



Alpha M

The next evolution in external awnings

Alpha M is Australia's first & only magnetic retention system, delivering up to 200kg[^] of pull force keeping fabric taut and neat inside channels.





Alpha M is the next evolution in awnings, developed for diverse weather conditions and adapted locally for Australia's harsh climate.

Advanced Technology

Pairs of Neodymium Magnets, in both the side channel and the screen guide, provide powerful pull force on either side keeping fabrics taut within the channel. Fabric snaps into position as the awning is lowered, raised or moved with magnetic force keeping the awning looking beautifully smooth, flat and taut.

The free floating side channels give the fabric the ability to breathe in and relax out during windy weather and still return to full tension.

Neodymium Magnets within the side channels provide a powerful pull force



Inner Strength

Featuring a tube-in-tube design for unrivalled strength and minimal deflection via a 60mm octagonal tube nested within a uniquely shaped 102mm rounded tube. The specially engineered design enables the awning to hang straight at ultra-wide sizes extending up to 6.5 metres wide.

Tube-in-tube design for unrivalled strength and minimal deflection



The patented technology is hidden within the side channels allowing Alpha M to outperform standard zip systems.

Clever Self Correction

Alpha M has the smarts to self-correct fabric blow outs back into position without a service call. Simply raise the awning above where the skin has come out and lower the awning completely. The powerful magnets effortlessly return the Stance Fibreglass Sunscreen fabric into the channel and pulls it tight eliminating the appearance of creases or folds.

Keder Design

A heavy-duty keder system interlocks the fabric within side guides. When partnered with the patented magnetic technology, this creates a more robust awning less prone to failures. The flexible PVC keder core is embedded in a highly durable Teflon® coated polyester with a high tear strength to withstand harsh Australian conditions.

Alpha M is available exclusively with Stance Fibreglass External Sunscreen which remains tight and beautiful at any interval during operation.



Heavy Duty Bottom Rail

Specially weighted to deliver a smooth and consistent operating experience, the heavy duty bottom rail balances the fabric within the side channels.

The bottom rail allows the awning to remain in any position for optimal light and heat control with minimal vertical movement during moments of windy weather. The heavily weighted bottom rail also allows the awning to be deployed and retracted in wind.

Finished with a plush bottom brush to neatly rest on uneven surfaces reducing light gaps and preventing insects and debris from entering.



Headbox Protection

Located within the opening of the headbox are two specially designed brushes to prevent dirt and debris entering the headbox and insects creating nests or damaging fabric.

As the awning moves up or down, the dual-brush design assists to dust the fabric clean to increase longevity.

An open roller option is also available for ceiling inset installations and when a headbox is not required..

Covering Out of Square

Side channels can accommodate 20mm out of square applications. For any out of square installation scenarios, the 'donut' helps to change the angle of the fabric as it tracks up or down, keeping it straight, tight and beautiful at any interval during operation.

Adjustments can be made during installation to ensure the optimal fit by sliding the donut in small increments along the tube on either end before fixing into place.

A U-Channel can also be used for larger out of square applications up to 70mm to allow for adequate fixing and a neatly concealed finish.



Measuring & Limitations

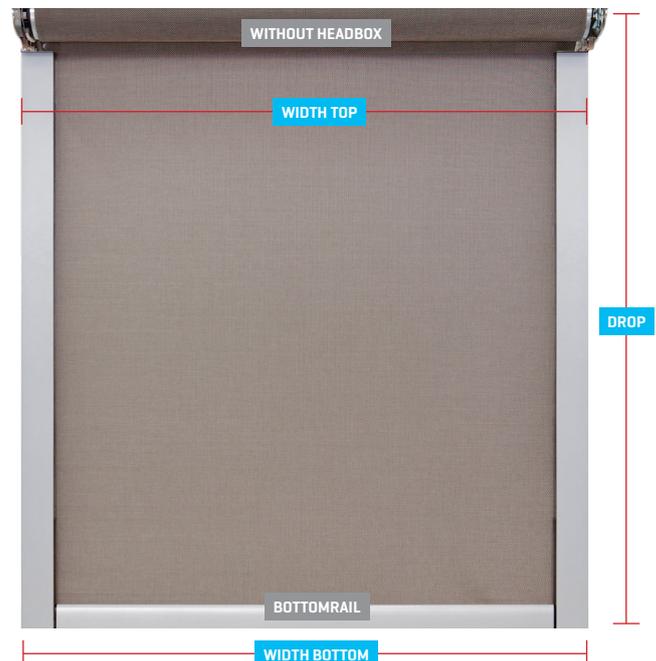
To ensure a perfect fit, Alpha M requires measurements for top and bottom widths as well as the drop. Awnings can be installed on face or reveal with a removable snap-over cover for side channels concealing all fasteners.

Minimum Width: 1000mm - Minimum Drop: 1000mm

Maximum Width: 6500mm - Maximum Drop: 4000mm

Note:

- A U-Channel is supplied for all awnings with a difference between the top and bottom width measurements greater than 20mm.
- Alpha M is not compatible for spaces with a width variation of more than 70mm between top and bottom width measurements.
- Awnings less than or equal to 1500mm wide with drops of 2750mm or greater will be supplied with a double bottom bar as standard.



Independently Wind Tested

The Turnils Alpha M Awning has been engineered and tested in Australia to specifically handle our diverse and unforgiving conditions all year round. Independent testing by James Cook University's Cyclone Testing Station, in accordance with AS 4040.2, has shown that the Turnils Alpha M Awning [3.5m opening span width] is able to withstand pressures up to 185kph*.

This makes the Turnils Alpha M Awning the strongest Straight Drop awning that has been wind tested in Australia.

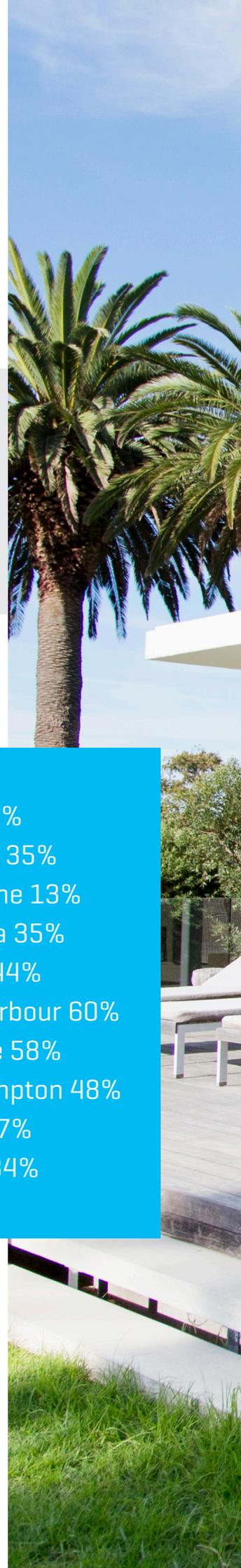
Alpha Awnings proven to reduce cooling energy costs by up to 60%#

Alpha Awnings have been independently tested & proven to significantly reduce cooling energy costs by keeping a standard* home at a consistent & comfortable temperature throughout the summer months.



- Perth 48%
- Adelaide 35%
- Melbourne 13%
- Canberra 35%
- Sydney 44%
- Coffs Harbour 60%
- Brisbane 58%
- Rockhampton 48%
- Cairns 47%
- Darwin 34%

* Report No. TS1166 of James Cook University Cyclone Testing Station, College of Science and Engineering dated 12 March 2020.
Despite the Turnils Alpha M Awning's performance in high wind loads, it is recommended that all awnings be retracted during wet or high wind conditions. Refer to our manufacturer's guide for full limitations, width, projection and wind rating information.
Performance is dependent on adequate fixing to a solid structure.
Tested in accordance with AS 4040.2 with constant wind pressures held for 1 minute.
Before relying on the representations made relating to the Alpha M Awning, please read our disclaimer at turnils.com.au/AlphaM
*Results based on a single storey, brick veneer home on a concrete slab using ducted air-conditioning and equally distributed windows with Alpha Awnings installed with Canvas fabric. Based on independent modelling conducted by White Box Technologies in conjunction with Peter Lyons & Associates June 2013.





Effortless Control

Motorised with Merger® Technology, the awning can be paired with the Neo Smart home automation solution for control anywhere in the world via an easy to use app.



Getting sunny?
Planning a pool party?
Simply control your Alpha M from your smartphone for the ultimate in outdoor comfort.

Alpha M also pairs with the Merger Sun and Wind Sensor, offering peace of mind. In the event of extreme weather conditions the sensor will automatically retract once a high wind level is reached.



Motor limits can be set and controlled via the Merger remote motor, eliminating the need for motorhead adjustments after installation.

It is recommended that all awnings be retracted in windy conditions.

Why Wait?

Speak with your Alpha M Retailer to help design your Alpha M Awning, built in Australia and fully installed by a trained professional.

For more information please contact your Alpha Retailer or visit us online at turnils.com.au

Part of the Alpha Family

Alpha M has been designed to fit in with the current range of Alpha awnings for a seamlessly coordinated home solution across all design options: Pivot Arm, Straight Drop, Cable Guide, SRS and Deep Channel.

Available in 7 colours coordinating with popular Colorbond® and Dulux® colours or mill finish for custom powder-coating.

