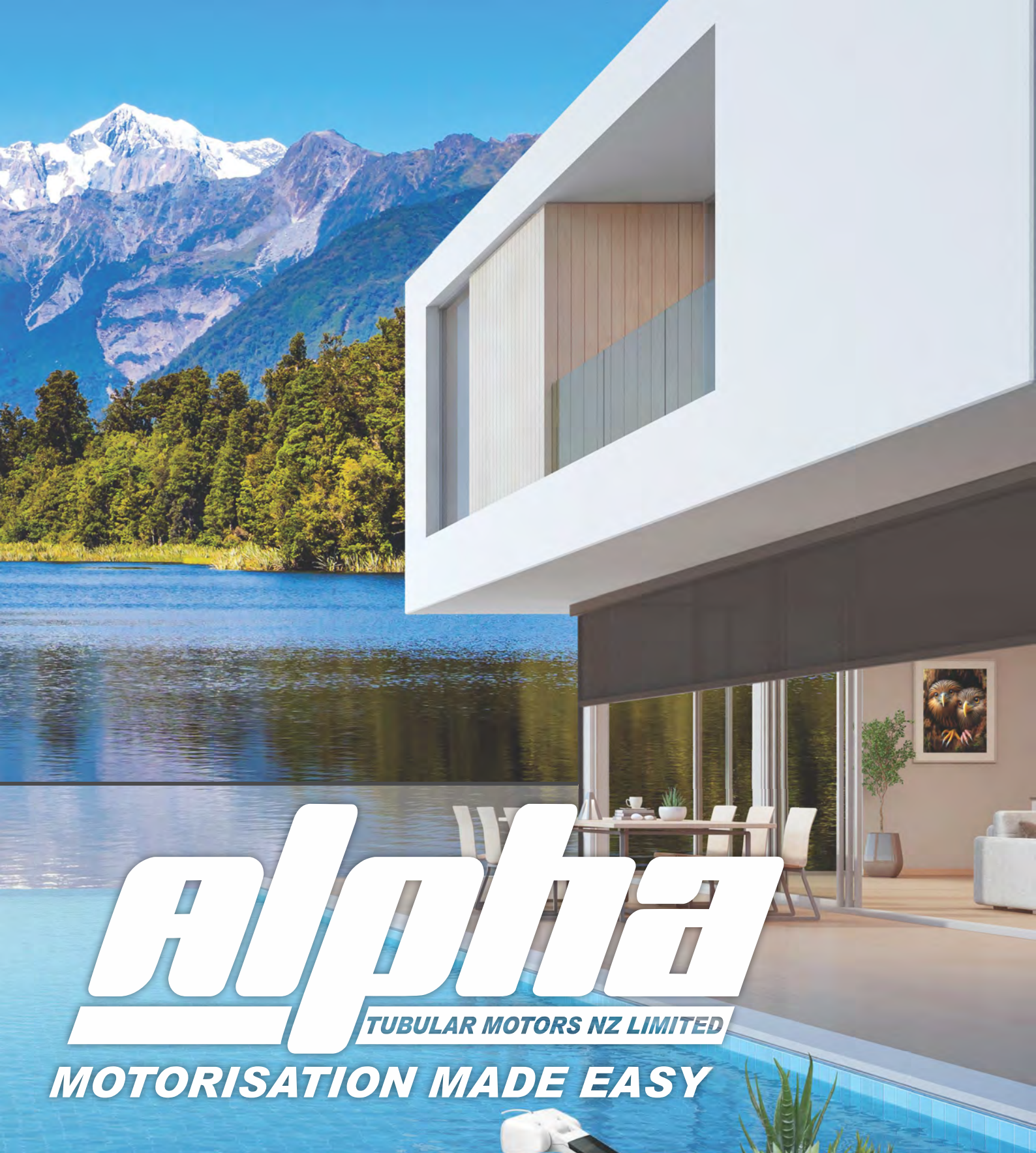




alpha

TUBULAR MOTORS NZ LIMITED

MOTORISATION MADE EASY

NEW ZEALAND
CATALOGUE
2026



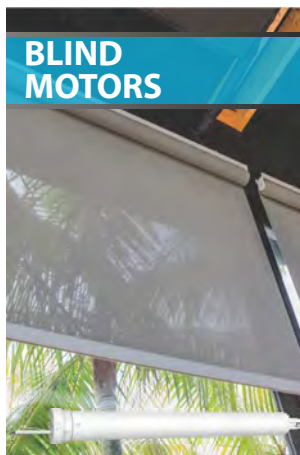
Leaders in innovation and technology.



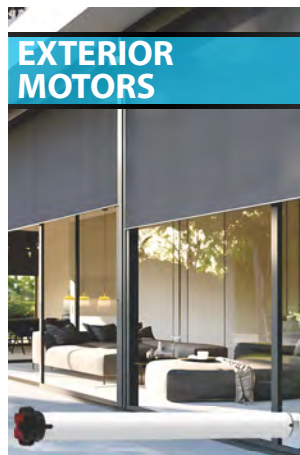
A team that delivers and assists you
to grow your business.



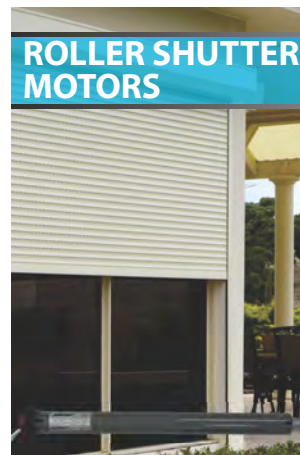
**AWNING
MOTORS**



**BLIND
MOTORS**



**EXTERIOR
MOTORS**



**ROLLER SHUTTER
MOTORS**



**SMART TECH
INTEGRATION**

SIMPLE PROGRAMMING
ADVANCED TECHNOLOGY
PROVEN RELIABILITY
SAME DAY DISPATCH
COMPETITIVE PRICING
UNMATCHED SERVICE AND SUPPORT
FULL COMPLIANCE TO NEW ZEALAND STANDARDS

WELCOME to the next generation of tubular motors.

Alpha new "Going Green" product range.



WSERD30-B 2/31 C

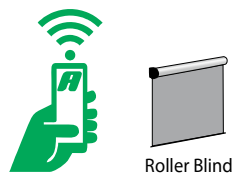
rechargeable battery motor

Electronic limit switch
Built-in receiver
25mm diameter motor
USB-C charging



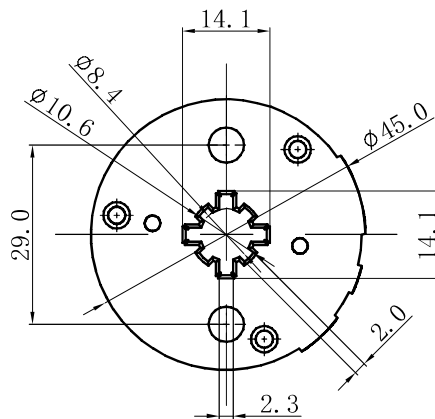
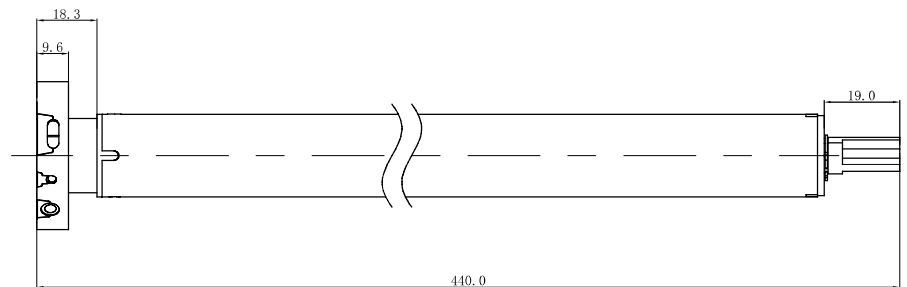
The new internal battery motors with USB-C charging provide you with enhanced performance and convenience.

- Short motor
- 5 volt USB-C charging capability
- Whisper-quiet operation
- 3 adjustable speeds
- Patented coreless technology
- Antenna-free sleek design
- Soft stop function
- Full reset function



Roller Blind

Product Certificates



Specifications - DC

Type	2/31C
Rated Torque (N.m)	2
Output Speed (rpm)	25/30/35
USB-C Charger Required	5V/1A
Nominal Voltage (V)	11.1
Speed Adjustable	yes
Running Time (Min)	∞
Protection Index (IP)	20
Total Length (mm)	525
Maximum Turns (Turn)	∞
Net Weight (Kg)	0.54
Max Lifting Capacity	3mx3m
Sound Intensity (dB)	28
Included C&D	A2310

Accessories

ALDC 5V-C Charger

5 volt USB-C charger with 3m cable for internal WSERD30-B motor



EXT USB-C 20cm

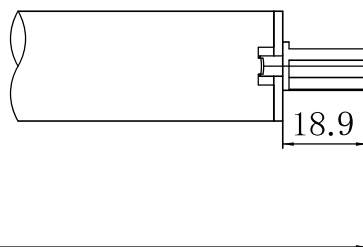
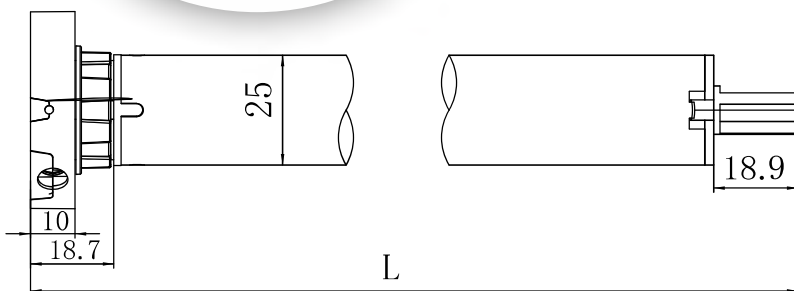
WSERD30-T 2/31

AC 120-240V power supply
Built-in transformer
Electronic limit switch
Built-in receiver
3rd intermediate limit position

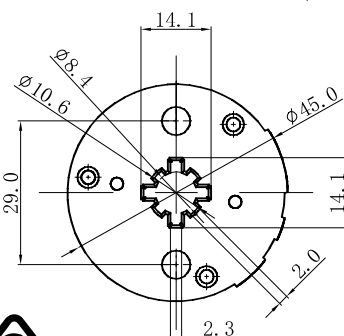
Alpha's 240 volt 2/31 motor can fit a 38mm tube and lift a 3m x 3m unlinked internal roller blind, delivering optimal performance.



- Compact design
- 25mm diameter
- 3 adjustable speeds
- Motor can fit 38mm tube



Roller Blind



Product Certificates



Specifications

Type	2/31
Rated Torque (Nm)	2
Output Speed (rpm)	25/30/35
Lifting Capacity (m)	3x3
Nominal Consumption (W)	13.6
Input Voltage (V)	100-240
Nominal Current (A)	0.24
Running Time (mins)	4
Protection Index (IP)	20
Total Length (mm)	532
Maximum Turns	∞
Sound Intensity (dB)	28
Net Weight (Kg)	0.5
Included C&D	A2310

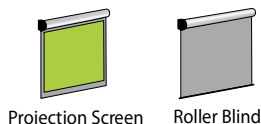
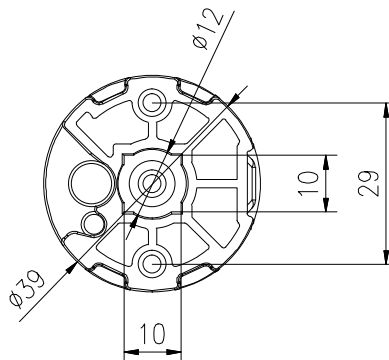
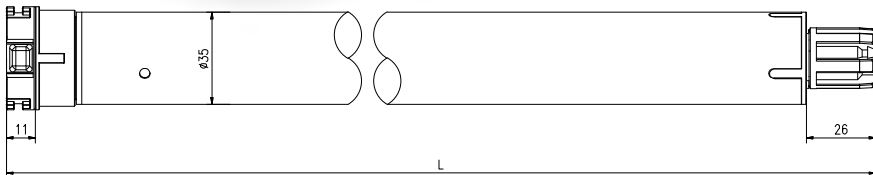
WSERD40-T 5/40

3 core motor
Electronic limit switch
Built-in receiver
3rd intermediate limit position
35mm diameter

The WSERD40-T 5/40 is another high performance “green” tubular motor designed for roller blinds that demand reliability, and energy-efficient operation.



- Quiet operation
- 3 selectable speeds
- Fast motor at 40rpm
- Long thermal overload
- Low power consumption



Product Certificates



Specifications

Type	5/40
Rated Torque (Nm)	5
Output Speed (rpm)	24/32/40
Nominal Consumption (W)	84
Input Voltage (V)	100-240V
Nominal Current (A)	0.38
Running Time (mins)	12
Protection Index (IP)	44
Total Length (mm)	670
Maximum Turns	∞
Net Weight (Kg)	2.8
Sound Intensity (dB)	29
Included Crown & Drive	A2310
Included Motor Plate	A3304

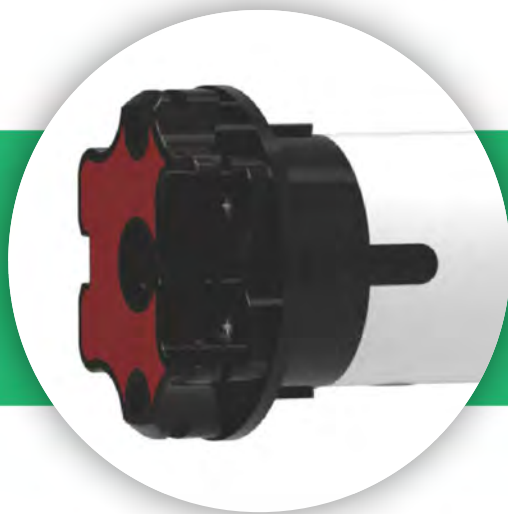
WSERD50-T 20/17 OD zip

3 core motor
Electronic limit switch
Built-in receiver
3rd intermediate limit position
45mm diameter

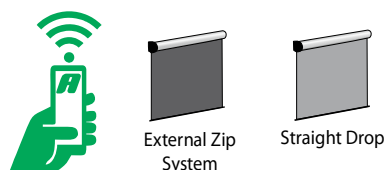
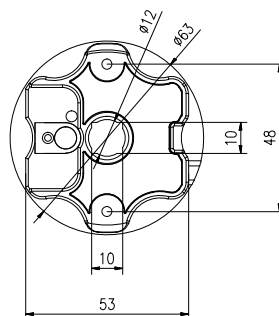
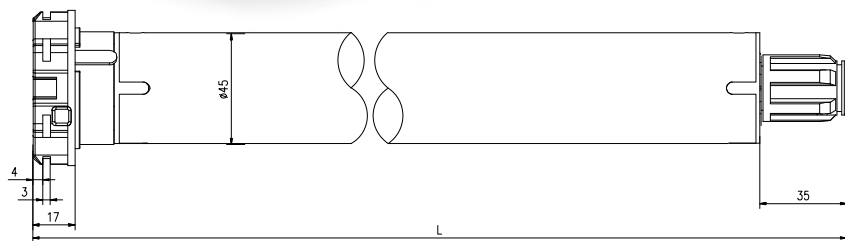
Alpha's next generation of Obstacle Detection zip motors. Alpha is "Going Green" with the WSERD50-T 20/17 OD zip motor.

A fast, quiet motor that uses less electricity, with a long thermal overload cut-out time, so it won't overheat after a few cycles. Reliable Obstacle Detection on the way down, and tensioning on the way up.

S001 wind sensor can also be connected to this motor as an additional safety device.



- Obstacle detection
- Fabric tensioning
- Quiet operation
- 3 selectable speeds
- Long thermal overload
- Low power consumption



Product Certificates



Specifications

Type	20/17
Rated Torque (Nm)	20/15/10
Output Speed (rpm)	17/20/28
Obstacle Detection	Yes
Nominal Consumption (W)	170
Input Voltage (V)	100-240V
Nominal Current (A)	0.77
Running Time (mins)	12
Protection Index (IP)	44
Total Length (mm)	750
Maximum Turns	∞
Net Weight (Kg)	4.5
Sound Intensity (dB)	32

WSER50 50/13 Universal

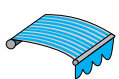
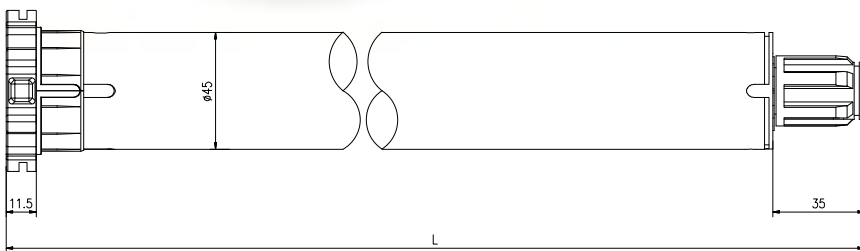
Electronic limit switch
Built-in receiver
Wireless limit setting
3 core motor
45mm diameter motor

Our WSER50 series Universal motors are the most popular external straight drop motors in Australia.

Due to the upwards torque stop function, this motor is ideal for all external straight drop systems. This protective feature can be used to stop on stoppers at the top limit in side channel systems, and can also be used to tension the fabric when the awning is down. A top limit is set normally and the torque stop function can be used in conjunction. Suitable for use with RS001 and RS002, Sun/Wind sensors.

When used with Sun/Wind sensors, this motor detects a pulse from the sensor issued every 20 minutes. If the Awning is down and does not receive a signal from the sensor for half an hour, it will rise automatically as a protective measure assuming the sensor has failed.

The 30/17 version of this motor is available both with and without Molex connectors. The 10/27 and 50/13 versions are only available with Molex connector.



Awning



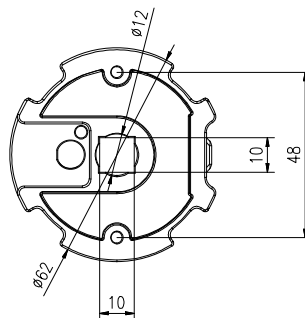
Straight Drop



Roller Shutter



External Zip System



Specifications - 240V / 50Hz

Type	50/13
Rated Torque (N.m)	50
Output Speed (rpm)	13
Nominal Consumption (W)	244
Nominal Voltage (V)	240
Nominal Current (A)	1.06
Running Time (Min)	4
Protection Index (IP)	44
Total Length (mm)	600
Maximum Turns (Turn)	∞
Net Weight (Kg)	2.65
Included C&D	A2404
Included Motor Bracket	A3415

Product Certificates



WSER50 50/13 Cassette Awning

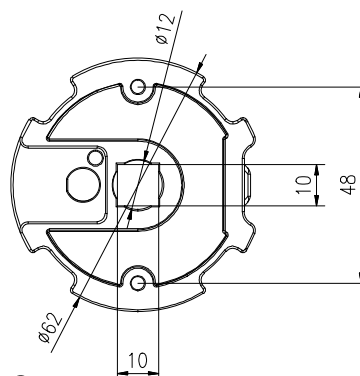
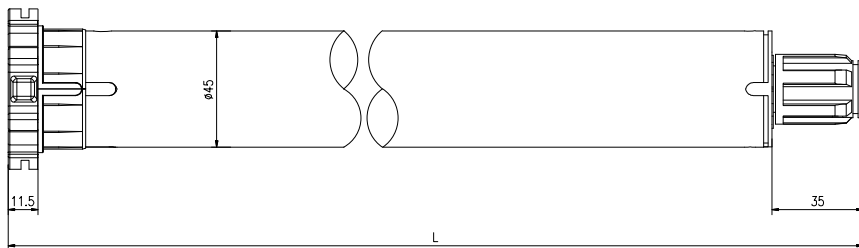
Electronic limit switch
Built-in receiver
Wireless limit setting
3 core motor
45mm diameter motor

These motors are designed to automatically set their inner limit based on tension. It will also allow you to set the inner limit manually if you require.

When using the auto inner limit setting, the outer limit is set manually using the remote and it will find its own inner stopping position by detecting the resistance as it reaches the fully closed position the first time it is closed. After this the motor will stop in this position after detecting an increased resistance of 25% while moving.

On larger cassette awnings, 25% is sometimes not enough so you can increase this to 50%, 75% or 100% if required. It's rare to need this adjustment but it's a good feature to have.

When used with Sun/Wind sensors or Motion sensors, this motor detects a pulse from the sensor issued every 20 minutes. If the Awning is out and does not receive a signal from the sensor for half an hour, it will close itself automatically as a protective measure assuming the sensor has failed or the batteries are flat.



Product Certificates



Specifications - 240V / 50Hz

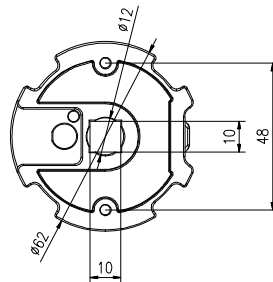
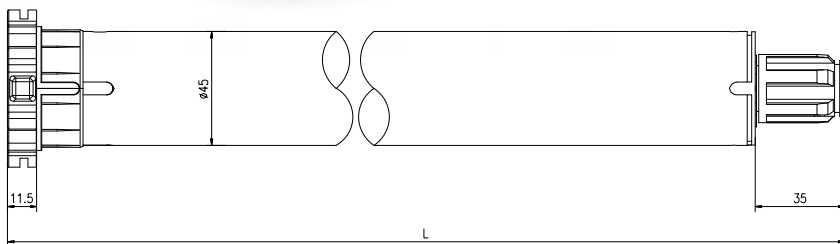
Type	50/13
Rated Torque (N.m)	50
Output Speed (rpm)	13
Nominal Consumption (W)	244
Nominal Voltage (V)	240
Nominal Current (A)	1.06
Running Time (Min)	4
Protection Index (IP)	44
Total Length (mm)	600
Maximum Turns (Turn)	∞
Net Weight (Kg)	2.65
Included C&D	A2409
Included Motor Plate	A3415

WSER50 G 20/17 Grey Universal

Electronic limit switch
Built-in receiver
Wireless limit setting
3 core motor
45mm diameter motor

The WSER50 G 20/17 Grey Universal is a 20Nm economy motor. This motor is ideal for all external straight drop and zip systems and has all the functions of the larger 30Nm and 50Nm Universal motors, including the upwards torque stop function. This protective feature can be used to stop the awning on stoppers at the top limit in side channel systems, and can also be used to tension the fabric when the awning is down. A top limit is set normally, and the torque stop function can be used in conjunction.

This motor can also be installed in roller shutters where 20Nm is sufficient to lift the shutter.



Straight Drop



Roller Shutter



External Zip System

Product Certificates



Specifications - 240V / 50Hz

Type	20/17
Rated Torque (N.m)	20
Output Speed (rpm)	17
Nominal Consumption (W)	203
Nominal Voltage (V)	240
Nominal Current (A)	0.84
Running Time (Min)	4
Protection Index (IP)	44
Total Length (mm)	570
Maximum Turns (Turn)	∞
Net Weight (Kg)	1.92
Included C&D	N/A
Included Motor Bracket	A3415

Alpha-Neo App & Link Box

ALPHA^{NEO}

App integration made easy



Control4

SAVANT

CRESTRON HOME

ELAN
Your world, made simple.

HomeSeer

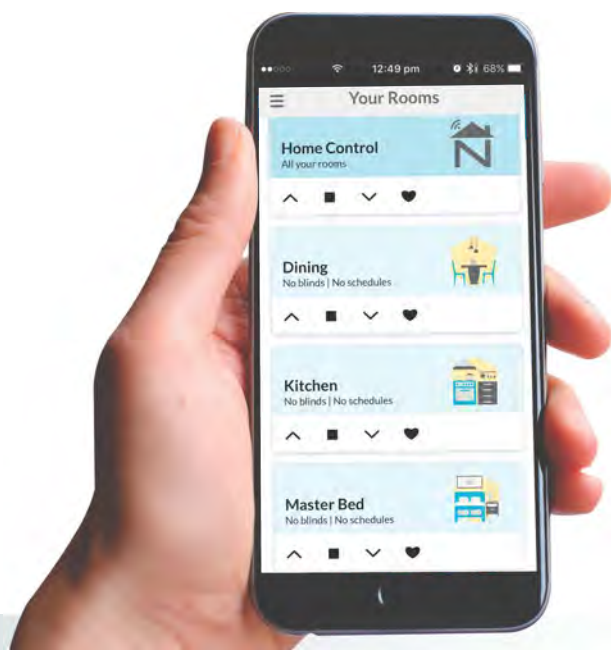


This app is extremely versatile and easy to set up. It controls motorised products individually, or by area, or the whole house at once from anywhere in the world with an internet connection. All functionality can be scheduled to operate automatically.

Simply purchase the link box and download the free app for either Android or Apple. This app is compatible with all Alpha remote control motors. There is no limit to the number of control devices you can connect. There are 30 control groups (rooms) available and you can add up to 8 blinds per group. Additionally, you can setup up to 40 schedules to automate functionality.

Specifications

Type	
Nominal Voltage (V)	5
Nominal Current (A)	1
Frequency MHz	433.92
Code Type	Rolling
Power Requirements	5V DC
Number of Channels	Max 240
Total Length (mm)	75
Total Width (mm)	60
Total Height (mm)	25



The Pioneer remotes are a sleek and practical design.

Available in single or 8 channel versions. Incorporating soft silicone rubber edges and buttons, this is a great remote for use with external products where being a bit more bounce proof is an advantage.

All Alpha remotes and receivers are inter-compatible.

Single Channel



RE101

Specifications

Channels	1
Frequency (MHz)	433.92
Codes	Rolling
Wall Mount	Yes
Battery Type	CR2032

4 Channel



RE102

Specifications

Channels	4
Frequency (MHz)	433.92
Codes	Rolling
Wall Mount	Yes
Battery Type	CR2032

8 Channel



RE103-8C

Specifications

Channels	8
Frequency (MHz)	433.92
Codes	Rolling
Wall Mount	Yes
Battery Type	CR2032

The Navigator series has an elegant and simple design featuring stainless steel edge trim and a near invisible magnetic wall mount. The stainless finish is much more than simply a trim on the edge. It's actually a solid steel chassis to which the front and back panels are attached. This gives the remote a great deal of structural strength, but additionally adds a significant feel of weight and quality in the hand that customers often notice. Available in single and 5 channel without screens, 8 and 16 channel with screens as well as single and 4 channel options with timers.



RE301

Specifications

Channels	1
Frequency (MHz)	433.92
Codes	Rolling
Magnetic Wall Mount	Yes
Battery Type	CR2032



RE302

Specifications

Channels	5
Frequency (MHz)	433.92
Codes	Rolling
Magnetic Wall Mount	Yes
Battery Type	CR2032



RE303

Specifications

Channels	8 & 16
Frequency (MHz)	433.92
Codes	Rolling
Magnetic Wall Mount	Yes
Battery Type	CR2032

Introducing Alpha's Explorer range of remote controls.

Available in a single channel and a 16 channel version.

Unused channels can be deleted from the 16 channel version.

Single Channel



XE1101

Specifications

Channels	1
Frequency (MHz)	433.92
Codes	Rolling
Wall Mount	Yes
Battery Type	2xAAA

16 Channel



XE1103

Specifications

Channels	16
Frequency (MHz)	433.92
Codes	Rolling
Wall Mount	Yes
Battery Type	2xAAA

Motion Sensors

Safety device for
cassette and folding arm
awnings

Available in black or white



This item attaches to the front channel of a folding Arm Awning/Cassette at either end. It measures the angle of the front bar and the amount of movement created by wind. When the sensitivity setting is reached, it sends a signal to the awning to close.

When used with a Universal or Cassette Awning motor, it will send a pulse to the motor a few times an hour telling the motor it's there and working. If the motor stops detecting this pulse due to flat batteries or failure, it will automatically retract the awning after about half an hour to both protect the awning and to alert the owner that the motion sensor is not working. Once the pulse is restored (usually by installing new batteries) normal operation will resume.

Although this item will control a Universal motor, the Universal motor does not have the extra protective functions mentioned above if the item stops sending the pulse. The motion sensor is a more reliable method of protection than the Sun/Wind sensors as it responds to actual physical movement of the front bar and not the wind speed detected by a device mounted nearby.

This unit has 9 pre-determined sensitivity settings.

Cannot be used in conjunction with Sun/Wind Sensors.

RS005W (white) **RS005B** (black)

Specifications

Frequency (MHz)	433.92
Codes	Rolling
Protection Index	IP44
Battery Type	2xAAA

Product Certificates



Sun & Wind Sensors

This device cannot
be used in conjunction
with Motion Sensors

- Programmable with 5 wind speed and 9 light intensity settings.
- Sun sensor can be disabled if required.
- For use with WSER Series motors.

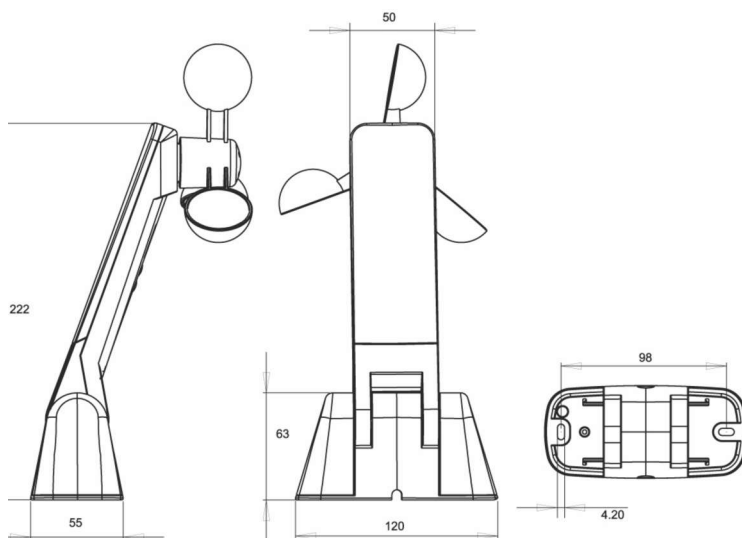
S001

Specifications

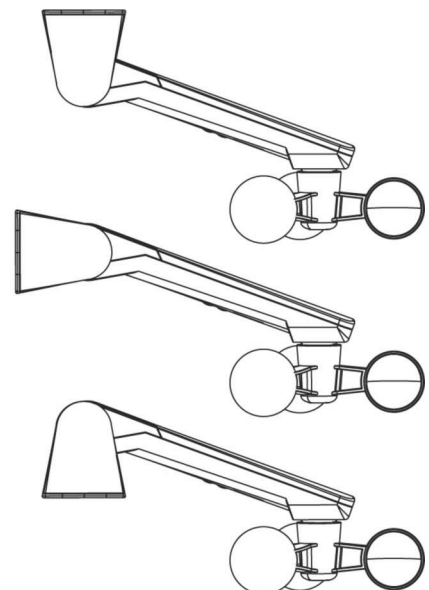
Frequency (MHz)	433.92
Codes	Rolling
Protection Index	IP44
Display	LED
Power	Solar Panel & Rechargeable Battery



Dimension Drawing



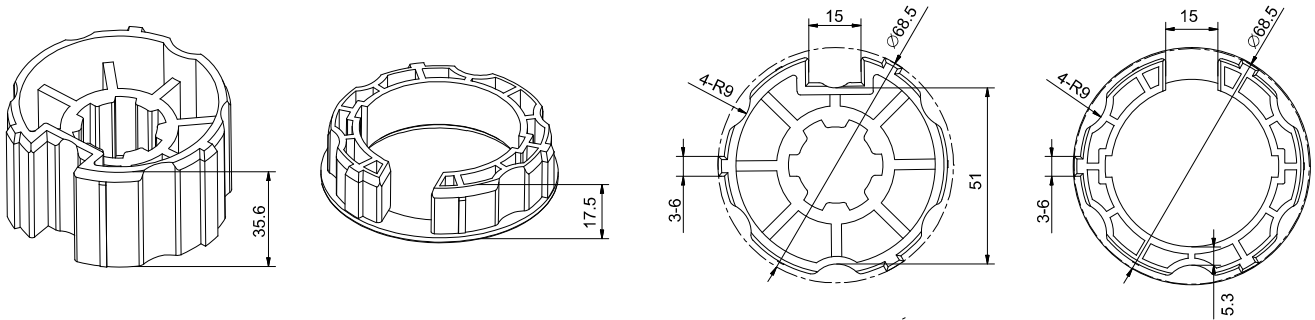
Installation Drawing



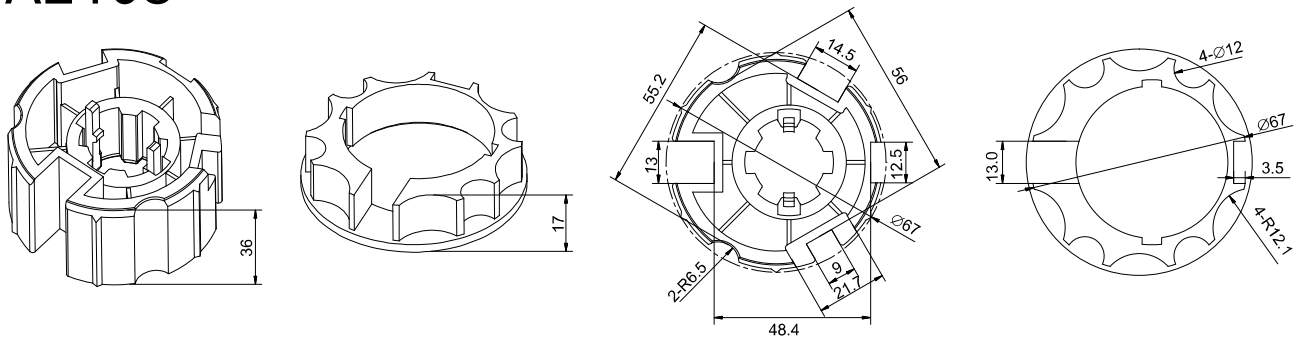
No crown required

Crown & Drive Adapters

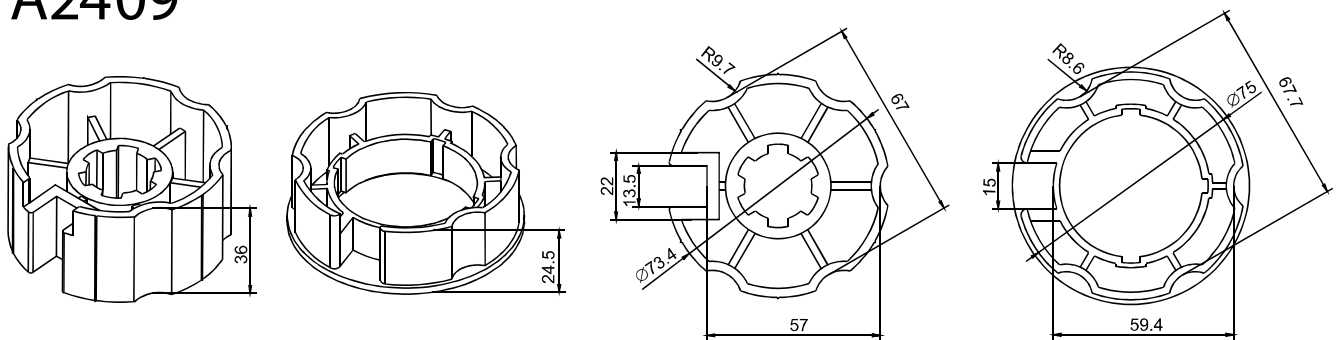
A2407



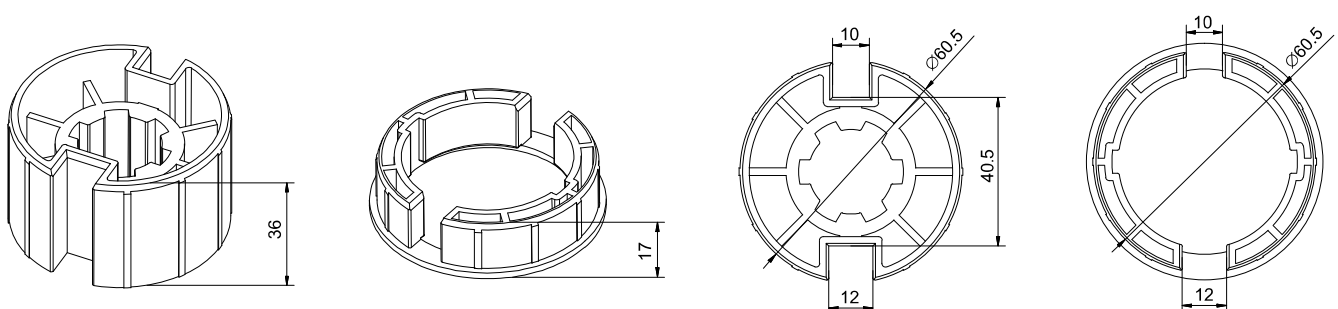
A2408



A2409

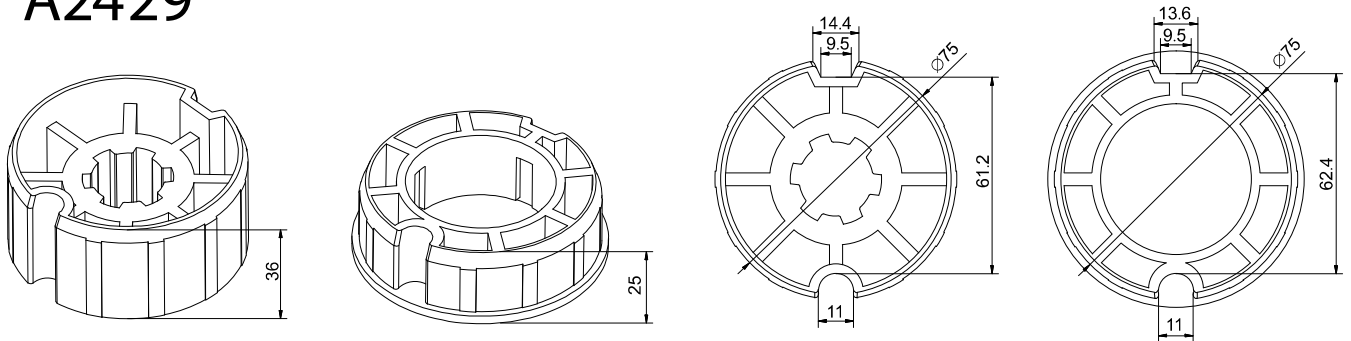


A2424

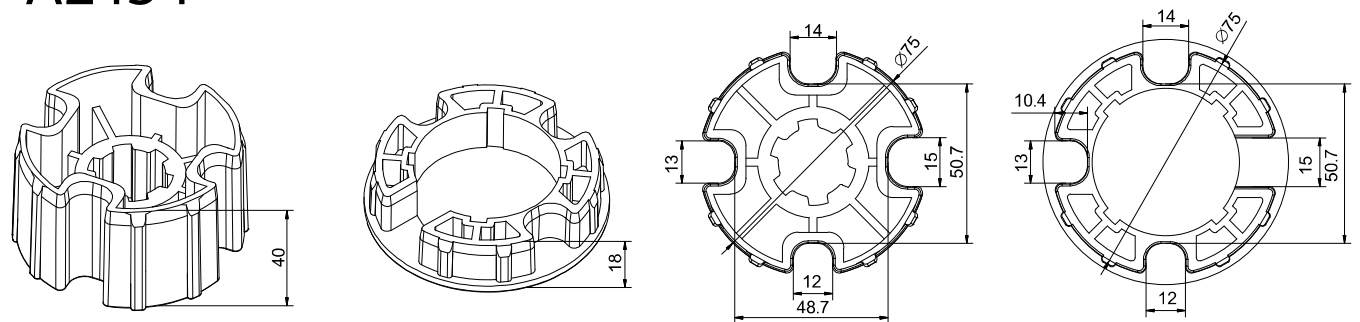


Crown & Drive Adapters

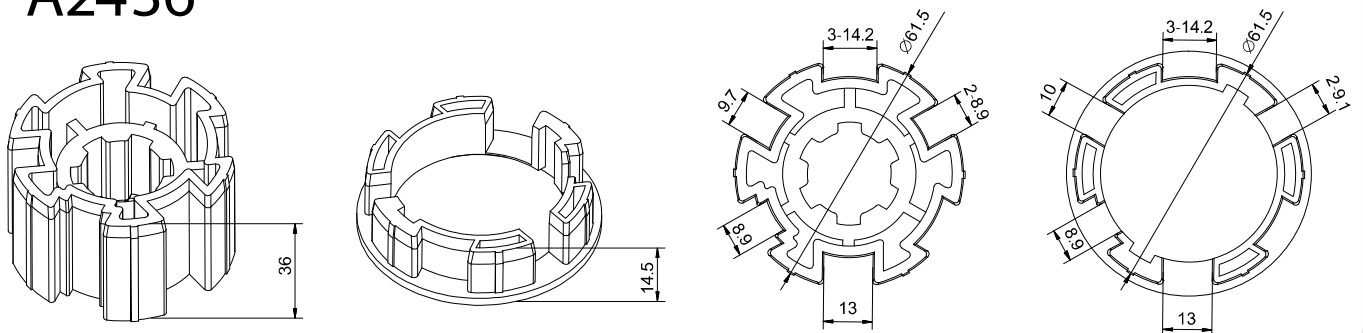
A2429



A2434

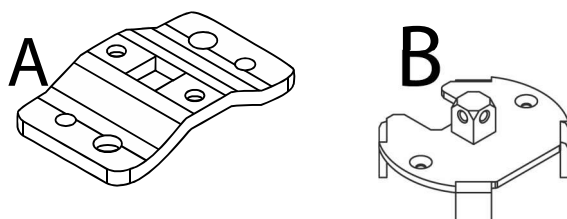


A2436



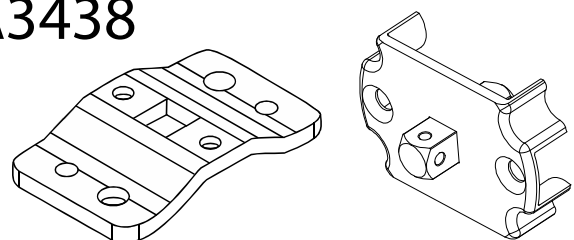
Brackets

A3005



Block and Pin style bracket
Available galvanised or in stainless steel

A3438



Motor bracket and mounting plate
for star head motor only.

Folding Arm Motor Guide

The RED **80+Nm** listings in the 70mm tube section below indicates that this motor is incompatible with a 70mm tube, due to its physical size.

70MM TUBE

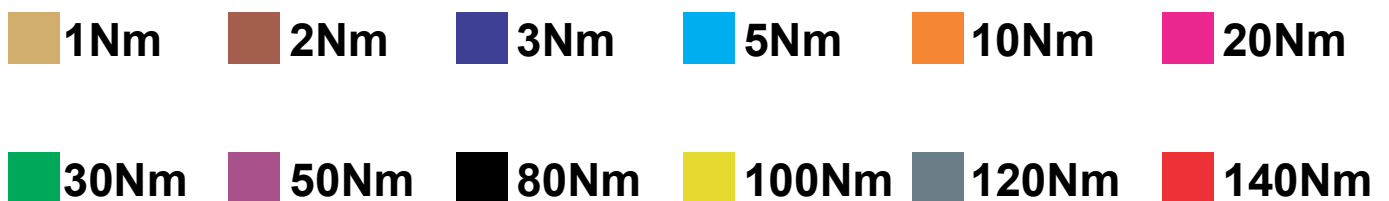
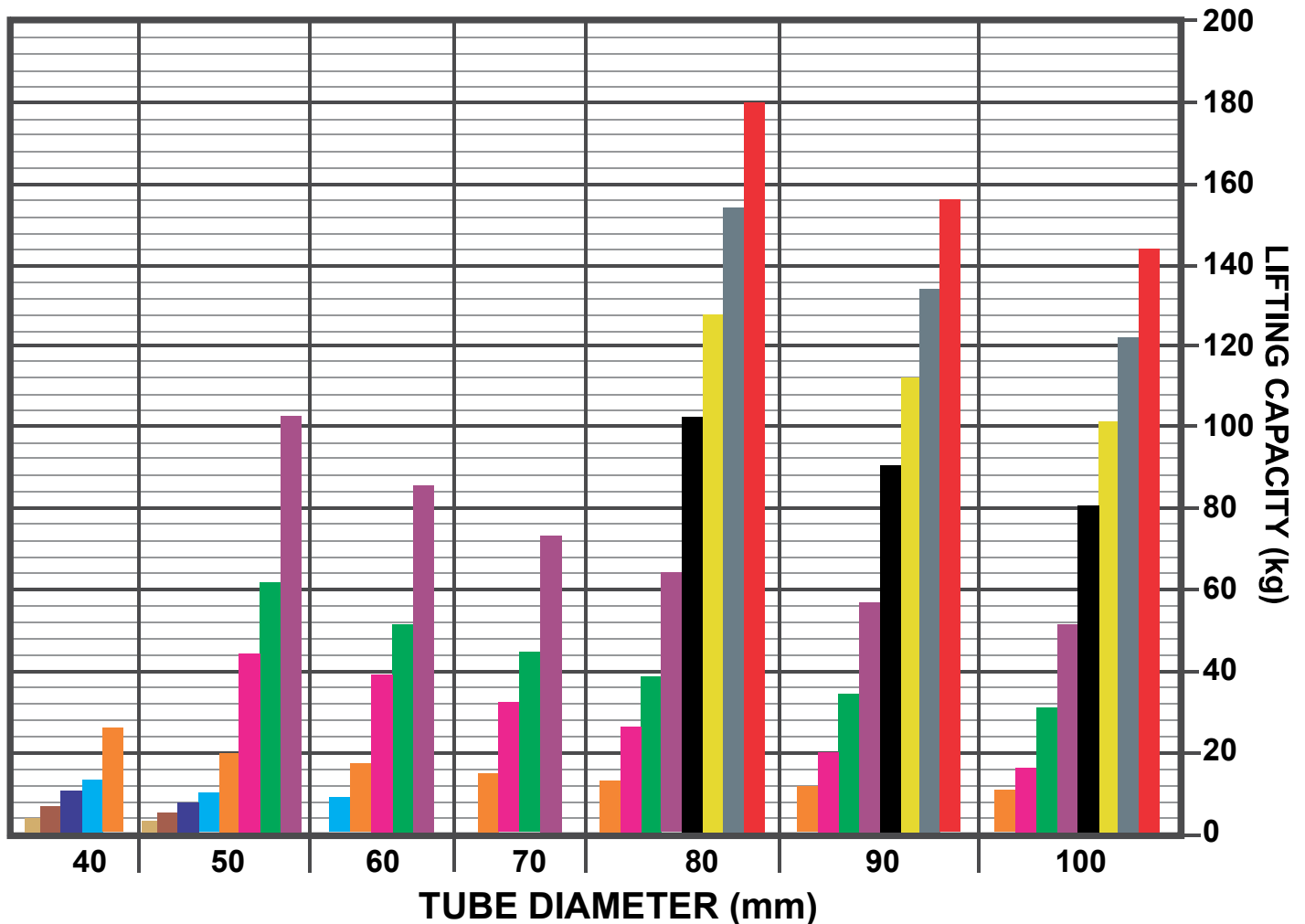
NUMBER OF ARMS	2 ARMS	3 ARMS	4 ARMS
UP TO 1.5M PROJECTION	30Nm	30Nm	50Nm
UP TO 2.0M PROJECTION	30Nm	50Nm	50Nm
UP TO 2.5M PROJECTION	30Nm	50Nm	80+Nm
UP TO 3.0M PROJECTION	50Nm	50Nm	80+Nm
UP TO 3.5M PROJECTION	50Nm	80+Nm	80+Nm
UP TO 4.0M PROJECTION	50Nm	80+Nm	80+Nm

78MM TUBE

NUMBER OF ARMS	2 ARMS	3 ARMS	4 ARMS
UP TO 1.5M PROJECTION	30Nm	50Nm	50Nm
UP TO 2.0M PROJECTION	30Nm	50Nm	80+Nm
UP TO 2.5M PROJECTION	50Nm	50Nm	80+Nm
UP TO 3.0M PROJECTION	50Nm	50Nm	80+Nm
UP TO 3.5M PROJECTION	50Nm	80+Nm	80+Nm
UP TO 4.0M PROJECTION	50Nm	80+Nm	80+Nm

Motor Lifting Chart

FOR ZIPS AND SIDE CHANNEL SYSTEMS



To use this chart, simply find your tube size at the bottom of the chart, find the colour that matches the capacity of your motor and check against the weights on the right side.



Cables & Chargers

ALDC 5V 2Amp LED Charger

5 volt USB-C charger with 3m cable
for external WSERD50-B motor



USB-C CP 1.5m

external charging port



MOTORISATION MADE EASY

AUSTRALIA / NEW ZEALAND / USA / CANADA

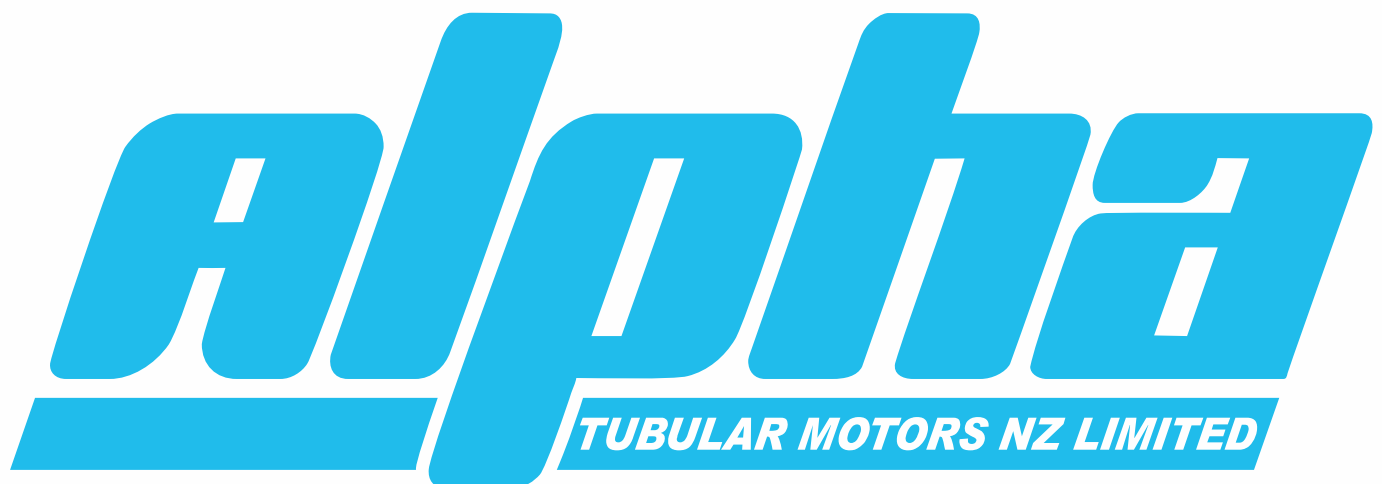


Unit 108 12 Pioneer Avenue

Tuggerah Business Park NSW 2259 Australia

Phone: +61 2 4355 4775

sales@alphamotors.co.nz www.alphamotors.com.au



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