

EBAC BD70 AND BD150 OPERATING INSTRUCTIONS



Safety First!

Read all of this leaflet and any others issued by the Hire Shop before you start work.

Electricity is dangerous and must always be used with great care.

Water and electricity make a very dangerous combination. Take care to keep them apart.

Use this equipment only for the purpose for which it was designed.

Carelessness or misuse could cause electric shock, fire, or a repair charge.

Before Starting Work

Check all your equipment. Do not use anything found damaged - contact the hire company at once.

Do not remove any covers or otherwise interfere with the unit, should the equipment fail to operate, do not attempt repairs, contact the hire company.

Check that the plug on the equipment you are using matches the supply. Do not try to force or improvise connections.

Do not operate unit with a higher or lower voltage than shown on the rating plate. To do so will damage the unit.

Do not use electrical equipment where there is a danger of explosion. Sparks can ignite fumes from leaking petrol or gas cylinders.

Keep electrical equipment out of rain and water. Ensure that the power supply is earthed correctly.

Operation on 240V supplies

It is advisable to use a residual current device ("rcc") plugged directly into the 240 volt socket. Plug your machine into the rcc. This will help to protect you against electric shock caused by faults on the 240 volt cable and in the unlikely event of a machine fault.

Use the 'TEST' button to check that the rcc is working each time you use it. Reset the rcc according to the instructions supplied with it.

If you need an extension cable use a suitable one. Plug it directly into the rcc. Avoid the use of long cables which will cause voltage drop.

Lay out extension cables carefully avoiding liquids, sharp edges and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.

Never operate a machine with a damaged power supply cord.

110 volt machines

If you are using a portable transformer, plug it straight into the 240 volt socket.

If you need an extension cable, use a suitable one. It must be used between the transformer and the machine. Avoid the use of long cables which will cause voltage drop.

Lay out extension cables carefully avoiding liquids, sharp edges and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.

Never operate a machine with a damaged power supply cord.

SPECIFICATION

Ebac Building Dryers are ideally suited to reducing the humidity present in new buildings or those left empty for long periods, by drawing out the moisture content that is present in walls, ceilings and floors. It could also be used in the aftermath of flooding, burst pipes or to dry out carpets.

EBAC BD70 AND BD150 BUILDING DRYERS

POWER SUPPLY

Model	Voltage	
BD70 Dual Voltage	110v/240v	1022900
BD70 Single Voltage	240v	1016900
BD150 Dual Voltage	110v/240v	1021800
BD150 Single Voltage	240v	1021900

NORMAL WATER EXTRACTION RATE

	Temp:	Relative Humidity	Watts
BD70 4.5 litres (1 gal) per 24 hours	15°C	65%	350
BD150 18 litres (4 gal) per 24 hours	15°C	65%	1000

MAXIMUM WATER EXTRACTION RATE

	Temp:	Relative Humidity	Watts
BD70 20 litres	45°C	90%	500
BD150 82 litres	45°C	90%	1500

DIMENSIONS

Weight	Height	Width	Depth
BD70 27kg	BD70 508mm (20 1/2 ins)	305mm (12 1/2 ins)	305mm (12 1/4 ins)
BD150 55kg	BD150 915mm (36 ins)	610mm (24 ins)	629mm (25 ins)

GENERAL

- Ebac building dryers can be stored and transported in a horizontal or a vertical position. To operate stand upright, connect power and the unit is ready for immediate operation.
- When a generator is used to supply the power, it is advised that a minimum rating of 2.5 KVA is required for the BD150. And 0.6 KVA for the BD70.
- The generator MUST be started BEFORE connection is made to the unit.

OPERATION

Ensure that all EXTERNAL doors and windows are CLOSED. Where no doors or windows are fitted, temporarily screen off the openings.

- Positioning the Dryer**
 - For small areas position centrally in the area to be dried.
 - For larger areas such as open plan buildings, offices or factories, a number of dryers may be required, in such cases they should be spaced evenly around the area. Ensure that no unit is positioned in such a way that it blows directly into another.
 - For private houses or flats, position the dryer on one floor at a time, starting with the lowest floor, closing all internal doors on the floor previously dried. Continue until all floor levels have been dried.
NOTE: When a particular damp patch is to be dried out the air outlet grille should be directed towards that area but should NEVER be closer than 1m to the surface. At no time should the inlet or outlet grilles be covered or obstructed.
- Drainage from Dryer**

Under most operating conditions water will be produced continuously and it is important that it is drained away correctly and not allowed to spill. Any spillage will evaporate and will, therefore, have to be recycled through the dryer again, which, in effect, only prolongs the drying out period.

 - Portable Containers**

Position a closed top container underneath the water discharge pipe (approximately 8 litres for the BD70 and 25 litres for the BD150). Place a short length of pipe one end over the discharge pipe and the other end in the container. Use a transparent container, this will enable the operator to check the level of water and so prevent overflowing. As the unit will be running for long periods of time, a regular check should be made on the container water level.
 - Permanent Drainage**

Connect a flexible hose to the water discharge pipe of sufficient length so that it will reach a permanent drain. The gravity head created will allow for a gradual fall from the unit to the drain. Ensure that the hose is free of kinks and is not allowed to rise at any point above the level of the discharge point from the dryer. Any air locks which may be created, should the level be raised by the hose passing over obstructions, could cause the water to "back up" the hose and spill from the dryer.
- Switching on**

BD150

- Check that the voltage changeover switch is set to "OFF" then connect dryer to power supply.
- Switch on Power supply and then select appropriate voltage (if applicable).
- Press Start Button.
Note: If the unit fails to start
 - Check voltage selector is set correctly.
 - Check mains supply.
 - If unit fails to start, DO NOT attempt to rectify. Contact the Hire Company immediately.

BD70

- The BD70 will have been pre-set to the correct voltage by the Hire Shop. Please ask the Hire Shop to verify the voltage setting is correct when the unit is hired.
- Plug in the power supply and switch on.

Switching Off

- BD150 Turn voltage changeover switch to the "off" position and disconnect power supply.
BD70 Turn off power supply and disconnect.

Running Costs

Typical operating costs for Ebac Building Dryers are as follows:-

- BD 70 = 2 1/2 pence per hour
BD 150 = 8 pence per hour

