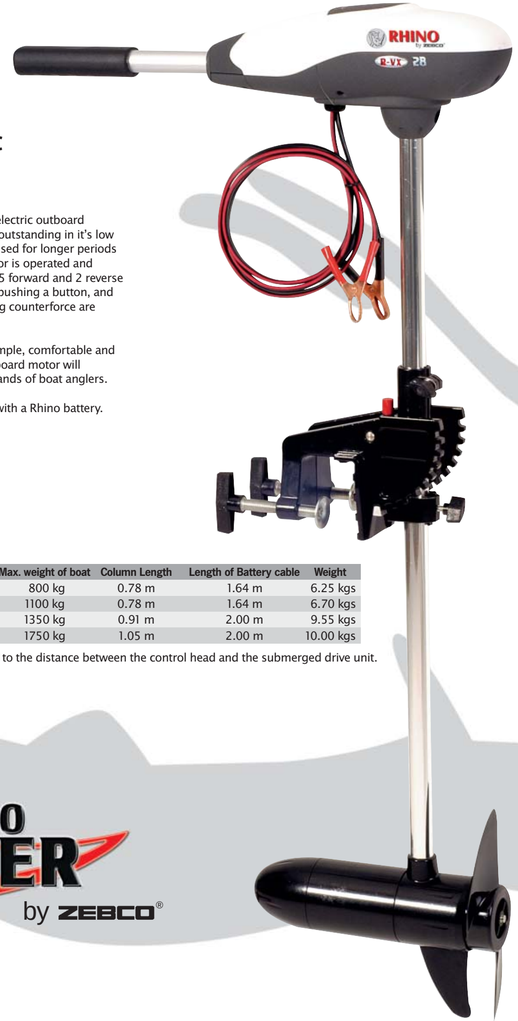
# The Motor

# Accessories & Spare Parts




## RHINO VX ELECTRIC OUTBOARD MOTOR

Strong, stronger, Rhino VX!

Introducing one of the most powerful electric outboard motors to the market. The Rhino VX is outstanding in it's low power consumption, allowing it to be used for longer periods with regular battery capacity. The motor is operated and steered with a telescopic tiller offering 5 forward and 2 reverse speeds. The motor can be tilted up by pushing a button, and the depth of the prop as well as steering counterforce are continuously adjustable.

The Rhino VX features exceptionally simple, comfortable and safe overall handling. This electric outboard motor will become a reliable companion to thousands of boat anglers.

We recommend using this motor only with a Rhino battery.

| Code | Model | Speeds | Max. weight of boat | Column Length | Length of Battery cable | Weight |
|---|---|---|---|---|---|---|
| 9925 280 | Rhino VX 28 | 5 V / 2 R | 800 kg | 0.78 m | 1.64 m | 6.25 kgs |
| 9925 340 | Rhino VX 34 | 5 V / 2 R | 1100 kg | 0.78 m | 1.64 m | 6.70 kgs |
| 9925 440 | Rhino VX 44 | 5 V / 2 R | 1350 kg | 0.91 m | 2.00 m | 9.55 kgs |
| 9925 540 | Rhino VX 54 | 5 V / 2 R | 1750 kg | 1.05 m | 2.00 m | 10.00 kgs |

The length of the motor shaft is equal to the distance between the control head and the submerged drive unit.

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## PROP

The Rhino VX models 28 and 34 come with a two-blade prop, and the models VX 44 and 54 come with a three-blade prop.

## PROP NUT

## MOUNT ASSEMBLY

## PROP NUT KEY

## PIN


## BATTERY CHARGER

For charging Rhino batteries

| Code | Model | Voltage |
|---|---|---|
| 9934 996 | Rhino Charger | 12 V |

## RHINO BATTERY M27 MF

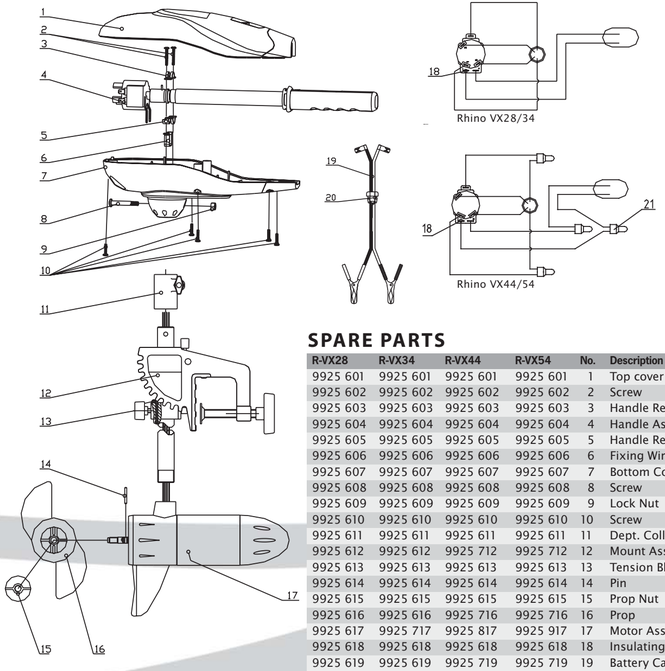
An especially robust and reliable battery for use with your Rhino VX electric outboard motor. Absolutely maintenance-free during its complete service life and with minimum self-discharge.

- Maintenance-free
- Leak-proof
- Long lifetime
- Total discharge protected
- Environmentally friendly


| Code: | Model | Voltage | Capacity |
|---|---|---|---|
| 9934 998 | M27 MF | 12 V | 105 amp.hr. |

## HANDLE ASSEMBLY

## BATTERY CABLE ASSEMBLY




## SPARE PARTS

| R-VX28 | R-VX34 | R-VX44 | R-VX54 | No. | Description |
|---|---|---|---|---|---|
| 9925 601 | 9925 601 | 9925 601 | 9925 601 | 1 | Top cover assembly |
| 9925 602 | 9925 602 | 9925 602 | 9925 602 | 2 | Screw |
| 9925 603 | 9925 603 | 9925 603 | 9925 603 | 3 | Handle Retainer Clamp (top) |
| 9925 604 | 9925 604 | 9925 604 | 9925 604 | 4 | Handle Assembly |
| 9925 605 | 9925 605 | 9925 605 | 9925 605 | 5 | Handle Retainer Clamp (bottom) |
| 9925 606 | 9925 606 | 9925 606 | 9925 606 | 6 | Fixing Wire Retainer |
| 9925 607 | 9925 607 | 9925 607 | 9925 607 | 7 | Bottom Cover |
| 9925 608 | 9925 608 | 9925 608 | 9925 608 | 8 | Screw |
| 9925 609 | 9925 609 | 9925 609 | 9925 609 | 9 | Lock Nut |
| 9925 610 | 9925 610 | 9925 610 | 9925 610 | 10 | Screw |
| 9925 611 | 9925 611 | 9925 611 | 9925 611 | 11 | Dept. Collar Assembly |
| 9925 612 | 9925 612 | 9925 712 | 9925 712 | 12 | Mount Assembly |
| 9925 613 | 9925 613 | 9925 613 | 9925 613 | 13 | Tension Block screw |
| 9925 614 | 9925 614 | 9925 614 | 9925 614 | 14 | Pin |
| 9925 615 | 9925 615 | 9925 615 | 9925 615 | 15 | Prop Nut |
| 9925 616 | 9925 616 | 9925 716 | 9925 716 | 16 | Prop |
| 9925 617 | 9925 717 | 9925 817 | 9925 917 | 17 | Motor Assembly |
| 9925 618 | 9925 618 | 9925 618 | 9925 618 | 18 | Insulating Sleeve |
| 9925 619 | 9925 619 | 9925 719 | 9925 719 | 19 | Battery Cable Assembly |
| 9925 620 | 9925 620 | 9925 620 | 9925 620 | 20 | Battery Cable But |
| | | 9925 621 | 9925 621 | 21 | Cable Clip |
| 9925 622 | 9925 622 | 9925 622 | 9925 622 | 22 | Prop Nut Key |

RHINO

# The technical Specs

| Description | Ampere consumption per speed | Watt per speed | Thrust (lbs) | Thrust (kp) |
|---|---|---|---|---|
| VX-28 | 1st speed: 9 A | >80 | 7.0 lbs | 3.20 kp |
| | 2nd speed: 11 A | 100 | 9.2 lbs | 4.20 kp |
| | 3rd speed: 15 A | 130 | 13.2 lbs | 6.00 kp |
| | 4th speed: 19 A | 150 | 15.8 lbs | 7.20 kp |
| | 5th speed: 32 A | 180 | 28.0 lbs | 12.72 kp |
| | | | | |
| VX-34 | 1st speed: 9 A | 77 | 6.6 lbs | 3.00 kp |
| | 2nd speed: 11 A | 101 | 7.4 lbs | 3.40 kp |
| | 3rd speed: 16 A | 139 | 13.2 lbs | 6.00 kp |
| | 4th speed: 20 A | 162 | 15.8 lbs | 7.20 kp |
| | 5th speed: 40 A | 215 | 34.0 lbs | 15.40 kp |
| | | | | |
| VX-44 | 1st speed: 12 A | 105 | 8.8 lbs | 4.00 kp |
| | 2nd speed: 14 A | 126 | 11.0 lbs | 5.00 kp |
| | 3rd speed: 25 A | 220 | 22.0 lbs | 10.00 kp |
| | 4th speed: 28 A | 237 | 25.9 lbs | 11.80 kp |
| | 5th speed: 52 A | 290 | 44.0 lbs | 20.00 kp |
| | | | | |
| VX-54 | 1st speed: 16 A | 147 | 9.25 lbs | 4.20 kp |
| | 2nd speed: 18 A | 167 | 11.45 lbs | 5.20 kp |
| | 3rd speed: 34 A | 270 | 22.47 lbs | 10.20 kp |
| | 4th speed: 38 A | 290 | 26.43 lbs | 12.00 kp |
| | 5th speed: 72 A | 365 | 53.84 lbs | 24.47 kp |


# Some more facts you should know about ...

Electric motors generate different amounts of thrust. Thrust ratings are usually given in pounds (1 lb. equals 0.45 kp). The name of the model shows the motor's maximum thrust rating, e.g. the Rhino VX 44 develops up to 44 lbs. of thrust.

If the prop is chosen to match the hull of the boat ideally, the more thrust your Rhino VX electric motor produces, the faster your boat will travel.

Power consumption is another important parameter, besides the electric motor's performance. The more efficiently electrical power is transformed into propulsion, the further you can go with one battery charge. Rhino VX motors are very economical. The power consumption of Rhino VX motors at various speeds is listed on the previous page (given in A = amperes).

The charge capacity is given in ampere-hours (amp.hrs.). To determine the battery's theoretical reach (in hours = h), simply divide this value by the motor's ampere consumption at a certain speed.

For example: the Rhino battery M27 F has a capacity of 105 Ah. The ampere consumption of the Rhino VX 34 is 11A at speed 2; 105 Ah / 11 A = 9.5 h; i.e. this battery will provide 9.5 hours of continuous running.

CAUTION: Take into account that the battery may not be fully charged at the beginning of your trip. Always allow for a safety margin, to avoid having to row the final distance to your destination.

And finally, an answer to a frequently asked question: What is the ratio between motor thrust in lbs. and performance ratings given in H.P. for outboard motors running on fuel? Approx. 365 watts equal 0.5 H.P., i.e. the maximum performance of the Rhino VX 54.

RHINO POWER by ZEBCO

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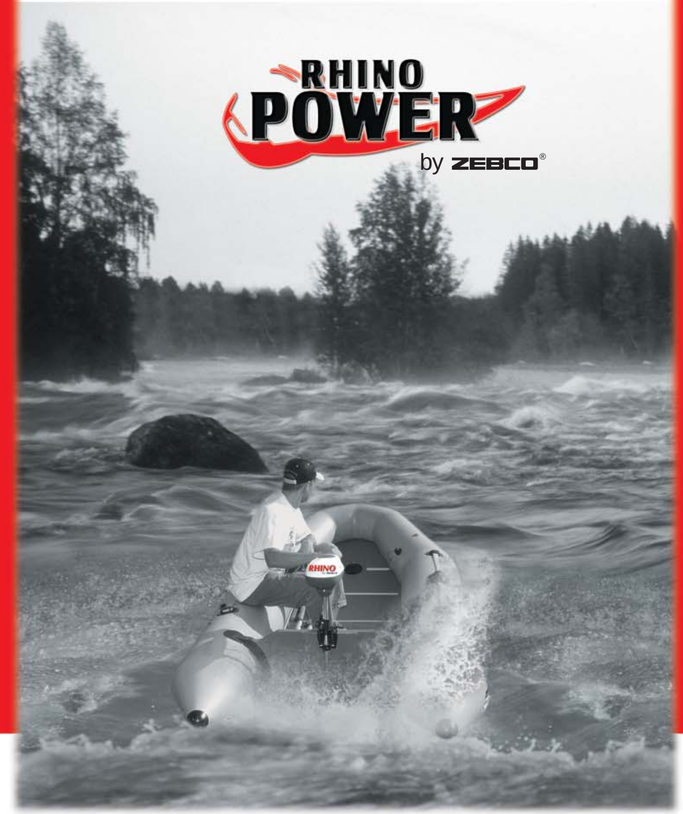


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***Takes you ahead of the rest, at last!***

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