

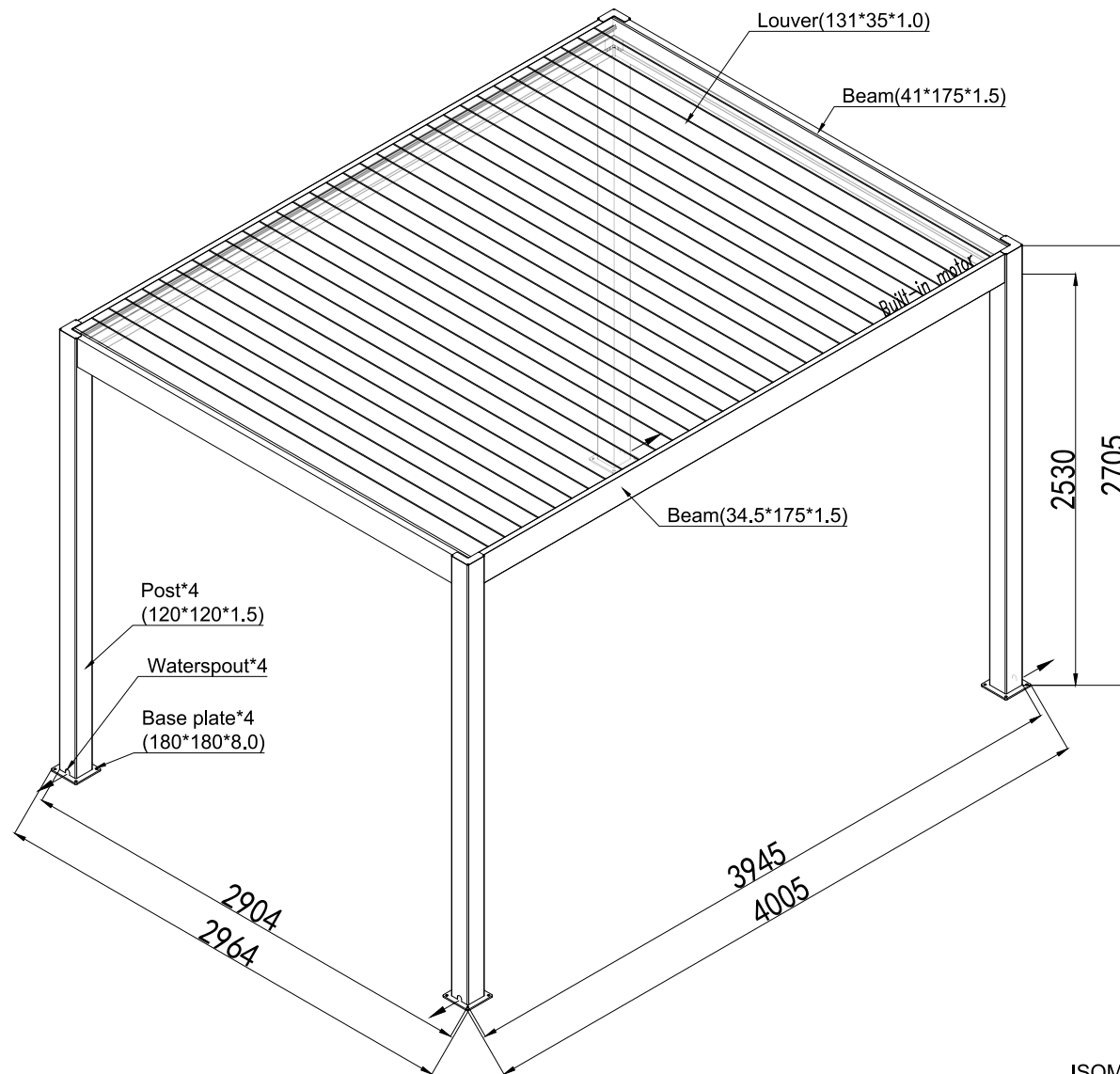
Vortex Pergola™ 3400 Model



* Conditions apply. Specifications may change without notice. Pictures may show options not available on all models.

VPTSAUNZ3400040225

Vortex Pergola™ 3400 Model



ISOMETRIC VIEW

Title: 3400

Louvre Operation: Motor x 1.

Control Method: Remote and Post Mount.

Colour: Traffic White RAL 9016

Anthracite Grey RAL 7016

Lighting: LED Strip.

Power Requirements: 10 Amp circuit.

Materials: Powder Coated Aluminium

Heavy duty 316 Stainless steel

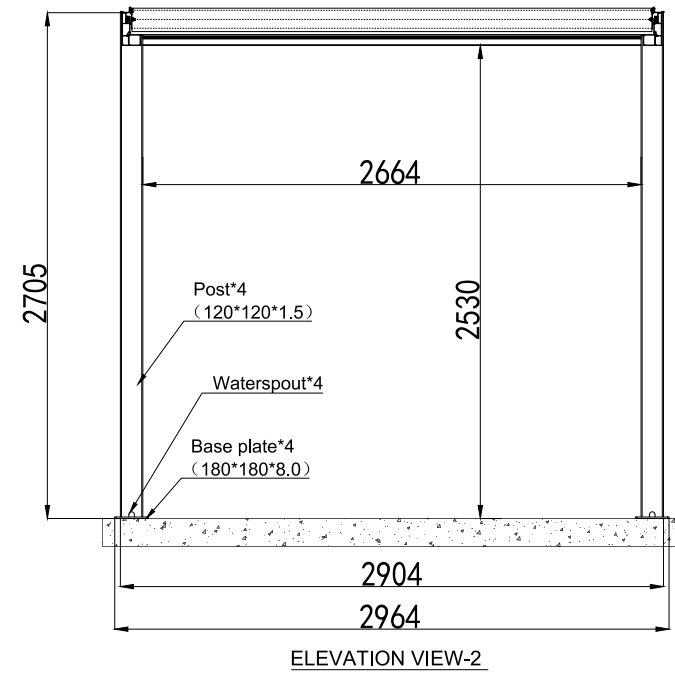
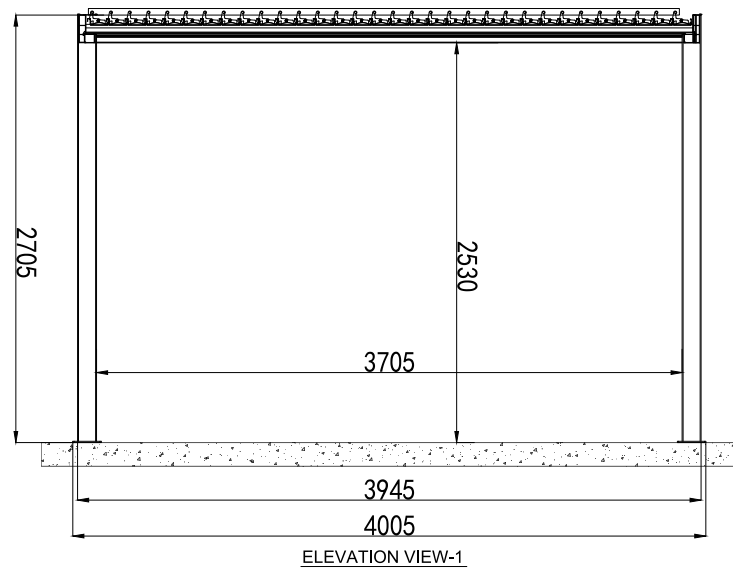
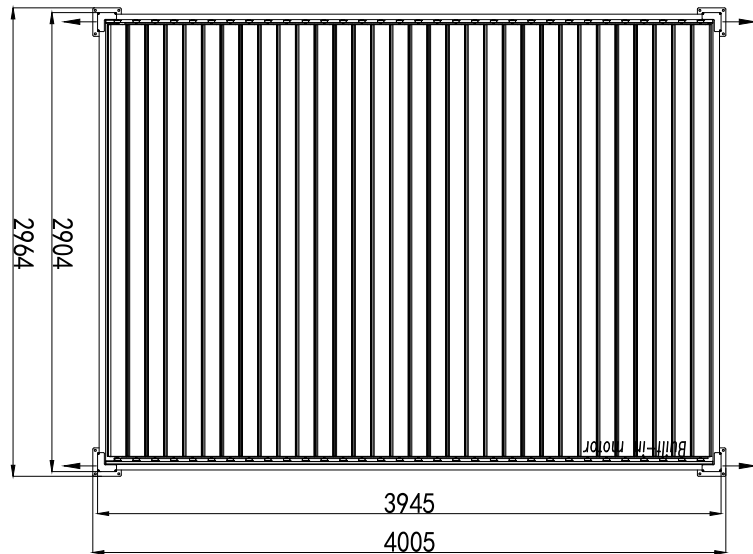
Recommended Foundation: Concrete *

* Check with your local council

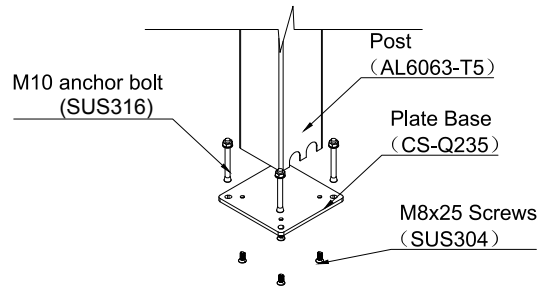
This pergola is intended as a semi-permanent structure - Please contact your local council for semi-permanent structure approval requirements.



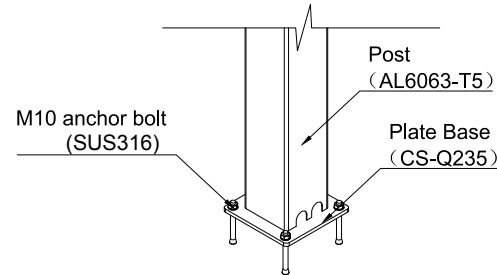
Vortex Pergola™ 3400 Model



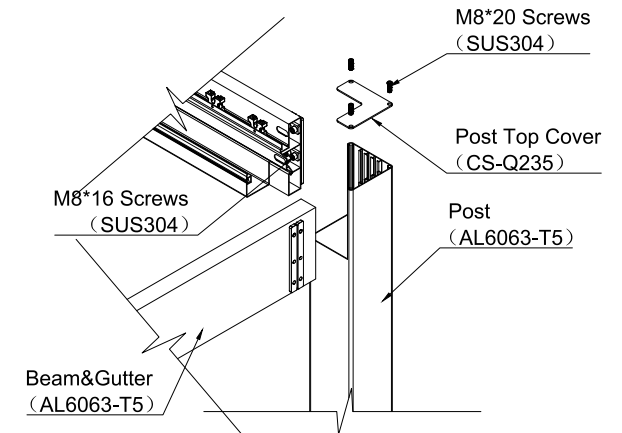
Vortex Pergola™ 3400 Model



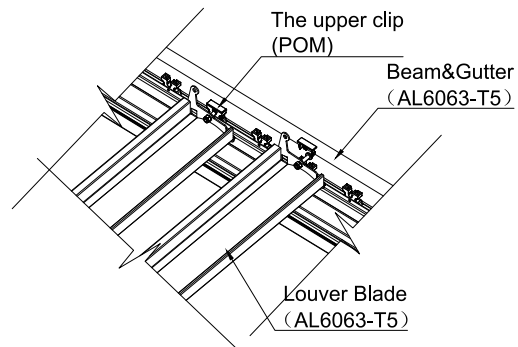
1
5 Connection of Post and Plate base



2
5 The connection between the base and the ground

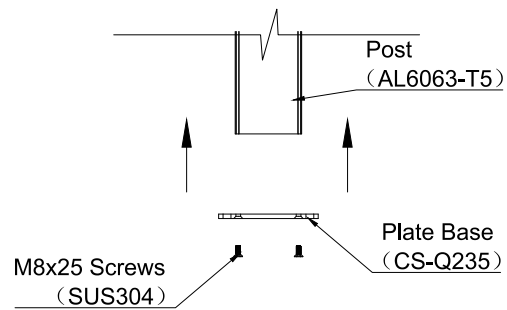


3
5 Connection of Post and Plate base

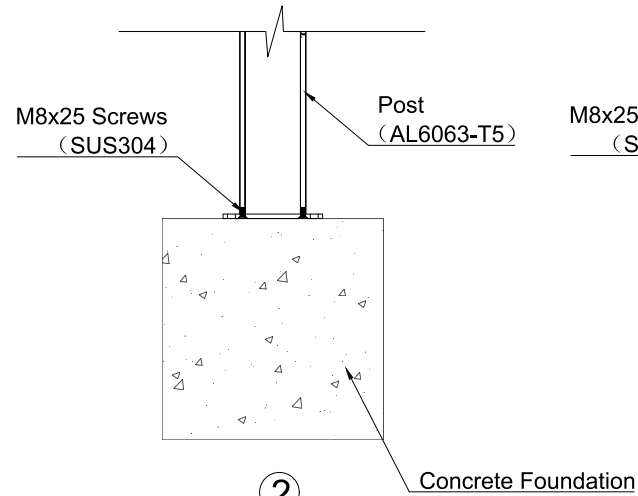


4
5 Connection of blade and beam

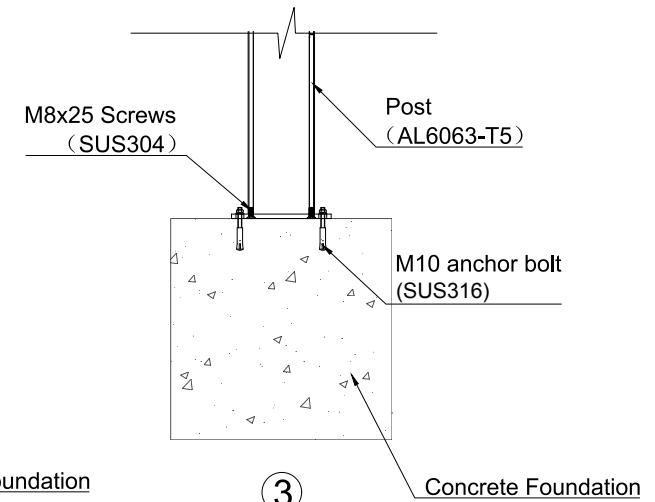
Vortex Pergola™ 3400 Model



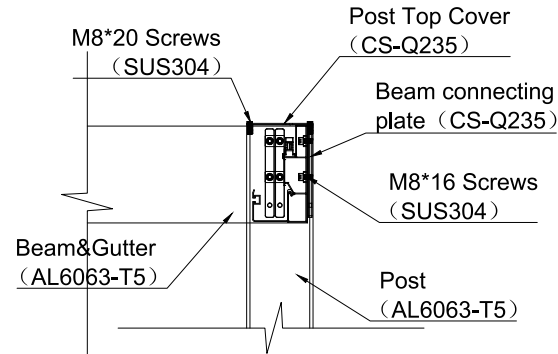
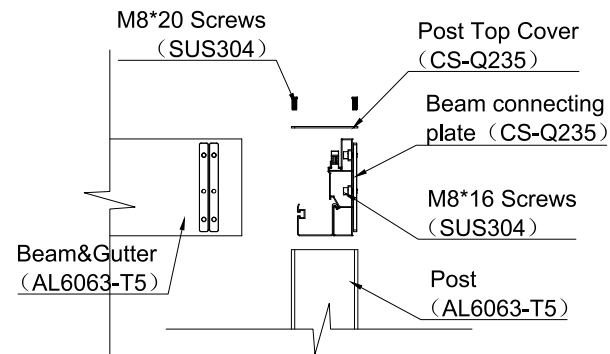
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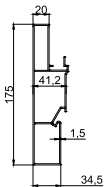
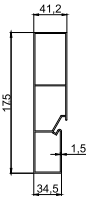

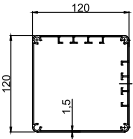
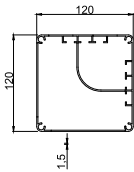
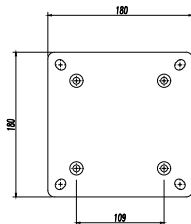
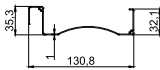



③



Vortex Pergola™ 3400 Model



 <p>Technical drawing of the main beam cross-section. It shows a U-shaped profile with dimensions: top flange width 20, total height 17.5, inner width 41.2, bottom flange width 34.5, and a small vertical offset of 1.5.</p>	 <p>Technical drawing of the side beam cross-section. It shows a U-shaped profile with dimensions: top flange width 41.2, total height 17.5, inner width 34.5, and a small vertical offset of 1.5.</p>	 <p>Technical drawing of the gutter cross-section. It shows a U-shaped profile with dimensions: top flange width 71.9, total height 57.8, and inner width 62.5.</p>
Main beam	Side Beam	Gutter
 <p>Technical drawing of the corner post cross-section. It shows a square profile with dimensions: side length 120 and a small vertical offset of 1.5.</p>	 <p>Technical drawing of the post with a cavity for wiring. It shows a square profile with dimensions: side length 120 and a small vertical offset of 1.5.</p>	 <p>Technical drawing of the base plate cross-section. It shows a square profile with dimensions: side length 180 and a small vertical offset of 109. There are also four circular holes, each with a diameter of 10.</p>
Corner Post	Post with cavity for wiring	Base Plate
 <p>Technical drawing of the blade cross-section. It shows a profile with dimensions: top flange width 35.3, total height 1, and a small vertical offset of 130.8.</p>	 <p>Technical drawing of the control rod cross-section. It shows a profile with dimensions: top flange width 8.6, total height 35, and a small vertical offset of 2.5.</p>	
Blade	Control Rod	

Vortex Pergola™ 3400 Model



Packaging Info. (Pergolas manufactured after Nov 2023)

Crated - All cartons are delivered in one crate.

Crate Dimensions (mm)			Crate Total weight incl package (kgs)	Internal Carton Dimensions (mm)				Carton weight (kgs)	Description
Length	Width	Height		Length	Width	Height	Carton Qty		
3890	740	780	276	3910	330	250	1	29	Beam & Gutters (B-1,B-2,B-3,B-4)/ Control rods/Flashing
				2940	370	430	1	30	Common Blades(D-2)/Driving Blade(D-1)
				2940	370	430	1	32	Common Blades(D-2)
				2940	370	270	1	32	Post/Hand Crank/Accessories
Optional Pergola Privacy Blinds Packaging				220	3840	140	1	40.6	Guided Zip Track Blind

The included anchors are for the standard concrete foundation design detailed in this document and certified by independent Engineers. Any other foundation type, including a wood deck, will require you to seek advice from an Engineer, which will stipulate the fasteners that are required.

Vortex Pergola™ 3400 Model



Crate Packaging FAQs

How will the Pergola crate be removed from the delivery truck?

The crate will be removed from the delivery truck using a HiAb crane to safely lift the large crate off the truck.

Will the delivery team place the Pergola crate in my backyard?

The delivery team will transport the crate to the kerbside or driveway as long as it can be safely reached using the HiAb crane.

Where will the delivery team place the Pergola crate?

The delivery team will safely place the crate at the roadside or your driveway using a HiAb crane.

Will the delivery team remove the Pergola packaging?

We do not offer a packaging disposal service and you will be responsible for removing any packaging material.

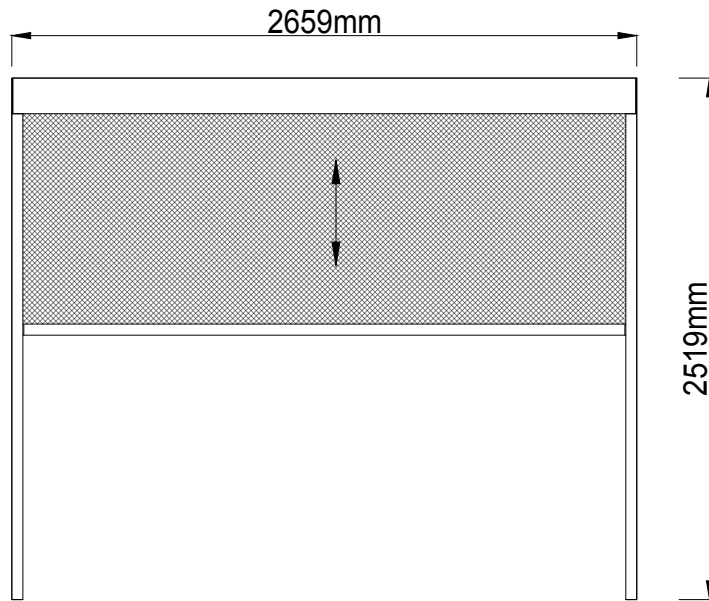
How do I dispose of the Pergola packaging?

To dispose of the packaging, we suggest breaking it down into smaller parts and loading them onto a ute or into a trailer. Alternatively, you can consider hiring a service to pick up the packaging from your location.

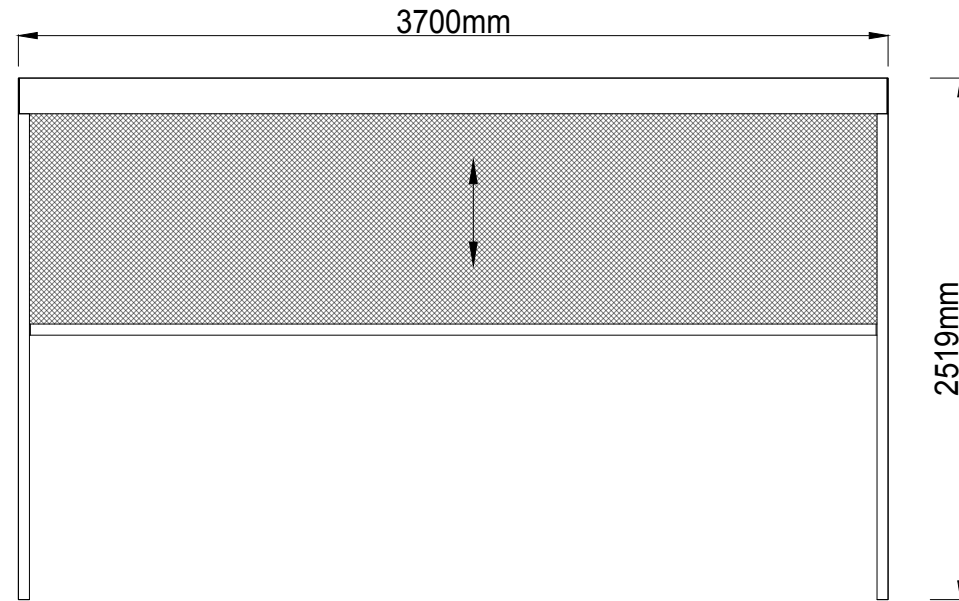
What size of vehicle do I need if I want to pick up the pergola myself?

The size of the vehicle you would need for a self pick-up will depend on the crate packaging, dimensions, and weight of the pergola. Vortex™ Pergolas come in various sizes, so it is important to know the specific dimensions of the one you want to pick up. Once you have the dimensions, you can then determine the appropriate size of the vehicle, such as a pick-up truck or a larger van, that can accommodate the pergola without any overhang or safety concerns. Please refer to the packaging page earlier in this document for weights and dimensions.

Optional Pergola Privacy Blinds



Side screen facade view



Side screen facade view

NOTICE

Equipotential Bonding Compliance Obligation

This product is subject to Equipotential Bonding compliance in accordance with the Australian and New Zealand Standards (AS/NZS 3000: 2018 Electrical Installations) otherwise known as the Wiring Rules. If this product is installed within arms reach of a body of water including spa, swim spa or pool, then Equipotential Bonding **MUST** be performed by a licensed electrical person prior to the product being used. This is a mandatory requirement. As the purchaser of this product, you are responsible for ensuring compliance with this requirement at your own expense.

Vortex Pergola™ 3400 Model



Drainage around your pergola

In most cases, you will need to install drainage around your pergola or gazebo if the roof is fully closed or can be closed. We always recommend checking local council regulations before you purchase or install a pergola.

- Your council may require you to install drainage around a pergola with fully closing louvres to catch the rainwater that flows across the louvres and down through the posts.
- Your council may also require water to be redirected to the household stormwater system, such as the downpipe system from your house.

Depending on your local regulations, you may not be allowed to let the water come out of the water spouts at the bottom of the pergola posts and onto the ground without drainage to catch and redirect it to the household stormwater system.

If you are installing your spa on an existing or new pad, you should consult with a building certifier before any installation to determine the requirements.

Foundations

Pavers are generally not suitable for supporting pergolas. To ensure structural integrity and long-term success, pergolas must be secured to a concrete slab with a minimum thickness of 100mm. If a concrete slab is not feasible, substantial footings are required, with depths reaching up to 2000mm and diameters of 450mm per post, depending on the size of the pergola and the type of soil. Understanding these requirements during the qualifying stage is crucial for proper installation and durability.

Vortex Pergola™ 3400 Model



Frequently Asked Questions

This section is designed to provide a simplified overview of current regulations in reference to Vortex Pergolas™. It is not state specific and therefore is not a complete guide.

We advise you to seek independent advice for your individual site requirements.

Do I need council consent to install a pergola?

This depends on the state you live in and the value of your complete project. Please contact your local council for the complete details.

Can I install my pergola onto a deck?

Yes, however, the engineering that has been done is based on a concrete footing. If you wish to put the pergola on a deck, you must have the foundation certified by an engineer.

Do I need engineering for my pergola?

Spa World provides engineering documents on the following pages. The engineering is based on standard concrete foundations. Any variation from the standard foundation will require re-engineered certification.

Do I need an Electrician for the installation of my pergola?

Yes, a licenced electrician is require to hardwire the electrical supply to the motorised pergola. The cable can be hidden by running it through the posts for a tidy finish.

How Many motors are on the Vortex pergolas?

3300 = 1
3400 = 1
4600 = 2

How far do the louvres open?

Roughly 90°

Do Vortex Pergolas have a wind rating/classification?

Yes, you can find that on the following pages.

How long does it take to install a pergola?

Each installation will vary based on many factors including, location, foundations, workers availability and experience etc. As a guide, a pergola can take 4-6 hours with 3 people.

What grade of aluminium is used in the Vortex Pergolas?

6063-T5. (Detailed information available in the following pages)

Are the pergolas available in a lower height model?

Unfortunately, we cannot provide custom sizes.

Am I able to attach the pergola to an existing structure, such as a house?

We recommend that you discuss this option with your builder/ engineer.

Can we have changing colours in the LED Lighting?

Unfortunately, we are unable to offer this at this stage.

Do the Louvres automatically close when it rains?

The louvres do not automatically close when it rains.

Does Spa World offer an installation service for Pergolas?

Unfortunately, Spa World is unable to offer an installation service. Please talk with your sales consultant and they can provide installation contractor options.

How do I get the pergola from the curbside delivery point to the final location?

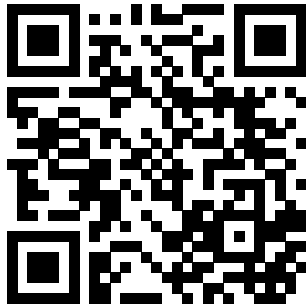
We suggested to unpackaged the individual cartons and transport them to the final place. Note, the weight of each carton from this sheet. Use the correct number of people and safe lifting practices.

Vortex Pergola™ 3400 Model

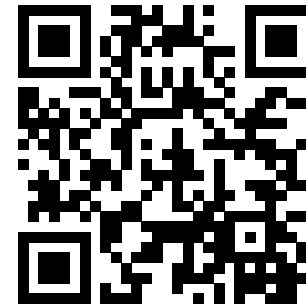


Structural Certificate

Please click or scan the QR codes below to access the Vortex Pergola™ 3400 specific information.



Vortex Pergola™ 3400
Structural Certificate



304 to 316 Stainless Steel
Anchor Bolt
Engineer Notice

Vortex Pergola™ 3400 Model

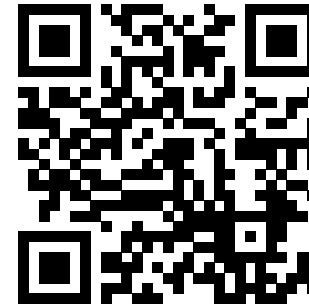


Installation Guide

Please click or scan the QR codes below to access more detailed information about the installation of your Vortex Pergola™ 3400.



Vortex Pergolas™
Installation Guide



Vortex Pergolas™
Warranty

