 9kg LPG tanks with every caravan. We even fill them for you prior to delivery!

### **Gas Appliances/fittings**

All Select Caravans are fitted with gas:

- Hobs, grill, and oven
- 22 litre Hot water cylinder
- 3.1kW ducted air heating
- Outside 2 burner grill
- Quick connect LPG pots for connecting external gas appliances

## 5. Tank System - Fresh, Black, Grey Water & Self Containment

All our Caravans and 5th Wheels are Independently Certified as Self Contained by Independent authorities ensuring that your new Caravan meets New Zealand self containment requirements.

All our Caravans and 5th Wheels use a tank system for:

- Fresh water - fresh water tank if not connected to “City” water connection
- Grey water - vanity, shower and kitchen sink waste water
- Black water - toilet waste only

These tanks vary in size but are generally very large and ample for the guests onboard. Please check the specification on each model for specific capacities.

### 5.1 Fresh Water Tank

The fresh water tank is utilized for all onboard water use and depending on the source is suitable for drinking. You can bypass the Fresh Water tank system by connecting to “City” water via the utility port on the side of the caravan.

#### Select Caravans supply:

- A fitted **water pressure regulator** to ensure the mains water supply does not overwhelm the RV water system by limiting to inbound mains pressure to 50 psi.
- An **NZ to US hose adaptor** to allow connection to the ‘City’ water connection with a regular NZ garden hose connection.

Options to supplement the existing setup are:

- Water filter, and or purification tablets if desired
- Specific ‘elbow’ connection to reduce strain on ‘City’ water caravan fitting

### 5.2 Grey & Black Water Tanks

These tanks empty via the 3” sewer pipe located near the utility panel on the left side of you RV. There are separate levers/gates for each of the grey and blank tanks.

#### Select Caravans supply:

- A **flexible 3m Sewer Pipe** with connector to discharge the waste to appropriate disposal systems.

Options to supplement the existing setup are:

- Toilet chemicals
- Appropriate RV toilet paper/tissues
- Disposable gloves for sewer work
- Portable water tote or sewer tote for additional capacity if RVing remotely or where no sewer/water facilities are available.
- RV Sewer Hose Support

## 6. Towing & Tow Vehicle

Select Caravans and 5th Wheels are ultra lightweight for their size - but are still very large. Please take care on the road and remember the maximum speed limit of **90 km/hr** on open roads/motorways.

### 6.1 Tow Vehicle

You will require a tow vehicle with a minimum tow capacity of 3500kg. Refer to the Appendix or <https://www.aa.co.nz/cars/owning-a-car/towing/towing-weights/> for vehicles with an appropriate 3500 kg capacity.

### 6.2 Electric Brakes

All our caravans are fitted with electric brakes on all 4 wheels (both axles). However you will need to fit an appropriate electric brake controller. There are many brands on the market, and your auto electrician can best advise you for your vehicle.

If you are interested Select Caravans uses a **Ford Ranger** fitted with a **REDARC Tow-Pro Elite V3** Electric Trailer Brake Controller.

### 6.3 Tow Hitch and Ball

Select Caravans caravans and 5th Wheels are made in the USA and as such have US specification for the tow hitch. These are 100% legal in NZ but do require a larger tow ball - Not the 50mm NZ standard.

#### Select Caravans Supplies:

- CURT 40007 Chrome Trailer Hitch Ball
  - Rated to: 4,500 kg, (10,000 lb)
  - Tow Ball Diameter: 2 5/16", Shank: 1" x 2 1/4"

Options to supplement the existing setup are:

- Tow mirrors
- Tow Vehicle airbags on rear axle - to adjust the hitch height on tow vehicle
- Custom made removable tow hitch - to adjust the caravan drawbar height - contact us for details

## 7. Parking & Leveling

For the best possible opportunity for a good night's sleep and an enjoyable RV experience its critical you have a secure, stable and level caravan or 5th Wheel.

### 7.1 Parking

All Select Caravans and 5th Wheels are fitted with a mandatory (under NZ law) handbrake. However it is highly recommended that you supplement the hand brake with wheel chocks especially if you are parked on non level ground.

#### Recommended:

- Chocks or X-Chocks or both - to stop wheels rolling
- Leveling Chocks - to lift one side of the caravan so axles are level ( do not use stabilisers)
- A builders level

### 7.2 Caravans

All Select Caravans' caravans are fitted with Stabilisers/ scissor jacks. These are best operated with a cordless power drill with appropriate fitting. All caravans are also fitted with an electric tongue jack.

You can also manually operate the tongue jack and stabilisers with the supplied tools (located in the pass through).

#### Important

1. **Stabilisers/ scissor jacks are designed to stabilise the RV only**
2. **They are not designed to lift the chassis off the wheels or to level the caravan.**
3. **Use the tongue jack and leveling chocks to level the RV.**

### 7.3 5th Wheels

All Select Caravans' 5th Wheels are fitted with an Automatic Leveling System with 8,000 kg capacity and Hitch Memory.

## 8. TV & Satellite

The RV lifestyle is perfect for getting outdoors, smelling the fresh clean air and really connecting with nature. This said, after a long day spent outdoors and taking in the magnificence of New Zealand landscapes, many of us enjoy a return to the world of technology. Let's face it, watching our favorite program on TV is a great way to relax and unwind!

Select Caravans all have multiple TV mounts, inside and out, accompanied by cable & satellite connections. Although the cable connection was designed for American Cable systems which can be found in most RV parks in the US - the satellite cables are simply pre wired to connect to an optional satellite dish we can install for you.

### 8.1 TV's

RV environments are a harsh place for televisions. There can be voltage fluctuations, extreme temperatures, bright ambient light and of course vibrations from constant travel. However, if you don't intend to travel around and are hooked up to mains power a regular TV will work just fine. There are also many reports that regular TV's also work and last just as long as RV TV's even when on the road constantly.

#### 8.1.1 12V RV TV's

12V RV TV's only run off 12V power and are generally limited in size to a maximum of 32" (81cm) and include brands like Majestic, Evoke, RV Media & RSE. Conveniently packed with added features like built-in DVD players, both Terrestrial (DVB-T) AND Satellite (DVB-S2) Freeview receivers, SKY card slots and video recorders means you don't need extra gadgets connected to your TV. This reduces clutter, additional remote controls and a web of power supply cables. Lightweight and with a much low power consumption than household televisions, these RV TV's will integrate perfectly into your vehicle for a crystal clear viewing experience.

#### 8.1.2 Regular TV's

If you choose to get a regular TV - you are only limited by the size constraints of your model of caravan/5th Wheel. Other than that the world is your oyster!

### 8.2 SATELLITE SYSTEM

To bring a signal to your TV you will need a satellite dish. Satellite dishes come in various sizes. In general, the larger the dish the better the reception. For us Kiwis, it is recommended that we use a dish that is at least 45cm wide to capture full service. Choose anything smaller and the quality of your signal will decrease in certain conditions. For example, you may get bad reception in rainy weather (rain fades down the signal power). On the other hand, a satellite larger than 65cm wide wouldn't give you any advantage.

#### 8.2.1 What to look for in a good satellite dish?

- High-end satellite dishes have quicker signal acquisition (30 seconds for best, 1-2 minutes for rest)
- High-end satellite dishes memorise the position they were last deployed and use it to acquire signal even faster at the next time of use

## 8. TV & Satellite *..continued*

### 8.2.1 What to look for in a good satellite dish? *..continued*

- Some of the most expensive satellite dishes auto-retract themselves when you start your motorhome
- Most satellite dishes can only search for a single transponder – Australia's telecommunication company's satellite Optus D1 in New Zealand (All direct broadcast services for subscription and free-to-air television to New Zealand are carried on Optus D1 making it the New Zealand hotbird). Top of the line products can acquire signal from up to 4 satellites (like Optus D2 for example), which can give you access to more free channels.

#### Basic Satellite Dish

- Winegard <https://www.vantagerv.nz/winegard-satellite-dish-p/5-winegard.htm>

#### Premium Satellite Dish

- Alden EVO 65 <https://www.vantagerv.nz/alden-automatic-satellite-dish-p/5-evo-65.htm>

## 9. Other Items

### Slide out

All our caravans and 5th Wheels come with electric slide outs. These are simple to operate with the push of a button. They can be partially opened or closed simply by releasing the button at any point.

Select Caravans supplied an adaptor to manually operate the slide outs should for any reason they fail to operate or you have a flat battery. Best operated with an electric drill.

### **Important!**

**Slide outs are only water tight when fully extended or fully closed. Hold the button until the slide out stops moving and the motor stops.**

### Awning

All Select Caravans come with a minimum of 1 electric awning as standard. These are a great addition to the RV and provide shelter from sun and rain. Note that awnings should be retracted if you leave your RV unattended for any period of time.

You could elect to secure the awnings with guy ropes or similar.

There are also many canvas/awning manufacturers throughout NZ who can custom make an awning, skirts or sides for your standard awning.

### Accessories

Select Caravans works with a number of specialist RV partners. Talk to us about anything you would like to have fitted to your RV.

- Bike racks
- Ladders
- Skylights
- Alternative toilets
- TV Mounts
- Portable tanks for water or waste
- Many many more...

# 10. Appendix

Tow Vehicles as @ January 2020

Refer <https://www.aa.co.nz/cars/owning-a-car/towing/towing-weights/> for latest data.

Make	Model	Year	Trailer with brakes (kg)
Audi	Q7 3.0 TDI	2006 - 2012	3,500
Audi	Q7 3.0 TDI, S-Line 180Kw	2015-2019	3,500
Audi	Q7 4.1 TDI V8	2015-	3,500
Audi	Q7 4.2 FSI V8	2006 -	3,500
Audi	Q8 3.0 DTTI	2019	3,500
Audi	SQ7 4.0 TDI V8 435kW	2017	3,500
Ford	Ford Ranger 2.2 XL	2019	3,500
Ford	Ford Ranger 3.2 WildTrak 4WD	2015-2019	3,500
Ford	Ranger All Models	2015	3,500
Ford	Transit Cargo 470E All Models	2015	3,500
Holden	Colorado 4WD All Models	2015-	3,500
Holden	Colorado 4x4 2.8 DT	2013-	3,500
Holden	Colorado Z71	2017-	3,500
Isuzu	Isuzu D-	2017-	3,500
Isuzu	Ute LS-T Double Cab	2015	3,500
Isuzu	Ute LX All Models	2015	3,500
Jeep	Cherokee 2.7D	2003	3,500
Jeep	Cherokee 2.8D	2003	3,500
Jeep	Cherokee Grand	1996	3,500
Jeep	Commander 5.7 V8	2006 -	3,500
Jeep	Commander CRD	2006 -	3,500
Jeep	Grand Cherokee 3.0 CRD T 4X4 All	2015	3,500
Jeep	Grand Cherokee 5.7 Hemi V8	2005	3,500
Jeep	Grand Cherokee 5.7 Ltd,Overland	2015	3,500
Jeep	Grand Cherokee SRT 3.0, 5.7	2015	3,500
Land Rover	Defender All Models	2014 -	3,500
Land Rover	Discovery	2014 -	3,500
Land Rover	Discovery Range Rover	1998 -	3,500
Land Rover	Land Rover Discovery SDV6	2016-	3,500
Lexus	LX 470	2005	3,500
Lexus	LX 570	2008 - 2015	3,500
Mazda	BT-50 Freestyle Cab All Models	2015	3,500
Mazda	BT-50 Single Cab 2wd, 4wd, GLX/ GSX	2012 - 2017	3,500

# 10. Appendix

Tow Vehicles as @ January 2020

Refer <https://www.aa.co.nz/cars/owning-a-car/towing/towing-weights/> for latest data.

Make	Model	Year	Trailer with brakes (kg)
Mercedes	G Class All Models, Diesel/Pet	2015	3,500
Mercedes	GL Class, 350D,400,500	2015	3,500
Mercedes	GLE 450 4Matic Coupe	2015	3,500
Mercedes	M Class ML 350 Diesel	2015	3,500
Mercedes	M Class ML 350,500	2015	3,500
Mitsubishi	Triton 2.4D VRX	2019-	3,500
Nissan	Nissan Navara STX	2016	3,500
Nissan	Patrol TI 4.8	2002 -	3,500
Nissan	Patrol TI petrol	2004	3,500
Nissan	Patrol VK56VD	2013 -	3,500
Range Rover	Sport	2014 -	3,500
Ssangyong	Musso petrol	2004	3,500
Ssangyong	Rexton 4.0	2002	3,500
Ssangyong	Rexton G4	2017	3,500
Toyota	Land Cruiser 200 VX	2015	3,500
Toyota	Land Cruiser 70 4.5 TD	2007	3,500
Toyota	Land Cruiser 70 Series	2015-2017	3,500
Toyota	Landcruiser Wagon	1998	3,500
Volkswagan	Amarok V6 D 3.0	2017- 2019	3,500
Volkswagan	Touareg - all	2004-	3,500