

BOHN

THE COLD STANDARD

BN-ETPTB

May 2008

Replaces BN-ETPTB, May 2007

EXTENDED THIN PROFILE UNIT COOLER

Technical Guide

Models LTA | Air Defrost • LTL | Electric Defrost



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Nomenclature

LT	A	053	B	A
Model Series	Model Type	Capacity	Electrical Code	Design Revision
Bohn Extended Thin Profile Unit Cooler	A = Air defrost L = Electric defrost	# BTUH x 100	A = 115/1/60 B = 208-230/1/60	

Features & Benefits

<p>Cabinet</p> <ul style="list-style-type: none"> • Low height makes it the most compact unit for reach-in display cases where space is limited, giving the case a clean look and allowing for more shelving and product storage • Textured aluminum cabinet • Easy access to motors and the refrigerant and electrical components with front access panel • Modular front access panels provide easy access to motors and can be removed independently of the drain pan • Plastic vibration isolators for fan panels and drain pan reduce noise and vibration • Liquid-line solenoid wire harness comes standard for quick installation
<p>Coil</p> <ul style="list-style-type: none"> • Internally enhanced tube design produces better unit performance • Blow-through coil means air is discharged through the coil • Heaters are attached to the coil for easier serviceability • Models available for R-404A and R-22 refrigerant
<p>Controls</p> <ul style="list-style-type: none"> • Defrost termination control • Fan delay control • Heater safety control
<p>Options</p> <ul style="list-style-type: none"> • Reverse air flow • Beacon II™ compatible • Smooth white painted cabinet • Pre-assembled units with factory mounted TXV, liquid-line solenoid and room thermostat • Coated coil for corrosion protection

Performance Data & Specifications

Model LTA Air Defrost

Model	Capacity		Fan Data			Shaded Pole Motor				
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H	HP	115/1/60		208-230/1/60	
	BTUH	Watts					Amps	Watts	Amps	Watts
LTA053	5,300	1,550	2	850	1,450	1/20	3.6	220	2.0	200
LTA079	7,900	2,310	3	1,350	2,300	1/20	5.4	330	3.0	300
LTA102	10,200	2,990	4	1,800	3,100	1/20	7.2	440	4.0	400
LTA134	13,400	3,930	5	2,250	3,850	1/20	9.0	550	5.0	500
LTA172	17,200	5,040	6	2,550	4,350	1/20	10.8	660	6.0	600

Model LTL Electric Defrost

Model	Capacity		Fan Data			Shaded Pole Motor		Defrost Heaters		
	10°F TD -10°F SST	6°C TD -23°C SST	No.	CFM	m³H	HP	208-230/1/60		208-230/1/60	
	BTUH	Watts					Amps	Watts	Amps	Watts
LTL046BA	4,600	1,350	2	850	1,450	1/20	2.0	200	4.8	1,100
LTL068BA	6,800	1,990	3	1,300	2,200	1/20	3.0	300	7.2	1,650
LTL093BA	9,300	2,720	4	1,700	2,900	1/20	4.0	400	9.6	2,200
LTL115BA	11,500	3,370	5	2,100	3,600	1/20	5.0	500	12.0	2,750
LTL133BA	13,300	3,900	6	2,550	4,350	1/20	6.0	600	14.4	3,300

Capacity Correction Factor Electric Defrost Units

Saturated Suction Temperature °F	+20	-10	-20
Saturated Suction Temperature °C	-7	-23	-29
Multiply Capacity By	1.11	1.00	0.96

Physical Data

Model LTA Air Defrost

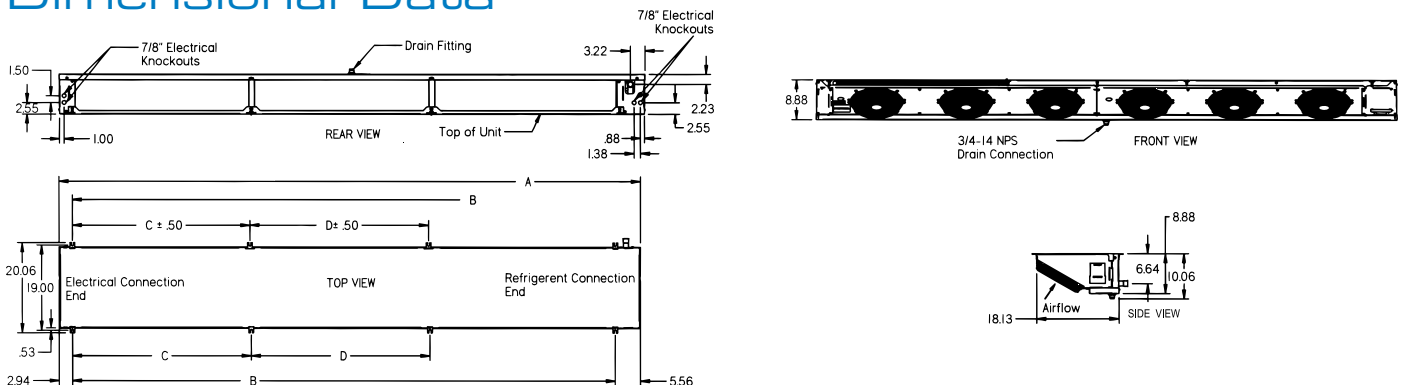
Model	No. of Fans	Connections (in.)				Approx. Net Wt. (lbs.)
		Coil Inlet OD	Suction ID	External Equalizer OD	Drain MPT	
LTA053	2	1/2	5/8	1/4	3/4	48
LTA079	3	1/2	5/8	1/4	3/4	69
LTA102	4	1/2	7/8	1/4	3/4	85
LTA134	5	1/2	7/8	1/4	3/4	108
LTA172	6	1/2	1-1/8	1/4	3/4	124

* Suction connection is swaged to directly accept piping

Model LTL Electric Defrost

Model	No. of Fans	Connections (in.)				Approx. Net Wt. (lbs.)
		Coil Inlet OD	Suction ID	External Equalizer OD	Drain MPT	
LTL046	2	1/2	5/8	1/4	3/4	48
LTL068	3	1/2	5/8	1/4	3/4	69
LTL093	4	1/2	7/8	1/4	3/4	85
LTL115	5	1/2	7/8	1/4	3/4	108
LTL133	6	1/2	1-1/8	1/4	3/4	124

Dimensional Data



Dimensional Data For All Models

Air Defrost	Electric Defrost	No. of Fans	Dimensions							
			A		B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm
LTA053	LTL046	2	49-3/8	1,254	40-7/8	1,038	-	-	-	-
LTA079	LTL068	3	69-1/8	1,756	60-5/8	1,540	-	-	-	-
LTA102	LTL093	4	88-7/8	2,257	80-3/8	2,042	40-7/8	1,038	-	-
LTA134	LTL115	5	108-5/8	2,759	100-1/8	2,543	40-7/8	1,038	-	-
LTA172	LTL133	6	128-3/8	3,261	119-7/8	3,045	40-7/8	1,038	39-1/2	1,003



For more information on Bohn Refrigeration Products, contact your Sales Representative or visit us at www.thecoldstandard.com.



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Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.

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