

# BD70 Dehumidifier



## KEY DESIGN FEATURES

BD70

- Hot Gas Defrost.
- Gravity Drain.
- Rugged Carring Handle.
- Quiet Operation.
- Plug & Play Operation.

## **BD70 DV - Additional Features.**

- Dual Voltage Operation.
- Concealed Voltage Selection Switch.

RUGGED, RELIABLE, PRACTICAL, VALUE FOR MONEY - THE NO.1 SOLUTION FOR DRYING - PLASTER, CONCRETE, CARPETS, PAINT, DRYLINING, DE-FLOODING

## SPECIFICATIONS

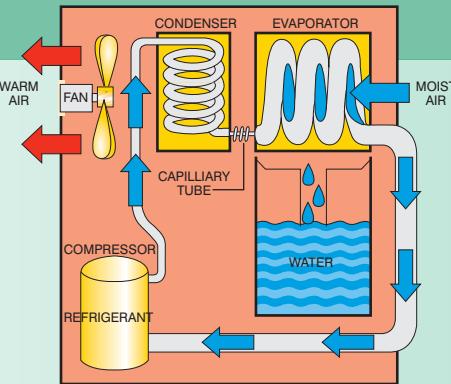
SPECIFICATIONS	BD70	BD70 DV
	10169MG-GB	10229MG-GB
Height (mm)	508	508
Width (mm)	305	305
Depth (mm)	305	305
Weight (kg)	25	27
Voltage (V)	230	110/230
Phase	1	1
Frequency (Hz)	50	50
Current (A)	2	4/2
Power (KW)	0.46	0.46
Airflow (m3/hr)	170	170
Noise Level (dBa)	50	50
Effective Volume (m3)	100	100
Typical Extraction (l/d)	12	12
Min Operating Temp (°C)	3	3
Max Operating Temp (°C)	35	35

FEATURES	BD70 10169MG-GB	BD70 DV 10229MG-GB
Hot Gas Defrost	✓	✓
Voltage Selector Switch		✓
Portable	✓	✓
Electronic Defrost Control	✓	✓
Moulded Plug	✓	
Gravity Drain	✓	✓
Castors	✓	✓
Refrigerant	R290	R290
Steel Construction	✓	✓
Stoved Epoxy Textured Finish	✓	✓

**DESIGNED AND MANUFACTURED IN THE UK - SPECIFICALLY FOR THE UK CLIMATE**

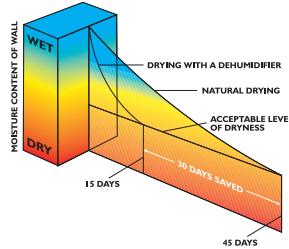
# HOW A DEHUMIDIFIER WORKS

1. Air is drawn into the unit by a fan
2. Air passes over a cold surface
3. As the air is cooled, it's moisture condenses
4. Water falls into the container
5. Air is re-heated by the heat recovery system
6. Air passes back into room 2°C warmer and considerably drier
7. Defrost system automatically de-ices unit as necessary
8. Unit switches off automatically when container is full
9. When the unit achieves the selected level of dryness it switches off automatically



## APPLICATION

Whether there's a need for fast, reliable and energy-efficient drying, EIP Ltd (Ebac Industrial Products Ltd) has the answer. In new building construction, in renovation or alteration of existing buildings, or in special circumstances such as flooding, there's no quicker, surer or more economical way to reduce moisture without risk of damage to the building materials. Consider the alternatives. Natural drying will get the job done – eventually. But EIP Ltd Building Dryers cut natural drying times by two thirds. Drying can also be achieved by wasteful heating and venting – but at what cost?.



APPLICATIONS	BD150
Building Sites	✓
Plaster	✓
Concrete	✓
Paint	✓
Warehouses	✓
Basements	✓
Joinery	✓
Deflooding	✓

## RELIABLE PERFORMANCE

No matter how extreme the conditions, EIP Ltd's efficiency copes comfortably. All units operate economically even on the coldest winter day – and where dampness is really severe, up to 20 litres of water can be extracted from the atmosphere in just 24 hours using the BD70. The EIP Ltd range of dryers are designed to cope with demanding site conditions, spending their time on hire. Earning you money year after year.

## OPERATIONAL SIMPLICITY

Simplicity of operation is one of the major benefits of the EIP Ltd range. To dry out any building you need only to check that all doors and windows are closed, wheel the unit to a convenient location, connect to the supply and turn on. Drainage of condensate from the machine is equally simple – either by connecting a hose to the drainage spout and leading it to a drain (ensuring hose is always below the level of the drain outlet), or by placing a container under the spout.

## A VERSATILE PRODUCT

Differing circumstances present different problems – but EIP Ltd Building Dryers have been designed to provide an effective solution whatever the situation. In newly built or partially completed buildings, EIP Ltd Dryers enable interior plaster, screeds and timberwork to be dried at a controlled rate. This means that decorators can work systematically, keeping to the required schedule, regardless of weather conditions. The powerful BD150 will normally complete the drying of a house within three weeks, but in optimum conditions this can be cut to one week.

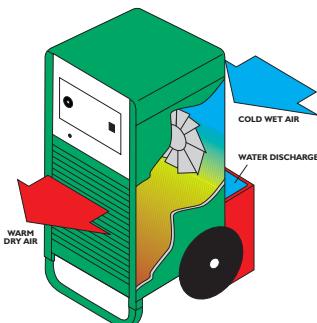
## RUGGED CONSTRUCTION

Over forty five years of development experience has brought the EIP Ltd range to its current peak of performance. Every machine is built for efficiency and built to last – the popularity of EIP Ltd Dryers with the plant hire trade speaks for their reliability, portability and outstanding durability thanks to the heavy duty welded steel construction. The BD70 model even features an internal voltage protection system to ensure that accidental connection to the wrong supply will not harm the machine.

Designed for total safety and easy maintenance, should it be required. EIP Ltd Building Dryers have won universal admiration in the demanding plant hire business.

## THE INSIDE STORY

Air is drawn into the dehumidifier by means of a fan. The moisture is then condensed from the air and piped away or collected in a container. The dry air is heated with the energy recovered during the drying phase and returned to the room. This process lowers the relative humidity of the air, increasing its capacity to absorb more moisture from surrounding surfaces.



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