

PKS 320X

AIR/AIR HEAT EXCHANGERS

100 W/°C

The PKS 320X 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 3201**, **PKS 3203**, **PKS 3204**.

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.





PKS 320X (100 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	
PKS 3201 Indoor Rated (NEMA Type 12)	12480511005	115	100	56	6,800	75	<1	12	11	35	44
	12480521005	230	100	56	6,800	75	<1	12	11	35	44
	12480531005	400/460	100	56	6,800	75	<1	12	11	35	47
PKS 3203 Outdoor Rated (NEMA Type 3R/4)	12480513005	115	100	56	6,800	75	<1	12	11	35	50
	12480523005	230	100	56	6,800	75	<1	12	11	35	50
	12480533005	400/460	100	56	6,800	75	<1	12	11	35	53
PKS 3204 Washdown (NEMA Type 4/4x)	12480514008	115	100	56	6,800	75	<1	12	11	35	50
	12480524008	230	100	56	6,800	75	<1	12	11	35	50
	12480534008	400/460	100	56	6,800	75	<1	12	11	35	53

Additional Data	PKS 320X
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.pfannenbergsusa.com

Subject to technical amendments and misprints.

Available Models:



PKS 3201
Indoor Rated

PKS 3203
Outdoor Rated

PKS 3204
Washdown

Cooling Capacity Performance Curve

