

# OPERATION, MAINTENANCE MANUAL



**Doosan Infracore**  
Portable Power

## **BL2000 (C15)** **BALLOON LIGHT MODEL** **Beginning with S/N 143103**



**This manual contains important safety information.**

**Do not destroy this manual.**

**This manual must be available to the personnel who operate and maintain this machine.**

Doosan Infracore Portable Power  
1293 Glenway Drive  
Statesville, N.C. 28625  
[www.doosanportablepower.com](http://www.doosanportablepower.com)

Book: 22938427 (10-2010) Rev C



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**SAFETY**

## SAFETY

### PRECAUTIONS FOR USE

- Protect the envelope from aggressive external contacts (projectiles, electric wires, walls, trees, animals, etc.)
- Do not clean the balloon with a solvent.
- If the envelope gets damp, dry before storing.
- Do not kick the balloon.
- To extend bulb lifetime, avoid touching the bulbs with your bare hands. Use the glove provided.
- Do not cut the electric cable.
- Do not switch on the balloon if the cable is wound.
- Make sure that the tripod or stand is stable and firmly anchored in windy conditions.
- Do not use the BL2000 if wind speed exceeds 60MPH (80km/h).
- Generator set: minimum recommended capacity: 2.5kw-120V-20A. Be careful of phase unbalance if several devices are connected to the same generator.

### Storage:

- Store the BL2000 in its storage bag.
- Store in a dry, ventilated area.
- Do not store the BL2000 near a heat source.
- Do not store the BL2000 near chemical products.
- Do not store anything else in the bag that may interfere with the envelope or equipment provided.

### Transporting the Balloon:

- Transport the balloon in it's bag.



# **WARRANTY**

## **WARRANTY**

- The balloon envelope is guaranteed 6 months from the date of purchase against any manufacturing defects and under normal conditions of use.
- The rest, except for “consumables” such as bulbs, fuses, etc., is guaranteed one year from the date of purchase against any manufacturing defects and under normal conditions of use.
- In the event of a manufacturing defect or incorrect operation, return the balloon to your Portable Power distributor.
- Portable Power cannot be held responsible for improper handling by the user. Any operation on the envelope or electric equipment that is not specified in this manual, or any use of unapproved tools, components or bulbs is not covered by this warranty and remains the sole responsibility of the user.
- Using a bulb of general use may cause destruction of the envelope. All use of such bulb other than referenced bulb cancels the warranty.

## **LIMITED WARRANTY**

Portable Power, through its distributors, warrants to the initial user that each BL2000 will be free of defects in material and workmanship for a period of twelve (12) months from shipment. The balloon envelope 6 months.

Portable Power will provide a new part or repaired part, at its election, in place of any part, which is found upon its inspection to be defective in material and workmanship during the period prescribed above.

Labor cost to replace the part is the responsibility of the user. User must present proof of purchase at the time of exercising warranty.

The above warranty does not apply to failures occurring as a result of abuse; misuse, negligent repairs, corrosion, erosion and normal wear and tear, alterations or modifications made to the product without express written consent of Portable Power; or failure to follow the recommended operating practices and maintenance procedures as provided in the product's operating and maintenance publications.

Accessories manufactured by others, including, but not limited to, engines, shall carry whatever the manufacturers have conveyed to Portable Power and which can be passed on to the initial user.

**THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, (EXCEPT THAT OF TITLE), AND THERE ARE NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.**





# **Warranty Registration**

## WARRANTY REGISTRATION

### Complete Machine Registration

Machines shipped to locations within the United States do not require a warranty registration unless the machine status changes (i.e. change of ownership).

Machines shipped outside the United States require notification be made to initiate the machine warranty.

**Fill out the Warranty Registration Form in this section, keep a copy for your records and mail form to:**

Doosan Portable Power  
1293 Glenway Drive  
Statesville, N.C. 28625  
Attn: Warranty Department

## Warranty Registration

Selling Distributor	Servicing Distributor	WARRANTY REGISTRATION
Name _____	Name _____	Owner/User Name _____
Address _____	Address _____	Address _____
City _____	City _____	City _____
County _____	County _____	County _____
State _____	State _____	State _____
Zip Code _____	Zip Code _____	Zip Code _____
Telephone _____	Telephone _____	Telephone _____

**Complete the Applicable Blocks Owner / User Type of Business (check one only)**

<input type="checkbox"/> Construction-Heavy (highway, excavation, etc.)	<input type="checkbox"/> Asphalt Contractor	<input type="checkbox"/> Coal Mining	<input type="checkbox"/> Other Mining
<input type="checkbox"/> Construction-Light (carpentry, plumbing, pools, mason, etc.)	<input type="checkbox"/> Government (municipal, state, county, etc.)	<input type="checkbox"/> Quarry	<input type="checkbox"/> Shallow Oil & Gas
<input type="checkbox"/> Rental (rental center, rental fleet, etc.)	<input type="checkbox"/> Building Contractor	<input type="checkbox"/> Waterwell	<input type="checkbox"/> Utility Company
<input type="checkbox"/> Industrial (plant use)	<input type="checkbox"/> Other specify _____	<input type="checkbox"/> Exploration	<input type="checkbox"/> Utility Contractor

Model	Unit S/N	Engine S/N	Date Delivered
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Model	Unit S/N	Engine S/N	Date Delivered
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### SERVICING DISTRIBUTOR/USER ACKNOWLEDGEMENT

1. The Purchaser has been instructed and/or has read the manual and understands proper preventative maintenance, general operation and safety precautions.
2. The warranty and limitation of liability has been reviewed and understood by the owner/user.
3. In the event that this unit is to be used within a nuclear facility, the owner/user shall notify Doosan Portable Power of such use so that Portable Power may arrange for appropriate nuclear liability protection from the owner-licensee of the facility.
4. Portable Power reserves the right to make design changes or modifications of Portable Power products at anytime without incurring any obligation to make similar changes or modifications on previously sold units.

Size: 160 ☐ 200 ☐ 300 ☐ 370 ☐ 420 ☐ 500 ☐ Other ☐

Electricity: 220V ☐ 110V ☐ 380V ☐ HMI ☐ Halogen ☐

Damage to be repaired:

Doosan Infracore Portable Power  
1293 Glenway Drive  
Statesville, N.C. 28625  
Attention: Warranty Department

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## **General Data**

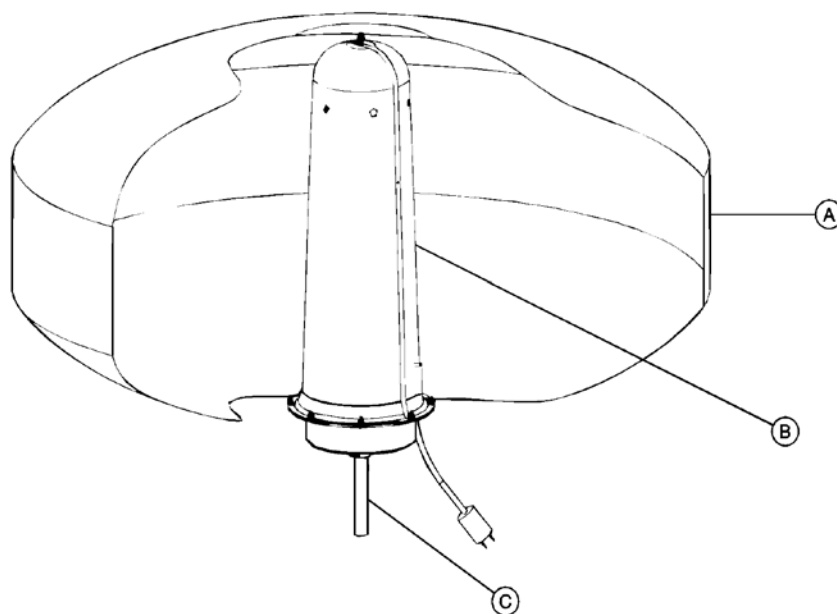
## GENERAL DATA

Power Requirements	2300 Watts/2.3kw
Number of Lamps	2 x 1000W
Power Supply	
Amps	19.2 amps
Volts	110-130
Diameter	43.3 in/1.1M
Material	Woven Compound
Operating Height	25m to 5m/7.5 ft to 15 ft
Inflation Time	45 seconds
Weight	36 lbs/16kg
Wind Speed Resistance	63 mph/100 kmh
Surface Area Lit	2500m <sup>2</sup> /26909 ft <sup>2</sup>



**BALLOON**

## Balloon Description



### LIST OF PARTS

- (A) 1 envelope
- (B) Harness, Internal
- (C) Harness, External





# **ASSY/INSTALLATION**

## Assembly and Installation

### ASSEMBLY - Unfolding the Envelope

- Unfold the envelope on a smooth, clean surface.
- Open the zip.
- **Assembling the Equipment**
- Wear the glove to handle the bulbs. We recommend cleaning the bulbs with ethylated spirits before each use.
- Remove protective dome.
- Insert the bulbs into the socket inside the protective dome. Push to make sure they are properly inserted.
- Close the zip.

### Installation - Positioning

- Fix the balloon on the optional/pole.
- Use of the tilting device is optional. If used, make sure the handle is tight.

### Inflation and Switching On

- Connect the BL2000's power plug to its power source.
- The light and fan will come on automatically.

### Safety Systems

- The BL2000 is equipped with a safety system that cuts off the electric power in the cable if the balloon overheats.
- Make sure the balloon is always under surveillance.

### **Disassembly**

#### **Deflation**

- Disconnect the BL2000.
- Take the BL2000 off its optional pole.
- Wait 5 minutes for the bulb to cool.
- Open the zip to accelerate deflation.

#### **Folding and Storage**

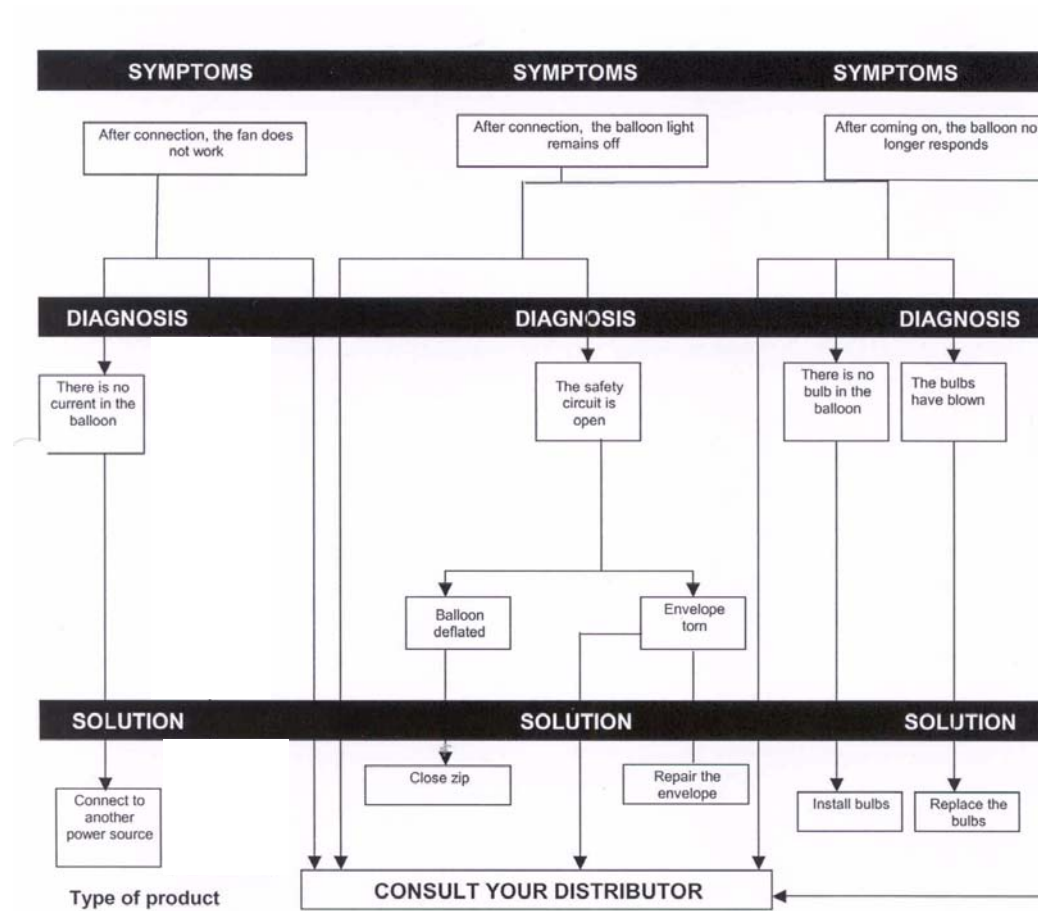
- We recommend you remove the bulbs and store them in their box.
- Place the BL2000 in its storage bag.

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# **TROUBLESHOOTING**

## MALFUNCTIONS and SOLUTIONS





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