

# GUARDIAN/GUARDIANX SERIES NEMA 4 or 4X FILTER FANS KNP225FL

## TECHNICAL DATA



Model	Airflow Direction	NEMA Rating	Voltage	Input Amps	Input Watts	Max Airflow CFM*	Unit Airflow CFM**	Noise db(A)	Operating Temp. °F		Approx. Weight	
									Min.	Max	Lbs.	Kg.
KNP225FL	Intake	4	115	1.85	210	444	350	69.1	-40	122	23.5	10.7
KNP225RFL	Exhaust	4	115	1.85	210	444	350	69.1	-40	122	23.5	10.7
K2NP225FL	Intake	4	230	0.93	213	444	350	69.1	-40	140	23.5	10.7
K2NP225RFL	Exhaust	4	230	0.93	213	444	350	69.1	-40	140	23.5	10.7
K8NP225FL	Intake	4	48 VDC	2.43	116	444	350	69.1	-4	158	23.5	10.7
K8NP225RFL	Exhaust	4	48 VDC	2.43	116	444	350	69.1	-4	158	23.5	10.7
KNP225FLV	Intake	4X	115	1.85	210	444	350	69.1	-40	122	23.5	10.7
KNP225RFLV	Exhaust	4X	115	1.85	210	444	350	69.1	-40	122	23.5	10.7
K2NP225FLV	Intake	4X	230	0.93	213	444	350	69.1	-40	140	23.5	10.7
K2NP225RFLV	Exhaust	4X	230	0.93	213	444	350	69.1	-40	140	23.5	10.7
K8NP225FLV	Intake	4X	48 VDC	2.43	116	444	350	69.1	-4	158	23.5	10.7
K8NP225RFLV	Exhaust	4X	48 VDC	2.43	116	444	350	69.1	-4	158	23.5	10.7

\* Fan airflow without filter and grille.  
\*\* NEMA Rated if installed with provided filter.



**NEMA TYPE 4/4X MAINTAINED**

## STANDARD FEATURES

- Baked Powder Finish
- Integrated Fan Guards
- Integrated Sealing Gasket
- IP55 Filter Protection
- NEMA 4 or 4X Rating Maintained (if used with provided filter)
- Secure Mounting
- Six foot [1.8m] (minimum) 3-wire power cord
- Stainless Steel Shell (NEMA 4X models)
- UL Shielded Ball Bearing Motors
- UL/CUL Listed
- Washable, Reuseable Filter

## ACCESSORIES AND OPTIONS

- Filter-Hood Assembly (Recommended) P/N: KNP225FL(V)
- Other voltages, both AC and DC
- Replacement Filters for all models (P/N: 0429-01-06)
- T-Temperature Control (90°F) (AC units only)
- B-Temperature Alarm (130°F)

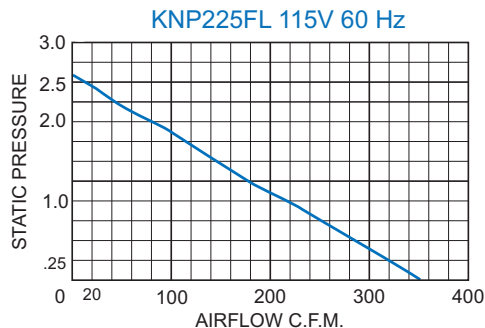
For general ventilating use only. Do not use these fans to exhaust hazardous or explosive material or vapors.  
**NOT ALL SYSTEMS ARE SUITABLE FOR UTILIZING OUTSIDE AIR. To protect sensitive components against condensation an enclosure heater or closed-loop cooling is recommended. To protect sensitive components against corrosive elements closed-loop cooling is recommended.**

Find additional information on this model at [kooltronic.com](http://kooltronic.com), or use the Technical Documents QR code below.

Technical Documents



## PERFORMANCE CHART



Airflow vs. static pressure curve is shown for 60 Hz (solid line) inputs. Static pressure is in inches of water.



# GUARDIAN/GUARDIANX SERIES NEMA 4 or 4X FILTER FANS KNP225FL

## DESCRIPTION

Kooltronic has expanded its line of filter fans to include models offering the versatility and security of indoor or outdoor use. All **Guardian Series Filter Fans** have a **NEMA 4** Rating. The **GuardianX Series Filter Fans**, with a **NEMA 4X** Rating, are offered with a Stainless Steel Shell. The **Guardian/GuardianX Series Indoor/Outdoor Filter Fans** are a perfect choice for dissipating high heat loads economically. These models are available in a variety of sizes, voltages and protection levels.

The new **Guardian/GuardianX Series Filter Fans** offer the same convenience, versatility and reliability as the **Advantage Series Filter Fans** with the added protection of a NEMA 4 or 4X Rating, making these models an excellent choice for telecommunications and other outdoor applications.

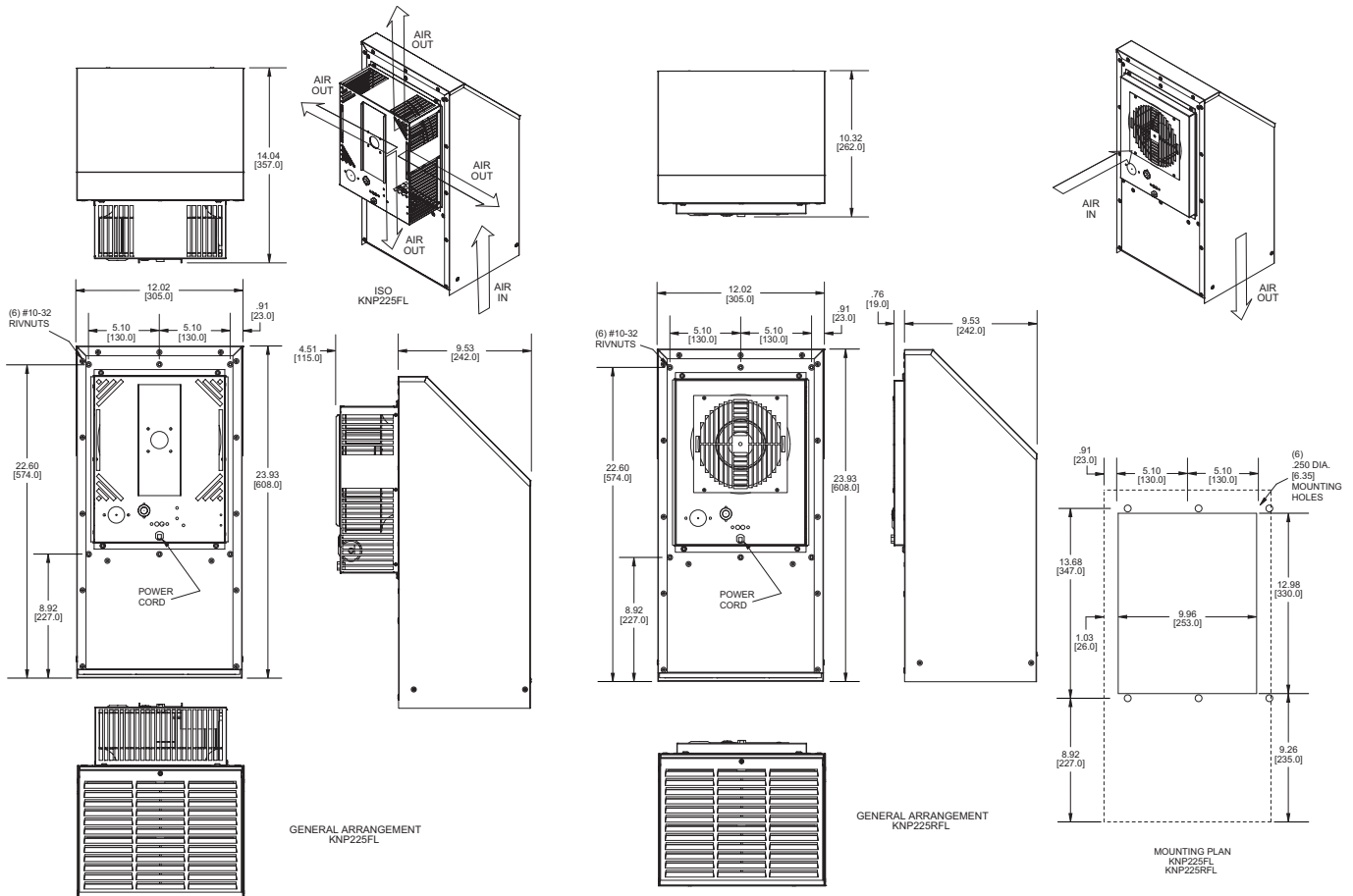
## COMPONENT CHARACTERISTICS

- Standard airflow direction is from the outside to the inside of the cabinet.
- Filters are stable up to 100°C and 100% rh. (Filters are necessary in order to maintain NEMA 4 or 4X Rating).
- Filters guarantee a continuously high level of protection according to EU4, with a 94% separation efficiency according to DIN 24185 Standard. NOTE: Filter media is washable about 10 times.
- With filters, dust capacity is particularly high (620 g/m<sup>2</sup>), which reduces maintenance.

## ACCESSORIES AND OPTIONS

- Filter-Hood Assembly (Recommended) P/N: KNPA225FL(V)
- Other supply voltages, both AC and DC, are available on request.
- Replacement Filters for all models order Part Numbers 0429-01-06.
- T-Temperature Control (90°F) AC units only.
- B-Temperature Alarm (130°F).

## DRAWINGS



## HOW TO ORDER

Specify model number.

Dimensions, inches [mm], are for reference only and are subject to change.