



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 mo

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—Exceeds AHRI minimum efficiency requirements with 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 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 for improved indoor air quality.

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.

Options

A full range of options and accessories is available including a wall sleeve that matches the unit's exterior color.

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*

2.5, 3.5, 5.0 kW electric heat determined by power cord selection—see chart on back page

Unit extends just 7³/₈" into the room and can be mounted flush to the floor, if desired



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

oney and keep guests comfortable!

Dynamically balanced, polymer multi-blade axial air flow design of outside fan has integrated slinger ring to move air efficiently and quietly

Condensate dispersal system atomizes moisture to both dispose of condensation and improve cooling efficiencies

Bi-molded condenser shroud provides easy access for service and maintenance of the coil and related components

Enhanced coils of copper tubes and aluminum fins are designed for durability and efficient heat transfer

Heavy duty rotary compressor is protected by multiple features for long life

Slide-out chassis makes components accessible for easy maintenance

Seamless deep basepan holds more condensate to maximize heat transfer; closed cell foam insulators prevent direct contact of coils with basepan

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 standard with low voltage interface so unit can be centrally controlled, if desired; also standard is the Energy Management interface for use with optional software for managing energy usage and unit performance.

Thermostat Options—Unit is designed to be controlled either by a remote-mounted thermostat or by an in-room wired 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.

Warranty

EKTC/EKTH units are covered by a one year limited warranty on parts and labor; the compressor is covered by a five year limited warranty.

See manual or web site complete details of the warranty.



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

PERFORMANCE AND ELECTRICAL DATA

Feature	EKTC07-1G	EKTC09-1G	EKTC12-1G	EKTC15-1G	EKTH07-1G	EKTH09-1G	EKTH12-1G	EKTH15-1G
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

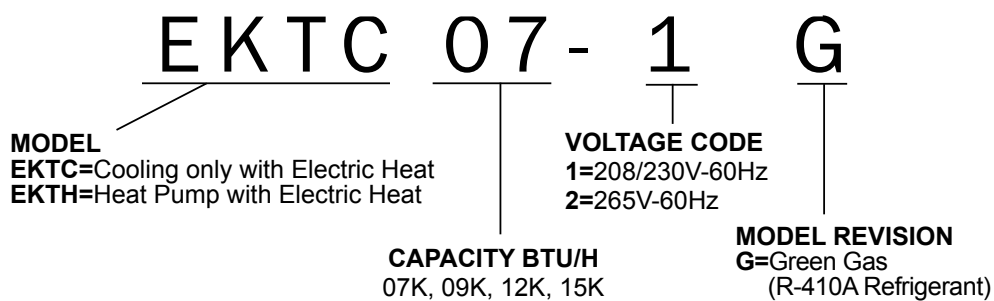
MODEL	POWER SUPPLY KIT		
	15A (2.5 kW) 208/230V	20A (3.5 kW) 208/230V	30A (5.0 kW) 208/230V
EKTC07, -09	7602-515A-230	7602-520A-230	N/A*
EKTC12, -15	7602-515A-230	7602-520A-230	7602-530A-230
EKTH07, -09	7602-515A-230	7602-520A-230	N/A*
EKTH12, -15	7602-515A-230	7602-520A-230	7602-530A-230

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

ELECTRIC HEAT SPECIFICATIONS

	2.5 kW	3.5 kW	5.0 kW
Elec. Heat	2000 kW	3000 kW	5000 kW
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
MOB (Amps)	15	20	30
Power Cord	7602-515A-230	7602-520A-230	7602-530A-230

MODEL IDENTIFICATION



Design, specifications, materials and performance data subject to change without notice



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The Quality Leader in Conditioning Air