

# SINGLE DOOR RETARDER/PROOFER **LRPR-1**

### Construction Features

- ◆ Heavy-duty stainless steel exterior with 300 Series stainless steel interior and aluminized steel top
- ◆ Foam-insulated walls, ceiling and door
- ◆ Modular wall and ceiling panels with cam interlocks
- ◆ Tubular heaters; non-submerged to extend life
- ◆ Lightened interior
- ◆ Inner bumpers to protect interior walls and doors
- ◆ High capacity refrigeration system with epoxy coated evaporator coils
- ◆ 208/240 VAC single or 3-phase power, field convertible



### Performance Features

- ◆ Dual purpose, provides both proofing and retarding
- ◆ Rapid responding air-wash heat and humidity system
- ◆ Proofing Temperature Range: 70-120 deg F
- ◆ Retarding Temperature Range: 34-45 deg F
- ◆ Humidity Range: 50-99%
- ◆ Evaporators sized for high humidity levels to prevent drying of product

### Rack Capacity:

Model	Side Load	End Load	Double
LRPR1-40HO-C	1	1	N/A
LRPR1-50HO-C	2	1	1
LRPR1-60HO-C	2	2	1
LRPR1-70HO-C	3	2	1
LRPR1-80HO-C	3	3	1
LRPR1-90HO-C	4	3	2
LRPR1-100HO-C	4	4	2
LRPR1-110HO-C	5	4	2

### Controls Features

- ◆ All digital controls mounted in the door at eye-level
- ◆ PID Type controls for rapid accurate response without overshoot



Meets UL 197 and NSF 2 Standards

### Short Bid Specification:

Proofer Retarder shall be an **LBC Bakery Equipment Model LRPR1-\_\_HO-C** (insert 40, 50, 60, 70, 80, 90, 100, or 110 to indicate desired depth). Appliance shall be a single-wide roll-in rack unit, electrically heated (5 to 6.6 kW) with a single door, a quick response air-wash heat and humidity system, high output refrigeration system that includes the solenoid valve(s), expansion valve(s), line dryer(s) and epoxy coated evaporator coils, and modular foam-insulated panel construction. Interior shall be 300 series stainless steel with perimeter bumpers to protect door and walls. Door shall have a magnetic seal, an automatic closer and a full-width protective bar handle. Computerized control shall be door mounted at eye-level with accurate LED displays for Time, Temperature and Humidity. Complete appliance shall have all features listed and, if selected, optional 300-series stainless steel floor and/or 72610-48 water filtration system. Pre-charged refrigeration shall be optional.

# Technical Data

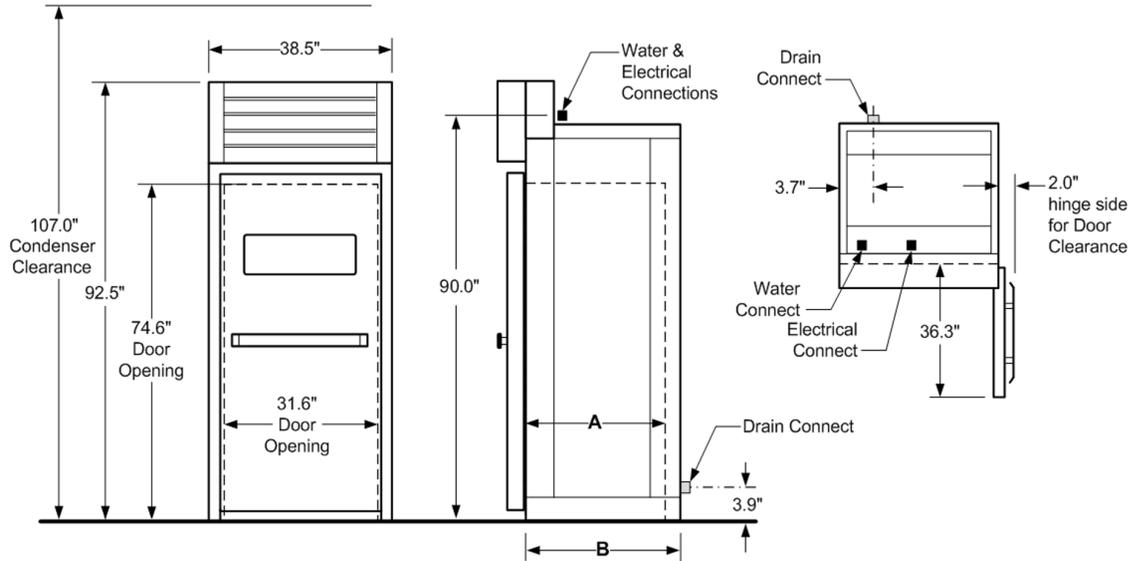
## SINGLE DOOR RETARDER/PROOFER LRPR-1

### Installation Requirements:

- Factory authorized start-up required
- Ships knocked down. Requires on-site assembly
- Appliance is designed to operate at normal room temperatures
- Should not be installed within 4" of oven or other heat source to prevent heat transfer
- Clearance to combustibles is 0" sides and back
- Floor must be level to within 1/8" per foot. Difference for entire floor must not exceed 3/4"
- For installation on non-porous surfaces only



**PLEASE NOTE:** When ordering precharged unit with ceiling mounted condenser, please add 16.9"



### Utility Requirements:

Model	Cooling *		Heating * (6.0 kW max)			Retarder kBTU @ 35 deg F
	MCA	MOP	MCA 1 ph	MCA 3 ph	MOP	
LRPR1-40HO-C	6	15	34	20	50	3.5
LRPR1-50HO-C	6	15	34	20	50	3.5
LRPR1-60HO-C	7	15	34	20	50	4.5
LRPR1-70HO-C	7	15	34	20	50	4.5
LRPR1-80HO-C	8	15	34	20	50	5.5
LRPR1-90HO-C	8	15	34	20	50	5.5
LRPR1-100HO-C	9	15	34	20	50	7.0
LRPR1-110HO-C	9	15	34	20	50	7.0

\* 2 separate electrical supplies required

### Dimensions:

Dim A (in)	Dim B (in)
32.1	41.0
42.1	51.0
52.1	61.0
62.1	71.0
72.1	81.0
82.1	91.0
92.1	101.0
102.1	111.0

### Shipping Information:

Weight (lbs)		Freight Class
Actual	Shipping	
900	1000	85
991	1116	
1094	1219	
1197	1322	
1321	1446	
1424	1549	
1527	1652	
1651	1776	

### Minimum Water Quality Requirements:

Alkalinity < 22 ppm	Magnesium < 0.65 ppm
Aluminum < 17 ppm	pH = 8.5
Calcium < 3 ppm	Sodium < 8.5 ppm
Free Chlorine Radical < 0.6 ppm	Total Hardness < 11.9 ppm

Note: Your local water conditions may damage your LBC appliance. Failure to properly treat water may result in damage and may void your warranty. Ensure that your water supply meets these minimum water quality specifications.

### Water Requirements:

Water	Drain
1/2" NPT, cold, filtered 0.07 gpm @ 60 psi	3/4" copper, Route to air gap drain