

BOHN

THE COLD STANDARD

BN-PROTB0806

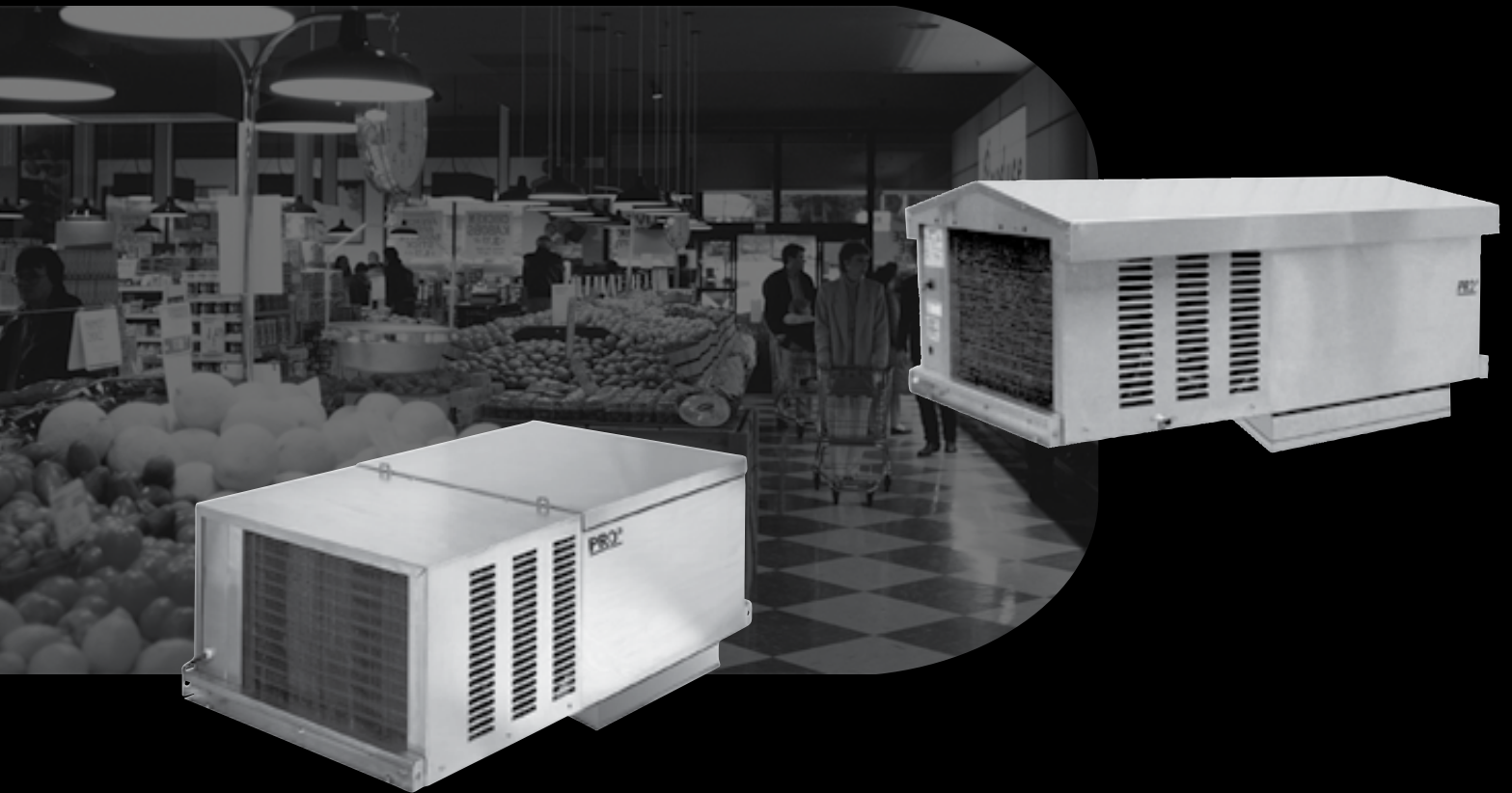
August, 2006

(Replaces 590.0, 5/03)

PACKAGED REFRIGERATION SYSTEM Technical Guide

Models PTN and PTT

For Indoor and Outdoor Applications



PRO³
TM

PRO³ Packaged Refrigeration System

Bohn brings you the simplest, most reliable walk-in refrigeration system solution in a single package! The **PRO³** ('pro 'kyübd) system comes ready to mount on top of the cooler or freezer and requires minimal space. The evaporator section of the **PRO³** is outside of the box allowing for maximum use of refrigerated space inside the box.

Reliability/Durability

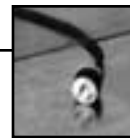
- System is fully assembled at the factory and backed up by Bohn's superior quality control
- Electronic controls provide accurate temperature control
- Liquid line filter drier (medium and large cabinet only)
- Two-year parts warranty

Ease of Installation

- Simple, quick installation with no piping or loose components to install gives you savings on labor
- Installation takes a fraction of the time required for a split system
- Evaporator grill mounts flush on or recessed in a standard 4" ceiling panel to allow for more storage in the cooler or freezer
- Indoor models come with a condensate evaporation pan eliminating the need for a drain line
- Outdoor models come with a weatherhood installed

Ease of Use

- Most models come with a 26" power cord ready to plug in
- System is factory assembled, evacuated, charged, run tested and wired. No additional components required
- Controls preset for typical applications +35°F for coolers, -10°F, for freezers and are easy to adjust. (019L6 Set for 0°F)



Most indoor **PRO³** systems come standard with a 26" power cord and 3-prong electrical plug for quick installation and start-up which may eliminate the need for a field installed disconnect. See the data tables in this brochure for electrical receptacle specifications.



The **PRO³** evaporator grill sits flush in the ceiling of the indoor cooler or freezer



MEA Accepted



Outdoor models come with these additional components:

- Crankcase Heater
- Drainline Heater
- Fan Cycling (pressure on 1 fan) (ambient and pressure on 2 fan)
- Weather Hood

Product Nomenclature

P	T	N	072	H	2	B
P = PRO³ Refrigeration System	T = Top Mount	N = Indoor T = Outdoor	Model Size	H = Cooler Air Defrost L = Freezer Electric Defrost	Refrigerant: 2 = R-22 6 = R404A	Voltage: A = 115/1/60 B = 208-230/1/60 C = 208-230/3/60

Performance Data

Coolers - Air Defrost Systems

Model Number	80°F. Ambient		90°F. Ambient		95°F. Ambient		100°F. Ambient		110°F. Ambient	
	35°F. Box Temp	38°F. Box Temp	35°F. Box Temp	38°F. Box Temp	35°F. Box Temp	38°F. Box Temp	35°F. Box Temp	38°F. Box Temp	35°F. Box Temp	38°F. Box Temp
PTN024H2	2,800	2,920	2,630	2,740	2,540	2,650	2,460	2,570	N/A	N/A
PTN029H2	3,380	3,500	3,170	3,290	3,070	3,180	2,980	3,090	N/A	N/A
PTN040H2	4,660	4,790	4,380	4,500	4,240	4,350	4,110	4,220	N/A	N/A
PT*047H2	5,480	5,830	5,150	5,480	4,980	5,300	4,830	5,140	4,250	4,520
PT*063H2	7,350	7,800	6,910	7,340	6,680	7,100	6,480	6,890	5,700	6,060
PT*072H2	8,400	8,870	7,890	8,330	7,630	8,060	7,400	7,820	6,510	6,880
PT*099H2	11,540	12,470	10,850	11,730	10,490	11,340	10,180	11,000	8,960	9,680
PT*128H2	14,930	15,970	14,030	15,010	13,570	14,520	13,160	14,080	11,580	12,390

*T For Outdoor, N for Indoor

Freezers - Electric Defrost Systems

Model Number	80°F. Ambient			90°F. Ambient			95°F. Ambient			100°F. Ambient			110°F. Ambient		
	0°F. Box Temp	-10°F. Box Temp	-20°F. Box Temp	0°F. Box Temp	-10°F. Box Temp	-20°F. Box Temp	0°F. Box Temp	-10°F. Box Temp	-20°F. Box Temp	0°F. Box Temp	-10°F. Box Temp	-20°F. Box Temp	0°F. Box Temp	-10°F. Box Temp	-20°F. Box Temp
PTN019L6	2,960	N/A	N/A	2,640	N/A	N/A	2,470	N/A	N/A	2,270	N/A	N/A	1,910	N/A	N/A
PT*021L6	3,220	2,590	1,610	2,860	2,300	1,430	2,680	2,160	1,340	2,470	1,990	1,230	2,080	1,670	1,030
PT*031L6	5,060	3,830	2,470	4,500	3,400	2,200	4,220	3,190	2,060	3,880	2,940	1,900	3,260	2,470	1,600
PT*044L6	7,040	5,440	4,080	6,260	4,830	3,630	5,870	4,530	3,400	5,400	4,170	3,130	4,540	3,500	2,630
PT*052L6	8,400	6,430	4,690	7,470	5,720	4,170	7,000	5,360	3,910	6,440	4,930	3,600	5,410	4,140	3,020
PT*069L6	10,870	8,520	6,300	9,670	7,850	5,600	9,060	7,100	5,250	8,340	6,530	4,830	7,010	5,490	4,060

*T For Outdoor, N for Indoor

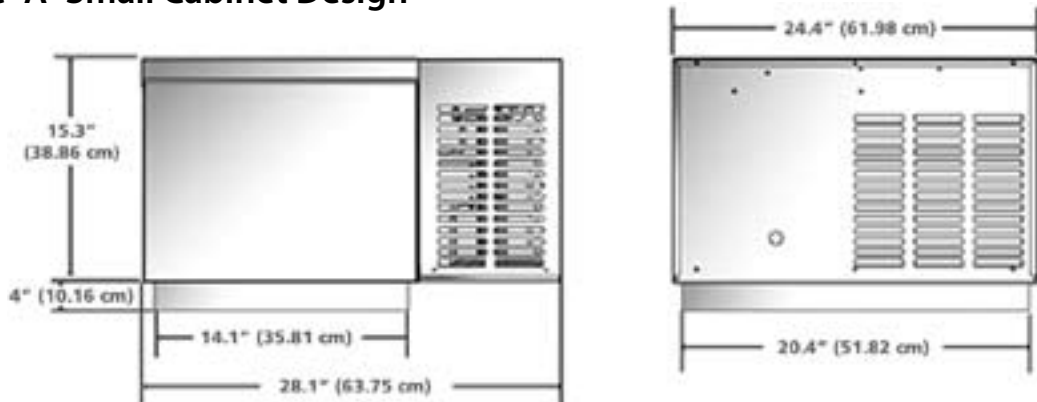
Electrical Data

Model Number	Voltage	MCA	MOPD	Unit Amps	Evap CFM	Plug Supplied	Matching NEMA Receptacle	Dim. (see figure)	Approx. Net Wts. (lbs./kg)
PTN024H2A	115/1/60	10.2	15	10.2	340	Yes	5-20R	A	88 40
PTN029H2A	115/1/60	10.6	15	10.6	340	Yes	5-20R	A	90 41
PTN040H2A	115/1/60	11.7	15	11.7	340	Yes	5-20R	A	92 42
PTN047H2A	115/1/60	16.9	20	14.2	350	Yes	5-20R	B	192 87
PT*047H2B	208-230/1/60	8.6	15	7.3	350	Yes ✓	6-15R	B	192 87
PT*063H2B	208-230/1/60	11.6	15	9.9	550	Yes ✓	6-15R	B	207 94
PT*072H2B	208-230/1/60	10.9	15	9.3	500	Yes ✓	6-15R	B	211 95
PT*099H2B	208-230/1/60	17.1	20	14.7	875	Yes ✓	6-20R	C	270 122
PT*099H2C	208-230/3/60	15.4	20	13.3	875	No		C	265 120
PT*128H2B	208-230/1/60	20.3	30	17.2	825	No		C	290 132
PT*128H2C	208-230/3/60	14.8	20	12.8	825	No		C	285 129
PTN019L6A	115/1/60	13.0	20	13.0	340	Yes	5-20R	A	101 46
PTN021L6A	115/1/60	14.5	20	12.3	350	Yes	5-20R	B	213 97
PT*021L6B	208-230/1/60	7.6	15	6.5	350	Yes ✓	6-15R	B	213 97
PT*031L6B	208-230/1/60	13.8	15	11.6	550	Yes ✓	6-15R	B	221 100
PT*044L6B	208-230/1/60	15.9	20	13.3	520	Yes ✓	6-20R	B	225 102
PT*052L6B	208-230/1/60	18.1	20	15.3	900	Yes ✓	6-20R	C	275 125
PT*052L6C	208-230/3/60	12.2	15	13.0	900	No		C	270 122
PT*069L6B	208-230/1/60	23.8	30	20.0	875	No		C	280 127
PT*069L6C	208-230/3/60	15.9	20	14.2	875	No		C	275 125

*T For Outdoor, N for Indoor ✓ Plug Supplied on Indoor models only

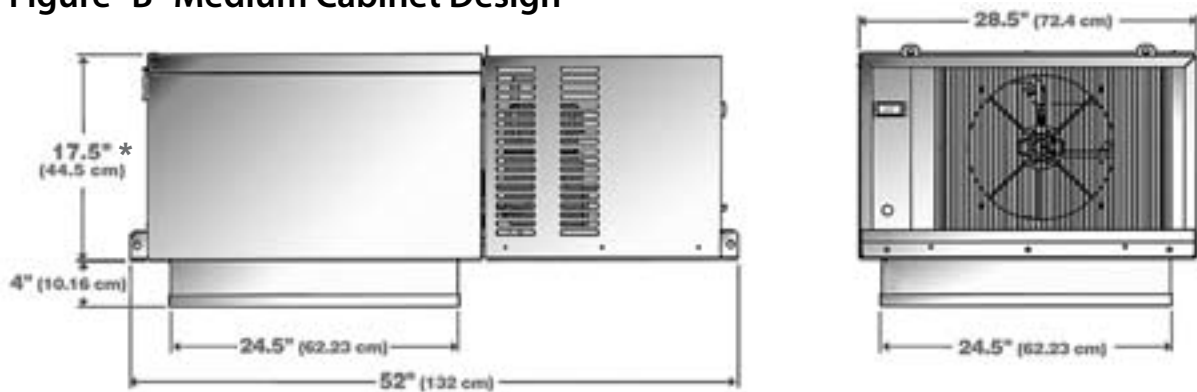
PRO³ Dimensional Drawings

Figure "A" Small Cabinet Design



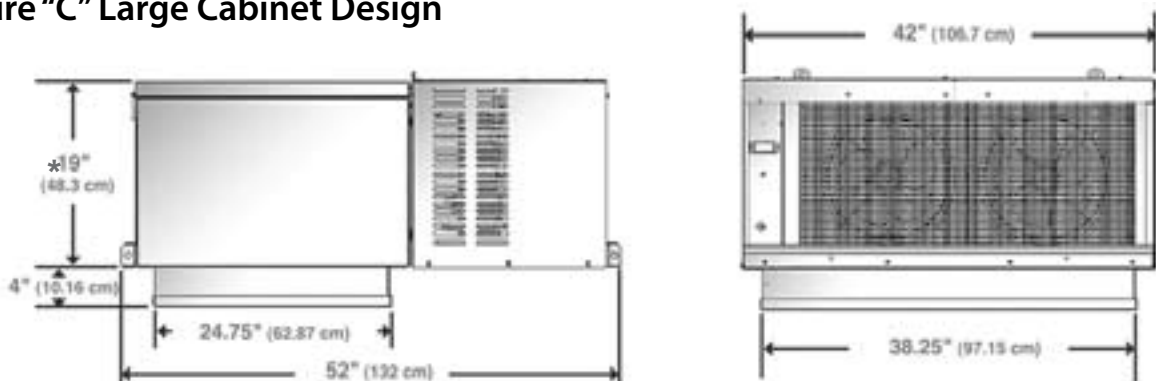
Available on Indoor Applications Only

Figure "B" Medium Cabinet Design



*- 21.5" on Outdoor models with weatherhood

Figure "C" Large Cabinet Design



*- 23.5" on Outdoor models with weatherhood

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.