

Thermoelectric Air Conditioners

Precise Temperature Control Series

Cooling Capacity: 530 to 3410 BTU/HR

OVERVIEW:

The Precise Temperature Control series air conditioners are designed for applications where controlling and maintaining the internal temperature of an enclosure is of importance. These products are available in through mounted, flush mounted and internal mounted configurations.

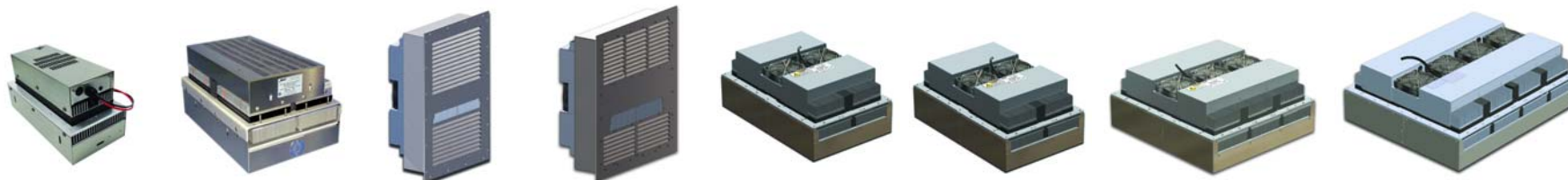
The integral TC-5300 PWM controller enables these products to cool and heat as needed. An air sensing precision three wire platinum RTD and a USB communications port are standard on these products. Monitor, adjust the set point and tune your control to your specific enclosure using the included tecaLOG software.

AIR CONDITIONER FEATURES:

- High capacity thermoelectric design
- Heavy duty full perimeter mounting
- Lower profile intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Flush mount configurations available (contact TECA)

CONTROLLER FEATURES:

- Integral "tunable" din rail mounted PWM temperature control
- Manually set or autotune to set point for best PID values
- 4 Programmable temperature zones with 4 independent PID settings
- Multi-segment ramp/soak programs with loops
- Internal RTD sensor, built into the air conditioner
- External RTD sensor can be located in critical location of your enclosure
- USB communication with easy to use software
- Labview VI examples available



Model Number	AHP-1259XEHC	AHP-1859XEHC	IHP-2259XEHC	IHP-3259XEHC	AHP-2259XEHC (Hi. Eff.)	AHP-2259XEHC (Hi. Cap.)	AHP-3259XEHC	AHP-4259XEHC
Part Number	0-30L5-5-000	0-01LB-5-000	B-H4LB-5-100	B-I5LB-5-100	0-H4LB-5-000	0-H5LB-5-000	0-I5LB-5-000	0-J5LB-5-000
L35 L35 Capacity Watts (BTU/HR)	155 (530)	322 (1100)	305 (1040)	372 (1270)	390 (1330)	534 (1820)	704 (2400)	1000 (3410)
Voltage VAC (VDC)	(24)	100-240	100-240	100-240	100-240	100-240	100-240	100-240
Current AMPS	9	5.0-2.1	3.0-1.3	11-4.6	3.0-1.3	8.4-3.5	11-4.6	15-6.5
Size WxHxD IN [MM]	7.3x15x8.2 [185x381x207]	12.3x15x9.7 [314x457x246]	16.2x23.8x8.8 [412x605x223]	22.2x23.8x8.8 [565x605x223]	13x20.5x8.7 [331x521x220]	13x20.5x8.7 [331x521x220]	19x20.5x8.7 [483x521x220]	25x20.5x8.7 [636x521x220]
Mounting Style	Through Mounted	Through Mounted	Internal Mounted	Internal Mounted	Through Mounted	Through Mounted	Through Mounted	Through Mounted
Weight LB. (KG)	18 (8.2)	47 (21.4)	66 (30)	93 (42.3)	55 (25)	60 (27.3)	82 (37.3)	110 (50)