



PACKAGED TERMINAL AIR CONDITIONERS (PTACs)



Perfect Aire® offers a full range of Packaged Terminal Air Conditioners. Our units offer excellent energy efficiency, sleek design and a low profile footprint. Whether your project is new construction or a retrofit requirement, Perfect Aire has a PTAC solution for you. Perfect Aire systems use non-ozone depleting refrigerants that offer a perfect mix of performance and efficiency. Quality performance with unmatched customer service, Perfect Aire products are stylish, consumer friendly and easy to operate.

Energy Efficient

The Perfect Aire PTAC combines Energy Efficiency Ratio (EER) as high as 11.9, AHRI certification and UL listing to provide one of the best overall values on the market. Multiple heating and cooling temperature range options allow facility owners to optimize user comfort while reducing energy consumption.

Atomized Condensate Dispersion

While in the cooling operation condensation is removed as the fan blade draws up and throws water directly onto the outdoor condenser coil. The water is atomized and evaporated through the condenser achieving rapid evaporation and increasing cooling efficiencies.

Compressor Restart Delay

Designed to prevent short-cycling of the compressor, this feature extends overall compressor life by providing a minimum three minute delay to allow for equalization of refrigerant pressures and optimized cycling.

High Temperature Protection In Heating Operation

The compressor and (or) the Electric Heat Assist will be switched off to prevent damage if indoor temperatures are too high or if there is an error in the indoor temperature sensor.

Memory Function

If power is interrupted or lost during operation, all function settings at the time of power loss will be remembered. When power is returned, the unit will return to the previous settings.

Automatic Evaporator Freeze Protection

In the event the evaporator temperature is too low and in order to keep the evaporator from freezing, the compressor is switched off automatically and the indoor fan is switched on. Once the evaporator temperature is normalized this function is turned off.

Golden Fin

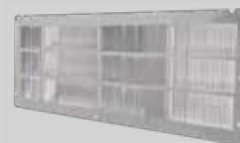
The GOLDEN FIN coated hydrophilic condenser can improve the heating efficiency by accelerating the defrosting process. The unique anticorrosive GOLDEN FIN coating on the condenser can withstand the salty air, rain and other corrosive elements.



Automatic Quick Warm-Up (Heat Pump Models Only)

If the room temperature falls below the SET POINT temperature by approximately 8° F / 4.5° C the reverse cycle heat is shut off and the electric strip heat is turned on for one cycle until heating is satisfied.

Accessories



Stamped Aluminum Grille



Extruded Architectural Grille



Wired Thermostat



Condensate Drain Kit



Wall Sleeve



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208/230V COOLING ONLY

PERFECT AIRE MODEL NO.			1PTC07A-3.5	1PTC09A-3.5	1PTC12A-3.5	1PTC12A-5.0	1PTC15A-3.5	1PTC15A-5.0
UPC			8-42149-02430-7	8-42149-02431-4	8-42149-02432-1	8-42149-02433-8	8-42149-02434-5	8-42149-02435-2
Power supply		Ph-V-Hz	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph
Cooling	Capacity	Btu/h	7300/7100	9200/9000	12000/11800	12000/11800	14700/14500	14700/14500
	Input	W	613/596	814/796	1121/1102	1121/1102	1547/1526	1547/1526
	Current	A	2.7/2.88	3.54/3.83	4.88/5.30	4.88/5.30	6.73/7.34	6.73/7.34
	EER	Btu/h/W	11.9	11.3	10.7	10.7	9.5	9.5
Heating (PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	15000/12200	10900/8900	15000/12200
	Input	W	3519/2850	3519/2850	3519/2850	4769/3953	3519/2850	4769/3953
	Current	A	15.30/13.70	15.30/13.70	15.30/13.70	22/19.7	15.30/13.70	22/19.7
Moisture Removal		L/h	0.8	1	1.2	1.2	1.5	1.5
Airflow		CFM	417/405/382	435/417/394	405/394/382	405/394/382	388/376/364	388/376/364
Indoor side noise level (Hi/Mi/Lo)		dB(A)	50/48/46	50/48/46	52/49/46	52/49/46	53/50/45	53/50/45
Outdoor side noise level (Hi)		dB(A)	61	63	66	66	66	66
Net/Gross weight		lb	99.2/123.5	104.7/130.1	115.7/141.1	115.7/141.1	117.9/143.3	117.9/143.3
Plug type		A	20	20	20	30	20	30

208/230V HEAT PUMP

PERFECT AIRE MODEL NO.			1PTH07A-3.5	1PTH09A-3.5	1PTH12A-3.5	1PTH12A-5.0	1PTH15A-3.5	1PTH15A-5.0
UPC			8-42149-02436-9	8-42149-02437-6	8-42149-02438-3	8-42149-02439-0	8-42149-02440-6	8-42149-02441-3
Power supply		Ph-V-Hz	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph	230/208V~60Hz, 1Ph
Cooling	Capacity	Btu/h	7200/6800	9000/8800	12000/11800	12000/11800	14700/14500	14700/14500
	Input	W	610/576	796/778	1142/1124	1142/1124	1531/1510	1531/1510
	Current	A	2.65/2.75	3.46/3.75	4.97/5.4	4.97/5.4	6.66/7.26	6.87/7.5
	EER	Btu/h/W	11.9	11.3	10.5	10.5	9.6	9.6
Heating (Heat pump)	Capacity	Btu/h	6000/5800	8100/7900	10800/10500	10800/10500	13500/13200	13500/13200
	Input	W	517/500	716/699	990/963	990/963	1323/1294	1323/1294
	Current	A	2.25/2.41	3.04/3.28	4.3/4.63	4.3/4.63	5.74/6.2	5.74/6.2
	COP	W/W	3.40	3.40	3.20	3.20	3.0	3.0
Heating (PTC)	Capacity	Btu/h	10900/8900	10900/8900	10900/8900	15000/12200	10900/8900	15000/12200
	Input	W	3519/2850	3519/2850	3519/2850	4769/3953	3519/2850	4769/3953
	Current	A	15.30/13.70	15.3/13.7	15.3/13.7	22/19.7	15.3/13.7	22/19.7
Moisture Removal		L/h	0.8	1	1.2	1.2	1.5	1.5
Airflow		CFM	429/405/370	435/417/394	435/423/411	435/423/411	423/405/394	423/405/394
Indoor side noise level (Hi/Mi/Lo)		dB(A)	50/48/46	50/48/46	53/50/45	53/50/45	53/50/45	53/50/45
Outdoor side noise level (Hi)		dB(A)	61	61	66	66	66	66
Net/Gross weight		lb	101.4/126.8	106.9/132.3	117.9/143.3	117.9/143.3	120/145.5	120/145.5
Plug type		A	20	20	20	30	20	30

Unit Dimension W x H x D	42" x 16" x 21"
Unit Dimension w/Sleeve W x H x D	42" x 16" x 22.8"
Packing Dimensions W x H x D	45" x 19.3" x 25.4"

MODEL NUMBER KEY (Example: 1PTC12A-5.0)

1 = Generation 1
PT = Packaged Terminal AC
H or C = Heat Pump or Cool Only
07, 09, 12, or 15 = BTU Rating
A or B = Power Supply
A = 208/230V
B = 265V
3.5 or 5.0 = kW

Highlight indicates that item is stocked domestically.

Perfect Aire

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