



UNIT COOLER
PC
POWER COOLER

TECHNICAL BULLETIN 9306



CITY OF L.A. E.T.L.

**AIR DEFROST
ELECTRIC DEFROST
HOT GAS DEFROST**

APPLICATION: LARGE WALK-IN COOLERS and FREEZERS

POWER COOLER FEATURES

- Power coolers are ideally suited for a wide range of large coolers, freezers, and blast freezers. The PCA are designed for coolers in the medium and high temperature range. The PCE and PCH are designed for use below 30°F room.
- 40 models available ranging from 14,400 BTUH to 173,400 BTUH.
- Durable, lightweight, rust free stucco aluminum housing. Slotted hangers provided for fast installation.
- All coils made of seamless copper tubing mechanically expanded into collared aluminum fins providing maximum heat transfer and accurate fin spacing.
- Hangers are attached to the tube sheets for maximum structural strength.
- All units are designed for direct expansion for R22, R502 or R12. Compartment space provided for internal mounting of expansion valve. Externally equalized expansion valves required on all units.
- Powerfully balanced aluminum fan blades coupled with 3/4 HP motors provide vibration free performance. All motors are PSC, 1075 RPM, ball bearing type. Motors available for 208-230/1/60 or 460/1/60.
- Electrical defrost system available for 208-230/1/60, 208-230/3/60 or 460/3/60.
- Large easily accessible electrical compartment. All the electrical is prewired to screw type terminal blocks.

PCH HOT GAS DEFROST

PERFORMANCE DATA

MODEL #	CFM	CAPACITY, BTUH R502, 10°TD @			NO. MTRS FANS	MTRS. AMPS	
		+10°F Suct.	-10°F Suct.	-30°F Suct.		208-230V	460V
PCH-144-14	3850	N/A	15800	14400	1	4.4	2.2
PCH-186-14	3700	—	20500	18600	1	4.4	2.2
PCH-312-24	7700	—	34300	31200	2	8.8	4.4
PCH-375-24	7400	—	41200	37500	2	8.8	4.4
PCH-468-34	11550	—	51500	46800	3	13.2	6.6
PCH-558-34	11100	—	61400	55800	3	13.2	6.6
PCH-624-44	15400	—	68600	62400	4	17.6	8.8
PCH-744-44	14800	—	81800	74400	4	17.6	8.8
PCH-216-16	3750	21600	19800	N.A	1	4.4	2.2
PCH-258-16	3600	25800	23600	—	1	4.4	2.2
PCH-432-26	7500	43200	39600	—	2	8.8	4.4
PCH-520-26	7200	52000	47700	—	2	8.8	4.4
PCH-648-36	11250	64800	59400	—	3	13.2	6.6
PCH-774-36	10800	77400	71000	—	3	13.2	6.6
PCH-864-46	15000	86400	79300	—	4	17.6	8.8
PCH-1032-46	14400	103200	94700	—	4	17.6	8.8

PHYSICAL DATA

MODEL #	DIM. A"	REFRIG CONN.			WEIGHT LBS.
		LIQ.	SUCT.	HOT GAS	
PCH-144-14	37	5/8	1-1/8	7/8	193
PCH-186-14	37	5/8	1-3/8	7/8	212
PCH-312-24	64	7/8	1-5/8	7/8	322
PCH-375-24	64	7/8	1-5/8	7/8	344
PCH-468-34	91	1-1/8	2-1/8	7/8	429
PCH-558-34	91	1-1/8	2-1/8	7/8	473
PCH-624-44	118	1-3/8	2-1/8	7/8	523
PCH-744-44	118	1-3/8	2-1/8	1-1/8	584
PCH-216-16	37	5/8	1-1/8	7/8	213
PCH-258-16	37	5/8	1-3/8	7/8	340
PCH-432-26	64	7/8	1-5/8	7/8	345
PCH-520-26	64	7/8	1-5/8	7/8	370
PCH-648-36	91	1-1/8	2-1/8	7/8	450
PCH-774-36	91	1-1/8	2-1/8	1-1/8	500
PCH-864-46	118	1-3/8	2-1/8	1-1/8	555
PCH-1032-46	118	1-3/8	2-1/8	1-1/8	620

