

S C E P S

ICE AIR HI-SPEC™ UNITS

Performance.
Customization.
Technology.
Price.

The Total Package.



H C E T

PRODUCT SPECIFICATIONS: PACKAGED TERMINAL AIR CONDITIONER (PTAC)

Superior performance, quality manufacturing and customer value makes ICE AIR... the best choice for volume users including residential buildings, hotels/motels, medical facilities and more. With state-of-the-art technology, ICE AIR delivers the full compliment of performance excellence including:

- Reliable performance
- Energy efficiency
- Ease of operation
- Low cost, easy installation
- Quiet comfort
- Compact, esthetic design
- Customization options

Equipment Manufacture: RSK Series Packaged Terminal Air Conditioners (PTACs) are heavy duty, commercial grade thru-wall cooling and heating units, manufactured by Ice Air, LLC. They are designed to provide many years of efficient, trouble free and user-friendly operation. Unit casings and moving components are manufactured of galvanized steel and aluminum. The units are designed and manufactured to operate on 115 volt, 208 / 230 volt, or 265/277 volt, single phase, 60 hertz circuits.

Product Components: Wall Sleeve • Chassis • Heating Coil Assembly • Room Enclosure Louver • Controls • Aluminum Filter

Wall Sleeves: Ice Air Thru - Wall Sleeves are factory fabricated of 18 Gauge Galvanized Steel (with optional bituminous undercoating for enhanced corrosion protection). Wall sleeves are shipped with a weather resistant coated cardboard filler panel and delivered to the project site per Purchaser's construction schedule. Cardboard filler panel to be removed prior to chassis and louver installation. Wall sleeve to have built-in pitch of at least ¼" and an angled rain lip for proper water drainage to the building exterior. Wall sleeves for masonry and panel wall locations are manufactured to match the full wall depth at each location; wall sleeves with field-installed extension pieces are not acceptable. Wall sleeves for panel wall locations are to be provided with adjustable-height galvanized steel support legs and sleeve angles to attach to the building panel wall system.

Louvers: Exterior louver is constructed of horizontal extruded aluminum blades staked to vertical support bars and finished with either a clear anodized or painted Duranar finish. The Louver is attached with supplied 304SS stainless steel fastening hardware and is capable of being installed from within the wall sleeve. Louvers at panel wall locations to be supplied by others.

Chassis: Self-contained, slide-in cooling assembly consisting of sealed refrigerant system, evaporator and condenser sections with separate PSC motors (single motor units are not acceptable), manual or optional motorized fresh air damper and unit mounted controls and line cord (junction box for 265 / 277 volt applications). Chassis base pan to be powder coated inside and out to prevent corrosion of sheet metal pan. Chassis to be manufactured with an outsized indoor section that mates with the wall sleeve interior flanges and creates a positive weather seal using crushable pressure-sensitive foam tape, thereby preventing air and water infiltration. Chassis seal must be an integral part of unit construction, and use of attached sealing angles or channels is not acceptable.

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Product. Performance. Know-How. Satisfaction.

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ICE AIR: Solutions & Savings™

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Refrigeration System: Sealed refrigerant system employs R22 refrigerant (or optional R410A). Refrigerant is compressed by a high efficiency rotary compressor and routed through copper tube / aluminum fin evaporator and condenser coils. Refrigerant flow is controlled by a metering device ensuring safe and consistent refrigerant flow across the full range of operating temperatures and pressures. The system is to be factory charged and sealed and is capable of operating in the cooling mode to an outdoor ambient temperature of 36oF.

Chassis Evaporator Section: To assure quiet comfort, the evaporator motor and blower wheel system is mounted on vibration isolators, eliminating noise and excess movement. For ease of service, this assembly is mounted on a slide-out, easily-removable motor board. Blower wheels are metal double-inlet, forward curved centrifugal type, directly driven by a three-speed PSC motor with built-in automatic reset overload protector. Powder coated single stamped metal drain pan removes condensate through two 3/4" i.d. drain hoses (single drain units are not acceptable), ensuring full condensate drainage under all conditions.

Chassis Condenser Section: Condenser section is assembled to include condenser coil and a separate PSC motor and metal propeller fan with an integral slinger ring. Condenser motor to cycle with compressor and to run during the cooling and exhaust cycles only. Condensate drains from the indoor evaporator pan into the exterior galvanized powder coated steel condenser base pan through the two 3/4" i.d. drain hoses. Condensate disposal to be accomplished by the entrainment of water particles in the condenser air stream and evaporation upon the hot condenser coil. No building condensate drain lines are required.

Freeze Protection: RSK Series units have dual freeze protection, including an evaporator mounted freeze protection thermostat to prevent excessively low refrigerant temperatures. Additional freeze protection to include an integral low-temperature thermostat to prevent roomside temperatures from dropping below 45oF, and to activate in all operating modes, including the "Off" position.

Controls: Unit mounted manual controls for Cooling, Heating, Vent and Exhaust are readily accessible and clearly marked. Rotary thermostat provides precise temperature control. All controls are concealed behind the aluminum grille door at the top of the PTAC enclosure. Optional wall-mount remote thermostats and digital touchpad controls are available.

Heating Assembly (Hydronic Heat): Assembly consists of a snap-in galvanized steel cradle and heating coil, with either a Normally Open or Normally Closed motorized heating control valve. Motorized valve to be provided with Molex-type pin connector for plug-in electrical connection to the chassis, and to be actuated by the unit thermostat. Heating coil to be fabricated of copper tubing, mechanically expanded into aluminum fins. (Steam coil to be headered type) (Hot water coil to be serpentine type.). Coils to be supplied either right or left-handed in quantities specified in building plans. Entire heat assembly to permanently mount onto the wall sleeve in a horizontal position above the chassis at a fixed clearance above the unit air discharge outlet. Heating assembly is shipped fully assembled and protected by a cardboard or optional steel cover during construction.

Enclosure (Cabinet): Flat top or Slope top Room Enclosures are fabricated of 18 gauge galvalume steel and the Enclosure front cover is fabricated from 20 gauge galvalume steel. Both are finished with furniture grade baked powder coating. Antique White or Arctic White finishes are standard. Custom finishes are available at extra cost. Room enclosure mounts on the wall sleeve with a concealed fastening system and may be fastened directly to the interior wall. Enclosure front cover is removable without the use of tools. The Enclosure kick plate is vertically adjustable, and is manufactured to match the correct floor-to-unit heights.

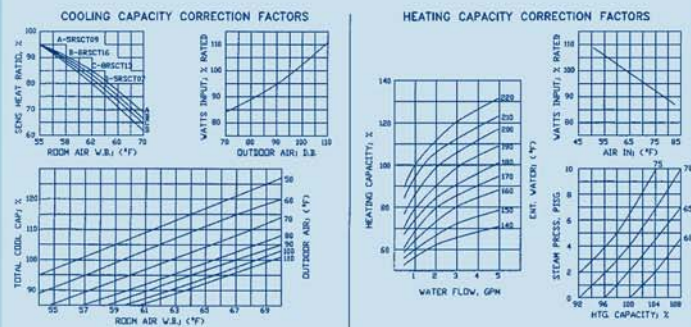
ICE AIR HI-SPEC UNITS PTAC Performance Data Specifications

RSK Model	5RSK07	5RSK09	5RSK13	8RSK13	8RSK16	8RSK18
Cooling Capacity (1)	7,000	9,000	12,700	12,900	14,400	16,200
EER	11.0	10.5	10.0	10.3	10.1	9.7
Heating Capacity HW	16,500	16,500	16,500	16,500	19,400	19,400
Heating Capacity STM	18,700	18,700	18,700	18,700	20,200	20,200
Electric Heat Max. (4)	1.5KW	1.5KW	1.5KW	3.0KW	3.0KW	3.0KW
Voltage	115	115	115	208/230	208/230	208/230
Amperage	7	8.4	12.0	7	7.5	8.7
Watts	740	890	1210	1250	1515	1770
CFM Air Hi Cool	370	370	370	430	430	430
CFM Air Lo Cool	260	260	260	330	330	330
CFM OA (5)	60	60	60	60	60	60
CFM XOA (6)	110	110	110	110	110	110
Weight Net Ship	113/129	117/133	117/133	124/138	132/148	141/157

Notes:

1. BTUH @ 80°F DB/67°F WB Indoors/95°F DB, Outdoors
2. BTUH @ 200°F E.W.T./65°F E.A.T. / 2GPM Flow Rate
3. BTUH @ 2 P.S.I.G. Steam /65°F E.A.T.
4. Optional
5. Optional Motorized Damper
6. Can Include Optional Motorized Damper

ICE AIR HI-SPEC UNITS PTAC Performance Data



Aluminum Filter: Permanent washable aluminum mesh filter is supplied with each unit.

Warranty and Code Compliance: Unit to be guaranteed free of defects in material and workmanship for one year from date of delivery. An optional 2nd through 5th year compressor warranty is available, as are various warranty and service extension plans. All Ice Air Units are UL listed for safety in the United States and Canada, and have the required New York City MEA and BEC approvals. All Ice Air units meet Federal Energy Efficiency requirements and are tested in accordance with current ARI standards.

Due to ICE AIR's ongoing research and development programs, product specifications are subject to change without notice.

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