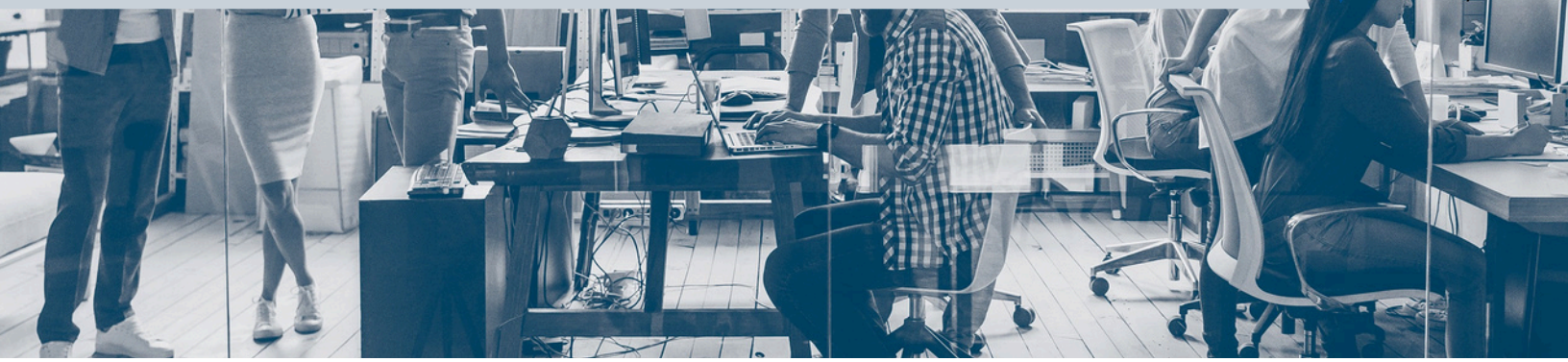
NexGen | Dedicated Outdoor Air

VHF Sales, Inc.



WHAT WE OFFER

Dedicated Outdoor Air Systems

In its simplest form, a dedicatedoutdoorair system (DOAS) isatype of HVAC system whose primary function is to deliver treated outdoor air into the space it serves. These systems filter the incoming air, remove moisture, and generally reheat the air back to 72°F (or neutral). However, due to the inherent flexibility of the NexGen product line, these units can be designed for dew point control, make up air, and many other applications.

STANDARD AND OPTIONAL FEATURES

Compact Series DOAS

- Capacity from 3 - 90 Tons
- Airflow from 750 - 19,000 CFM
- 2” Foam-Injected Double-Wall Construction (R-13)
- Hinged, Double-Walled Access Doors
- 6-Row Intertwined Air Coils
- Modulating Reheat Circuit
- Switchable SubCooling Circuit
- Scroll Compressors (Optional Lead VFD) All-
- Digital Controls with BAS Integration Direct
- Drive EC Plenum Supply Blowers Modulating
- Electric or Gas Heat
- 2500 Hour Salt-Spray Rated Cabinet
- MicroChannel Condenser Coils
- Up to 6” of Media Filtration
- Multiple Service Access Points
- Reduced Cabinet Weight
- Compact Footprint
- Optional 10,000 Hour Corrosion Protection

STANDARD AND OPTIONAL FEATURES

Flex Series

- Capacity from 3 - 140 Tons
- Airflow from 500 - 22,000 CFM
- Available in both Air-Source and Water-Source Heat Pump Configurations
- 2” Double-Wall Foam Insulated Construction (R-13)
- Hinged, Double-Walled Access Doors
- 6-Row Intertwined Air Coils
- Scroll Compressors (Optional Lead VFD) All-
- Digital Controls with BAS Integration
- Direct Drive Plenum Supply Blowers
- Staged or Modulating Electric or Gas Heat
- 2500 Hour Salt-Spray Rated Cabinet
- MicroChannel Condenser Coils
- Up to 6” of Media Filtration
- Multiple Service Access Points
- Optional 10,000 Hour Corrosion Protection
- Optional Modulating Reheat Circuit
- Optional Switchable SubCooling Circuit
- Optional Exhaust with Energy Wheel
- Tailored to Meet Custom Requirements

NEXGEN

Source: NexGen DOAS | nexgendoas.com

OUR FAMILY OF PRODUCTS

A Fit for Every Building



1 Series

- Capacity from 3 - 10 Tons Airflow: 750 - 2,500 CFM
- Ultra-Small Footprint with Energy Efficient Operation
- 100% OA, Recirculating, Mixed Operation



3 Series

- Capacity from 10 - 25 Tons Airflow: 2,500 - 6,250 CFM
- Fits Many Competitor's Footprints with More Capacity
- 100% OA, Recirculating, Mixed Air, Energy Recovery, and Exhaust Operation



5 Series

- Capacity from 20 - 45 Tons Airflow: 5,000 - 11,000 CFM
- Small Footprint with Large Heating Capacity
- 100% OA, Recirculating, Mixed Air, Energy Recovery, and Exhaust Operation



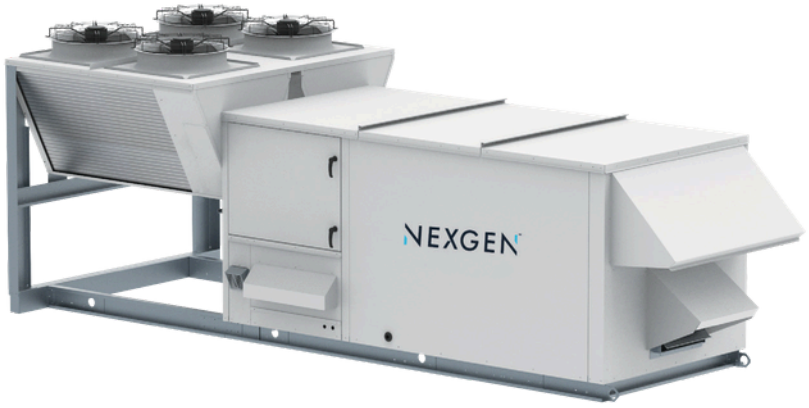
7 Series

- Capacity from 45 - 90 Tons Airflow: 11,250 - 19,000 CFM
- Fits Many Competitor's Footprints with More Capacity
- 100% OA, Recirculating, Mixed Air, Energy Recovery, and Exhaust Operation

Flex Series

The more specialized the building and application becomes, the more specialized the solution needs to be to match.

At NexGen, our drive to provide the best solutions for customers has lead to the development of our flagship packaged system.



The Flex Series delivers exceptional performance and versatility over its standard 3 - 140 Ton range. Featuring the widest range of size and option combinations available today, it's a perfect match for every application requiring dedicated outdoor air, mixed air, and dehumidification. Additionally, NexGen specializes in customer specified semi-custom solutions for those highly engineered applications as well. From Retail, Offices, Hospitality, and more, the Flex Series is perfect fit for your next project.

Available as a Heat Pump!

DEFROST-FREE FROSTSHIELD HEAT PUMPS

Source: NexGen DOAS | nexgendoas.com

MARKETS WE SERVE

Solutions for Every Application



Healthcare

When the focus is on healing, patient comfort is critical. NexGen provides fresh air into a variety of healthcare spaces and applications.



Retail

A pleasant shopping experience can increase customers and sales. NexGen products offer grocery store and retail spaces with refrigeration energy savings and effective temperature control.



Education

NexGen provides Innovative solutions for changing ventilation needs based on occupancy, time of day, and space usage.



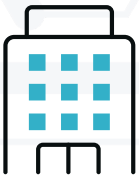
Hospitality

Hotels, restaurants & fitness centers require an Awesome Customer Experience to be successful. Comfort is key.



Fitness

IAQ in a fitness facility is important because of the proximity of patrons as well as their increased rate of respiration and perspiration.



Offices

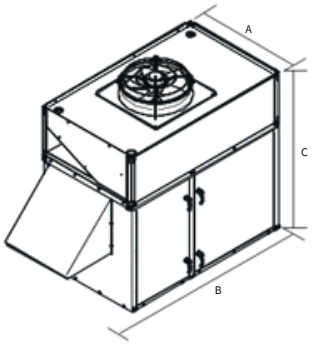
From small to largespaces, NexGen offers solutions for all types of office buildings that require controlled outdoor air ventilation.

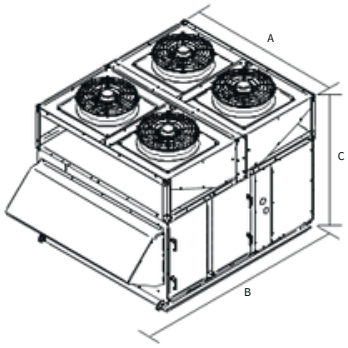
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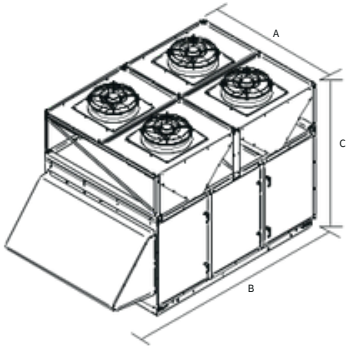
Compact Series Dimensions

Compact 1 Series Cabinet

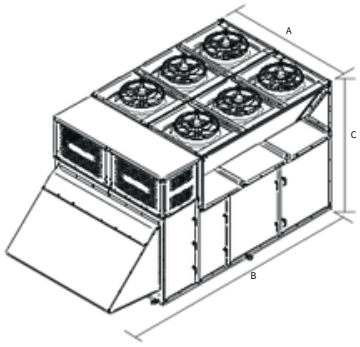




Compact 5 Series Cabinet



Compact 7 Series Cabinet



Model:	Maximum Airflow:	Heat Range: (MBH)	Cabinet:	Tonnage:	Length - OA Model: (A)	Length - With Return: (A)	Length - With Wheel: (A)	Width: (B)	Height: (C)
NR*K036	750	up to 150	S1	3	99.25	99.25	129.0	50.625	77.375
NR*K060	1,250	up to 150	S1	5	99.25	99.25	129.0	50.626	77.375
NR*K096	2,000	up to 150	S1	8	99.25	99.25	129.0	50.625	77.375
NR*K118	2,500	up to 150	S1	10	99.25	99.25	129.0	50.625	77.375
NR*K120	2,500	up to 400	S3	10	115.5	136.5	160.625	80.0	77.0
NR*K150	3,125	up to 400	S3	12	115.5	136.5	160.625	80.0	77.0
NR*K180	3,750	up to 400	S3	15	115.5	136.5	160.625	80.0	77.0
NR*K210	4,375	up to 400	S3	18	115.5	136.5	160.625	80.0	77.0
NR*K240	5,000	up to 400	S3	20	115.5	136.5	160.625	80.0	77.0
NR*K299	6,250	up to 400	S3	25	115.5	136.5	160.625	80.0	77.0
NR*K241	5,000	up to 1200	S5	20	151.875	185.125	209.625	85.0	98.0
NR*K300	6,250	up to 1200	S5	25	151.875	185.125	209.625	85.0	98.0
NR*K360	7,500	up to 1200	S5	30	151.875	185.125	209.625	85.0	98.0
NR*K420	8,750	up to 1200	S5	35	151.875	185.125	209.625	85.0	98.0
NR*K540	11,000	up to 1200	S5	45	151.875	185.125	209.625	85.0	98.0
NR*K541	11,250	up to 1200	S7	45	206.75	239.75	271.438	100.0	110.0
NR*K600	12,500	up to 1200	S7	50	206.75	239.75	271.438	100.0	110.0
NR*K660	13,750	up to 1200	S7	55	206.75	239.75	271.438	100.0	110.0
NR*K720	15,000	up to 1200	S7	60	206.75	239.75	271.438	100.0	110.0
NR*K840	17,500	up to 1200	S7	65	206.75	239.75	271.438	100.0	110.0
NR*K960	18,500	up to 1200	S7	80	206.75	239.75	271.438	100.0	110.0
NR*K09T	19,000	up to 1200	S7	90	206.75	239.75	271.438	100.0	110.0

Note: Dimensions will be dependent on option content, and other field added features. Consult final selection drawings for complete details.

NEXGEN™

DEDICATED OUTDOOR AIR SYSTEMS

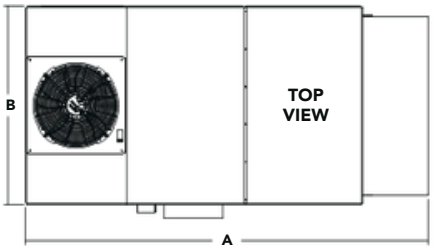
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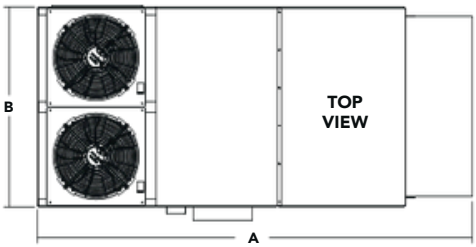
Source: NexGen DOAS | nexgendoas.com

Flex Series Dimensions

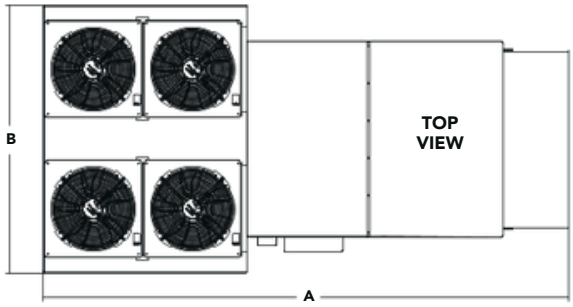
Flex Series A Cabinet



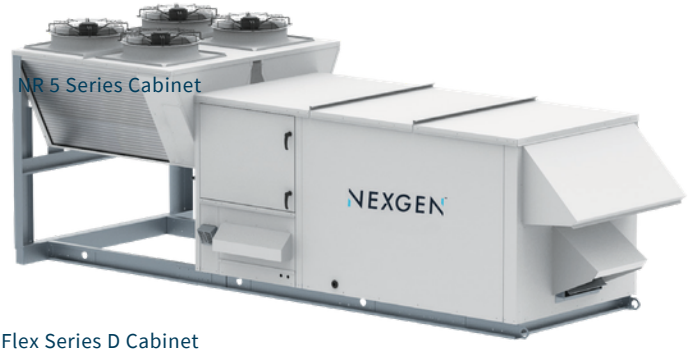
Flex Series B Cabinet



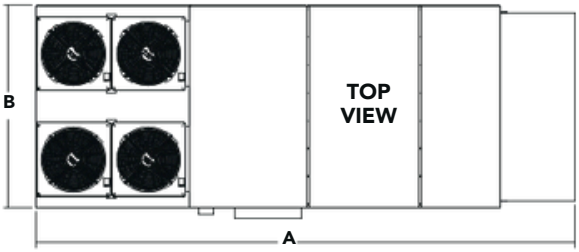
Flex Series C Cabinet



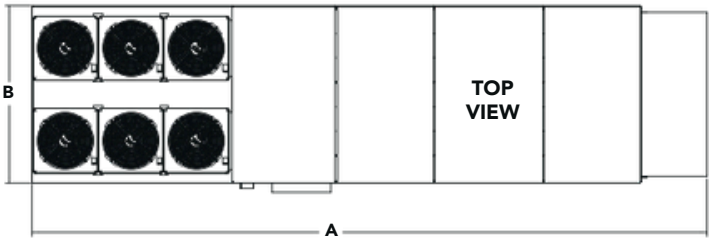
NR 5 Series Cabinet



Flex Series D Cabinet



Flex Series E Cabinet



Note: Dimensions will be dependent on option content, and other field added features. Consult final selection drawings for complete details.
Cabinets are available in vertical or horizontal discharge.

Cabinet:	Condenser Fans:	Maximum Airflow:	Heat Range:	Length: (A)	XL Length: (A)*	Width: (B)	Height: (C)
A	1	3,850	up to 100MBH/30kW	119.0	N/A	64.0	61.0
A	2	3,850	up to 100MBH/30kW	137.1	N/A	64.0	61.0
B	1	6,600	up to 200MBH/100kW	130.0	N/A	64.0	66.7
B	2	6,600	up to 200MBH/100kW	148.1	N/A	64.0	66.7
B	4	6,600	up to 200MBH/100kW	169.7	N/A	87.1	92.0
C	2	8,800	up to 300MBH/100kW	150.5	194.7	64.0	71.0
C	4	8,800	up to 300MBH/100kW	184.6	228.8	87.1	92.0
D	4	15,500	up to 400MBH/150kW	237.8	305.0	87.1	91.5
D	6	15,500	up to 400MBH/150kW	263.7	330.8	87.1	91.5
E	4	22,000	up to 600MBH/150kW	303.6	355.6	100.0	108.0
E	6	22,000	up to 600MBH/150kW	329.6	381.6	100.0	108.0
E	9	22,000	up to 1,200MBH/150kW	N/A	402.0	100.0	114.0

*Note: XL Cabinets Have Additional Heat Capability

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