Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase



Model Number: 13223BB-US

Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Manufacturer: Ebac

Ebac 13223BB-US FD100 / LD3000 Lumber Dryer | 220V 60Hz 1 Phase Wood Kiln Drying System
Part Number: 13223BB-US
The Ebac FD100, formerly marketed as the LD3000 lumber dryer, is a mid-range wood drying system designed for small commercial sawmills, portable sawmill owners, woodworkers, lumber retailers, furniture builders, and craftsmen who want to produce kiln-dried lumber in their own drying chamber.
This wall-mounted dehumidification lumber dryer is designed to dry approximately 3,000 board feet of 1" hardwood when installed in a properly built and sealed kiln chamber. Ebac lists this unit as a packaged drying system ready for installation into a home-built drying chamber and capable of drying wood to low moisture levels.
:contentReference[oaicite:0]{index=0}
Best Uses

- Portable sawmill lumber drying
- Small commercial kiln drying operations
- Furniture and cabinet shop lumber preparation
- Wood retailers needing consistent kiln-dried stock
- Craftsmen drying hardwood, slabs, and specialty lumber

Key Benefits

- 220V single phase power – no 3-phase power required
- Wall-mounted design for use in a customer-built kiln chamber
- Internal dehumidification system removes moisture and drains it outside the kiln
- Supplemental heater helps maintain drying temperature
- Designed for controlled drying to reduce checking, degrade, and excessive drying stress
- Includes PVC drain tubing and clamp per Ebac package contents

How It Works
The FD100 / LD3000 pulls warm, moist air from the wood stack, removes moisture through the refrigeration/dehumidification system, drains the collected water outside the chamber, reheats the air, and recirculates the dry air through the lumber stack. Drying temperature and humidity are managed through the controller setup and kiln operating procedure.
Specifications

Manufacturer	

Steambrite Supply

Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Ebac

Model
FD100 / LD3000

Part Number
13223BB-US

Voltage
220V

Frequency
60Hz

Phase
1 Phase

Current
12 Amps

Dryer Power
1100 Watts Max

Heater Power
1500 Watts, intermittent operation

Height
33"

Width
43"

Depth
12"

Steambrite Supply

Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Weight
167 lbs

Maximum Operating Temperature
122°F

What Is Included

- 1 Ebac FD100 lumber dryer
- FD100 owner’s manual
- 16mm ID PVC drain tubing, 3 meter length
- Jubilee hose clamp

Important Installation Notes

- Requires a suitable fused 220V power outlet.
- Electrical work should be completed by a qualified electrician and must follow local codes.
- Drying performance depends on kiln chamber design, insulation, sealing, airflow, wood species, board thickness, initial moisture content, and drying schedule.
- The lumber dryer is the drying unit only; kiln building materials, chamber construction, and any site wiring are not included unless specifically stated.

FAQ
Is this the same as the LD3000?
Yes. This listing is for Ebac part number 13223BB-US, commonly referenced as the FD100 and previously associated with the LD3000 lumber drying system.
How much lumber can it dry?
The LD3000 was marketed for approximately 3,000 board feet of 1" hardwood in a properly designed kiln chamber. Actual results vary by wood species, thickness, chamber design, and drying conditions.
Does this require 3-phase power?
No. This model is listed as 220V, 60Hz, single phase, 12 amps. :contentReference[oaicite:1]{index=1}
Can mixed species and thicknesses be dried together?
Ebac literature notes that mixed species and board thicknesses can be dried together, but best results normally come from drying similar lumber together whenever possible. :contentReference[oaicite:2]{index=2}
Is the kiln chamber included?
No. This is the drying system for installation into a properly built chamber. The kiln structure is customer supplied.
SEO Keywords

Steambrite Supply

Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Ebac FD100, Ebac LD3000, 13223BB-US, lumber dryer, wood kiln dryer, dehumidification kiln, portable sawmill lumber dryer, hardwood drying kiln, 220V lumber drying system, single phase kiln dryer.
One of our mid-range lumber drying systems the LD3000 will dry 3000BF of 1" hardwood quickly and economically. This unit is designed and priced for use by small commercial lumber drying operations or those with portable sawmills who wish to improve their bottomline by offering kiln-dried, high quality wood. It utilizes the same plug-N-play technology of our smaller units, eliminating costly electrical contractor costs. Typical owners of this unit are sawyers, loggers, lumber wholesalers, larger furniture manufacturers, and craftsmen.
The unit comes complete with 2 powerful internal fans, 2 external 16" fans, dehumidification system, heating element, master controller and optional vent system. A rugged and durable piece of equipment, it is not uncommon for this unit to log over 50,000 hours of drying prior to any significant maintenance.

Drawing upon over a quarter century of supplying high value lumber dryers to the world market, EBAC provides proven, complete design and construction plans for the LD3000 kiln structure.

This model is wall mounted in the kiln structure. 2 powerful internal fans pulls in the wet air from the woodstack. The dehumidifier portion of the unit removes the moisture from the air. The moisture which has been removed from the wood, is drained through a hose to the outside of the kiln. The now dry air is reheated and blown by the two externally truss-mounted fans through the woodstack to repeat the process. Temperature and Relative Humidity are regulated by adjusting the Master Controller, which is mounted on the outside of the kiln structure.

Height: 33" (820mm)

Width: 43" (1070mm)

Depth: 12" (290m)

Weight: 167 lbs (76Kg)

Airflow: (internal fans): 600CFM
(1028m3/hr)

Airflow: (external fans): 5000CFM
(8600 m3/hr)
Power Rating: (dryer) 1100W (Max.)

Power Rating: (heater) 1500W
(Intermittent Operation)

Steambrite Supply

Equipment: Restoration > Dehumidifier > Industrial and Lumber Dehumidifiers > Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Ebac 13223BB-US LD3000 Lumber Dryer FD100 220V 60hz 1 Phase

Power Requirements:
220V/60HZ/1PH - 12 amps
Maximum Operation Temp.: 122F (50C)

Availability: This product was added to our catalog on Sunday 06 February, 2005

Steambrite Supply