

# Manual for Sales

## I. Product Brief Introduction

### a) History of Trolling Motor:

Electric Trolling Motor has been in the market for over 70 years, it was started in U.S.A as a electric tool for fishing. In 1980's, MinnKota started to make OEM and reduce the price very big. Now Trolling motor is a very necessary tool for all fishing people, about one million different trolling motors are sold all over the world every year.

### b) Popular Items in U.S.A ;Canada;all Europe;Russia;japan and Australia

Since both of the largest manufacturers are located in U.S.A., they have been pushing sales of trolling motor to U.S.A. and America for many years. In U.S.A. , almost every fishing people would use trolling motor during the fishing.

### c) Why use Trolling Motor

Large gasoline motors may sometimes scare fish away before the boat even gets within fishing distance. For these situations, we make special types of electric outboard motors called trolling motors. Small and quiet, trolling motors allow boats to slowly and silently move through the water without scaring away the prey.



- d) General method to use the production
- e) Characterization of NERAUS Motor
  - i. Low noise;
  - ii. Low currency consumption which enable the batter to worker longer after one charge;
  - iii. Battery capacity saving system: when you are trolling with low speed, the currency would be lower, that means the battery can work longer when the trolling motor working with low speed;
  - iv. Strong: we use Strong composite fibre glass shaft, which can endure very strong hit and weight;
  - v. Long-time continuous working: it can continuous working over 500 hours in test;
  - vi. Can be use in salt water: the coating can endure acid, therefore the salt water will not rust the motor. But to use in salt water, the end-user must make speical maintaining after using.



## II. Functions

### a) Input Power and thrust

Power is not the most important case for trolling, what really counts is how big is the thrust made by the motor. Therefore, most trolling motor only offer the value of thrust.

Item No.	Thrust in LBS	Thrust in KG	Input	Input Power
NRS-32L	32LBS	14.5kg	12V, 26A	312W
NRS-36L	36LBS	16.3kg	12V, 29A	348W
NRS-40L	40LBS	18.1kg	12V, 34A	408W
NRS-46L	46LBS	20.9kg	12V, 40A	480W
NRS-50L	50LBS	22.7kg	12V, 46A	552W
NRS-55L	55LBS	25.0kg	12V, 52A	624W
NRS-86L	86LBS	37.2kg	24V, 48A	1152W

### b) Power of different stages

F: forward      R: reverse

Item No.	R3	R2	R1	F1	F2	F3	F4	F5
NRS-32L	312W	95W	57W	57W	75w	95w	124W	312W
NRS-36L	348W	106W	64W	64W	84w	106w	138W	348W
NRS-40L	408W	124W	75W	75W	99w	124w	162W	408W
NRS-46L	480W	146W	88W	88W	116w	146w	190W	480W
NRS-50L	552W	168W	101W	101W	133w	168w	218W	552W
NRS-55L	624W	190W	114W	114W	150w	190w	246W	624W
NRS-86L	1152W	420W	228W	228W	290w	420w	523W	1152W

### c) Maximum Speed

Since the speed depends on many factors, such as loading, water speed, wind etc., it would be difficult to describe the speed, we give the speed for reference as following:

Boat Size: 2.6m

Loading: 90kg

Water: Quiet water

Item No.	Speed (approximately)
NRS-32L	5km/h
NRS-36L	6.5km/h
NRS-40L	7.8km/h
NRS-46L	9.5km/h
NRS-50L	12km/h
NRS-55L	14.5km/h
NRS-86L	22km/h

d) Boat size and loaded capacity

Item No.	Max Boat Size	
NRS-32L	12'~14',	3.65m~4.26m
NRS-36L	12'~14',	3.65m~4.26m
NRS-40L	16'~17',	4.86m~5.17m
NRS-46L	16'~17',	4.86m~5.17m
NRS-50L	18'~20',	5.48m~6.08m
NRS-55L	18'~20',	5.48m~6.08m
NRS-86L	22'~24',	6.69m~7.30m

Voltage Meter



There are 10 LED on the meter, 7 upper LEDs are green and 3 lower LEDs are red, when all the green LEDs are turned off, that means the input voltage is lower than 10.25V, you must turn off the motor and disconnect the motor from the battery, otherwise it may cause forever damage to the battery.

e) Maintaining

- If you want to use this motor in Salt water, please use daub Antirust oil on the metal parts that are exposed to the salt water.
- After used in salt water, please use fresh water to clean it and then dry it.
- Keep the products clean and dry after use.
- Save the products in the original package.
- The control box can only be opened by professional engineer.
- Do not use in water area with many water plants or other sundries in water.
- Never connect the wire with wrong electrode. Must disconnect with battery during maintenance.
- Never leave the motor in environment over 60°C.
- Never stop the propeller with strong objects while the motor is running.
- Get rid of any water grass or other dirt attached to the motor after use, this cleaning work must be carried after the motor were used for 20 hours.
- To prevent accidental damage during trailering or storage, disconnect the battery whenever the motor is off of the water. For prolonged storage, lightly coat all metal parts with silicone spray.
- If this edge of propeller is rough or nicked, restore to smooth by sanding with fine sandpaper

f) Warning

- This is not a life saving device.
- Do not leave children unattended while device is in use.
- The user must be dressed with life saving coat.
- Please read the user's manual carefully.
- Never put the control box in water, if it fell into water completely, you must send it to professional people to clean it before use.
- Never unfix any part of this motor.
- Only use this products between -20°C to +45°C (-4°F to 113°F).
- Never replace any parts with the parts from other supplier.
- Ensure sufficient battery charge remaining, when there is only 3 lights is bright on the voltage meter, the motor must be unconnected with the batteries immediately.
- Never stick body parts, clothing or other objects in the vicinity of the propeller. Do not wear loose or flowing clothing or equipment that could be drawn into the propeller.
- Particular care should be exercised when using this item near anybody with long hair. Users with long hair should tie it up or wear swimming caps when using the boat.
- Always inspect the swimming area to ensure it is free of hazards or danger such as boats and swimmers before using the boat.
- Always wear a coast guard approved personal flotation device when using the boat with this motor.
- A child under 16 years old or end-user cannot swim should NEVER operate the boat independently. A child under 14 years old should never operate this product.
- Never use when the wave is over 1m high.
- Never unfix the product in water or when it is wet.
- Never put the upper part with handle in water, if it got wet, the user must disconnect the battery and try to clean and dry it.
- Never put the control box in water deeper than 5 meters.
- Keep lead wire connection tight and solid to battery terminals.
- Use 6-gauge wire to extend power lead.
- Locate battery in a ventilated compartment.

### ***III. Key Points for Quality***

- Motor Rotor: we are offer very high quality Rotor which can endure over loading for over 150 seconds;
- Plug: We are using Nex plug, which is the best plug. If the plug is with poor quality, since the currency for trolling motor is very high, it is very easily cause damage to the plug and finally make quality problem;
- Cable: We are using AWM cable, this cable can up to all U.S.A standard and European standard, even the currency is very big, it will not become hot and soft;
- Switch: Our switch can endure over 12,000 times switch.

#### ***IV. Marketing Capacity Description***

<b>Potential Market</b>	<b>Similar Products Capacity</b>	<b>Possible Sold Quantity in 2007</b>
Fishing Dealers	Over 100 million people go fishing and buy fishing tools very often	At least 1 million PCs trolling motor is needed all over the world
Boat Dealers	There are over 58 million small size boat in U.S.A	

Fishing Population in some countries

<b>Countries</b>	<b>Population</b>
U.S.A	Close to 80 million
Japan	15 million
Sweden	1 million
Norway	300 thousand
Finland	0.5 million
France	12 million
Canada	4 million
RUSSIA	30 million
Australia	1 million



**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.