



15 SEER SINGLE-ZONE INVERTER SPLIT



Perfect Aire® single-zone ductless mini-split systems provide maximum comfort, efficiency and control for single space environments. Whether the primary cooling or heating source or as supplemental solution to the more challenging applications, Perfect Aire offers single-zone split systems from 9,000 BTU (3/4 ton) all the way up to 36,000 BTU (3 ton) systems.

Follow Me

There is a built in sensor in the remote control effectively allowing the thermostat to be located anywhere in the room.

Refrigerant Leakage Detect

The indoor unit will sound an alarm when the outdoor unit detects a condition indicating refrigerant leakage.

Feature is standard on 9,000–22,000 BTU models only



Golden Fin

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



Low Ambient Kit

The air conditioner with a special built-in Low Ambient Kit can be used in temperatures as low as 5°F for cooling operation.

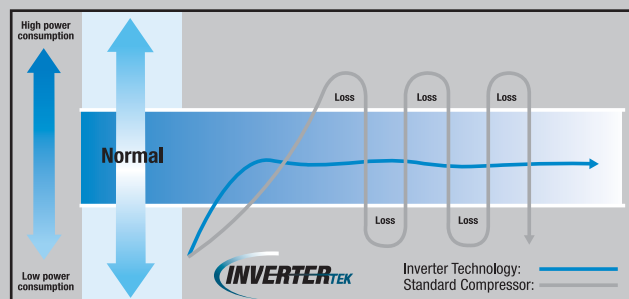
Heat Pump

Ductless mini-split-system heat pumps make good additions to houses without forced air heating systems such as hot water heat, radiant panels, and space heaters. A reversing valve allows the unit to reverse the air conditioning during cold weather, absorbing heat from the outside and transferring inside. Mini-splits with heat pump are ideal for room additions where ductwork is not possible. Heat pumps allow mini-splits to provide year-round comfort. Be sure to choose a mini-split system that is sufficient for the space that you are looking to cool and find a professional installer experienced with mini-split installation.

Inverter Technology

An inverter compressor is programmed to run at optimum speed, which is set by the input frequency as it varies between heat requirements. This means that if a mini-split is set at 70° F, and the room becomes hot and the compressor needs to cool it by a couple of degrees, a standard compressor will turn "On" with full power, while an inverter compressor only uses the energy it needs to reduce the room's temperature to the desired setting. On an average day, a standard compressor will have to turn on and off many times. An inverter compressor will turn on and reach the desired setting and remain at that setting until more energy is needed.

By using different rotation speed, the inverter compressor saves energy and operates more quietly than a regular compressor. Not having the compressor constantly turn on and off at maximum RPM increases the life of the inverter compressor.





SPECIFICATIONS - 15 SEER SINGLE-ZONE INVERTER SPLIT

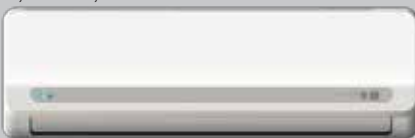


FEATURES: (Full System)	1PAMSH09-14.5	1PAMSH09-15	1PAMSH12-15	1PAMSH18-15	1PAMSH22-15	1PAMSH30-16	1PAMSH36-14.5
Power Supply	208-230v	208-230v	208-230v	208-230v	208-230v	208-230v	208-230v
Cooling Capacity (Btu/h)	9,000	9,000	12,000	18,000	22,000	30,000	36,000
SEER (Btu/w)	14.5	15	15	15	15	16	14.5
EER (Btu/w)	9	10	9	9	9	10	8.8
HSPF4 (Btu/w)	8.2	8.2	8.2	8.2	8.2	9.6	9.0
Dehumidification (Pts/Hr)	2.1	2.1	3.0	3.8	5.3	2.8	2.8
Heating Capacity (Btu/h)	9,000	9,000	12,000	18,000	22,000	30,000	36,000
Heating Amps	4.3	4.0	5.5	8.0	9.7	11.0	15.2
INDOOR UNIT	1PAMSH09-SZW-14.5	1PAMSH09-SZW-15	1PAMSH12-SZW-15	1PAMSH18-SZW-15	1PAMSH22-SZW-15	1PAMSH30-SZW-16	1PAMSH36-SZW-14.5
Air Flow (CFM) (Hi/Mi/Lo)	290/240/210	310/255/230	350/310/240	440/390/280	740/680/560	970/840/740	970/840/740
Fan Speeds (Cool/Heat/Fan)	3	3	3	3	3	3	3
Sound Level (dBA) H-M-L	38/31/29	40/33/28	39/35/31	42/39/31	49/45/39	50/47/43	50/46/42
INDOOR UNIT DIMENSIONS							
Width (inches)	26 ^{3/4}	26 ^{3/4}	30 ^{5/16}	35 ^{5/8}	40 ^{9/16}	56 ^{7/8}	56 ^{7/8}
Height (inches)	10 ^{9/8}	10 ^{9/8}	10 ^{1/16}	10 ^{13/16}	12 ^{3/8}	13 ^{3/8}	13 ^{3/8}
Depth (inches)	7	7	7 ^{3/8}	7 ^{13/16}	8 ^{9/16}	10 ^{7/8}	10 ^{7/8}
Net Wt./Shipping Wt. (lbs)	15/18	15/18	16/21	20/25	26/33	53/71	53/71
OUTDOOR UNIT DIMENSIONS	1PAMSH09-SZO-14.5	1PAMSH09-SZO-15	1PAMSH12-SZO-15	1PAMSH18-SZO-15	1PAMSH22-SZO-15	1PAMSH30-SZO-16	1PAMSH36-SZO-14.5
Width (inches)	27 ^{9/16}	27 ^{9/16}	30 ^{11/16}	29 ^{15/16}	33 ^{1/4}	35 ^{1/4}	39
Height (inches)	21 ^{1/4}	21 ^{1/4}	21 ^{1/4}	23 ^{1/4}	27 ^{9/16}	33 ^{7/8}	38
Depth (inches)	9 ^{7/16}	9 ^{7/16}	9 ^{13/16}	11 ^{1/4}	12 ^{5/8}	13	13.5
Net Wt./Shipping Wt. (lbs)	54/58	59/63	66/70	83/88	104/111	157/165	181/190
ELECTRICAL DATA OUTDOOR UNIT							
Main Power Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Minimum Circuit Ampacity	10	10	10	14	16	16	20
Max. Fuse/HACR Circuit Breaker	15	15	15	20	25	25	30
Recommended Indoor/Outdoor Connecting Cable Type	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG	14AWG
LINE SETS O.D. (INCH)							
Liquid Connection (flare) (in.)	1/4	1/4	1/4	1/4	3/8	3/8	3/8
Suction Connection (flare) (in.)	3/8	3/8	3/8	1/2	5/8	5/8	5/8
Maximum Line Set Length (ft)	82	82	82	98	98	164	213
Max. Elevation (indoor/outdoor) (ft)	33	33	33	66	66	82	98
REFRIGERANT CHARGE (R-410A)							
Factory Pre-Charge (ft)	25	25	25	25	25	25	25
Additional Refrigerant (oz/ft)	0.161	0.161	0.161	0.161	0.322	0.322	0.322

MODEL NUMBER KEY
(Example: 1PAMSH09-SZO-15)

- 1 = Generation
- PAMS = Perfect Aire Mini-Split
- H = Heat Pump
- 09 = BTU Rating x 1,000
- SZO = Single-Zone Outdoor Unit
- SZW = Single-Zone Wall Unit
- 15 = SEER Rating

9,000 - 22,000 Models



30,000 & 36,000 Models



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