

**Retarder Proofer — One Door, Remote Refrigeration**

**Series LRPR1-HO**



LRPR1-40-HO



Meets UL 197 and NSF 2 Standards

**Short Bid Specification:**

Proofer Retarder shall be an **LBC Bakery Equipment Model LRPR1-\_\_HO** (insert 40, 50, 60, 70, 80, 90, 100, 110 or 120 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. **Requires remote refrigeration by others. Optional refrigeration condensers are also available.**

**Standard Product Warranty:**

One Year Parts and Labor (Contiguous US, Alaska, Hawaii & Canada)

**Rack Capacity:**

Model	Side Load	End Load	Double
LRPR1-40HO	1	1	N/A
LRPR1-50HO	2	1	1
LRPR1-60HO	2	2	1
LRPR1-70HO	3	2	1
LRPR1-80HO	3	3	1
LRPR1-90HO	4	3	2
LRPR1-100HO	4	4	2
LRPR1-110HO	5	4	2
LRPR1-120HO	5	5	3

**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
- Lighted interior
- Inner bumpers to protect interior walls and door
- Door can be hinged to open from left or right
- High capacity refrigeration system with epoxy coated evaporator coils
- 208 or 240 VAC 1-phase or 3-phase power, field convertible
- Refrigeration components compatible with R404A refrigerant

**Performance Features:**

- Dual purpose, provides both proofing and retarding
- Rapid responding air-wash heat and humidity system
- Proofing Temperature Range: 70-120 °F
- Retarding Temperature Range: 34-45 °F
- Humidity Range: 50-99%
- Evaporators sized for high humidity levels to prevent drying of product
- Refrigeration system sized for rapid pull-down
- PID-type controller design to ensure rapid and accurate response without overshoot

**Control Features:**

- Control is mounted in the door at eye-level
- Large LED displays for Time, Temperature, and Humidity

**Options and Accessories:**

- Rugged 300-series stainless steel floor
- 72610-48 Water Filtration System
- **Refrigeration Condenser (sold separately)**

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### 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
- refrigeration condenser required (not included)

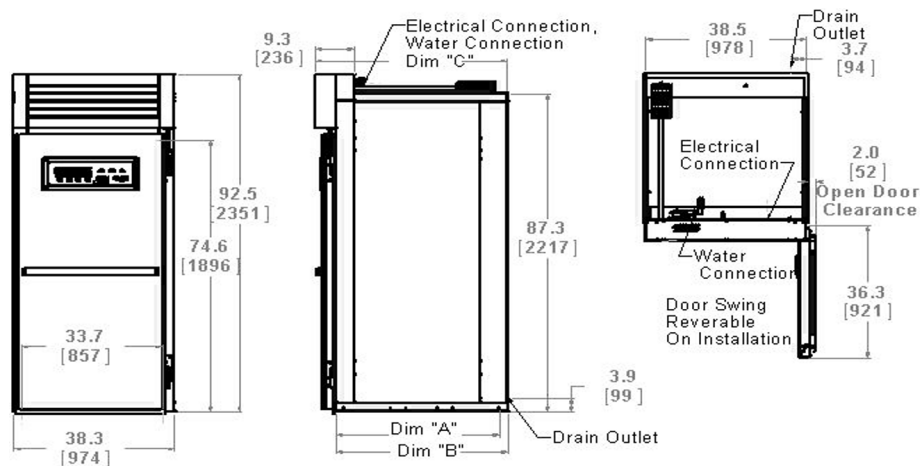
*Note: Refrigeration system requires installation by a licensed refrigeration technician*

### Options and Accessories:

Stainless Steel Floor

72610-48 Water Filtration Assembly

Refrigeration Condenser



### Utility Requirements:

Model	Cooling		Heating (6.0 kW max)			Retarder kBTU @ 35 deg F †	Optional Refrigeration Condenser
	MCA	MOP	MCA 1 ph	MCA 3 ph	MOP		
LRPR1-40HO	6	15	35	20	50	3.5	91500-13
LRPR1-50HO	6	15	35	20	50	3.5	91500-13
LRPR1-60HO	7	15	35	20	50	4.5	91500-14
LRPR1-70HO	7	15	35	20	50	4.5	91500-14
LRPR1-80HO	8.5	15	35	20	50	5.5	91500-15
LRPR1-90HO	8.5	15	35	20	50	5.5	91500-15
LRPR1-100HO	9	15	35	20	50	7.0	91500-18
LRPR1-110HO	9	15	35	20	50	7.0	91500-18
LRPR1-120HO	13	20	35	20	50	9.0	91500-01

### Dimensions:

Dim A (in)	Dim B (in)
39.0	41.0
49.0	51.0
59.0	61.0
69.0	71.0
79.0	81.0
89.0	91.0
99.0	101.0
109.0	111.0
119.0	121.0

### Shipping Information:

Weight (lbs)	Freight Class	
		Actual
900	1000	85
991	1116	
1094	1219	
1197	1322	
1321	1446	
1424	1549	
1527	1652	
1651	1776	
1754	1879	

† The thermal rating is to be used for sizing a condenser (by others) and is therefore not a direct utility requirement for this equipment

*Note: The height may increase to 107.0" overall if an LBC optioned condenser is purchased and installed on top of the appliance.*

### 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