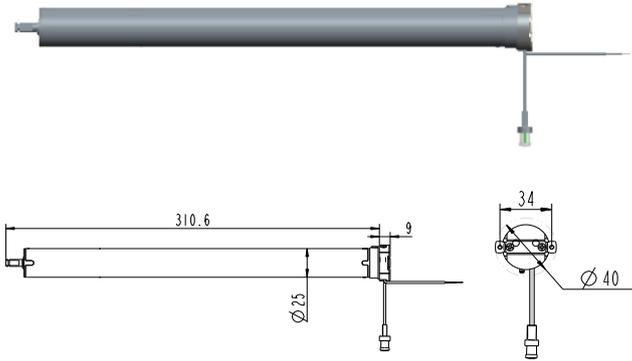


NB25 RV MOTOR

A. Technical Data

Type instruction: **NB25 RV/0.7-30**



Speed
Torque
Recreative Vehicle
Diameter of The Motor Tube
Standard Round head motor

Model	NB25 RV/0.7-30
Power	12V
Torque	0.7Nm
Speed	30rpm
Current	0.75A
Diameter Of The Motor Tube	Φ25
Motor Weight	0.31Kg
Protection Rating	IP31

B. Recommendations

1. The NB25 does not have built-in RF control capability.
2. This DC motor must be used with a DC Polarity Reversing Switch.
3. Motor is designed for indoor use only and should never be exposed or immersed in water.
4. Motor should be handled with care. Never drop and avoid impacts.
5. Sphere of application: Recreational Vehicle application.

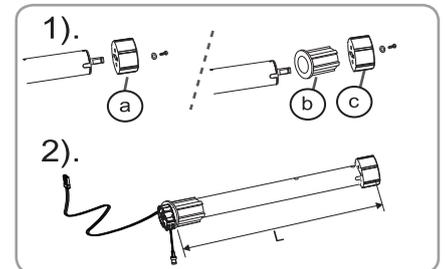
C. Installation

1. Installation

- Preparing the drive

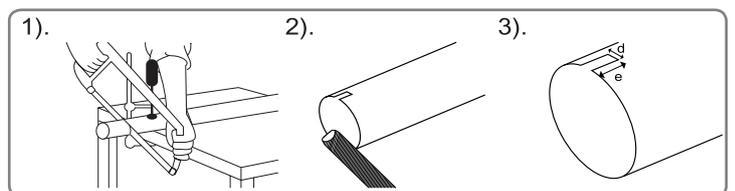
****Check that the inner diameter of the tube is 26,6 mm or greater.**

- 1). Fit the accessories required to integrate the drive in the roller tube:
 - Either fit the drive wheel **a** on the drive.
 - Fit the crown **b** and the drive wheel **c** on the drive.
- 2). Measure the length (L) between the inner edge of the drive head and the rim of the drive wheel.



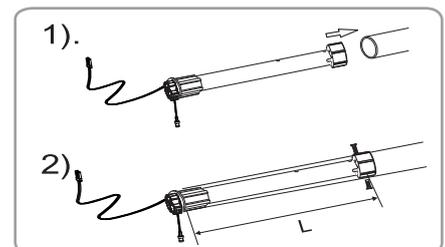
- Tube preparation

- 1). Cut the roller tube to the required length, depending on the motorised product.
- 2). Deburr the roller tube to remove any rough edges.
- 3). For roller tubes which are smooth inside, cut a notch with the following measurements:
d:4mm e:7 mm.



- Drive/tube assembly

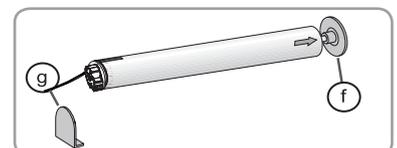
- 1). Insert Motor into roller tube. (If notch is used, be certain to align and insert crown key into roller tube notch.)
- 2). Attach the roller tube to the motor drive adapter using self-tapping screws or pop rivets according to dimension (L).



****Screws or pop rivets must be attached to motor drive adapter and should not touch motor drive shaft.**

- Installing the drive/tube assembly

- Attach the motor/tube assembly to the motor & idler end bracket (f & g):

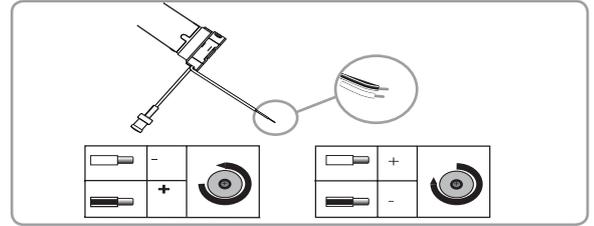


2. Wiring

**Properly secure wiring to avoid contact with moving parts.

**The NB25 motor cable is not designed for removal. If cable becomes damaged, please contact supplier.

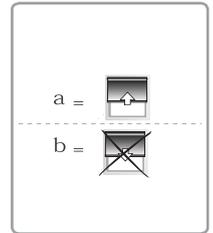
- Power supply should be off when motor connecting wires.
- Refer to motor wire polarity in table right.



3. Commissioning

- Checking the direction of rotation

- 1). Be certain power supply is on.
- 2). Activate the UP command from the switch:
 - a). If the motorized product raises (fig a) the motor wiring is correct.
 - b). If the motorized product lowers (fig.b) the motor wiring is reversed. (Follow next step.)
 - c). Turn off power supply.
 - d). Reverse the motor wires.
 - e). Turn power supply on and activate UP command from switch to verify correct movement.



- Setting the end limits

- 1). Motor stop positions (limits) can be adjusted for each installation.
- 2). To adjust limits:

Down Limit

 - a). Identify rotational direction of motor as product lowers.
 - b). Match rotational direction with corresponding directional arrows on motor head (fig 1. a or b).
 - c). Insert limit adjuster tool (included) into the nearest adjuster screw hole.
 - d). Turn adjuster screw (+) to increase rotations OR (-) to decrease rotations.

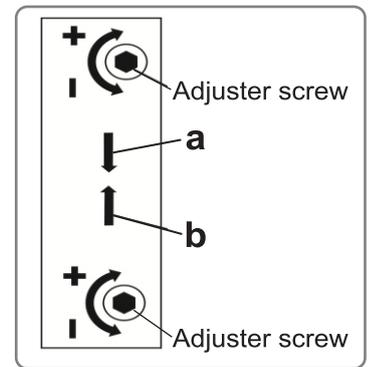


Fig.1

4. Tips and recommendations for installation

- Questions about the NB25 motor

Observations	Possible causes	Solutions
The motorised product does not operate.	Improper wiring.	Check the wiring and modify it if necessary.
	Switch or control may not be working.	Check for compatibility. Replace if necessary.
	Motor limits are not set properly.	Readjust the end limits.

D. Use and maintenance

** The NB25 motor is designed to be maintenance-free.

1. Using a Maintained mechanical control switch:

- Pressing UP or DOWN will fully raise or lower motorized product.

2. Using a Momentary mechanical control switch:

- Press and hold UP or DOWN to raise or lower motorized product.

3. Using an Electronic Switch Controller:

- Press UP or DOWN to raise or lower motorized product.
- Press STOP to stop motorized while in motion.

