Bianco NXT L Series

LB: Light Duty Dewatering Pump

LSC: Puddle Sucker Pump

BIA-LB530A – 810678

BIA-LSC530 – 810677

Installation and Operation Manual



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2. Warranty – General Notes

Warranty applies to manufacturing or material defects.

The unit must always be handled properly according to instruction manual.
The unit must not have been modified or have been repaired by any person other than authorized service agents

Warranty no longer applies in the following cases:

- Non-compliance with the instructions especially non-protection against freezing, pumping sand, dry running, incorrect electrical connection
- After attempting to repair the unit
- Changes in the technical elements of the pump
- Use of replacement parts other than original.
- Damage / malicious (dropping or external damage
- Inappropriate use (e.g., industrial, continuous operation), and in particular passage of hard and heavy particles (stones, or sticks), passage of an excessive amount of sand, salt water, water with high lime content, liquid with a high vegetable matter content, i.e. grass or leaves
- Lack of maintenance or cleaning

A repair or exchange with a new product during the warranty period does not extend the original warranty period.

Any claim against warranty on a ‘return to base’ basis and must be accompanied by all accessories. Proof of purchase and proof of sale will be required along with a full and clear explanation of the issue or observed symptoms/behaviours. Installation photos will expedite the process.

3. Introduction

Thanks for choosing the **Bianco NXT LB530A** (light duty, occasional-use pump with a flexible control float) or the **Bianco NXT LSC530** puddle pump (manually operated light duty, occasional-use pump) suitable for pumping mostly clean water with minimum soft solids or other contamination.

The **LB530A** offers outstanding flow and head for its size and is ideal for those times when you have a de-watering task – emptying sumps and flooded areas or for transferring water from a tank, shallow well, or pond.

The **LSC530** is a 'manually controlled 'puddle sucker' type. Once primed and pumping, it will pump down to depths less than 3mm making it ideal for basement or garage drainage applications.

Both models are uncomplicated electrical appliances. The purpose of this manual is both to ensure user safety and to prolong the lifespan of the product by highlighting 'best practice'.

4. Key Features

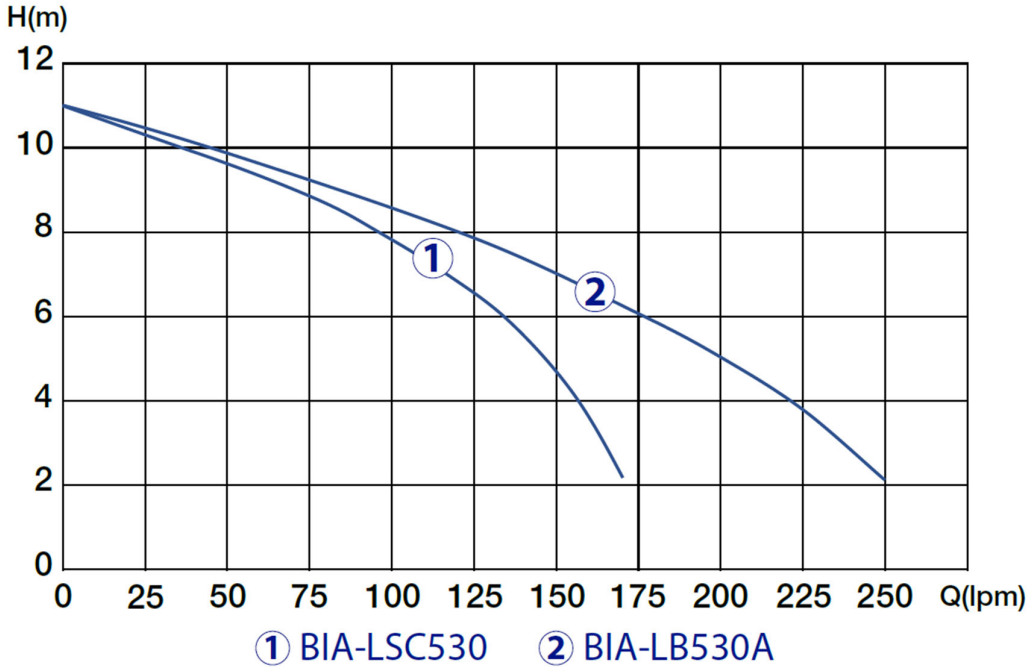
<table>
<tr><th>Models</th><th>LB530A</th><th>LSC530</th></tr>
<tr><td rowspan="2">Benefits</td><td colspan="2">Light and compact – easy to use</td></tr>
<tr><td>Can be used in compact pump chambers (500mm x 500mm)</td><td>Once primed and running can pump down to very low levels</td></tr>
<tr><td rowspan="4">Features</td><td colspan="2">Quality pump materials and construction
to ensure reliable operation</td></tr>
<tr><td colspan="2">Outlet can be configured for vertical or horizontal operation</td></tr>
<tr><td>Fully automatic operation
flexible float controlled</td><td>Manual Operation</td></tr>
<tr><td>2" DN Outlet – horizontal or vertical discharge</td><td>2" GAS thread Outlet – horizontal or vertical discharge</td></tr>
<tr><td>Cautions</td><td colspan="2">• Not intended for submersion greater than 3m
• Not intended for continuous operation such as water features or fountains
• Not suitable for potable water applications
• Not for use with biological wastewater or water with high sand or solids content.
• Saltwater; acceptable pH 6.5 – 8.5
• NEVER use the LB530A or LSC530 to pump corrosive, easily combustible, aggressive, or explosive liquids such as petroleum products</td></tr>
</table>

5. Warning Symbols and Specific Warnings

	Warning – Electrical safety
	Warning – Potential consequences of use outside of intended application(s). Includes environmental condition warnings.
	Mandatory warning
	Warning to disconnect power
	Read carefully

	Prior to starting installation or any maintenance the pump must be disconnected from the power supply.
	Any changes or modifications, especially to the wiring, must be carried out by suitably qualified personnel.
	To avoid excessive thermal shock to the motor the pump should not start more than 20 times in any one-hour period.
	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
	Running the pump without water or allowing the pump to run dry will damage the pump, voiding the warranty
	The pump must not be disposed of with normal household waste. Dispose of in accordance with local environmental regulations.

6. Technical Data



MODEL	LB530A	LSC530
RATED POWER (W)	530W	
MAX. FLOW [LPM]	250 lpm	170 lpm
MAX. HEAD [M]	11m	
WORKING TEMPERATURE	< 40°C	
LIQUID TEMPERATURE	3 – 40°C	
MAX. IMMERSION DEPTH	3m	
MAX. DIA. OF PARTICLE	< 6 mm	< 2 mm
MOTOR DUTY	S1 Continuous	
MOTOR PROTECTION LEVEL	Class B	
MOTOR PROTECTION	Auto resetting thermal overload	Auto resetting thermal overload
CAPACITOR	10UF +/-5% 450V	
MOTOR SHAFT	SS 201	
RATED VOLTAGE	220 – 240V 50Hz	
RATED CURRENT	2.0 Amp @ 230V	
POWER CABLE LENGTH	10m H07RNF	
PROTECTION CLASS	IPX8	
IMPELLERS	Single impeller	
HYDRAULIC BODY	AlSi12 with industrial grade coating	
OUTLET	2” DN hose tail	2” GAS thread
SEALS	Graphite/Ceramic	
AUTOMATIC FUNCTION	Flexible float	None – manual operation only
NET WEIGHT [KG]	Pump only 13.5 kg	Pump 13.0 kg
PACKAGE DIMENSION	220 x 220 x 340mm	230 x 230 x 270mm

7. Installation and Operating Instructions

The Bianco NXT **LB530A and LSC530** are light duty, occasional-use pumps suitable for use pumping lightly soiled water containing some soft solids.

These pumps should never be used to pump flammable or corrosive fluids or to be used in an area than may have explosive atmospheres, such as in the presence of flammable liquids, gases or dust.

Avoid the use of adapter plugs. Unmodified plugs and matching sockets will reduce risk of electric shock. Do not use the pump if safety devices are damaged or unreliable. Never deactivate safety devices.

Take care with the power lead. Never use the lead for carrying, pulling or unplugging the pump and keep the lead away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

If it is necessary to use an extension cord, ensure it is suitable for outdoor use to reduce the risk of electric shock.

Overly long or lightly rated extension cords can create a voltage drop and shorten the working life of the pump

The pump should be connected to (10 Amp) power outlet equipped with a residual current device. The RCD should be installed and meet nominal trip current of 30mA in compliance with the requirements of AS/NZ 3000.

The pump has an automatic reset thermal overload protection built in. This thermal overload will switch the motor off in an overload/overtemperature situation and will automatically reset when the motor has cooled down.

Unplug the equipment from the mains before any interventions.

7a) LB530A – Light Duty Dewatering Pump

Attach a lifting rope or chain to the handle.

Avoid lifting using the power lead.

Maximum submergence 3m

Take care the pump is positioned so the float doesn't become snagged in the ON position, allowing the pump to run dry.



If using flexible piping, take care to ensure there are no blockages or kinks.

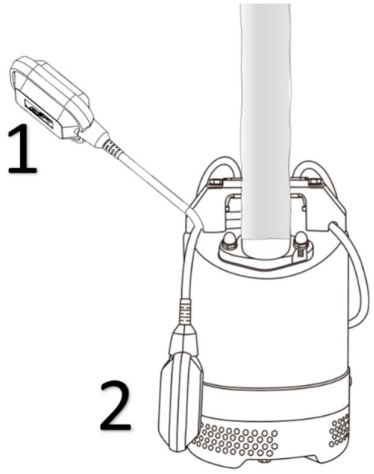
Avoid using discharge piping smaller than the outlet.

The outlet can be configured for vertical or horizontal discharge.

Avoid liquid containing hard solids or excessive silt.

Install on a level surface.

LB530A – Additional Notes



The pump will start pumping when the fluid has lifted the float switch fully **(1)**.

The pump switches **OFF** when the float switch has returned to the down position **(2)**.

The float switch must be able to move in such way that the pump cannot run dry.



1. Connect a discharge pipe with a diameter at least equal to the diameter of the pump outlet (50mm / 2" or larger)

2. Lower the pump in the liquid to be transferred at a 45-degree angle to reduce the amount of air trapped in the pump body

If the pump rests on the bottom, make sure it is on a flat and stable surface

3. Make sure that no one is present in the liquid to be pumped

4. Plug the pump to the mains

- Clean the pump with clear water after use.
- Regularly remove dirt that may accumulate in the sump.
- Do not expose to frost.
- Avoid shocks, do not let the pump fall.



The pump must not be disposed of with normal household waste.

Dispose of in accordance with local environmental regulations.

7b) LSC530 – Puddle Sucker Pump

Attach a lifting rope or chain to the handle.

Avoid lifting using the power lead.



The LSC530 is turned on and off manually.

It should never be left running unattended

Maximum submergence 3m

The outlet can be configured for vertical or horizontal discharge.

If using flexible piping, take care to ensure there are no blockages or kinks.

Avoid using discharge piping smaller than the outlet.

Avoid liquid containing hard solids or excessive silt.

Install on a level surface.

8. Trouble-shooting Guide

Symptom	Check	Suggested Actions
The motor does not start and makes no noise.	Is the pump plugged in?	Check the electrical supply.
Pump does not deliver.	Does the impeller rotate? Is it in good condition? Is the pump inlet free? The delivery head requested may exceed the performance of the pump or the discharge pipe is too narrow.	Eliminate any reasons for blockage. Clean the pump inlet. Ensure the pump is used accordance with its technical capabilities.
The pump stops suddenly	Check – is there sufficient water level? Intermittent pump inlet obstruction? Has the pump run for a long time without stopping? (Thermal protection activated?) Is the temperature of the liquid less than 35°C?	Check the sump for water level and any possible contamination which could interrupt water supply. Disconnect the pump from the mains and let it cool. Observe the maximum allowable temperature (40ºC).
Flow decreases	Is the pump inlet clean? Is the impeller clean? Ensure the discharge pipe is not partially clogged.	Inspect and clean the suggested areas.
Low flow or insufficient flow	Are you sure that the pump inlet is not obstructed? Is the impeller clean? Are you sure that the outlet pipe is not obstructed? Is the diameter of the discharge pipe big enough?	Clean the zone(s) concerned and verify check valve (if fitted). Connect a pipe of a suitable diameter. Eliminate obstructions or kinks in the discharge pipe.

9. Warranties – Terms and Conditions

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:



1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.

2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaired.

3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to: (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and

6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.

7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.

8) Our warranty commences from the date of purchase of the above-mentioned products. Proof of purchase is required before consideration under warranty is given.

Print a copy of this page and record your date of purchase in the space below.
Retain the printed copy along with your purchase receipt for your records.

Date of Purchase ..... **Model Purchased** .....

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