

# PKS 313X

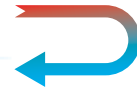
## AIR/AIR HEAT EXCHANGERS

65 W/°C

The PKS 313X Series Air/Air Heat Exchangers use **Pfannenberg's Kinetic System™** next generation cooling to exchange and move heat from an electrical enclosure to the outside environment. This is a perfect solution when concerned with the open loop designs that don't prevent corrosive gas, humidity and dust from entering the enclosure. Designed for indoor cooling, outdoor or remote applications that require a closed loop system to protect electronics. Available in 3 models; **PKS 3131**, **PKS 3133**, **PKS 3134**.

## PFANNENBERG KINETIC SYSTEM™

Uses next generation cooling technology that out-performs conventional heat exchanger and/or heat pipe solutions.



### Best CCPD™

Produces superior Cooling Capacity Per Density vs. conventional heat exchanger and/or heat pipe solutions.

### Energy Efficient

Utilizes lower temperature ambient air to cool warmer internal air without an active component such as a compressor which consumes high amounts of energy.

### Reduced Maintenance

With only two mechanical components (fans), potential failure point is reduced to ensure continuous uptime of your processes.

### Flexible Mounting Options

Unit can be installed vertically or horizontally, allowing the cool air to be focused where it is needed most.



### Closed Loop Design

Designed to isolate external ambient air from internal air eliminating the risk of contaminants entering the cabinet. Compared to Filterfans® with Rainhoods, the PKS seals against gaseous substances, humidity and airborne particulates such as dust, keeping it away from sensitive components within the electrical enclosure.

### Easy Installation

Our compact lightweight design means that the unit can be installed by just one person.

### Self Protected from Harsh Environments

Our unit is uniquely designed to protect itself in NEMA 3R, 4, and 4X environments. An example of this is the location of our control electronics within our dry, cool interior circuit.

### Eliminates Hotspots

High CFM fan for good air flow within the enclosure, ideal for removing hot spots.



**PATENT  
PENDING**





## PKS 313X (65 Watts/°C) Kinetic System Air/Air Heat Exchangers

Model Number	Part Number	Voltage 50/60 Hz (VAC)	Specific Cooling Capacity		Cooling Capacity @ $\Delta T = 20^{\circ}\text{C}$ (BTU/hr)	Power Consumption (Watts)	Nominal Run Current (Amps)	Mounting Dimensions* (Inches)			Weight (without packaging) (lbs)
			(W/°C)	(W/°F)				Width	Depth	Height	
<b>PKS 3131</b> Indoor Rated (NEMA Type 12)	12480311005	115	65	36	4,400	75	<1	12	11	35	44
	12480321005	230	65	36	4,400	75	<1	12	11	35	44
	12480331005	400/460	65	36	4,400	75	<1	12	11	35	47
<b>PKS 3133</b> Outdoor Rated (NEMA Type 3R/4)	12480313005	115	65	36	4,400	75	<1	12	11	35	50
	12480323005	230	65	36	4,400	75	<1	12	11	35	50
	12480333005	400/460	65	36	4,400	75	<1	12	11	35	53
<b>PKS 3134</b> Washdown (NEMA Type 4/4X)	12480314008	115	65	36	4,400	75	<1	12	11	35	50
	12480324008	230	65	6	4,400	75	<1	12	11	35	50
	12480334008	400/460	65	36	4,400	75	<1	12	11	35	53

Additional Data	PKS 313X
Ambient Temp. Range (°F)	Min: -25°C / -13°F . . . +55°C / +131°F
Control Range (°F)	20°C to 60°C (68°F to 140°F); Factory Setting 35°C (95°F)
Design	Housing/Cover: Indoor/Outdoor - powder coated RAL 7035 (light gray); Washdown - 304 Stainless Steel

\*Louver and rainhood dimensions not included on outdoor and washdown units.

For additional technical data, drawings and templates visit [www.pfannenbergusa.com](http://www.pfannenbergusa.com)  
Subject to technical amendments and misprints.

### Available Models:



**PKS 3131**  
Indoor Rated

**PKS 3133**  
Outdoor Rated

**PKS 3134**  
Washdown

### Cooling Capacity Performance Curve

#### How to use this chart

Example: @  $\Delta T$  of 18 °F (X-axis),  
PKS 330X will provide 4776 Btu/h cooling capacity (Y-axis)

