

Item No.: \_\_\_\_\_

Project: \_\_\_\_\_

Quantity: \_\_\_\_\_

**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.**

**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
- 208 or 240 VAC 1-phase or 3-phase power, field convertible (Heating)
- Refrigeration components compatible with R448A 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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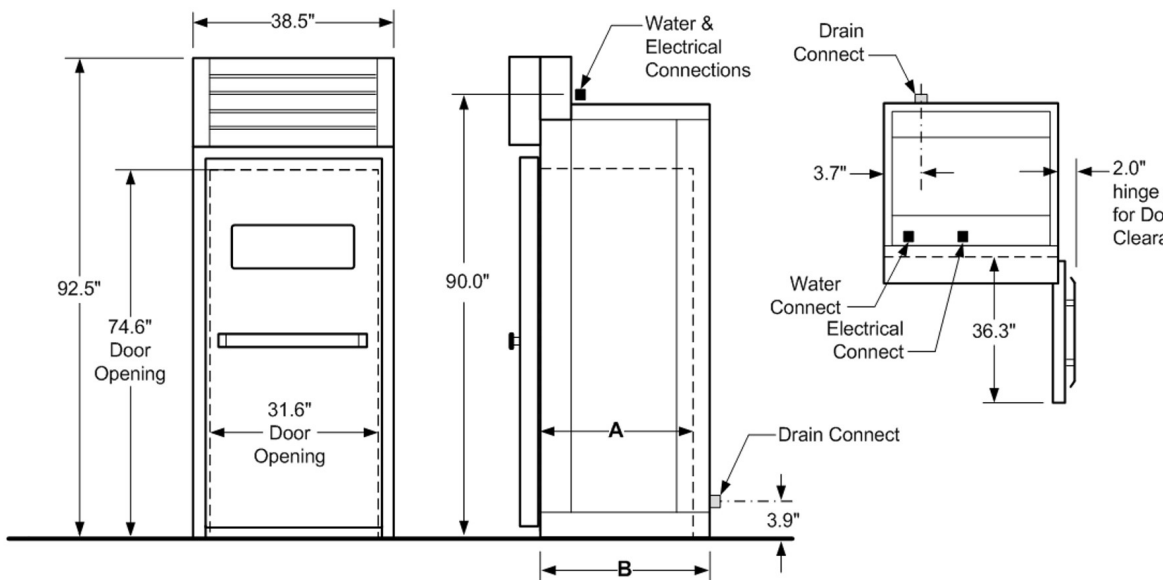
**Installation Requirements:**

- 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



**Utility Requirements:**

Model	Heating (6.0 kW max) 208-240 VAC			Retarder BTU @ 35 deg F †
	MCA 1 ph	MCA 3 ph	MOP	
LRPR1-40HO	35	20	50	3000
LRPR1-50HO	35	20	50	3000
LRPR1-60HO	35	20	50	4300
LRPR1-70HO	35	20	50	4300
LRPR1-80HO	35	20	50	5500
LRPR1-90HO	35	20	50	5500
LRPR1-100HO	35	20	50	6000
LRPR1-110HO	35	20	50	6000
LRPR1-120HO	35	20	50	8600

**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
112.1	121.0

**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	
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

**Water Quality Requirements:**

pH: 7.0-8.5
Total Hardness < 50 ppm
Chlorides < 50 ppm
Total Chlorine < 0.5 ppm
Iron < 0.3 ppm

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