

KOOLTRONIC PACKAGED BLOWER QUICK SHEET



Standard Twin Packaged Blower - These blowers achieve exceptional performance by using the largest possible blower housings and wheels. With capacities from 130 to 800 CFM, they deliver air from more than 50% of their 17" width. Internal isolation mounts reduce vibration to the enclosure. Trouble-free performance is assured by use of precision ball-bearing motors, and the dual inlet design, which uses intake air to cool the motor.



Recessed Twin Packaged Blower - If panel space is critical these blowers provide maximum air delivery using minimum panel height. Recessed units save a full 1³/₄" of panel height with no loss of airflow because the open grille provides sufficient area to meet air delivery requirements. With capacities from 130 to 800 CFM, Recessed Twin Blowers provide the same excellent performance and service-life as the Standard Twin Package Blowers.



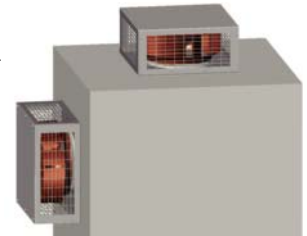
EMI/RFI Shielded Twin Packaged Blower - These blowers achieve a high degree of EMI attenuation. The KPR Series combines the EMI/RFI shield with Standard Twin Package Blowers. This shielded front end can also be incorporated into the entire line of Kooltronic Packaged Blowers as a option, with few dimensional changes. EMI/RFI shielded fronts, in packaged blowers or used separately, do not reduce air delivery.



Broad Discharge Packaged Blowers - These units combine a quadruplex centrifugal blower with an internal plenum chamber, providing an even distribution of air across the width of the cabinet. Installation directly beneath the electronics cools rows of components efficiently. Offering capacities from 270 to 750 CFM, these blowers cool without the need for a space-consuming external plenum chamber. The dual inlet quadruplex blower is designed for maximum airflow.



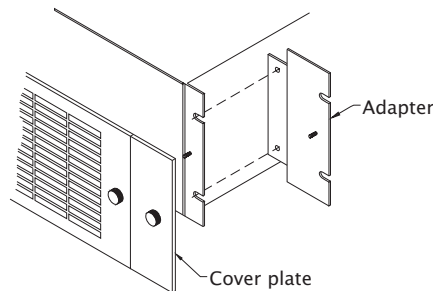
Pagoda's Versatile Mounting:
Mount on cabinet's top, side, or even bottom.



The Pagoda Series Packaged Impeller Blowers - The Pagoda Series uses motorized impeller blowers for maximum efficiency and performance at reduced noise levels. These blowers are designed to be mounted on the top or side of the cabinet. The air flows out of the cabinet into the inlet of the blower, exiting on all four sides. These compact units are available in capacities from 180 to 1295 CFM, and they occupy no internal space. The Pagoda Series is designed to accommodate 115 and 230 volts, 50 and 60 Hz, and they are available in various sizes, flows and static pressures for a wide variety of applications. Components are UL, cUL Recognized and the motors carry a CE mark. Pagoda Blowers are constructed of a heavy-gauge steel enclosure with a baked powder finish, and include ball-bearing motors and exhaust guards. The Pagoda Series Packaged Blowers are available in standard and custom sizes.



Fan & Blower Automatic Speed Controller - The KSC100 is a solid state "smart" controller in a NEMA 1 type enclosure for remote mounting. It will operate single or multiple fans or blowers of compatible voltage up to a combined load of 6 Amps. The controller may be operated by either a voltage signal, a current signal or one to three temperature sensors. A wide variety of control logic can be programmed into the controller.



Optional Adapters - (Set of Two) - These optional adapters extend the width of any 19" Kooltronic Packaged Blower to fit in a cabinet designed for 24" units. The EIA-notched adapters are covered by a plate of mirror-finish stainless steel to match Kooltronic Standard Grilles. These adapters are non-structural. Therefore, Packaged Blowers must be supported at the rear.



Kooltronic Package Blowers are used in semi-clean environments for equipment that can tolerate above ambient temperatures. They provide adequate filtration against moderate static pressures. Each combines a double-inlet blower in a sturdy cabinet, with a filter and grille. Together with available options and accessories these blowers provide the solution to virtually every application requiring a packaged unit utilizing ambient air for cooling.

FEATURES AND BENEFITS OF KOOLTRONIC, INC.



- Kooltronic-designed Packaged Blowers are manufactured in the USA.
- Kooltronic has a 170,000 sq. ft. manufacturing and testing facility.
- 100% testing on all Kooltronic-designed products.
- Kooltronic's Quality System is ISO 9001: 2015 Certified.
- Environmental chamber and laboratory on site.
- Contract laboratory facilities for complete system analysis.
- Kooltronic designs products using solid modeling software.
- Founded in 1956, Kooltronic is a privately owned company.
- Painted units have baked powder finish.
- Full line of options for custom applications.
- Automated and custom paint booths.
- Custom design - prototype program.
- Precision ball bearing motors.

General Specifications for all Packaged Blowers

Rugged Construction: Precision-engineered heavy-gauge steel construction on all painted units insures blowers stand up under tough applications. On Rack-Mounted units, EIA-notched flanges extend 17 inch [431.8mm] blower cabinet to 19 inch [482.6mm] panel width.

Baked Powder Finish: Durable, baked-on powder finish is standard. Custom finishes and colors available.

Precision Ball-Bearing Motors: All motors, whether permanent split capacitor or shaded pole, are UL/CSA Recognized and include automatic-reset thermal overload protection. Designed for low temperature rise, Kooltronic motors are also cooled by the blowers' intake air for maximum motor life. All motors are UL Recognized and carry a Declaration of Conformity to applicable CE Standards. Special permanent lubricants perform over a broad temperature range: -20°F (-29°C) to 250°F (121°). Consult Kooltronic for motors designed to meet unique applications or extreme environmental specifications.

Power: 115 VAC or 230 VAC, 50/60 Hz is standard. For multi-phase power, other voltages and frequencies or brushless DC applications, consult Kooltronic.

Grille: All Rack-Mounted units include attractive 19-inch [482.6mm] wide stainless steel grilles with knurled captive fasteners for easy removal. Grille area is 65% open and complies with OSHA and UL safety standards.

Filters: The filters included with most packaged blowers consist of a multi-layer grid of sturdy, corrugated aluminum in a one-piece aluminum frame. Adhesive coated to trap particulate matter, they are easy to remove, wash and treat with Kooltronic A-16, an adhesive-rejuvenating spray. Filters must be kept free of accumulations, to prevent reduction or loss of performance and/or damage to equipment.

Power Cord: All 115 VAC, 50/60 Hz units are supplied with a three-wire cord with molded plug included, internally grounded and securely locked to the case by a strain relief bushing. 230 VAC, 50/60 Hz blowers are supplied without a plug. Special lengths and/or plugs are available.

Exhaust Guards: Included on all packaged blowers.



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to visit kooltronic.com

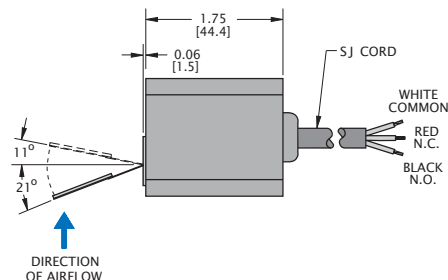
For more information on our thermal
management products please visit:

kooltronic.com



Packaged Blower Accessories and Options

Airflow Switch - Protects equipment against damage caused by loss of cooling airflow by activating an alarm or turning off power. The switch can be mounted on any suitable surface which allows the stainless steel air vane to be placed in the critical airstream. The switch is a single-pole double-throw type, with normally open and normally closed contacts.



30 PENNINGTON-HOPEWELL ROAD PENNINGTON, NEW JERSEY 08534 ● TEL: 609-466-3400 ● FAX: 609-466-1114

