



PACKAGED TERMINAL AIR CONDITIONERS & HEAT PUMPS



**Energy efficiency
combined with state-of-the art
controls—all in an attractive package!**

Comfort-Caire[®]
BY HEAT CONTROLLER, INC.

Packed with features that save money

Our packaged terminal air conditioners and heat pumps provide year 'round comfort, room by room, for hotels, motels, apartments, office buildings, schools, nursing homes and more. Designed for quick installation in a standard 16" x 42" wall sleeve, they're great for new construction as well as replacements.

Combining attractive appearance with state-of-the-art technology, these units minimize energy usage while ensuring guest comfort. Available in cooling only and heat pump versions, all models include electric heat as standard.

Features

Energy Efficient—Exceptionally high energy efficiency ratios (EERs); allows for owner-programmed setback during periods of inactivity and in-room temperature limitations.

Room Freeze Protection—When the unit senses temperatures 40°F or lower, it automatically activates the fan motor and electric heater.

Versatile Configuration—The unit can be optimized to a specific application through the use of dipswitches and the digital keypad; selections include setpoint limiting, front desk control, wall thermostat control, and more.

Quiet Operation—Indoor sound reduction is achieved through the unit's two fan motors and a tangential blower wheel design that provides uniform air discharge.

Fresh Air Control Arm—Allows outdoor air into room through vent filter; 70 CFM fresh air ventilation.

Easy to Service—On-board computer utilizes real-time diagnostics to prolong the life of the unit and simplify service; LED indicator flashes error code and in many cases the unit will automatically clear the fault condition.

Louvered front panel removes easily and is made of durable high impact polystyrene

Polycarbonate discharge grille is reversible for 40° or 80° discharge angle

Intake air grille is designed with architectural slotted louvers

Control panel door lifts easily and holds in place when open

*Attractive cabinet styling complements any decor
Insulated, reinforced steel wall sleeve (optional) with leak proof one-piece basepan comes in matching color*

Unit extends just 7 5/8" into the room and can be mounted flush to the floor, if desired



2.0, 3.0, 5.0 kW electric heat determined by power cord selection—see charts on back page

Options: A full range of options is available including...

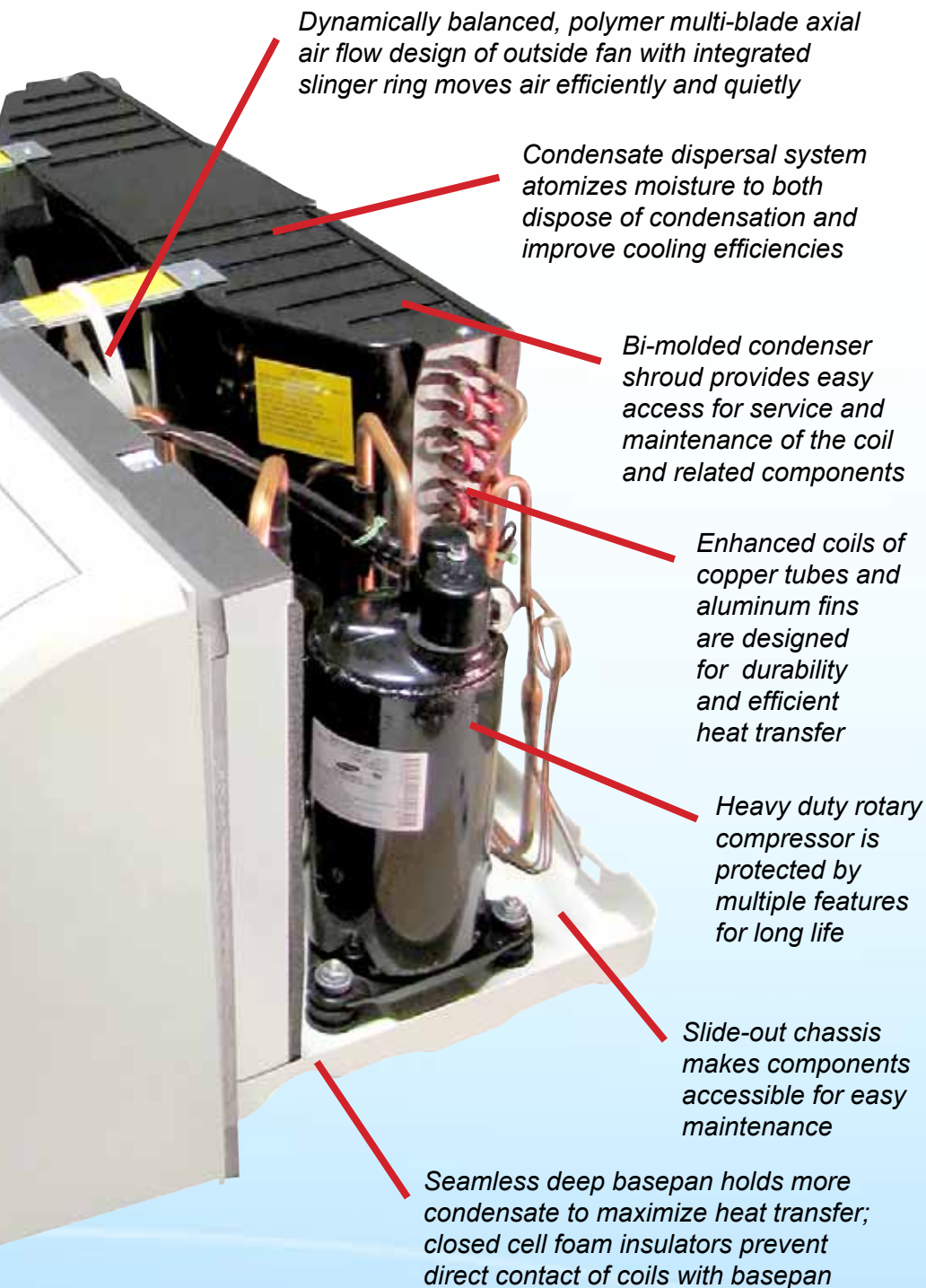


LED display and touchpad buttons are simple to understand and easy to use.



The two-piece filter design provides improved air filtration and can be removed easily for cleaning.

oney and keep guests comfortable!



...e of options and accessories
...ing wall sleeves and grilles.

Reliability

Random Restart—Prevents all units from restarting at once following a power outage; random restart occurs in 2:45 to 3:15 minutes; each unit starts up in the mode it was in when power was lost.

Condensate Dispersion—Highly efficient system atomizes condensate and utilizes a slinger ring on the outdoor fan, dispersing condensate onto the condenser coil for evaporation.

Anti-Short Cycle—Random start-up delay of 3 minutes and minimum run time of 3 minutes help prolong compressor life, allowing refrigerant pressures to equalize before restarting.

Defrost Protection (Heat Pump Models)—When unit can no longer effectively heat with the compressor (about 35°F outdoor ambient), unit automatically switches to electric heat until outdoor temperature warms up.

Controls

Front Desk Control*—Comes with low voltage Energy Management interface so unit can be centrally controlled, if desired; interface is easy to connect, and is compatible with 24 VAC central desk control systems.

Thermostat Options*—Unit is designed to be controlled either by on-board control panel or wired remote thermostat.

Fan Configuration—Used to select continuous fan operation or cycle the fan on and off according to thermostat requirements.

Electronic Temperature Limiter—In-room temperature settings can be programmed for both heating and cooling ranges to prevent a guest from over-heating or over-cooling the room.

*See *Installation and Operation manual* for details.



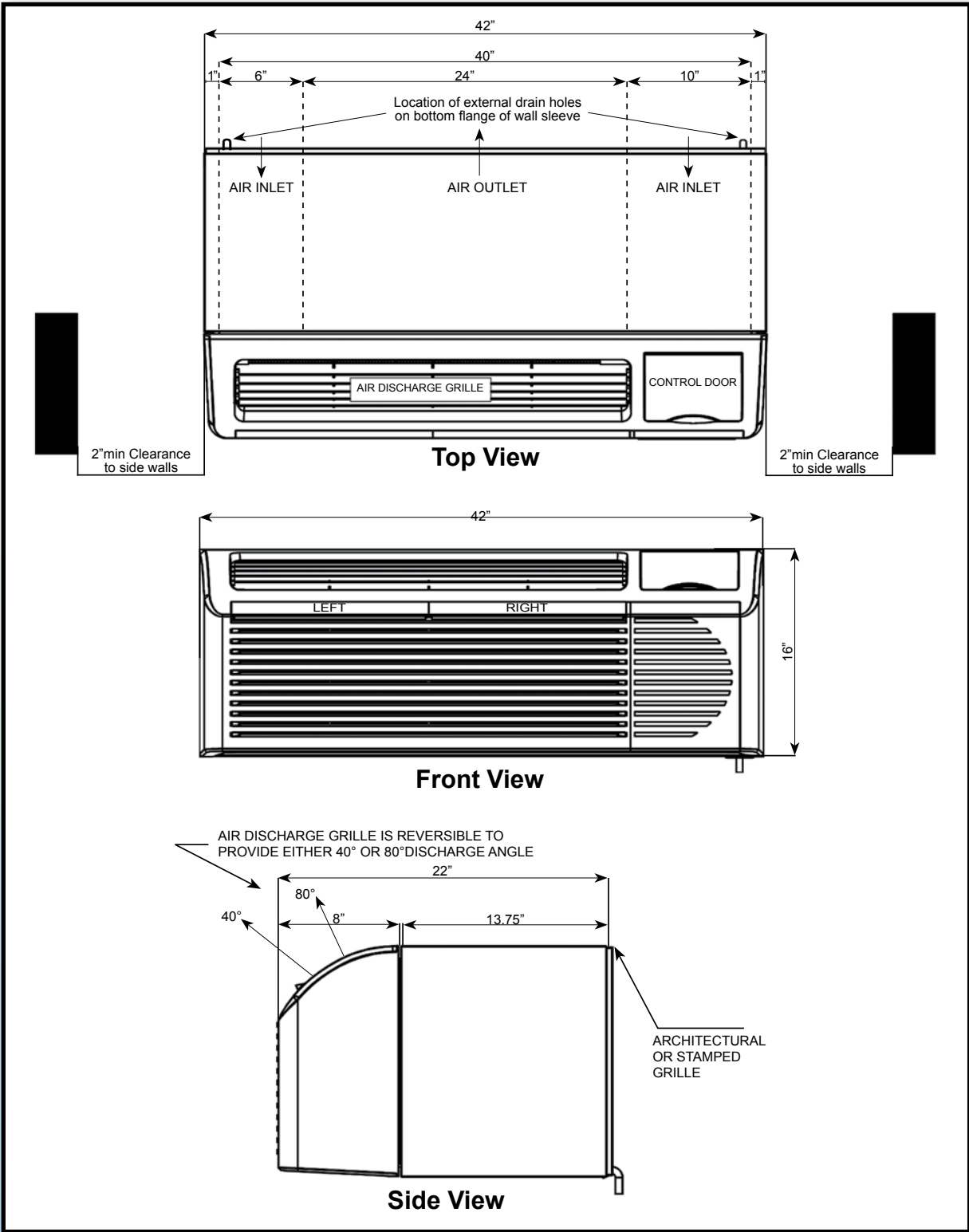
Closing the adjustable vent door allows the inside room air to be circulated and filtered.



Units can be optimized to a specific application by using the dipswitches, accessible when the front panel is removed.



DIMENSIONS



The indoor temperature sensor will signal the unit if the room temp drops below 40°F, which enables the freeze protection mode.



A sensor placed on the outdoor coil will stop the compressor operation if excessive refrigerant temperatures are detected, prolonging the compressor life.

PERFORMANCE AND ELECTRICAL DATA

208/230 Volt Units

Feature	EKTC07-1G	EKTC09-1G	EKTC12-1G	EKTC15-1G	EKTH07-1G	EKTH09-1G	EKTH12-1G	EKTH15-1G
Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Cooling BTUH	6,800/7,700	8,800/9,000	11,800/12,000	14,600/15,000	6,800/7,700	8,800/9,000	11,800/12,000	14,600/15,000
EER	12.2/12.0	11.4/11.3	10.5/10.7	9.7/9.8	12.2/12.0	11.4/11.3	10.5/10.7	9.7/9.8
Cooling Amps	3.0/2.8	3.9/3.7	5.3/5.1	7.5/6.7	3.0/2.8	3.9/3.7	5.3/5.1	7.5/6.7
Min. Circuit A	4.2	5.0	8.1	10.5	4.2	5.6	8.1	10.5
Cooling Watts	620/640	770/800	1120/1120	1510/1530	620/640	770/800	1120/1120	1510/1530
Heating BTUH	—	—	—	—	6,100/6,300	7,900/8,100	10,500/10,700	13,600/13,800
C.O.P.	—	—	—	—	3.4/3.4	3.3/3.3	3.1/3.1	2.9/2.9
HP Amps	—	—	—	—	2.5/2.4	3.6/3.4	4.7/4.5	6.6/6.0
HP Watts	—	—	—	—	530/540	700/720	990/1010	1370/1390
Dehum.	1 pt/hr	1.71 pts/hr	3.49 pts/hr	4.65 pts/hr	1 pt/hr	1.71 pts/hr	3.49 pts/hr	4.65 pts/hr
Airflow CFM	312/294/277	312/294/277	341/324/306	341/324/306	312/294/277	312/294/277	341/324/306	341/324/306
Heating CFM	—	—	—	—	320	320	365	365
Ind. Sound Max	48dB	51dB	53dB	53dB	48dB	51db	53db	53db
Out. Sound Max.	61dB	62dB	65dB	65dB	61dB	62dB	65dB	65dB
Net Wt./Ship Wt	111/131	111/131	116/136	119/139	111/131	111/131	118/138	121/141

POWER CONNECTIONS

MODEL	POWER SUPPLY KIT		
	15A (2.0 kW) 208/230V	20A (3.0 kw) 2208/230V	30A (5.0 kW) 208/230V
EKTC07, -09	7602-515A-230	7602-520A-230	N/A*
EKTC12, -15	7602-515A-230	7602-520A-230	7602-530A-230
EKTH07, -09	7602-515A-230	7602-520A-230	N/A*
EKTH12, -15	7602-515A-230	7602-520A-230	7602-530A-230

*Using 30A on these units could result in damage to the equipment.

ELECTRIC HEAT SPECIFICATIONS

	2.0 kW	3.0 kW	5.0 kW
Elec. Heat	2000 W	3000 W	5000 W
Heating BTUH	5581/6824	8372/10,236	13,953/17,060
Total Watts	1636/2000	2454/3000	4090/5000
Total Amps	7.9/8.9	12.2/13.2	20.5/21.5
Min. Circuit Amp.	13.7	13.7	22.0
MOP (Amps)*	15	20	30
Power Cord	7602-515A-230	7602-520A-230	7602-530A-230

* Maximum Overcurrent Protection

265 Volt Units

Feature	EKTC07-2G	EKTC09-2G	EKTC12-2G	EKTC15-2G	EKTH07-2G	EKTH09-2G	EKTH12-2G	EKTH15-2G
Power Supply	265-1-60	265-1-60	265-1-60	265-1-60	265-1-60	265-1-60	265-1-60	265-1-60
Cooling BTUH	7,700	9,000	12,000	15,000	7,700	9,000	12,000	15,000
EER	12.0	11.3	10.7	9.8	12.0	11.3	10.7	9.8
Cooling Amps	2.4	3.7	4.8	5.77	2.4	3.7	4.8	5.77
Min. Circuit A	3	4.12	7.87	7.31	3	3.91	5.52	7.31
Cooling Watts	640	800	1120	1530	640	800	1120	1530
Heating BTUH	—	—	—	—	6,300	8,100	10,700	13,800
C.O.P.	—	—	—	—	3.3	3.3	3.1	2.9
HP Amps	—	—	—	—	2.1	3.4	4.5	5.25
HP Watts	—	—	—	—	540	720	1010	1390
Dehum.	1.4 pt/hr	1.76 pts/hr	2.29 pts/hr	2.64 pts/hr	1.4 pt/hr	1.76 pts/hr	2.29 pts/hr	2.64 pts/hr
Airflow CFM	294/277/259	312/294/277	312/294/277	341/324/306	294/277/259	312/294/277	312/294/277	341/324/306
Heating CFM	—	—	—	—	302	320	320	365
Ind. Sound Max	48dB	51dB	53dB	53dB	48dB	51db	53db	53db
Out. Sound Max.	61dB	62dB	65dB	65dB	61dB	62dB	65dB	65dB
Net Wt./Ship Wt	112/132	112/132	117/137	119/139	112/132	112/132	117/137	119/139

POWER CONNECTIONS

MODEL	POWER SUPPLY KIT		
	15A (2.0 kW) 265V	20A (3.0 kw) 265V	30A (5.0 kW) 265V
EKTC07, -09	7602-515A-265	7602-520A-265	N/A*
EKTC12, -15	7602-515A-265	7602-520A-265	7602-530A-265
EKTH07, -09	7602-515A-265	7602-520A-265	N/A*
EKTH12, -15	7602-515A-265	7602-520A-265	7602-530A-265

*Using 30A on these units could result in damage to the equipment.

ELECTRIC HEAT SPECIFICATIONS

	2.0 kW	3.0 kW	5.0 kW
Elec. Heat	2000 W	3000 W	5000 W
Heating BTUH	6825	10,236	17,060
Total Watts	2000	3000	5000
Total Amps	8.9	13.2	21.5
Min. Circuit Amp.	13.7	13.7	22.0
MOP (Amps)*	15	20	30
Power Cord	7602-515A-265	7602-520A-265	7602-530A-265

* Maximum Overcurrent Protection

Ready to buy? Here are some things to consider:

When you buy Comfort-Aire products, you're purchasing the peace of mind that comes from dealing with a company that's been in business for 75 years. We have a well-deserved reputation not only for quality products, but also for standing behind those products with excellent warranty and support programs. We have technicians available to handle telephone inquiries about operation, installation and maintenance. Our web site, www.comfort-aire.com, is another resource: owner's manuals can be downloaded and your installer can access technical information and service manuals at any time.

Warranty Coverage

Comfort-Aire stands behind its packaged terminal air conditioners and heat pumps with some of the strongest warranties in the industry. All our PTAC/PTHP systems are covered by a five year warranty on the sealed system and one year on other parts and labor (some restrictions apply, consult your Comfort-Aire representative or visit our web site for full warranty details).

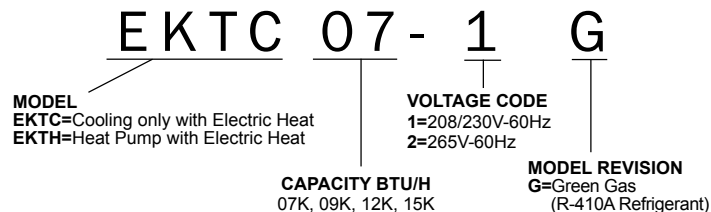
gives you an extra measure of protection that extends beyond the standard warranty coverage. It protects you against unexpected problems that require service and/or replacement parts. AssurancePlus® extended service agreements allow you to extend coverage beyond the original warranty, and there are a variety of plans to choose from, offering parts and labor coverage, parts only or labor only. Your Comfort-Aire dealer can explain the AssurancePlus® plans and pricing.

Extended Service Agreements

We stand behind our products with exceptionally strong warranties, but as with any product containing mechanical and electronic components, service is sometimes needed. Our AssurancePlus® program

Talk to your Comfort-Aire dealer about the advantages of PTAC/PTHP systems and if one is right for your location and situation. He should also make an on-site inspection to measure and evaluate the space so that your system is sized correctly.

MODEL NOMENCLATURE



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A full range of options and accessories is available including wall sleeves and grilles. Design, material, performance data and components subject to change without notice.

HEAT CONTROLLER, INC.

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THE QUALITY LEADER IN CONDITIONING AIR

www.comfort-aire.com