

GUARDIAN/GUARDIANX SERIES NEMA 4 or 4X FILTER FANS KNP40FL

TECHNICAL DATA



Model	Nema Rating	Normally In Stock	Voltage	Frequency Hz	Input Amps	Input Watts	Fan Airflow CFM*	Unit Airflow CFM**	Noise db(A)	Operating Temp. °F		Approx. Weight	
										Min.	Max	Lbs.	Kg.
KNP40FL	4	Yes	115 VAC	50/60	.22/.19	14/13	90/106	40/45	52/55	-40	158	10	4.5
KNP40FLV	4X		115 VAC	50/60	.22/.19	14/13	90/106	40/45	52/55	-40	158	10	4.5
K2NP40FL	4		230 VAC	50/60	.13/.11	14/12	90/106	39/44	52/55	-40	158	10	4.5
K2NP40FLV	4X		230 VAC	50/60	.13/.11	14/12	90/106	39/44	52/55	-40	158	10	4.5
K6NP40FL	4		12 VDC	-	0.43	5.1	100	27	43	14	158	10	4.5
K6NP40FLV	4X		12 VDC	-	0.43	5.1	100	27	43	14	158	10	4.5
K7NP40FL	4		24 VDC	-	0.10	2.4	108	41	45	14	158	10	4.5
K7NP40FLV	4X		24 VDC	-	0.10	2.4	108	41	45	14	158	10	4.5
K8NP40FL	4		48 VDC	-	0.11	5.3	108	30	43	14	158	10	4.5
K8NP40FLV	4X		48 VDC	-	0.11	5.3	108	30	43	14	158	10	4.5

* Fan airflow without filter and grille.

** NEMA Rated if installed with provided filter.

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.

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/CSA Shielded Ball Bearing Motors
- UL/CUL Listed
- Washable, Reuseable Filter



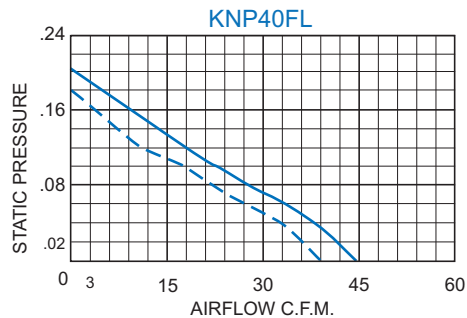
NEMA
TYPE 4/4X
MAINTAINED

ACCESSORIES AND OPTIONS

Filter-Hood Assembly (Recommended) (P/N: KNPA60FL)

- Other voltages, both AC and DC
- Replacement Filters (P/N: 0429-01-01)
- Reversed Airflow Direction

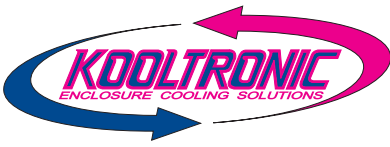
PERFORMANCE CHART



Airflow vs. static pressure curves are shown for 60 Hz and 50 Hz (broken line) inputs.

MOUNTING PLAN

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



GUARDIAN/GUARDIANX SERIES NEMA 4 or 4X FILTER FANS KNP40FL

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/m²), which reduces maintenance.

ACCESSORIES AND OPTIONS

- Other supply voltages, both AC and DC, are available on request.
- Filter fans can be supplied with reversed airflow direction (from inside the cabinet to outside). To order, add "R" after series number. Example: KNP40RFL.
- Depending on the request and quantity, parts can be supplied in different colors.
- Filter-Hood Assembly (Recommended) (P/N: KNPA60FL).
- Replacement Filters (P/N: 0429-01-01).

DRAWINGS

