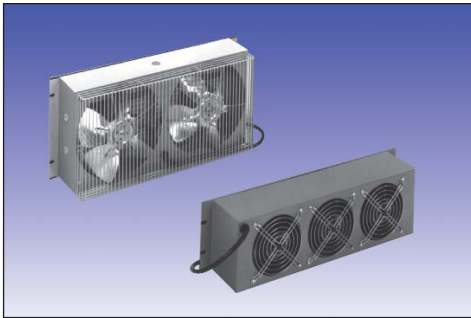


# TWIN AND TRIPLE FANS



KP875A KP500B (top to bottom)

## STANDARD FEATURES

- Baked Powder Finish
- Capacities: 250 to 440 CFM
- Exceptionally quiet
- Rugged construction
- UL/CSA precision ball-bearing motors
- 36" [914.4mm] (minimum) type SJT three-wire cord with molded plug

## ACCESSORIES AND OPTIONS\*

- Adapters
- Grille Assemblies
- Filter Recoating Adhesive
- Filters for replacement
- Special external paint finishes
- Special line cord or connectors

\*See opposite side for more information.

## TECHNICAL DATA\*\*

Model	CFM@ 0-inches	RPM Nominal
KP500	250	3100
KP875	440	1500

Model	Amps		Watts	Approximate Weight	
	Run	L.R.		Lbs.	[kg]
KP500	0.6	0.9	55	9	4.1
KP875	1.2	1.5	98	12	5.5

\*\*115V, 60 Hz. operation

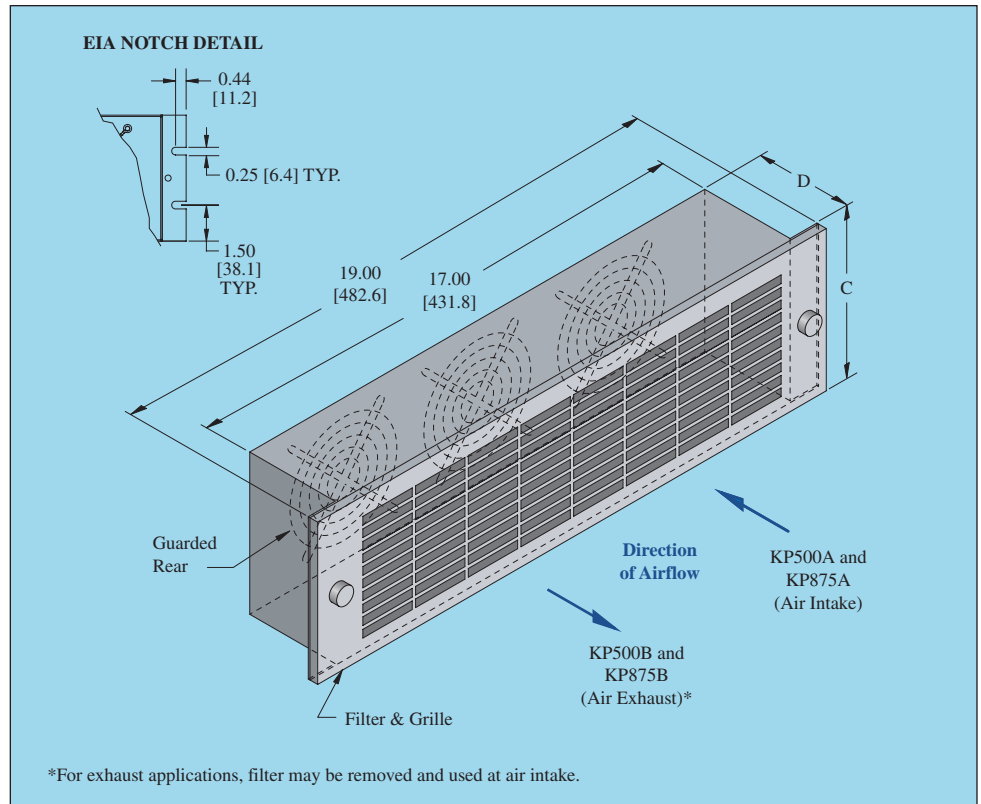
## HOW TO ORDER

Specify model number, adding discharge suffix A (intake) or B (exhaust). Example: KP875A For 230 VAC operation, add a 2 after the K. Example: K2P875A.

For assistance in model selection, refer to the *Blower and Fan Selection Guides*, contact **KOOLTRONIC**, or use one of our design aid software programs, available **FREE**.

CALL 1-800-321-KOOL (6556)  
or FAX 609-466-1114

**POPULAR MODELS ARE STOCKED AND READY TO SHIP**



## DIMENSIONS (inches [metric])

Model	Discharge Available	Panel Height (C)	Depth (D)
KP500	A & B	5.25 [133.4]	3.50 [88.9]
KP875	A & B	8.75 [222.3]	4.25 [108.0]

See "Additional Specifications: Enclosures" on second page for other dimensional data.

NOTE: Model KP875 Fans feature neoprene vibration isolation mounts. Not required on KP500.

## FILTERS

Model	Filter P/N
KP500	5251F-2
KP875	8751F

## DESCRIPTION

**TWIN AND TRIPLE FANS:** In low static pressure applications, these fans provide high airflow in a very thin package. An exclusive KOOLTRONIC design provides exceptionally quiet operation in both intake and exhaust applications. Whether mounted horizontally or vertically, these minimum-vibration fans require little internal cabinet space, leaving virtually the entire cabinet free for power supplies or other components.

**CAUTION:** We strongly recommend proper guarding of fans to prevent serious injury.

## STANDARD FEATURES

**RUGGED CONSTRUCTION:** Precision-engineered heavy-gauge steel construction insures fans stand up under tough applications.

**BAKED POWDER FINISH:** Durable, baked-on gray powder finish is standard. Other finishes are 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 fans' intake air, for maximum motor life. All motors meet Federal Specification CC-M-1807A, and include double-sealed or double-shielded precision ball bearings which meet Federal Specification FF-B-171A. Special permanent lubricants perform over a broad temperature range: -20°F (-28.9°C) to 250°F (121.1°C). Consult KOOLTRONIC for motors designed to meet military 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.

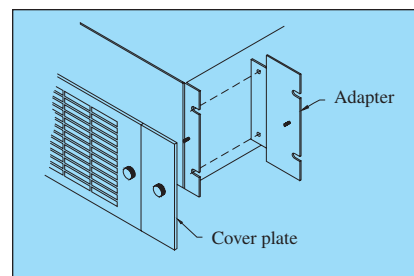
## ACCESSORIES AND OPTIONS\*

**ADAPTERS:** (Set of two) These extend the width of any 19" [482.6mm] KOOLTRONIC Packaged Fan to permit mounting in a cabinet designed for 24" [609.6mm] 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.

### Models

Mirror Finish	Brushed Finish	Height Inches [metric]
KA24-5M	KA24-5	5.25 [133.4]
KA24-8M	KA24-8	8.75 [222.3]



**FILTER RECOATING ADHESIVE:** This compound is a superior product for recoating all permanent filters after washing. The adhesives penetrate dirt layers to keep the filter surface tacky for longer effective performance between washings.

Part No. A-16 - one pint container.

**FILTERS FOR REPLACEMENT:** All KOOLTRONIC filters consist of a multi-layer grid of sturdy corrugated aluminum, securely held in a one-piece aluminum frame. Filters are required wherever air is drawn into an electronics enclosure or related cooling equipment to keep internal parts as clean as possible.

A non-drying adhesive coating traps a high percentage of particulate matter. These washable, reusable filters are designed to last the life of the cooling unit. Replacements are available for those which become damaged or otherwise non-serviceable.

KP500 - Part No. 5251F-2, KP875 - Part No. 8751F

**GRILLE ASSEMBLIES:** These assemblies are ideal for venting applications on the enclosure. These attractive grilles are made of mirror-finish stainless steel. All are 19" [482.6mm] wide. They are 65% open, comply with OSHA and UL safety standards, and include knurled captive fasteners for easy attachment and removal.

### Model

Grilles Assemblies	Filter Grilles Assemblies	Height Inches [metric]
KPG525-19	KFG525-19	5.25 [133.4]
KPG875-19	KFG875-19	8.75 [222.3]

Overall depth, including fasteners:  
0.50" [12.7mm]    0.75" [19.1mm]

**SPECIAL EXTERNAL PAINT FINISHES**

**SPECIAL LINE CORD OR CONNECTORS**

\*Contact KOOLTRONIC for information.

## ADDITIONAL SPECIFICATIONS

**ENCLOSURES:** Precision-engineered baked powder coated heavy-gauge steel construction. 17" [431.8mm] wide. EIA-notched flanges extend 17" [431.8mm] fan enclosure to 19" [482.6mm] panel width.

**GRILLE/GUARD:** Include a rear guard and an attractive stainless steel grille with knurled captive fasteners for easy removal. Grilles and guards comply with OSHA and UL safety standards.

**PERMANENT FILTER:** Furnished with each packaged fan. Recommended wherever air is drawn into the electronics cabinet. Designed to last the life of the unit, filters 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:** 36" [914.4mm] (minimum) type SJT three-wire cord with molded plug, internally grounded and securely locked to case by strain relief bushing. 230 VAC, 50/60 Hz units are supplied without plugs.

**KOOLTRONIC also designs and manufactures a variety of Fans to meet *unique* specifications. We invite your inquiries about our modification and custom-design capabilities.**

# TWIN AND TRIPLE FANS PERFORMANCE CHARTS



Airflow vs. static pressure curves are shown for 60 Hz and 50 Hz (broken line) inputs. Static pressure is in inches of water.

## CONVERSION FACTORS

Multiply airflow in cubic feet per minute (CFM) by:

- 1.7 to obtain airflow in cubic meters per hour ( $m^3/hr.$ )
- 0.47 to obtain airflow in liters per second (L/S)

Multiply static pressure in inches of water ( $"H_2O$ ) by:

- 25.4 to obtain static pressure in millimeters of water (mm  $H_2O$ )
- 249 to obtain static pressure in Pascals (Pa)

