

# ANDERSEN®

STAINLESS STEEL WINCHES

|           |                                                 |
|-----------|-------------------------------------------------|
| 240       | Winch Selection Guide                           |
| 241       | Features & Information                          |
| 242       | Winch Range Overview                            |
| 243       | Manual Self-Tailing Winches                     |
| 244       | Special Finishes                                |
| 245 - 247 | E1 Electric Winches                             |
| 249 - 251 | Two Speed Electric Winches                      |
| 253 - 257 | Compact Motor,™ Variable Speed Electric Winches |
| 258 - 259 | Hydraulic Winches                               |
| 260 - 261 | Classic Winches                                 |
| 262 - 264 | Winch Handles & Accessories                     |
| 265       | Winch Service Kits                              |





# Winch Selection

Choose your Andersen winches to suit the type and size of your yacht, and your sailing requirements. This selection guide is intended for masthead rigged monohull yachts of medium displacement. Refer to the notes to the right of this page regarding other rig or displacement types.

Please note that this table lists typical winch sizing for the given applications, but cannot take into account all variables due to the wide variety of sailing vessels and conditions.

For electric or hydraulic winches, the size selection is generally similar to that of a manually operated winch.

For further details see our website at [www.andersenwinches.com](http://www.andersenwinches.com) or consult your local Andersen winches representative for assistance in selecting your winches and information on features, options and installation.

## Masthead Rigged

Use the length overall (LOA) figures as your primary selection criteria.

## Fractional Rigged

Refer primarily to the sail area, rather than LOA.

## Heavy Displacement

For boats with heavy displacement and/or a high righting moment, it is advisable to choose a winch larger than those indicated in the table.

## Multihulls

Catamarans and trimarans have higher righting moments than monohulls of the same size, and should use winches larger than those indicated in the table.

| LOA (Metres)<br>LOA (Feet)                             | 7.6 - 8.5<br>25 - 28 | 8.8 - 9.8<br>29 - 32 | 10.1 - 10.7<br>33 - 35 | 11.0 - 11.9<br>36 - 39 | 12.2 - 13.1<br>40 - 43 | 13.4 - 14.6<br>44 - 48 | 14.9 - 16.5<br>49 - 54 | 16.8 - 18.6<br>55 - 61 | 18.9 - 21.6<br>62 - 71 | 21.9 - 24.4<br>72 - 80 | 24.4+<br>80+ |
|--------------------------------------------------------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------|
| Genoa Sail Area (m <sup>2</sup> /ft <sup>2</sup> )     | 28/300               | 33/3503              | 44/470                 | 52/560                 | 72/770                 | 82/880                 | 120/1300               | 170/1800               | 200/2100               | 250/2700               | -            |
| Spinnaker Sail Area (m <sup>2</sup> /ft <sup>2</sup> ) | 38/410               | 56/600               | 74/800                 | 111/1200               | 150/1600               | 185/2000               | 260/2800               | 345/3700               | 420/4500               | 500/5400               | -            |
| Main Sail Area (m <sup>2</sup> /ft <sup>2</sup> )      | 14/150               | 20/210               | 24/260                 | 30/320                 | 40/430                 | 46/470                 | 70/750                 | 88/950                 | 102/1100               | 121/1300               | -            |
| APPLICATION                                            |                      |                      |                        |                        |                        |                        |                        |                        |                        |                        |              |
| RECOMMENDED WINCH SIZE                                 |                      |                      |                        |                        |                        |                        |                        |                        |                        |                        |              |
| Genoa Sheet                                            | 12/16/18             | 28/34/40             | 40                     | 46/50                  | 50/52                  | 58/62                  | 62/68                  | 68/72                  | 72/78                  | 78/110                 | 110          |
| Spinnaker Sheet                                        | 10/12                | 16/18                | 18/28                  | 28/34/40               | 40/46                  | 46/50/52               | 52/58                  | 58/62/68               | 68/72/78               | 78                     | 110          |
| Main Sheet                                             | 10                   | 12                   | 18/28                  | 18/28                  | 34/40                  | 46/50                  | 52                     | 52/58                  | 58/62/68               | 68/72/78               | 78           |
| Genoa Halyard                                          | 10/12                | 12/18                | 18/28                  | 34/40                  | 40/46                  | 46/50                  | 52                     | 52/58/62               | 58/62                  | 72/78                  | 78           |
| Spinnaker Halyard                                      | 10                   | 12                   | 12/18                  | 18/28                  | 40                     | 46                     | 46/50/52               | 52/58                  | 58/62                  | 68/72                  | 78           |
| Main Halyard                                           | 10                   | 12                   | 12/18                  | 28/34/40               | 40                     | 40/46                  | 46/50/52               | 52/58                  | 58/62                  | 68/72/78               | 78           |
| Reef Line                                              | 10                   | 10                   | 10                     | 12/18                  | 18/28                  | 34/40                  | 40/46                  | 46/50/52               | 52/58                  | 58/62                  | 68           |

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# Experience Andersen Winches

Precision. Reliability. Performance

## Enduring Strength, Everlasting Finish

Every Andersen winch is made with the care and craftsmanship that come from more than fifty years of experience. Andersen winches are built to last, to retain their exceptional finish and to deliver season after season of reliable performance and sailing pleasure to their owner through the years.

## Materials

Andersen winch drums are produced from grade 316L stainless steel, cold formed in stages during manufacture to further increase strength and hardness as it takes its final form. The resulting construction is lightweight, yet stiff and unyielding.

Drive shafts are in grade 329 duplex stainless steel. Pawls are cut from a cold pressed profile in grade 316 stainless steel and are virtually unbreakable.

The upper centre stems of Andersen winches are manufactured from aluminium bronze for ultimate durability. The combination of materials and design contribute to a lightweight, rigid final assembly that enhances the mechanical efficiency of the winch. Andersen winches are of similar weight to winches with aluminium drums, but are far more durable.

## Features

Andersen winch drums incorporate the distinctive Power Rib™ which ensures a controlled grip on the line at all times, whether trimming or easing. The highly polished stainless steel surface minimises vertical friction and allows the loaded rope turns to slide easily upward as the drum rotates, without the shuddering and excessive rope wear seen on winches that rely on a rough surface finish for grip.

Stainless steel roller bearings and ball bearings carry the highest drum loads to the centre stem of the winch, minimising efficiency losses due to friction.

The self tailing arm can be rotated through 360 degrees for optimum positioning (40ST and larger). Stainless steel self tailing jaws adjust automatically to suit various rope sizes.

Andersen winches are designed for simple, straightforward installation and maintenance. Servicing is only required every two years or so under normal use.





# Self-Tailing Winch Range

| WINCH TYPE                            | MODEL<br>MANUAL SPEEDS                                                              | 12 ST<br>1 | 18 ST<br>1 | 28 ST<br>2 | 34 ST<br>2 | 40 ST<br>2 | 46 ST<br>2 | 50 ST<br>2 | 52 ST<br>2 | 58 ST<br>2 | 62 ST<br>2 | 68 ST<br>2      | 72 ST<br>2      | 78 ST<br>2      | 110 ST<br>2     |
|---------------------------------------|-------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------|-----------------|-----------------|-----------------|
| <b>Manual</b>                         |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| Self-Tailing                          |    | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓               | ✓               | ✓               | ✓               |
| <b>Electric*</b>                      |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| E1 Single Speed                       |    |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓               | ✓               |                 |                 |
| Two Speed                             |    |            |            |            |            |            |            |            |            |            |            |                 |                 | ✓<br>(24V only) | ✓<br>(24V only) |
| <b>Compact Motor™ Electric*1</b>      |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| Variable Speed Above Deck             |   |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |                 |                 |
| Variable Speed Below Deck             |  |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |                 |                 |
| <b>Hydraulic</b>                      |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| Single Speed                          |  |            |            |            |            |            |            |            | ✓          | ✓          | ✓          | ✓               | ✓               |                 |                 |
| Two Speed                             |  |            |            |            |            |            |            |            |            |            |            |                 |                 | ✓               | ✓               |
| <b>Electric Conversion Kit*1</b>      |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| E1 Single Speed                       |  |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓               | ✓               |                 |                 |
| Two Speed                             |  |            |            |            |            |            |            |            |            |            |            |                 |                 | ✓<br>(24V only) | ✓<br>(24V only) |
| <b>Compact Motor™ Conversion Kit*</b> |                                                                                     |            |            |            |            |            |            |            |            |            |            |                 |                 |                 |                 |
| Variable Speed Above Deck             |  |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |                 |                 |
| Variable Speed Below Deck             |  |            |            | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓          | ✓ <sup>*2</sup> | ✓ <sup>*2</sup> |                 |                 |

\*1 Available in 12V or 24V unless specified otherwise.

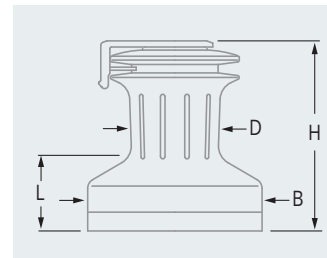
\*2 Sizes 68ST & 72ST Compact Motor™ electric winches have low range and high range variable speed control, via the two included push buttons.

Note: This chart shows available options for Full Stainless winches only.





\*Black Trim models available up to 52ST



| PRODUCT No.   | WINCH MODEL | GEAR RATIO<br>1ST SPEED | GEAR RATIO<br>2ND SPEED | POWER RATIO<br>1ST SPEED | POWER RATIO<br>2ND SPEED | LINE SIZE<br>mm | DRUM<br>"D"<br>mm | BASE<br>"B"<br>mm | HEIGHT<br>"H"<br>mm | LINE ENTRY<br>"L"<br>mm | WEIGHT<br>kg |
|---------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-----------------|-------------------|-------------------|---------------------|-------------------------|--------------|
| RA2012010000* | 12 ST       | 1.3 : 1                 | -                       | 9.5 : 1                  | -                        | 8 - 14          | 70                | 115               | 127                 | 44                      | 2.6          |
| RA2018010000* | 18 ST       | 2.6 : 1                 | -                       | 18.8 : 1                 | -                        | 8 - 14          | 70                | 120               | 133                 | 50                      | 3.2          |
| RA2028010000* | 28 ST       | 1.3 : 1                 | 4.0 : 1                 | 9.5 : 1                  | 28.6 : 1                 | 8 - 14          | 70                | 125               | 147                 | 65                      | 3.9          |
| RA2034010000* | 34 ST       | 1.3 : 1                 | 4.7 : 1                 | 9.5 : 1                  | 33.8 : 1                 | 8 - 14          | 70                | 125               | 147                 | 65                      | 4.1          |
| RA2040010000* | 40 ST       | 1.3 : 1                 | 6.0 : 1                 | 8.9 : 1                  | 40.0 : 1                 | 8 - 14          | 75                | 152               | 172                 | 71                      | 4.9          |
| RA2046010000* | 46 ST       | 2.8 : 1                 | 8.4 : 1                 | 15.7 : 1                 | 47.1 : 1                 | 8 - 14          | 89                | 180               | 202                 | 90                      | 7.8          |
| RA2050010000* | 50 ST       | 2.8 : 1                 | 8.8 : 1                 | 15.7 : 1                 | 49.3 : 1                 | 8 - 14          | 89                | 180               | 202                 | 90                      | 7.8          |
| RA2052010000* | 52 ST       | 3.2 : 1                 | 10.5 : 1                | 16.2 : 1                 | 52.5 : 1                 | 8 - 16          | 100               | 200               | 220                 | 106                     | 10.3         |
| RA2058010000  | 58 ST       | 3.7 : 1                 | 13.1 : 1                | 16.0 : 1                 | 57.1 : 1                 | 8 - 18          | 115               | 230               | 251                 | 111                     | 16.0         |
| RA2062010000  | 62 ST       | 3.7 : 1                 | 14.4 : 1                | 16.0 : 1                 | 62.6 : 1                 | 8 - 18          | 115               | 230               | 251                 | 111                     | 16.0         |
| RA2068010000  | 68 ST       | 5.8 : 1                 | 18.8 : 1                | 20.7 : 1                 | 67.1 : 1                 | 10 - 18         | 140               | 280               | 273                 | 120                     | 24.5         |
| RA2072010000  | 72 ST       | 5.8 : 1                 | 20.3 : 1                | 20.7 : 1                 | 72.6 : 1                 | 10 - 18         | 140               | 280               | 273                 | 120                     | 24.5         |
| RA2078010000  | 78 ST       | 7.0 : 1                 | 26.7 : 1                | 20.6 : 1                 | 78.4 : 1                 | 16 - 22         | 170               | 320               | 368                 | 170                     | 49.0         |
| RA2110010000  | 110 ST      | 10.2 : 1                | 56.1 : 1                | 20.3 : 1                 | 112.2 : 1                | 16 - 25         | 250               | 395               | 419                 | 170                     | 72.5         |

| PRODUCT No.   | WINCH MODEL | GEAR RATIO<br>1ST SPEED | GEAR RATIO<br>2ND SPEED | POWER RATIO<br>1ST SPEED | POWER RATIO<br>2ND SPEED | LINE SIZE<br>in | DRUM<br>"D"<br>in | BASE<br>"B"<br>in | HEIGHT<br>"H"<br>in | LINE ENTRY<br>"L"<br>in | WEIGHT<br>lb |
|---------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-----------------|-------------------|-------------------|---------------------|-------------------------|--------------|
| RA2012010000* | 12 ST       | 1.3 : 1                 | -                       | 9.5 : 1                  | -                        | 5/16 - 9/16     | 2 3/4             | 4 1/2             | 5                   | 1 3/4                   | 5.7          |
| RA2018010000* | 18 ST       | 2.6 : 1                 | -                       | 18.8 : 1                 | -                        | 5/16 - 9/16     | 2 3/4             | 4 3/4             | 5 1/4               | 1 15/16                 | 7.0          |
| RA2028010000* | 28 ST       | 1.3 : 1                 | 4.0 : 1                 | 9.5 : 1                  | 28.6 : 1                 | 5/16 - 9/16     | 2 3/4             | 4 15/16           | 5 13/16             | 2 9/16                  | 8.6          |
| RA2034010000* | 34 ST       | 1.3 : 1                 | 4.7 : 1                 | 9.5 : 1                  | 33.8 : 1                 | 5/16 - 9/16     | 2 3/4             | 4 15/16           | 5 13/16             | 2 9/16                  | 9.0          |
| RA2040010000* | 40 ST       | 1.3 : 1                 | 6.0 : 1                 | 8.9 : 1                  | 40.0 : 1                 | 5/16 - 9/16     | 2 15/16           | 6                 | 6 13/16             | 2 13/16                 | 10.8         |
| RA2046010000* | 46 ST       | 2.8 : 1                 | 8.4 : 1                 | 15.7 : 1                 | 47.1 : 1                 | 5/16 - 9/16     | 3 1/2             | 7 1/16            | 7 15/16             | 3 9/16                  | 17.2         |
| RA2050010000* | 50 ST       | 2.8 : 1                 | 8.8 : 1                 | 15.7 : 1                 | 49.3 : 1                 | 5/16 - 9/16     | 3 1/2             | 7 1/16            | 7 15/16             | 3 9/16                  | 17.2         |
| RA2052010000* | 52 ST       | 3.2 : 1                 | 10.5 : 1                | 16.2 : 1                 | 52.5 : 1                 | 5/16 - 5/8      | 3 15/16           | 7 7/8             | 8 11/16             | 4 3/16                  | 22.7         |
| RA2058010000  | 58 ST       | 3.7 : 1                 | 13.1 : 1                | 16.0 : 1                 | 57.1 : 1                 | 5/16 - 5/8      | 4 1/2             | 9 1/16            | 9 7/8               | 4 3/8                   | 35.3         |
| RA2062010000  | 62 ST       | 3.7 : 1                 | 14.4 : 1                | 16.0 : 1                 | 62.6 : 1                 | 5/16 - 5/8      | 4 1/2             | 9 1/16            | 9 7/8               | 4 3/8                   | 35.3         |
| RA2068010000  | 68 ST       | 5.8 : 1                 | 18.8 : 1                | 20.7 : 1                 | 67.1 : 1                 | 3/8 - 5/8       | 5 1/2             | 11                | 10 3/4              | 4 3/4                   | 54.0         |
| RA2072010000  | 72 ST       | 5.8 : 1                 | 20.3 : 1                | 20.7 : 1                 | 72.6 : 1                 | 3/8 - 5/8       | 5 1/2             | 11                | 10 3/4              | 4 3/4                   | 54.0         |
| RA2078010000  | 78 ST       | 7.0 : 1                 | 26.7 : 1                | 20.6 : 1                 | 78.4 : 1                 | 5/8 - 7/8       | 6 11/16           | 12 5/8            | 14 1/2              | 6 11/16                 | 108.0        |
| RA2110010000  | 110 ST      | 10.2 : 1                | 56.1 : 1                | 20.3 : 1                 | 112.2 : 1                | 5/8 - 1         | 9 13/16           | 15 9/16           | 16 1/2              | 6 11/16                 | 159.8        |

\*Also available in Black Trim model as RA20xx00xxxx.

## Special Finishes

Hand polished stainless steel has long been the signature finish for Andersen winches. They are also available in a selection of other high quality special finishes:

### PVD Coating

An extremely durable coating process known as Physical Vapour Deposition that can be used to apply a black or bronze coloured finish to the stainless steel components of our winches. It is a high quality, permanent finish with excellent impact and abrasion resistance.

### ZT Finish

A surface finish for stainless steel obtained by hand polishing the surface, and then blasting the metal with a finishing media. The ZT finish is often described as "gun metal grey" or "titanium look".





# Empowered Sailing

Andersen E1 electric winches allow you to hoist and trim sails at the push of a button regardless of physical strength, so any crew member can easily and safely trim sails and control lines. Perfect for enjoying sailing short-handed or with friends and family. In addition to the host of standard features that make Andersen self-tailing winches the benchmark for quality and performance, Andersen E1 electric winches are engineered with unsurpassed levels of functionality, monitoring and protection.

## Ease of installation

Contactors and controller are contained within the motor unit, so no separate control box is necessary. Simplified electrical installation requires just the connection of positive and negative power cables to the motor terminals and the connection of the push button using the included output cable.

Marine grade circuit breakers are also available for protection and isolation.

## Efficient, high quality motor

At the heart of the E1 electric winch is a high quality European engineered and manufactured series wound motor. Carefully matched with the optimum gearbox these winches deliver high speed at low load for fast sheeting in, and low speed at high load for safe, fine tuning when trimming. They are available in 12 volt and 24 volt models providing smooth and quiet operation across a wide working load range.

## Illuminated "intelligent" push button

E1 winches are supplied with a push button with an integrated LED which illuminates when power to the winch system is on. The push button incorporates a hinged safety cover to prevent inadvertent winch operation and is water resistant rated to IP67. The push button also acts with the controller to flash status codes that assist with troubleshooting in the event of overload or where other system protection intervention occurs. A cable for connection of the push button is included for convenient installation.

## Unrivalled monitoring and protection

- **Integrated overload protection** – The controller is pre-set to stop the winch if the maximum pull load is exceeded. Operation can resume within a few seconds when the load returns below the limit.
- **Thermal overload protection** – The motor is fitted with a thermal cutout that disables the motor in case of overheating; it automatically resets after the temperature returns to normal.
- **Reverse polarity protection** – An integrated 5 amp fuse protects the motor against incorrect cable connection.
- **Accidental start protection** – Winch operation is disabled if the push button is already inadvertently pressed when the power supply is turned on at the circuit breaker or battery.
- **Low voltage detection** – Operation is disabled if the battery charge level is low, which prevents further drain on batteries and avoids triggering low voltage reset of navigation instruments and other electronic devices.
- **Continuous run time limit** – Operation is disabled if continuous run time exceeds 10 minutes.

## Manual operation

Two speed manual operation is always available as a backup.





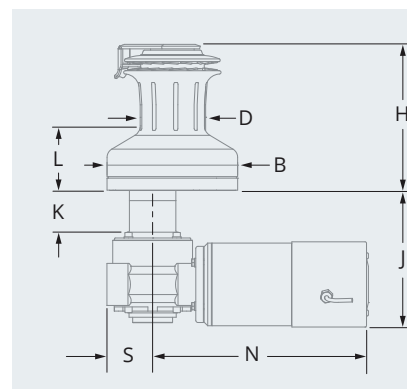
E1 electric motor conversion kits also available



\*Black Trim models available up to 52ST



Included with all E1 electric winches:  
• 1 x RA582000 push button  
• 1200mm (47") input/output cable from the motor



| WINCH MODEL | LINE SIZE<br>mm | DRUM "D"<br>mm | BASE "B"<br>mm | HEIGHT "H"<br>mm | LINE<br>ENTRY "L"<br>mm | MAX.<br>DECK "K"<br>mm* | MOTOR<br>DEPTH "J"<br>mm | GEAR<br>LENGTH "S"<br>mm | MOTOR<br>LENGTH "N"<br>mm | WEIGHT<br>kg |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------|
| 28 ST       | 8 - 14          | 70             | 125            | 157              | 75                      | 49                      | 183                      | 65                       | 300                       | 18           |
| 34 ST       | 8 - 14          | 70             | 125            | 157              | 75                      | 49                      | 183                      | 65                       | 300                       | 18           |
| 40 ST       | 8 - 14          | 75             | 152            | 180              | 79                      | 49                      | 183                      | 65                       | 300                       | 19           |
| 46 ST       | 8 - 14          | 89             | 181            | 202              | 90                      | 57                      | 191                      | 65                       | 300                       | 21           |
| 50 ST       | 8 - 14          | 89             | 181            | 202              | 90                      | 57                      | 191                      | 65                       | 300                       | 21           |
| 52 ST       | 8 - 16          | 100            | 200            | 220              | 106                     | 57                      | 196                      | 65                       | 350                       | 28           |
| 58 ST       | 8 - 18          | 115            | 230            | 261              | 122                     | 41                      | 213                      | 75                       | 384                       | 35           |
| 62 ST       | 8 - 18          | 115            | 230            | 261              | 122                     | 41                      | 213                      | 75                       | 384                       | 35           |
| 68 ST       | 10 - 18         | 142            | 280            | 283              | 129                     | 41                      | 213                      | 75                       | 384                       | 42           |
| 72 ST       | 10 - 18         | 142            | 280            | 283              | 129                     | 41                      | 213                      | 75                       | 384                       | 42           |

| WINCH MODEL | LINE SIZE<br>in | DRUM "D"<br>in | BASE "B"<br>in | HEIGHT "H"<br>in | LINE<br>ENTRY "L"<br>in | MAX.<br>DECK "K"<br>in* | MOTOR<br>DEPTH "J"<br>in | GEAR<br>LENGTH "S"<br>in | MOTOR<br>LENGTH "N"<br>in | WEIGHT<br>lb |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------|
| 28 ST       | 5/16 - 9/16     | 2 3/4          | 4 15/16        | 6 3/16           | 2 15/16                 | 1 15/16                 | 7 3/16                   | 2 9/16                   | 11 13/16                  | 39.7         |
| 34 ST       | 5/16 - 9/16     | 2 3/4          | 4 15/16        | 6 3/16           | 2 15/16                 | 1 15/16                 | 7 3/16                   | 2 9/16                   | 11 13/16                  | 39.7         |
| 40 ST       | 5/16 - 9/16     | 2 15/16        | 6              | 7 1/16           | 3 1/8                   | 1 15/16                 | 7 3/16                   | 2 9/16                   | 11 13/16                  | 41.9         |
| 46 ST       | 5/16 - 9/16     | 3 1/2          | 7 1/8          | 7 15/16          | 3 9/16                  | 2 1/4                   | 7 1/2                    | 2 9/16                   | 11 13/16                  | 46.3         |
| 50 ST       | 5/16 - 9/16     | 3 1/2          | 7 1/8          | 7 15/16          | 3 9/16                  | 2 1/4                   | 7 1/2                    | 2 9/16                   | 11 13/16                  | 46.3         |
| 52 ST       | 5/16 - 5/8      | 3 15/16        | 7 7/8          | 8 11/16          | 4 3/16                  | 2 1/4                   | 7 1/2                    | 2 9/16                   | 13 13/16                  | 61.7         |
| 58 ST       | 5/16 - 5/8      | 4 1/2          | 9 1/16         | 10 1/4           | 4 13/16                 | 1 5/8                   | 8 3/8                    | 2 15/16                  | 15 1/8                    | 77.1         |
| 62 ST       | 5/16 - 5/8      | 4 1/2          | 9 1/16         | 10 1/4           | 4 13/16                 | 1 5/8                   | 8 3/8                    | 2 15/16                  | 15 1/8                    | 77.1         |
| 68 ST       | 13/32 - 5/8     | 5 5/8          | 11             | 11 3/16          | 5 1/16                  | 1 5/8                   | 8 3/8                    | 2 15/16                  | 15 1/8                    | 92.6         |
| 72 ST       | 13/32 - 5/8     | 5 5/8          | 11             | 11 3/16          | 5 1/16                  | 1 5/8                   | 8 3/8                    | 2 15/16                  | 15 1/8                    | 92.6         |

\* Extensions available to suit longer "K" dimensions.



## Winches & Conversion Kits



| WINCH MODEL                          | E1 Full Stainless Winches |              | E1 Black Trim Winches |              | E1 Winch Conversion Kits |              |
|--------------------------------------|---------------------------|--------------|-----------------------|--------------|--------------------------|--------------|
|                                      | 12V                       | 24V          | 12V                   | 24V          | 12V                      | 24V          |
| <b>Winches &amp; Conversion Kits</b> |                           |              |                       |              |                          |              |
| 28 ST                                | RA2028011300              | RA2028011400 | RA2028001300          | RA2028001400 | RA2028211300             | RA2028211400 |
| 34 ST                                | RA2034011300              | RA2034011400 | RA2034001300          | RA2034001400 | RA2034211300             | RA2034211400 |
| 40 ST                                | RA2040011300              | RA2040011400 | RA2040001300          | RA2040001400 | RA2040211300             | RA2040211400 |
| 46 ST                                | RA2046011300              | RA2046011400 | RA2046001300          | RA2046001400 | RA2046211300             | RA2046211400 |
| 50 ST                                | RA2050011300              | RA2050011400 | RA2050001300          | RA2050001400 | RA2050211300             | RA2050211400 |
| 52 ST                                | RA2052011300              | RA2052011400 | RA2052001300          | RA2052001400 | RA2052211300             | RA2052211400 |
| 58 ST                                | RA2058011300              | RA2058011400 | -                     | -            | RA2058211300             | RA2058211400 |
| 62 ST                                | RA2062011300              | RA2062011400 | -                     | -            | RA2062211300             | RA2062211400 |
| 68 ST                                | RA2068011300              | RA2068011400 | -                     | -            | RA2068211300             | RA2068211400 |
| 72 ST                                | RA2072011300              | RA2072011400 | -                     | -            | RA2072211300             | RA2072211400 |

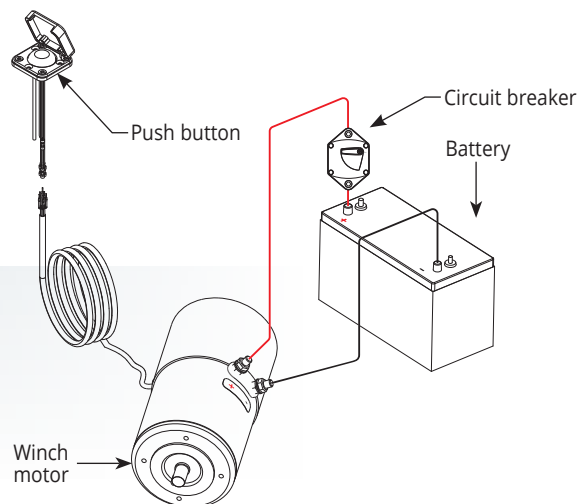
## Push Buttons



| PRODUCT No.         | DESCRIPTION                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Push Buttons</b> |                                                                                                                              |
| RA582000            | Push button on/off switch, LED, plastic hinged cover, incl. 500mm (19 5/8") cable with connectors                            |
| RA582010            | Push button on/off switch, LED, stainless steel hinged cover, incl. 500mm (19 5/8") cable with connectors                    |
| RA582020            | Push button on/off switch, LED, stainless steel hinged cover with finger access, incl. 500mm (19 5/8") cable with connectors |

✓ Rubber gasket included.

✓ Requires only 25mm (1") clearance below mounting surface.



## Circuit Breakers

| PRODUCT No.      | DESCRIPTION             | Compatible Winch Sizes |                    |
|------------------|-------------------------|------------------------|--------------------|
|                  |                         | 12V                    | 24V                |
| Circuit Breakers |                         |                        |                    |
| RA590070         | Circuit breaker 70 amp  | -                      | 28, 34, 40, 46, 50 |
| RA590120         | Circuit breaker 120 amp | 40                     | 52, 58, 62, 68, 72 |
| RA590150         | Circuit breaker 150 amp | 28, 34, 46, 50         | -                  |
| RA590200         | Circuit breaker 200 amp | 52, 58, 62, 68, 72     | -                  |



- ✓ "Slow blow" type, manual reset
- ✓ On/Off switch capability
- ✓ External ignition protected (ABYC E-11; CE; SAE J1171)
- ✓ Marine weatherproof rated
- ✓ DC power systems only
- ✓ 8mm (5/16") cable terminals (same as E1 motor unit)







## Empowered Sailing

Andersen Two Speed electric winches are the perfect solution for larger boats, of 16m (60ft) or more, providing the power and control to safely hoist and trim sails of any size at the push of a button.

In addition to the host of standard features that make Andersen self-tailing winches the benchmark for quality and performance, Andersen Two Speed electric winches are engineered with unsurpassed levels of performance, monitoring and protection.

### Powerful and efficient, high quality motor

At the heart of the Andersen Two Speed electric winch is a powerful fan-cooled 3500W, European engineered and manufactured series wound motor. Carefully matched with the optimum gearbox these winches deliver high speed at low load for fast sheeting in, and low speed at high load for safe, fine tuning when trimming. For maximum performance and efficiency they are supplied in a 24 volt version, providing smooth operation across a wide working load range.

### Illuminated "intelligent" push buttons

Two Speed electric winches are supplied with push buttons with integrated LED which illuminates when power to the winch system is on. The push buttons incorporate a hinged safety cover to prevent inadvertent winch operation and are water resistant rated to IP67. The push buttons also act with the controller to flash status codes that assist with trouble shooting in the event of overload or where other system protection intervention occurs.

### Manual operation

Two speed manual operation is always available as a backup.

### Unrivalled monitoring and protection

- **Integrated overload protection** – The controller is pre-set to stop the winch if the maximum pull load is exceeded. Operation can resume within a few seconds when the load returns below the limit.
- **Thermal overload protection** – The motor is fitted with a thermal cutout that disables the motor in case of overheating; it automatically resets after the temperature returns to normal.
- **Reverse polarity protection** – An integrated 5 amp fuse protects the controller against incorrect cable connection.
- **Accidental start protection** – Winch operation is disabled if a push button is already inadvertently pressed when the power supply is turned on at the circuit breaker or battery.
- **Low voltage detection** – Operation is disabled if the battery charge level is low, which prevents further drain on batteries and avoids triggering low voltage reset of navigation instruments and other electronic devices.
- **Continuous run time limit** – Operation is disabled if continuous run time exceeds 10 minutes.
- **Stuck relay protection** – Operation is disabled if a relay fails to disengage.



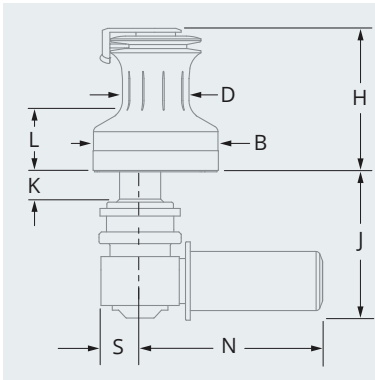


Included with all Two Speed electric winches:

- 2 x RA582000 push buttons
- Control box incorporating controller and contactors  
240 x 191 x 107 mm (9 7/16 x 7 1/2 x 4 1/4")



Two Speed electric motor conversion kits also available



| WINCH MODEL | LINE SIZE<br>mm | DRUM "D"<br>mm | BASE "B"<br>mm | HEIGHT "H"<br>mm | LINE<br>ENTRY "L"<br>mm | MAX.<br>DECK "K"<br>mm* | MOTOR<br>DEPTH "J"<br>mm | GEAR<br>LENGTH "S"<br>mm | MOTOR<br>LENGTH "N"<br>mm | WEIGHT<br>kg |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------|
| 78 ST       | 16 - 22         | 170            | 320            | 368              | 170                     | 70                      | 380                      | 100                      | 470                       | 91           |
| 110 ST      | 16 - 25         | 250            | 395            | 419              | 170                     | 70                      | 380                      | 100                      | 470                       | 136          |

**METRIC DIMENSIONS**

| WINCH MODEL | LINE SIZE<br>in | DRUM "D"<br>in | BASE "B"<br>in | HEIGHT "H"<br>in | LINE<br>ENTRY "L"<br>in | MAX.<br>DECK "K"<br>in* | MOTOR<br>DEPTH "J"<br>in | GEAR<br>LENGTH "S"<br>in | MOTOR<br>LENGTH "N"<br>in | WEIGHT<br>lb |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------|
| 78 ST       | 5/8 - 7/8       | 6 11/16        | 12 19/32       | 14 1/2           | 6 11/16                 | 2 3/4                   | 15                       | 3 15/16                  | 18 1/2                    | 200.6        |
| 110 ST      | 5/8 - 1         | 9 7/8          | 15 9/16        | 16 1/2           | 6 11/16                 | 2 3/4                   | 15                       | 3 15/16                  | 18 1/2                    | 299.3        |

**IMPERIAL DIMENSIONS**

\* Extensions available to suit longer "K" dimensions.



## Winches & Conversion Kits



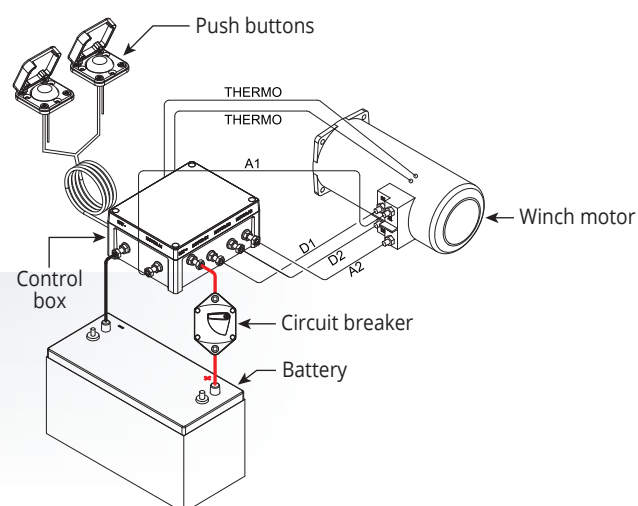
| WINCH MODEL                          | Two Speed Full Stainless Winches 24V | Two Speed Winch Conversion Kits 24V |
|--------------------------------------|--------------------------------------|-------------------------------------|
| <b>Winches &amp; Conversion Kits</b> |                                      |                                     |
| 78 ST                                | RA2078012200                         | RA2078212200                        |
| 110 ST                               | RA2110012200                         | RA2110212200                        |

## Push Buttons



| PRODUCT No.         | DESCRIPTION                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Push Buttons</b> |                                                                                                                            |
| RA582000            | Push button on/off switch, LED, plastic hinged cover, incl. 500mm (19 5/8") cable with connectors                          |
| RA582010            | Push button on/off switch, LED, stainless steel hinged cover, incl. 500mm (19 5/8") cable with connectors                  |
| RA582020            | Push button on/off switch, LED, stainless steel hinged cover with finger hole, incl. 500mm (19 5/8") cable with connectors |

- ✓ Rubber gasket included.
- ✓ Push button requires only 25mm (1") clearance below mounting surface



## Circuit Breakers

| PRODUCT No.             | DESCRIPTION             | Compatible Winch Sizes 24V |
|-------------------------|-------------------------|----------------------------|
| <b>Circuit Breakers</b> |                         |                            |
| RA590150                | Circuit breaker 150 amp | 78 ST                      |
| RA590200                | Circuit breaker 200 amp | 110 ST                     |



- ✓ "Slow blow" type, manual reset
- ✓ On/Off switch capability
- ✓ External ignition protected (ABYC E-11; CE; SAE J1171)
- ✓ Marine weatherproof rated
- ✓ DC power systems only
- ✓ 8mm (5/16") cable terminals







## Empowered Sailing

Andersen Compact Motor™ electric winches allow you to hoist and trim sails at the push of a button regardless of physical strength, so any crew member can easily and safely trim sails and control lines.

### Ease of installation

The Andersen Compact Motor™ electric winch is available in two formats for either Above Deck or Below Deck motor placement. Motor gearbox and controller are integrated into one compact unit with no extra control box necessary. Simplified electrical installation requires just the connection of positive and negative power cables to the motor terminals and the connection of the push button using the included output cable.

### Efficient, variable speed

The Andersen Compact Motor™ is a brushless DC motor carefully matched to a low profile planetary gearbox which requires less space for installation, and draws considerably less current than traditional motor/gearbox configurations. Available in 12 volt and 24 volt models, Compact Motor™ electric winches operate at variable speed in proportion to the pressure applied to the push button, for smooth and quiet operation.

### Illuminated "intelligent" push button

Compact Motor™ winches are supplied with a push button with integrated LED which illuminates when power to the winch system is on. The push button incorporates a hinged safety cover to prevent inadvertent winch operation and is water resistant rated to IP67. The push button also acts with the controller to flash status codes that assist with trouble shooting in the event of overload or where other system protection intervention occurs. A cable for connection of the push button is included for convenient installation.

### Built-in protection

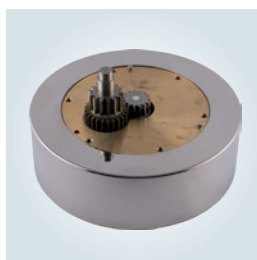
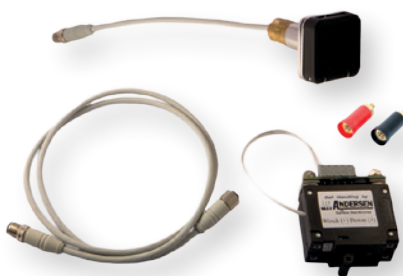
- **Integrated overload protection** – The controller is pre-set to stop the winch if the maximum pull load is exceeded. Operation can resume within a few seconds when the load returns below the limit.
- **Thermal overload protection** – The motor is fitted with a thermal cutout that disables the motor in case of overheating; it automatically resets after the temperature returns to normal.

### Manual operation

Two speed manual operation is always available as a backup; to winch beyond the pre-set maximum pull load (but below the winch MWL) or just for the experience.

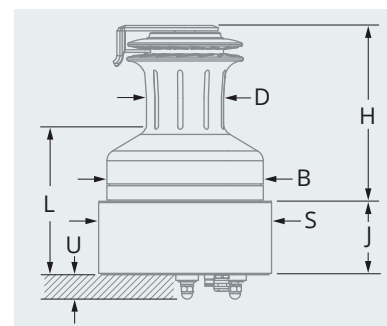


## Compact Motor™ Variable Speed Electric

Above Deck  
Compact Motor™ unit\*2 Black Trim models  
available up to 52ST

Included with all Compact Motor™ electric winches:

- 1\*2 x RA866000 push button with 190mm (7 1/2") control cable
- 1\*2 x RD877610 1m (39") control cable
- 1 x RD877800 terminal extension kit
- Controller with integrated circuit breaker
- Motor has 140mm (5 1/2") control cable included



**IMPORTANT INFORMATION:** Compact Motor™ Above Deck winches and conversion kits are not recommended for mounting on vertical surfaces. Mounting on vertical surfaces (mast, cabin sides, etc.) can expose them to excessive moisture and water ingress, resulting in damage that may not be covered by warranty.

| WINCH MODEL | LINE SIZE<br>mm | DRUM "D"<br>mm | BASE "B"<br>mm | HEIGHT "H"<br>mm | LINE<br>ENTRY "L"<br>mm | MOTOR<br>HEIGHT "J"<br>mm | MOTOR<br>DIAM. "S"<br>mm | MOTOR<br>DEPTH "U"<br>mm*1 | WEIGHT<br>kg |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|---------------------------|--------------------------|----------------------------|--------------|
|-------------|-----------------|----------------|----------------|------------------|-------------------------|---------------------------|--------------------------|----------------------------|--------------|

**METRIC DIMENSIONS**

|       |         |     |     |     |     |    |     |    |    |
|-------|---------|-----|-----|-----|-----|----|-----|----|----|
| 28 ST | 8 - 14  | 70  | 125 | 147 | 150 | 85 | 200 | 28 | 16 |
| 34 ST | 8 - 14  | 70  | 125 | 147 | 150 | 85 | 200 | 28 | 16 |
| 40 ST | 8 - 14  | 75  | 152 | 172 | 155 | 85 | 200 | 28 | 17 |
| 46 ST | 8 - 14  | 89  | 181 | 202 | 175 | 85 | 200 | 28 | 19 |
| 50 ST | 8 - 14  | 89  | 181 | 202 | 175 | 85 | 200 | 28 | 19 |
| 52 ST | 8 - 16  | 100 | 200 | 220 | 190 | 85 | 254 | 28 | 29 |
| 58 ST | 8 - 18  | 115 | 230 | 251 | 198 | 85 | 254 | 28 | 34 |
| 62 ST | 8 - 18  | 115 | 230 | 251 | 198 | 85 | 254 | 28 | 34 |
| 68 ST | 10 - 18 | 142 | 280 | 273 | 208 | 89 | 285 | 27 | 51 |
| 72 ST | 10 - 18 | 142 | 280 | 273 | 208 | 89 | 285 | 27 | 51 |

| WINCH MODEL | LINE SIZE<br>in | DRUM "D"<br>in | BASE "B"<br>in | HEIGHT "H"<br>in | LINE<br>ENTRY "L"<br>in | MOTOR<br>HEIGHT "J"<br>in | MOTOR<br>DIAM. "S"<br>in | MOTOR<br>DEPTH "U"<br>in*1 | WEIGHT<br>lb |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|---------------------------|--------------------------|----------------------------|--------------|
|-------------|-----------------|----------------|----------------|------------------|-------------------------|---------------------------|--------------------------|----------------------------|--------------|

**IMPERIAL DIMENSIONS**

|       |             |         |         |         |         |       |        |        |       |
|-------|-------------|---------|---------|---------|---------|-------|--------|--------|-------|
| 28 ST | 5/16 - 9/16 | 2 3/4   | 4 15/16 | 5 13/16 | 5 15/16 | 3 3/8 | 7 7/8  | 1 1/8  | 35.3  |
| 34 ST | 5/16 - 9/16 | 2 3/4   | 4 15/16 | 5 13/16 | 5 15/16 | 3 3/8 | 7 7/8  | 1 1/8  | 35.3  |
| 40 ST | 5/16 - 9/16 | 2 15/16 | 6       | 6 13/16 | 6 1/8   | 3 3/8 | 7 7/8  | 1 1/8  | 37.5  |
| 46 ST | 5/16 - 9/16 | 3 1/2   | 7 1/8   | 7 15/16 | 6 7/8   | 3 3/8 | 7 7/8  | 1 1/8  | 41.9  |
| 50 ST | 5/16 - 9/16 | 3 1/2   | 7 1/8   | 7 15/16 | 6 7/8   | 3 3/8 | 7 7/8  | 1 1/8  | 41.9  |
| 52 ST | 5/16 - 5/8  | 3 15/16 | 7 7/8   | 8 11/16 | 7 1/2   | 3 3/8 | 10     | 1 1/8  | 63.9  |
| 58 ST | 5/16 - 5/8  | 4 1/2   | 9 1/16  | 9 7/8   | 7 13/16 | 3 3/8 | 10     | 1 1/8  | 75    |
| 62 ST | 5/16 - 5/8  | 4 1/2   | 9 1/16  | 9 7/8   | 7 13/16 | 3 3/8 | 10     | 1 1/8  | 75    |
| 68 ST | 13/32 - 5/8 | 5 5/8   | 11      | 10 3/4  | 8 3/16  | 3 1/2 | 11 1/4 | 1 1/16 | 112.5 |
| 72 ST | 13/32 - 5/8 | 5 5/8   | 11      | 10 3/4  | 8 3/16  | 3 1/2 | 11 1/4 | 1 1/16 | 112.5 |

\*1 All Compact Motor™ Above Deck winches are supplied with 1 set of 41mm (1 5/8") terminal extensions. Additional RD877800 terminal extension kits available to order to suit longer "U" dimensions.

\*2 Sizes 68ST & 72ST Compact Motor™ electric winches are supplied with 2 x RA866000 control buttons and 2 x RD877610 1m (39") control cables.



## Winches & Conversion Kits



| WINCH MODEL                          | Compact Motor™ Above Deck Full Stainless Winches |              | Compact Motor™ Above Deck Black Trim Winches |              | Compact Motor™ Above Deck Winch Conversion Kits |              |
|--------------------------------------|--------------------------------------------------|--------------|----------------------------------------------|--------------|-------------------------------------------------|--------------|
|                                      | 12V                                              | 24V          | 12V                                          | 24V          | 12V                                             | 24V          |
| <b>Winches &amp; Conversion Kits</b> |                                                  |              |                                              |              |                                                 |              |
| 28 ST                                | RA2028015100                                     | RA2028015200 | RA2028005100                                 | RA2028005200 | RA2028215100                                    | RA2028215200 |
| 34 ST                                | RA2034015100                                     | RA2034015200 | RA2034005100                                 | RA2034005200 | RA2034215100                                    | RA2034215200 |
| 40 ST                                | RA2040015100                                     | RA2040015200 | RA2040005100                                 | RA2040005200 | RA2040215100                                    | RA2040215200 |
| 46 ST                                | RA2046015100                                     | RA2046015200 | RA2046005100                                 | RA2046005200 | RA2046215100                                    | RA2046215200 |
| 50 ST                                | RA2050015100                                     | RA2050015200 | RA2050005100                                 | RA2050005200 | RA2050215100                                    | RA2050215200 |
| 52 ST                                | RA2052015100                                     | RA2052015200 | RA2052005100                                 | RA2052005200 | RA2052215100                                    | RA2052215200 |
| 58 ST                                | RA2058015100                                     | RA2058015200 | -                                            | -            | RA2058215100                                    | RA2058215200 |
| 62 ST                                | RA2062015100                                     | RA2062015200 | -                                            | -            | RA2062215100                                    | RA2062215200 |
| 68 ST                                | RA2068015100                                     | RA2068015200 | -                                            | -            | RA2068215100                                    | RA2068215200 |
| 72 ST                                | RA2072015100                                     | RA2072015200 | -                                            | -            | RA2072215100                                    | RA2072215200 |

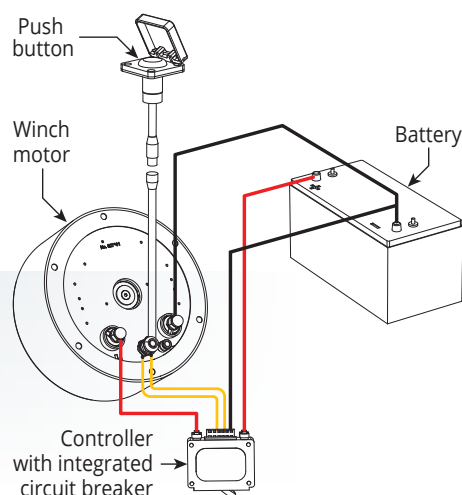
## Push Buttons



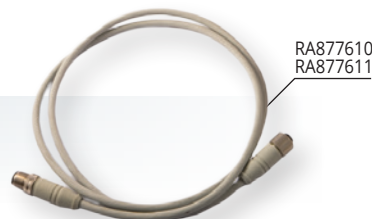
| PRODUCT No.         | DESCRIPTION                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Push Buttons</b> |                                                                                                                             |
| RA866000            | Push button on/off switch, LED, plastic hinged cover, incl. 190mm (7 1/2") cable with connectors                            |
| RA866010            | Push button on/off switch, LED, stainless steel hinged cover, incl. 190mm (7 1/2") cable with connectors                    |
| RA866020            | Push button on/off switch, LED, stainless steel hinged cover with finger access, incl. 190mm (7 1/2") cable with connectors |

✓ Rubber gasket included.

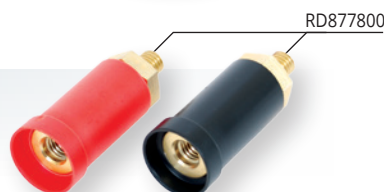
✓ Requires only 25mm (1") clearance below mounting surface.



| PRODUCT No.           | DESCRIPTION                                     |
|-----------------------|-------------------------------------------------|
| <b>Control Cables</b> |                                                 |
| RD877610              | Compact Motor™ control cable 1000mm (39") long  |
| RD877611              | Compact Motor™ control cable 4000mm (157") long |



| PRODUCT No.                      | DESCRIPTION                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------|
| <b>Power Terminal Extensions</b> |                                                                                          |
| RD877800                         | Compact Motor™ power terminal extension set (1 x Red & 1 x Black) 41mm (1 5/8") long, M8 |



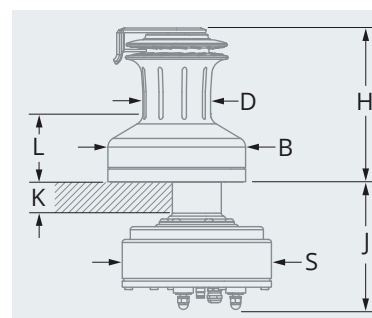
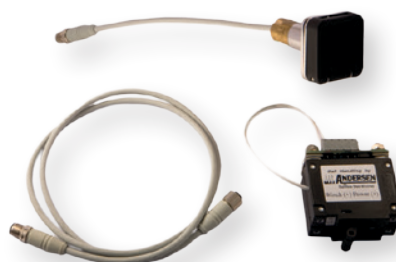
## Compact Motor™ Variable Speed Electric



Below Deck  
Compact Motor™ unit



\*2 Black Trim models  
available up to 52ST



Included with all Compact Motor™ electric winches:

- 1\*2 x RA866000 push button with 190mm (7 1/2") control cable
- 1\*2 x RD877610 1m (39") control cable
- Controller with integrated circuit breaker
- Motor has 140mm (5 1/2") control cable included

| WINCH MODEL | LINE SIZE<br>mm | DRUM "D"<br>mm | BASE "B"<br>mm | HEIGHT "H"<br>mm | LINE<br>ENTRY "L"<br>mm | MAX.<br>DECK "K"<br>mm*1 | MOTOR<br>HEIGHT "J"<br>mm | MOTOR<br>DIAM. "S"<br>mm | WEIGHT<br>kg |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|--------------------------|---------------------------|--------------------------|--------------|
|-------------|-----------------|----------------|----------------|------------------|-------------------------|--------------------------|---------------------------|--------------------------|--------------|

### METRIC DIMENSIONS

|       |         |     |     |     |     |    |     |     |    |
|-------|---------|-----|-----|-----|-----|----|-----|-----|----|
| 28 ST | 8 - 14  | 70  | 125 | 157 | 75  | 50 | 173 | 195 | 17 |
| 34 ST | 8 - 14  | 70  | 125 | 157 | 75  | 50 | 173 | 195 | 17 |
| 40 ST | 8 - 14  | 75  | 152 | 180 | 79  | 50 | 173 | 195 | 18 |
| 46 ST | 8 - 14  | 89  | 181 | 202 | 90  | 57 | 182 | 195 | 21 |
| 50 ST | 8 - 14  | 89  | 181 | 202 | 90  | 57 | 182 | 195 | 21 |
| 52 ST | 8 - 16  | 100 | 200 | 220 | 106 | 56 | 179 | 250 | 30 |
| 58 ST | 8 - 18  | 115 | 230 | 261 | 122 | 44 | 168 | 250 | 36 |
| 62 ST | 8 - 18  | 115 | 230 | 261 | 122 | 44 | 168 | 250 | 36 |
| 68 ST | 10 - 18 | 142 | 280 | 283 | 129 | 47 | 171 | 250 | 45 |
| 72 ST | 10 - 18 | 142 | 280 | 283 | 129 | 47 | 171 | 250 | 45 |

| WINCH MODEL | LINE SIZE<br>in | DRUM "D"<br>in | BASE "B"<br>in | HEIGHT "H"<br>in | LINE<br>ENTRY "L"<br>in | MAX.<br>DECK "K"<br>in*1 | MOTOR<br>HEIGHT "J"<br>in | MOTOR<br>DIAM. "S"<br>in | WEIGHT<br>lb |
|-------------|-----------------|----------------|----------------|------------------|-------------------------|--------------------------|---------------------------|--------------------------|--------------|
|-------------|-----------------|----------------|----------------|------------------|-------------------------|--------------------------|---------------------------|--------------------------|--------------|

### IMPERIAL DIMENSIONS

|       |             |         |         |         |         |        |         |         |      |
|-------|-------------|---------|---------|---------|---------|--------|---------|---------|------|
| 28 ST | 5/16 - 9/16 | 2 3/4   | 4 15/16 | 6 3/16  | 2 15/16 | 2      | 6 13/16 | 7 11/16 | 37.5 |
| 34 ST | 5/16 - 9/16 | 2 3/4   | 4 15/16 | 6 3/16  | 2 15/16 | 2      | 6 13/16 | 7 11/16 | 37.5 |
| 40 ST | 5/16 - 9/16 | 2 15/16 | 6       | 7 1/16  | 3 1/8   | 2      | 6 13/16 | 7 11/16 | 39.7 |
| 46 ST | 5/16 - 9/16 | 3 1/2   | 7 1/8   | 7 15/16 | 3 9/16  | 2 1/4  | 7 3/16  | 7 11/16 | 46.3 |
| 50 ST | 5/16 - 9/16 | 3 1/2   | 7 1/8   | 7 15/16 | 3 9/16  | 2 1/4  | 7 3/16  | 7 11/16 | 46.3 |
| 52 ST | 5/16 - 5/8  | 3 15/16 | 7 7/8   | 8 11/16 | 4 3/16  | 2 3/16 | 7 1/16  | 9 7/8   | 66.2 |
| 58 ST | 5/16 - 5/8  | 4 1/2   | 9 1/16  | 10 1/4  | 4 13/16 | 1 3/4  | 6 5/8   | 9 7/8   | 79.4 |
| 62 ST | 5/16 - 5/8  | 4 1/2   | 9 1/16  | 10 1/4  | 4 13/16 | 1 3/4  | 6 5/8   | 9 7/8   | 79.4 |
| 68 ST | 13/32 - 5/8 | 5 5/8   | 11      | 11 3/16 | 5 1/16  | 1 7/8  | 6 3/4   | 9 7/8   | 99.2 |
| 72 ST | 13/32 - 5/8 | 5 5/8   | 11      | 11 3/16 | 5 1/16  | 1 7/8  | 6 3/4   | 9 7/8   | 99.2 |

\*1 Extensions available to suit longer "K" dimensions.

\*2 Sizes 68ST & 72ST Compact Motor™ electric winches are supplied with 2 x RA866000 control buttons and 2 x RD877610 1m (39") control cables.



## Winches & Conversion Kits



| WINCH MODEL | Compact Motor™ Below Deck<br>Full Stainless Winches |     | Compact Motor™ Below Deck<br>Black Trim Winches |     | Compact Motor™ Below Deck<br>Winch Conversion Kits |     |
|-------------|-----------------------------------------------------|-----|-------------------------------------------------|-----|----------------------------------------------------|-----|
|             | 12V                                                 | 24V | 12V                                             | 24V | 12V                                                | 24V |

### Winches & Conversion Kits

|       |              |              |              |              |              |              |
|-------|--------------|--------------|--------------|--------------|--------------|--------------|
| 28 ST | RA2028014100 | RA2028014200 | RA2028004100 | RA2028004200 | RA2028214100 | RA2028214200 |
| 34 ST | RA2034014100 | RA2034014200 | RA2034004100 | RA2034004200 | RA2034214100 | RA2034214200 |
| 40 ST | RA2040014100 | RA2040014200 | RA2040004100 | RA2040004200 | RA2040214100 | RA2040214200 |
| 46 ST | RA2046014100 | RA2046014200 | RA2046004100 | RA2046004200 | RA2046214100 | RA2046214200 |
| 50 ST | RA2050014100 | RA2050014200 | RA2050004100 | RA2050004200 | RA2050214100 | RA2050214200 |
| 52 ST | RA2052014100 | RA2052014200 | RA2052004100 | RA2052004200 | RA2052214100 | RA2052214200 |
| 58 ST | RA2058014100 | RA2058014200 | -            | -            | RA2058214100 | RA2058214200 |
| 62 ST | RA2062014100 | RA2062014200 | -            | -            | RA2062214100 | RA2062214200 |
| 68 ST | RA2068014100 | RA2068014200 | -            | -            | RA2068214100 | RA2068214200 |
| 72 ST | RA2072014100 | RA2072014200 | -            | -            | RA2072214100 | RA2072214200 |

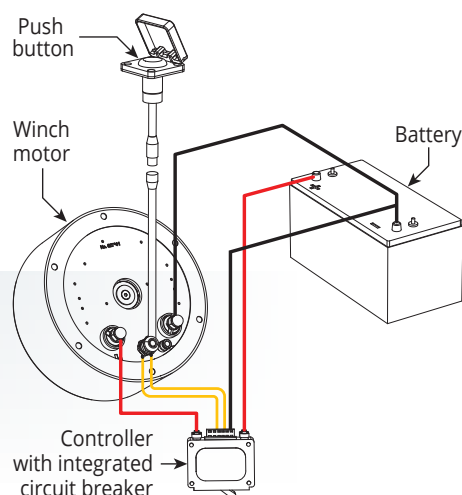
## Push Buttons



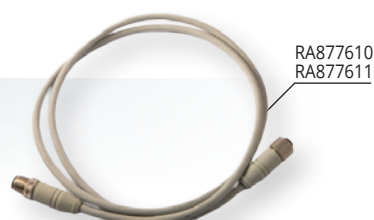
| PRODUCT No.         | DESCRIPTION                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Push Buttons</b> |                                                                                                              |
| RA866000            | Push button on/off switch, LED lit, plastic hinged cover, incl. 190mm (7 1/2") cable with connectors         |
| RA866010            | Push button on/off switch, LED lit, stainless steel hinged cover, incl. 190mm (7 1/2") cable with connectors |

✓ Rubber gasket included.

✓ Requires only 25mm (1") clearance below mounting surface.



| PRODUCT No.           | DESCRIPTION                                     |
|-----------------------|-------------------------------------------------|
| <b>Control Cables</b> |                                                 |
| RD877610              | Compact Motor™ control cable 1000mm (39") long  |
| RD877611              | Compact Motor™ control cable 4000mm (157") long |



## Empowered Sailing

ANDERSEN hydraulic winches can be powered by an appropriately configured power pack which may already be installed on board for various other equipment such as furler or anchor windlass.

Fitted with industry-standard hydraulic motors, our hydraulic winches are compatible with most common types of hydraulic systems found on board today's larger yachts.



| PRODUCT No.  | WINCH MODEL | LINE SIZE mm | DRUM "D" mm | BASE "B" mm | HEIGHT "H" mm | LINE ENTRY "L" mm | MAX. DECK "K" mm*1 | MOTOR DEPTH "J" mm | MOTOR WIDTH "N" mm | WEIGHT kg |
|--------------|-------------|--------------|-------------|-------------|---------------|-------------------|--------------------|--------------------|--------------------|-----------|
| RA2052013100 | 52 ST       | 8 - 16       | 100         | 200         | 220           | 116               | 54                 | 246                | 130                | 23        |
| RA2058013100 | 58 ST       | 8 - 18       | 115         | 230         | 251           | 121               | 54                 | 252                | 130                | 30        |
| RA2062013100 | 62 ST       | 8 - 18       | 115         | 230         | 251           | 121               | 54                 | 252                | 130                | 30        |
| RA2068013100 | 68 ST       | 10 - 18      | 140         | 280         | 273           | 130               | 60                 | 232                | 130                | 41        |
| RA2072013100 | 72 ST       | 10 - 18      | 140         | 280         | 273           | 130               | 60                 | 232                | 130                | 41        |

### METRIC DIMENSIONS

| PRODUCT No.  | WINCH MODEL | LINE SIZE in | DRUM "D" in | BASE "B" in | HEIGHT "H" in | LINE ENTRY "L" in | MAX. DECK "K" in*1 | MOTOR DEPTH "J" in | MOTOR WIDTH "N" in | WEIGHT lb |
|--------------|-------------|--------------|-------------|-------------|---------------|-------------------|--------------------|--------------------|--------------------|-----------|
| RA2052013100 | 52 ST       | 5/16 - 5/8   | 3 15/16     | 7 7/8       | 8 11/16       | 4 3/16            | 2 1/8              | 9 11/16            | 5 1/8              | 50.7      |
| RA2058013100 | 58 ST       | 5/16 - 5/8   | 4 1/2       | 9 1/16      | 9 7/8         | 4 3/8             | 2 1/8              | 9 29/32            | 5 1/8              | 66.1      |
| RA2062013100 | 62 ST       | 5/16 - 5/8   | 4 1/2       | 9 1/16      | 9 7/8         | 4 3/8             | 2 1/8              | 9 29/32            | 5 1/8              | 66.1      |
| RA2068013100 | 68 ST       | 3/8 - 5/8    | 5 1/2       | 11          | 10 3/4        | 4 3/4             | 2 3/8              | 9 1/8              | 5 1/8              | 90.4      |
| RA2072013100 | 72 ST       | 3/8 - 5/8    | 5 1/2       | 11          | 10 3/4        | 4 3/4             | 2 3/8              | 9 1/8              | 5 1/8              | 90.4      |

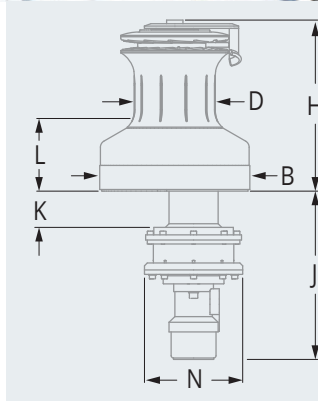
### IMPERIAL DIMENSIONS

\*1 Extensions available to suit longer "K" dimensions.





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| PRODUCT No.  | WINCH MODEL | LINE SIZE mm | DRUM "D" mm | BASE "B" mm | HEIGHT "H" mm | LINE ENTRY "L" mm | MAX. DECK "K" mm* | MOTOR DEPTH "J" mm | MOTOR WIDTH "N" mm | WEIGHT kg |
|--------------|-------------|--------------|-------------|-------------|---------------|-------------------|-------------------|--------------------|--------------------|-----------|
| RA2078013200 | 78 ST       | 16 - 22      | 170         | 320         | 368           | 170               | 85                | 360                | 210                | 87        |
| RA2110013200 | 110 ST      | 16 - 25      | 250         | 395         | 419           | 170               | 80                | 367                | 210                | 99        |

**METRIC DIMENSIONS**

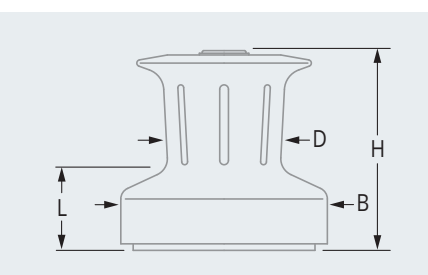
| PRODUCT No.  | WINCH MODEL | LINE SIZE in | DRUM "D" in | BASE "B" in | HEIGHT "H" in | LINE ENTRY "L" in | MAX. DECK "K" in* | MOTOR DEPTH "J" in | MOTOR WIDTH "N" in | WEIGHT lb |
|--------------|-------------|--------------|-------------|-------------|---------------|-------------------|-------------------|--------------------|--------------------|-----------|
| RA2078013200 | 78 ST       | 5/8 - 7/8    | 6 11/16     | 12 5/8      | 14 1/2        | 6 11/16           | 3 11/32           | 14 3/16            | 8 9/32             | 191.8     |
| RA2110013200 | 110 ST      | 5/8 - 1      | 9 13/16     | 15 9/16     | 16 1/2        | 6 11/16           | 3 5/32            | 14 7/16            | 8 9/32             | 218.2     |

**IMPERIAL DIMENSIONS**

\* Extensions available to suit longer "K" dimensions.



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| PRODUCT No. | WINCH MODEL | GEAR RATIO<br>1ST SPEED | GEAR RATIO<br>2ND SPEED | POWER RATIO<br>1ST SPEED | POWER RATIO<br>2ND SPEED | DRUM<br>"D"<br>mm | BASE<br>"B"<br>mm | HEIGHT<br>"H"<br>mm | LINE<br>ENTRY "L"<br>mm | WEIGHT<br>kg |
|-------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------|-------------------|---------------------|-------------------------|--------------|
|-------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------|-------------------|---------------------|-------------------------|--------------|

#### METRIC DIMENSIONS

|          |    |         |         |         |          |    |     |     |    |     |
|----------|----|---------|---------|---------|----------|----|-----|-----|----|-----|
| RA500010 | 10 | 1.0 : 1 | -       | 6.5 : 1 | -        | 57 | 92  | 89  | 28 | 1.1 |
| RA500018 | 18 | 1.0 : 1 | 2.1 : 1 | 8.3 : 1 | 17.4 : 1 | 60 | 114 | 110 | 45 | 2.6 |
| RA500028 | 28 | 1.0 : 1 | 4.0 : 1 | 7.1 : 1 | 28.6 : 1 | 70 | 124 | 126 | 53 | 3.3 |
| RA500040 | 40 | 1.0 : 1 | 6.4 : 1 | 6.5 : 1 | 42.5 : 1 | 76 | 136 | 140 | 63 | 3.9 |
| RA500046 | 46 | 1.0 : 1 | 6.4 : 1 | 6.4 : 1 | 45.6 : 1 | 78 | 143 | 140 | 63 | 4.0 |

| PRODUCT No. | WINCH MODEL | GEAR RATIO<br>1ST SPEED | GEAR RATIO<br>2ND SPEED | POWER RATIO<br>1ST SPEED | POWER RATIO<br>2ND SPEED | DRUM<br>"D"<br>in | BASE<br>"B"<br>in | HEIGHT<br>"H"<br>in | LINE<br>ENTRY "L"<br>in | WEIGHT<br>lb |
|-------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------|-------------------|---------------------|-------------------------|--------------|
|-------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------|-------------------|---------------------|-------------------------|--------------|

#### IMPERIAL DIMENSIONS

|          |    |         |         |         |          |        |         |         |         |     |
|----------|----|---------|---------|---------|----------|--------|---------|---------|---------|-----|
| RA500010 | 10 | 1.0 : 1 | -       | 6.5 : 1 | -        | 2 1/4  | 3 5/8   | 3 1/2   | 1 3/32  | 2.4 |
| RA500018 | 18 | 1.0 : 1 | 2.1 : 1 | 8.3 : 1 | 17.4 : 1 | 2 3/8  | 4 1/2   | 4 11/32 | 1 25/32 | 5.7 |
| RA500028 | 28 | 1.0 : 1 | 4.0 : 1 | 7.1 : 1 | 28.6 : 1 | 2 3/4  | 4 7/8   | 4 31/32 | 2 3/32  | 7.3 |
| RA500040 | 40 | 1.0 : 1 | 6.4 : 1 | 6.5 : 1 | 42.5 : 1 | 3      | 5 11/32 | 5 1/2   | 2 15/32 | 8.6 |
| RA500046 | 46 | 1.0 : 1 | 6.4 : 1 | 6.4 : 1 | 45.6 : 1 | 3 1/16 | 5 5/8   | 5 1/2   | 2 15/32 | 8.8 |





**DESCRIPTION**

**Classic Winch Handles**

|          |                                        |
|----------|----------------------------------------|
| RA510901 | Classic winch handle to suit Model 90  |
| RA510911 | Classic winch handle to suit Model 91  |
| RA511001 | Classic winch handle to suit Model 100 |
| RA511011 | Classic winch handle to suit Model 101 |
| RA511021 | Classic winch handle to suit Model 102 |

✓ Andersen classic winches are used by the top match racing entries and fitted as standard equipment on a variety of classes that require simplicity combined with utmost dependability.

✓ Handles are included as shown.

| PRODUCT No. | WINCH MODEL | GEAR RATIO | POWER RATIO | DRUM "D" mm | BASE "B" mm | HEIGHT "H" mm | SHAFT LENGTH "J" mm | HANDLE CLEARANCE "S" mm | HANDLE CLEARANCE "R" mm | WEIGHT kg |
|-------------|-------------|------------|-------------|-------------|-------------|---------------|---------------------|-------------------------|-------------------------|-----------|
| RA510091    | 91          | 1.0 : 1    | 8.0 : 1     | 51          | 80          | 94            | -                   | -                       | 224                     | 1.0       |
| RA510101    | 101         | 1.0 : 1    | 5.5 : 1     | 83          | 111         | 89            | -                   | -                       | 275                     | 1.5       |
| RA510102    | 102         | 1.0 : 1    | 5.5 : 1     | 83          | 111         | 74            | 150                 | 255                     | -                       | 2.0       |
| RA510103    | 102         | 1.0 : 1    | 5.5 : 1     | 83          | 111         | 74            | 200                 | 255                     | -                       | 2.1       |
| RA510105    | 102         | 1.0 : 1    | 5.5 : 1     | 83          | 111         | 74            | 100                 | 255                     | -                       | 1.9       |

| PRODUCT No. | WINCH MODEL | GEAR RATIO | POWER RATIO | DRUM "D" in | BASE "B" in | HEIGHT "H" in | SHAFT LENGTH "J" in | HANDLE CLEARANCE "S" in | HANDLE CLEARANCE "R" in | WEIGHT lb |
|-------------|-------------|------------|-------------|-------------|-------------|---------------|---------------------|-------------------------|-------------------------|-----------|
| RA510091    | 91          | 1.0 : 1    | 8.0 : 1     | 2           | 3 5/32      | 3 11/16       | -                   | -                       | 8 13/16                 | 2.2       |
| RA510101    | 101         | 1.0 : 1    | 5.5 : 1     | 3 9/32      | 4 3/8       | 3 1/2         | -                   | -                       | 10 3/16                 | 3.3       |
| RA510102    | 102         | 1.0 : 1    | 5.5 : 1     | 3 9/32      | 4 3/8       | 2 29/32       | 5 29/32             | 10                      | -                       | 4.4       |
| RA510103    | 102         | 1.0 : 1    | 5.5 : 1     | 3 9/32      | 4 3/8       | 2 29/32       | 7 7/8               | 10                      | -                       | 4.6       |
| RA510105    | 102         | 1.0 : 1    | 5.5 : 1     | 3 9/32      | 4 3/8       | 2 29/32       | 3 15/16             | 10                      | -                       | 4.2       |

# QUICK-LOCK™

## Power, Performance & Intuitive Operation

The Ronstan Quick-Lock™ is the quickest and most user friendly winch handle available for racing and cruising sailors alike. In addition to its super fast grab-and-release mechanism for intuitive single handed removal, it is the only handle to feature the patented auto quick-locking mechanism that lets you put the handle in the winch without depressing a lever or rotating a knob – it couldn't be easier!

### Quick-Lock™ automatic insertion

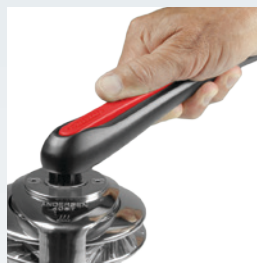
Ronstan Quick-Lock™ allows you to immediately place the drive head into the winch socket, without the need to rotate a knob or depress a button. Its stainless steel locking lever then retains the handle securely in place until you are ready to remove it.

### Intuitive grab & release

The large easy to locate release button extends up the length of the handle providing intuitive grab-and-release operation. This makes the Quick-Lock™ ideal for easy one-handed use by any crew.

### Power in your hands

A precision ball bearing race in the hand grip provides free rotation for high speed, or high power cranking and the refined ergonomics ensure efficient transfer of effort. 8" (200mm) models cater to situations with restricted space and 10" (250mm) handles provide greater mechanical advantage - the basis on which winch power ratios are calculated. Palm grip handles are the ultimate option where fast two-handed cranking is required.



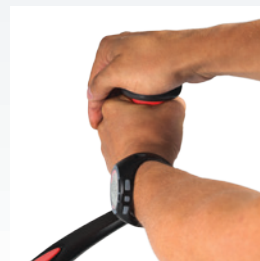
Easy, single-handed release button



Secure, auto-insert locking mechanism



Ball bearing handle for minimum friction



Palm grip models for maximum speed and power





- ✓ Patented auto lock-in latch.
- ✓ Large grab-and-release button.
- ✓ Single handed insert and release operation .
- ✓ 8" (200mm) and 10" (250mm) models.
- ✓ Standard and palm grip models.
- ✓ Ball bearing hand grips.
- ✓ Lightweight forged construction.
- ✓ Corrosion resistant hard coat anodised finish.

| PRODUCT No.        | GRIP   | LENGTH<br>mm | WEIGHT<br>g | LENGTH<br>in | WEIGHT<br>oz |
|--------------------|--------|--------------|-------------|--------------|--------------|
| <b>Single Grip</b> |        |              |             |              |              |
| RF4410             | Single | 200          | 415         | 8            | 14.6         |
| RF4415             | Single | 250          | 450         | 10           | 15.9         |
| <b>Palm Grip</b>   |        |              |             |              |              |
| RF4430             | Palm   | 200          | 470         | 8            | 16.6         |
| RF4435             | Palm   | 250          | 525         | 10           | 18.5         |

## Basic Handles &amp; Pockets

**Plastic Winch Handles**

- ✓ Lightweight.
- ✓ Two-piece welded construction.
- ✓ Serviceable locking mechanism.
- ✓ Aluminium drive plug.

**Stainless Steel Winch Handles**

- ✓ Robust stainless steel construction.
- ✓ Stainless steel drive plug.

**RF4099 Winch Handle Pocket**

- ✓ Screw holes and webbing/lashing slots for mounting.
- ✓ UV stabilised.
- ✓ Strong but flexible for maximum durability.

| PRODUCT No.                 | DESCRIPTION                                                | LENGTH<br>mm | WEIGHT<br>g | LENGTH<br>mm | WEIGHT<br>oz |
|-----------------------------|------------------------------------------------------------|--------------|-------------|--------------|--------------|
| <b>Winch Handles</b>        |                                                            |              |             |              |              |
| RA507297                    | Stainless steel Andersen winch handle                      | 200          | 400         | 8            | 14.1         |
| RA507298                    | Stainless steel Andersen winch handle                      | 250          | 450         | 10           | 15.9         |
| RF4110                      | Plastic winch handle                                       | 200          | 270         | 8            | 9.5          |
| RF4115                      | Plastic winch handle                                       | 250          | 320         | 10           | 11.3         |
| RF4109                      | Locking mechanism service kit, suits plastic winch handles | -            | -           | -            | -            |
| <b>Winch Handle Pockets</b> |                                                            |              |             |              |              |
| RF3741                      | Winch handle pocket, navy polyester canvas                 | -            | 140         | -            | 4.9          |
| RF3841                      | Winch handle pocket, white PVC with mesh                   | -            | 130         | -            | 4.6          |
| RF4099                      | Winch handle pocket, PVC                                   | -            | 308         | -            | 10.9         |





SERVICE KITS



✓ For optimum performance and long life of your Andersen winch, it should be serviced every 2 years or so, under normal use. Service kits contain the basic replacement parts for your specific winch model service.

✓ See the SUPPORT section of the [www.andersenwinches.com](http://www.andersenwinches.com) website for further information regarding installation, use and service of current and past models of Andersen winches, including Product Manuals, Service Tips, etc.

| PRODUCT No.         | WINCHES SUITED                           | DESCRIPTION                                                                                      |
|---------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Service Kits</b> |                                          |                                                                                                  |
| RA700020            | Line Tender                              | Replacement pawls & springs, circlips                                                            |
| RA700021            | 52ST (v3.0 2009/later)                   | Replacement pawls & springs, plain bearing, ball bearings, retaining ring, screws, washers       |
| RA710001            | 12ST, 28ST (10.2005/earlier), 40ST       | Replacement pawls & springs, ball bearings, circlips, screws, retaining ring, locking pin        |
| RA710002            | 46ST (1982 - 1993)                       | Replacement pawls & springs, circlip, screws                                                     |
| RA710003            | 56ST, 66ST                               | Replacement pawls & springs, ball bearings, circlips, screws, washers, locking pin, sealing ring |
| RA710004            | 10, 18, 28, 40, 46 Classic               | Replacement pawls & springs, circlips                                                            |
| RA710005            | 56 Classic                               | Replacement pawls & springs, ball bearings, circlips, locking pin                                |
| RA710007            | 78ST (10.2005/earlier)                   | Replacement pawls & springs, O-ring, ball bearings, circlips, screws, washers                    |
| RA710008            | 52ST (v2.5 2009/earlier)                 | Replacement pawls & springs, plain bearing, ball bearings, circlips, screws, retaining ring      |
| RA710009            | 110ST                                    | Replacement pawls & springs, O-ring, ball bearings, screws, washers                              |
| RA710010            | Springs for Andersen winches             | Replacement pawl springs only: 10 x arm springs, 10 x spiral springs                             |
| RA710011            | 46ST (1993 - 1996)                       | Replacement pawls & springs, plain bearing, ball bearings, circlip, screws                       |
| RA710012            | 58ST, 62ST                               | Replacement pawls & springs, plain bearing, ball bearings, circlips, screws, retaining ring      |
| RA710013            | 68ST, 72ST                               | Replacement pawls & springs, plain bearing, ball bearings, circlip, screws, retaining ring       |
| RA710014            | 90, 91, 92 Classic                       | Replacement pawls & springs, circlip, screws, washers                                            |
| RA710015            | 100, 101, 102 Classic                    | Replacement pawls & springs, circlip, screws, washers                                            |
| RA710016            | 6 Classic                                | Replacement pawls & springs, screws, washers                                                     |
| RA710017            | 46ST (1997- v3.2 07.2006)                | Replacement pawls & springs, plain bearing, ball bearings, circlips, screws                      |
| RA710018            | 12ST, 18ST, 28ST (11.2005/earlier), 34ST | Replacement pawls & springs, plain bearing, screws, locking pin                                  |
| RA710019            | 46ST v.4.0 (08.2006/earlier), 48ST, 50ST | Replacement pawls & springs, plain bearing, circlip, screws                                      |
| <b>Winch Grease</b> |                                          |                                                                                                  |
| RA500001            |                                          | Winch grease tube, 12-pack, including display carton                                             |
| RA500001-1          |                                          | Winch grease, single tube                                                                        |



