

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

**Series LRPR2N-HO**



LRPR2N-30HO (Rack not included)



**Short Bid Specification:**

Proofer Retarder shall be an **LBC Bakery Equipment Model LRPR2N-\_\_HO** (insert 30, 40, 50, 60, 70 or 80 to indicate desired depth). Appliance shall be a double-wide roll-in rack unit, electrically heated (5 to 6.6 kW) with double doors, 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. Doors shall have a magnetic seal, automatic closers and full-width protective bar handles. 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
LRPR2N-30HO	1	1	N/A
LRPR2N-40HO	3	2	1
LRPR2N-50HO	3	3	1
LRPR2N-60HO	4	4	2
LRPR2N-70HO	5	5	2
LRPR2N-80HO	6	6	2

**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 doors
- High capacity refrigeration system with epoxy coated evaporator coils
- 208 or 240 VAC single 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 deg F
- Retarding Temperature Range: 34-45 deg 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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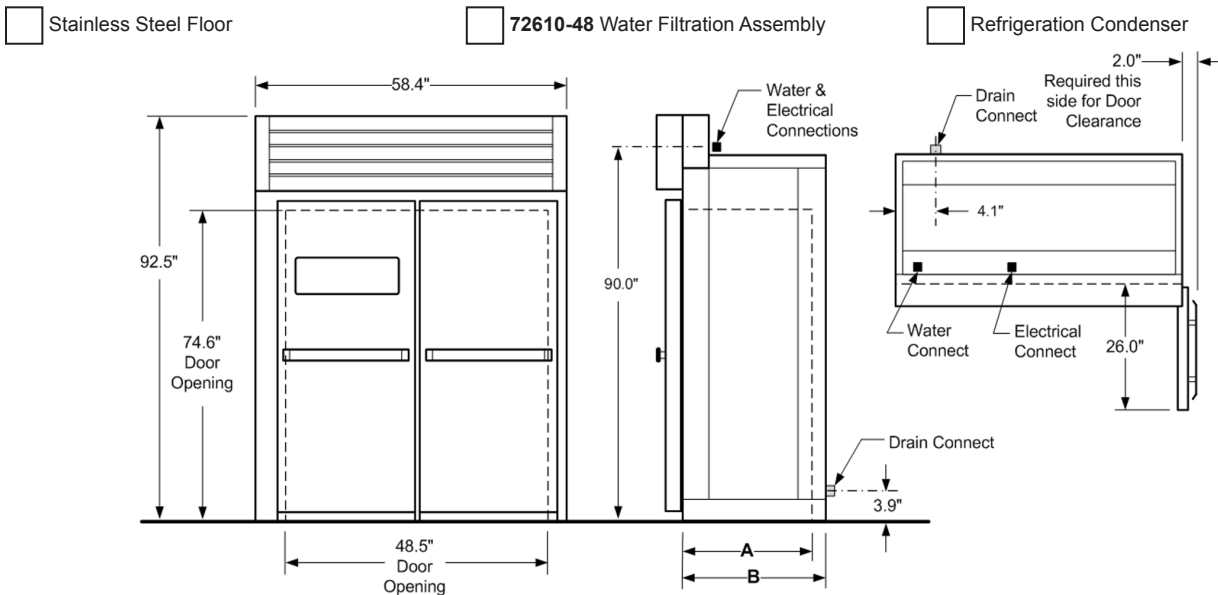
**Series LRPR2N-HO**

**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

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

**Options and Accessories:**



**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		
LRPR2N-30HO	8	15	34	20	50	4.5	91500-14
LRPR2N-40HO	8	15	34	20	50	4.5	91500-14
LRPR2N-50HO	9	15	34	20	50	5.5	91500-15
LRPR2N-60HO	13	20	34	20	50	5.5	91500-15
LRPR2N-70HO	13	20	34	20	50	7.0	91500-18
LRPR2N-80HO	16	20	34	20	50	7.0	91500-18

† The thermal rating is to be used for sizing a condenser (by others) and is therefore not a direct utility requirement for this appliance.  
\* 2 separate electrical supplies required.

*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.*

**Dimensions:**

Dim A (in)	Dim B (in)
29.0	31.0
39.0	41.0
49.0	51.0
59.0	61.0
69.9	71.0
79.0	81.0

**Shipping Information:**

Weight (lbs)		Freight Class
Actual	Shipping	
1100	1200	85
1157	1282	
1329	1454	
1411	1536	
1493	1518	
1665	1790	

**Water Requirements:**

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