

ALL PRODUCTS GUIDE 2023

WE'RE ON A MISSION TO CREATE SOLUTIONS FOR SAFER, HEALTHIER, AND MORE PRODUCTIVE INDOOR ENVIRONMENTS

WE ADISON

1949: Harry Truman was in the White House. The Yankees' dynasty was intact after a World Series victory over the Brooklyn Dodgers. Broderick Crawford won the Oscar as the leading man in that year's best picture "All The King's Men."

And in Addison, Michigan, a new company was born that would influence the way America stays comfortable today. In its early years, the Addison Products Company manufactured refrigerant systems for vending machines. But in 1952, under the guidance of VC. "Cliff" Knight, Addison Products Company turned its attention to residential air conditioning.

Knight recognized the post-World War II housing boom offered a tremendous opportunity, and he pushed to make central air conditioning affordable. The breakthrough came in the form of a cooling coil with simple, inexpensive capillary tube refrigerant control. The "split system" design used an air-cooled condensing unit outside the home in tandem with the cooling coil in the plenum of a warm-air furnace. The furnace blower was used to circulate cool air throughout the house. It was a major industry breakthrough. Soon nearly every warm-air furnace company in the country was beating a path to Addison's door and buying the revolutionary new system. Throughout the 1950s, Addison continued to expand, adding a second plant and becoming one of the foremost suppliers of residential comfort products in the United States.

Then in 1960, recognizing the potential of heat pump technology, Addison purchased an innovative company named WeatherKing, Inc. in Orlando, Florida. WeatherKing was a pioneer in the development of water-source and air-source heat pumps for the warm, salt air climate of the South, and a perfect match for Addison's enterprising style. Also, in 1963, Addison invented a packaged air conditioning system for 100% fresh air that evolved into the first commercially available Dedicated Outdoor Air System.

In 1990 Addison sold its Michigan plants and redirected its capital investment. A state-of-the-art manufacturing facility was completed in Orlando, Florida to design and manufacture this new generation of comfort products. The new facility was built with one objective: to continue Addison's tradition of industry leadership in innovative design and manufacture of energy-minded comfort products.

During the 90s, and into the 2000s, Addison refocused its efforts more fully toward the commercial comfort sector selling our WeatherKing residential brand to another manufacturer.

Today, Addison continues to lead the industry in product development with over eight generations of DOAS products. From our highly configurable PR Series, modular split MA/MC series, and the allnew compact AK Series, Addison offers ultimate performance configured for customer applications. The Addison name has become synonymous with innovative design, quality manufacturing and dependable service. That's our heritage at Addison Products Company. It's what we call The Addison Advantage.

Now part of Madison Industries, Addison is well placed to continue our heritage well into the future. Madison's mission to make the world a safer, healthier, and more productive is a perfect fit for Addison, and our customers.

A FEW OF THE APPLICATIONS ADDISON CAN PROVIDE SOLUTIONS FOR:



OFFICES:

From small to large spaces, Addison offers solutions for all types of office buildings that require controlled outdoor air ventilation.



HOSPITALITY:

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



EDUCATION:

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



HEALTHCARE:

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



RETAIL:

When dependable, clean, dehumidified air is needed, Addison can provide solutions to keep customers happy.

SAFER. HEALTHIER. MORE PRODUCTIVE.



AK SERIES COMPACT DOAS:

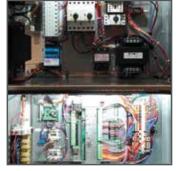
As buildings and city centers continue to evolve, rooftop space comes more at a premium.

At Addison, our drive to provide the best solutions for customers has lead to the development of our all-new compact dedicated outdoor air system.

The AK Series delivers exceptional performance and versatility over its standard 10 - 90 Ton range. Featuring a compact footprint with either vertical or horizontal discharge, it's a perfect match for every application requiring dedicated outdoor air, mixed air, and dehumidification. Additionally, the footprint matches many legacy Addison products and, as an added advantage, is smaller than many competitor footprints. From Retail, Offices, Hospitality, and more, the new AK Series is perfect fit for your next project.



EC VARIABLE SPEED PLENUM FANS



SEPARATED HIGH AND LOW VOLTAGE



FOAM-INJECTED CABINETS



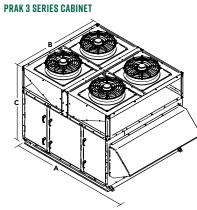
MICROCHANNEL CONDENSER COILS

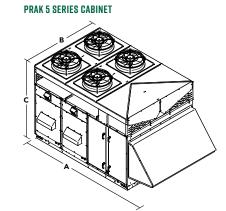


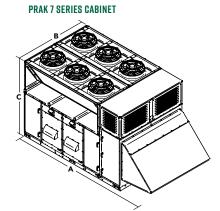
STANDARD & OPTIONAL FEATURES:

- Capacity from 10 90 Tons
- Airflow from 2,500 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
- Compact Footprint
- Optional Exhaust with Energy Wheel
- Optional 10,000 Hour Corrosion Protection

AK SERIES CAPABILITIES & DIMENSIONS:

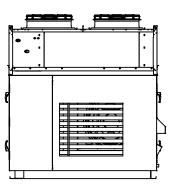


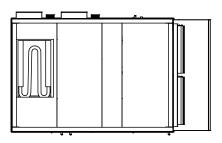




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MODEL:	TONNAGE:	CABINET:	MAXIMUM Airflow:	HEAT RANGE:	LENGTH - Oa only: (a)	LENGTH - WITH Return: (A)	LENGTH - WITH Wheel: (A)	WIDTH: (B)	HEIGHT: (C)
PRAK120	10	3 Series	2,500	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK150	12	3 Series	3,125	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK180	15	3 Series	3,750	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK210	18	3 Series	4,375	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK240	20	3 Series	5,000	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK299	25	3 Series	6,250	up to 400MBH	115.5	136.5	160.625	80.0	77.0
PRAK241	20	5 Series	5,000	up to 1200MBH	151.875	185.125	209.625	85.0	87.0
PRAK300	25	5 Series	6,250	up to 1200MBH	151.875	185.125	209.625	85.0	87.0
PRAK360	30	5 Series	7,500	up to 1200MBH	151.875	185.125	209.625	85.0	87.0
PRAK420	35	5 Series	8,750	up to 1200MBH	151.875	185.125	209.625	85.0	87.0
PRAK540	45	5 Series	11,000	up to 1200MBH	151.875	185.125	209.625	85.0	87.0
PRAK541	45	7 Series	11,250	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK600	50	7 Series	12,500	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK660	55	7 Series	13,750	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK720	60	7 Series	15,000	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK840	70	7 Series	17,500	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK960	80	7 Series	18,500	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0
PRAK09T	90	7 Series	19,000	up to 1200MBH	206.75	239.75	271.4375	100.0	110.0

PRAK DISCHARGE OPTIONS - HORIZONTAL OR VERTICAL





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

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AKI SERIES COMPACT DOAS:

NEW FOR 2023!

As buildings and city centers continue to evolve, rooftop space comes more at a premium.

At Addison, our drive to provide the best solutions for customers has lead to the continual improvement and expansion of our highly acclaimed AK Series.

The AK Series delivers exceptional performance and versatility over its now 3 - 90 Ton range. The all-new 1 Series cabinet features an even more compact footprint with new capacities and efficiencies. The compact 1 Series footprint is a drop-in for many competitor footprints. For even more flexibility, the addition of an energy recovery wheel and exhaust does not change the curb footprint of the cabinet. From Retail, Offices, Hospitality, and more, the AK Series is perfect fit for your next project.



EC VARIABLE SPEED PLENUM FANS



ALL-DIGITAL DDC CONTROLS



FOAM-INJECTED CABINETS



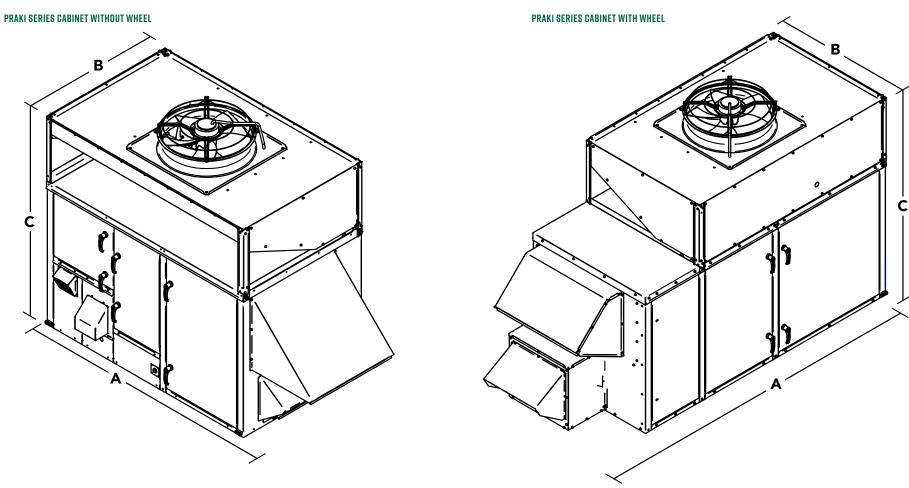
FULLY-VARIABLE SCROLL



STANDARD & OPTIONAL FEATURES:

- Capacity from 3 10 Tons
- Airflow from 400 2,500 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
- Fully Variable Speed Scroll Compressors
- 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

AKI SERIES CAPABILITIES & DIMENSIONS:



MODEL:	TONNAGE:	CABINET:	MAXIMUM Airflow:	HEAT RANGE:	BASE LENGTH - Oa only: (a)	LENGTH - WITH Return: (A)	LENGTH - WITH Wheel: (A)	WIDTH: (B)	HEIGHT: (C)
PRAK036	3	1 Series	750	up to 150MBH	99.25	99.25	129.0	50.625	77.375
PRAK060	5	1 Series	1,250	up to 150MBH	99.25	99.25	129.0	50.625	77.375
PRAK096	8	1 Series	2,000	up to 150MBH	99.25	99.25	129.0	50.625	77.375
PRAK118	10	1 Series	2,500	up to 150MBH	99.25	99.25	129.0	50.625	77.375

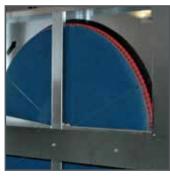
Note: Dimensions will be dependent on option content, and other field added features. Consult final selection drawings for complete details.

PR SERIES PACKAGED SYSTEM:

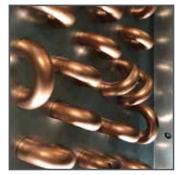
The more specialized the building and application becomes, the more specialized the solution needs to be to match.

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

The PR 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, Addison specializes in customer specified semi-custom solutions for those highly engineered applications as well. From Retail, Offices, Hospitality, and more, the PR Series is perfect fit for your next project.



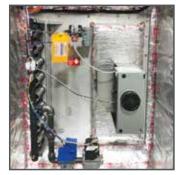
EXHAUST AND WHEEL OPTIONS



6-ROW INTERLACED EVAPORATORS



VARIABLE SPEED SCROLL COMPRESSORS



WIDE RANGE OF HEAT OPTIONS

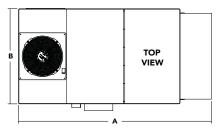


- Capacity from 3 140 Tons
- Airflow from 500 22,000 CFM
- 2" Double-Wall Foam Insulated Construction (R-13)
- Hinged, Double-Walled Access Doors
- 6-Row Intertwined Air Coils
- Scroll Compressors (Optional Lead VFD)
- All-Digital Controls with BAS Integration
- Direct Drive Plenum Supply Blowers
- Staged or Modulating Electric or Gas Heat
- 2500 Hour Salt-Spray Rated Cabinet
- MicroChannel Condenser Coils
- Up to 6" of Media Filtration
- Optional FrostShield[™] Defrost Free Heat Pump Operation
- Optional 10,000 Hour Corrosion Protection
- Optional Modulating Reheat Circuit
- Optional Switchable SubCooling Circuit
- Optional Exhaust with Energy Wheel

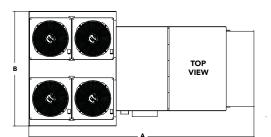
PR SERIES CAPABILITIES & DIMENSIONS:



PR B SERIES CABINET

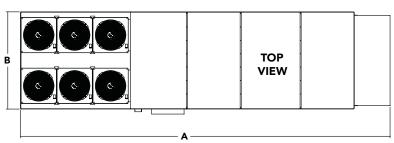


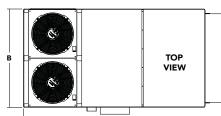
PR C SERIES CABINET



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PR E SERIES CABINET





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PR D SERIES CABINET

CABINET:	CONDENSER Fans:	MAXIMUM Airflow:	HEAT RANGE:	LENGTH: (A)	XL LENGTH: (A)*	WIDTH: (B)	HEIGHT: (C)
А	1	3,850	up to 100MBH/30kW	119.0	N/A	64.0	61.0
А	2	3,850	up to 100MBH/30kW	137.1	N/A	64.0	61.0
В	1	6,600	up to 200MBH/100kW	130.0	N/A	64.0	66.7
В	2	6,600	up to 200MBH/100kW	148.1	N/A	64.0	66.7
В	4	6,600	up to 200MBH/100kW	169.7	N/A	87.1	92.0
С	2	8,800	up to 300MBH/100kW	150.5	194.7	64.0	71.0
С	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: Dimensions will be dependent on option content, and other field added features. Consult final selection drawings for complete details.

*Note: XL Cabinets Have Additional Heat Capability



PR SERIES DESICCANT SYSTEM:

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

At Addison, our drive to provide the best solutions for customers has lead to the continued improvement of our flagship packaged system.

The new desiccant option for the PR Series adds increased flexibility for applications that require ultra-low dewpoint air. While most competitors employ simple on/off technology, Addison's proven variable capacity evaporator and reheat control delivers exceptional control and efficiency. Typical applications include retail grocery, laboratories, process control, and many others. Additional options include, pre-cooling, post-cooling, heat recovery, chilled water, hot water, and steam coils. Available from 3,000 CFM to 18,000 CFM, and up to 140 tons of capacity, there's a model to fit your next application.



SILICA-GEL DESICCANT WHEEL



6-ROW INTERLACED EVAPORATORS



VARIABLE SPEED SCROLL COMPRESSORS



MICROCHANNEL REACTIVATION COILS

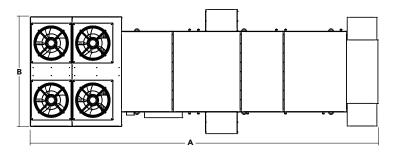


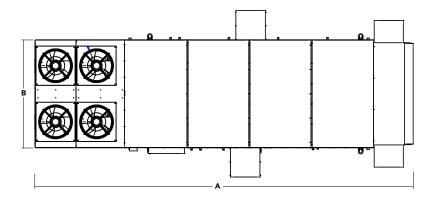
- Capacity from 20 140 Tons
- Airflow from 3,000 18,000 CFM
- 2" Double-Wall Foam Insulated Construction (R-13)
- Hinged, Double-Walled Access Doors
- 6-Row Intertwined Air Coils
- Silica-Gel Desiccant Wheel
- Scroll Compressors (Lead VFD)
- All-Digital Controls with BAS Integration
- Direct Drive Plenum Supply Blowers
- Staged or Modulating Electric or Gas Heat
- 2500 Hour Salt-Spray Rated Cabinet
- MicroChannel Reactivation Coils
- Up to 6" of Media Filtration
- Optional FrostShield[™] Defrost Free Heat Pump Operation
- Optional 10,000 Hour Corrosion Protection
- Optional Pre-Cooling Coil
- Optional Post-Cooling Coil
- Optional CO² Heat Reclaim Coil

PR SERIES CAPABILITIES & DIMENSIONS:

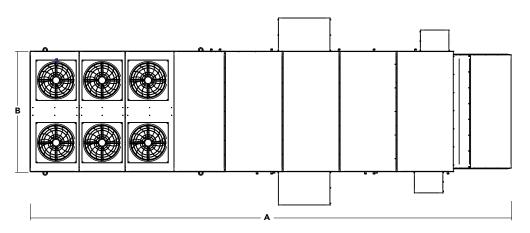
PR C SERIES CABINET

PR D SERIES CABINET





PR E SERIES CABINET



CABINET:	CONDENSER Fans:	TONNAGE Range:	MAXIMUM Airflow:	HEAT RANGE:	LENGTH: (A)	XL LENGTH: (A)*	WIDTH: (B)	HEIGHT: (C)
С	4	20 - 35	5,000	up to 800MBH/100kW	275.6	323.6	87.1	81.1
D	4, 6, or 6 Oversized	30 - 55	9,000	up to 1200MBH/150kW	304.5	372.5	87.1	91.5
E	6, 6 or 9 Oversized	50 - 140	18,000	up to 1600MBH/150kW	350.3	414.3	100.0	108.0

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

*Note: XL Cabinets Have Additional Heat Capability

LC[®] SERIES LINEAR CAPACITY[®] DEMAND CONTROLLED DOAS:

Unique and variable-time/use spaces can present difficult challenges in providing fresh air without using excess energy.

The LC Series delivers industry leading performance and versatility over its 10 - 45 Ton range. Utilizing our patented Active Coil Exposure® technology, the LC Series can modulate between 20%-100% of rated CFM without compromising moisture removal performance. The active coil array, matched with the latest in variable speed compressors, delivers industry-leading EER, MRE, & ISMRE. The LC Series shines in applications where demand controlled ventilation is desirable, and is a snap to setup and control. From Retail, Offices, Hospitality, and more, the new LC Series is perfect fit for your next project.



VRF SCROLL COMPRESSOR

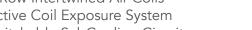


EC VARIABLE SPEED PLENUM FANS



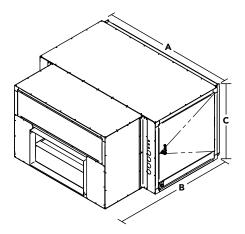
- Capacity from 10 45 Tons
- Nominal Airflow from 1,500 6,800 CFM
- 2" Double-Wall Foam Insulated Construction (R-13)
- Hinged, Double-Walled Access Doors
- 6-Row Intertwined Air Coils
- Active Coil Exposure System
- Switchable SubCooling Circuit •
- Brushless Permanent Magnet Variable Speed Scroll Compressors
- All-Digital Controls with BAS Integration
- **Direct Drive EC Plenum Supply Blowers**
- **Direct Drive Condenser Fans**
- Modulating Electric or Gas Heat •
- 2500 Hour Salt-Spray Rated Cabinet
- MicroChannel Condenser Coils •
- Up to 6" of Media Filtration
- Multiple Service Access Points
- Stainless Steel Condensate Drain Pans
- Optional 10,000 Hour Corrosion Protection





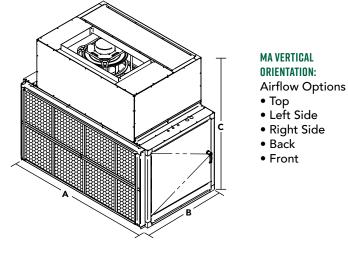
MC/MA SERIES CAPABILITIES & DIMENSIONS:

MA INDOOR AIR HANDLER



MA HORIZONTAL **ORIENTATION: Airflow Options** • Top • Bottom

- Rear
- Left Side • Right Side



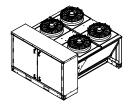
MC OUTDOOR CONDENSING SECTION

MC B2 CABINET



62.25"L X 86.375W X 80.75H

MC C4 CABINET



96.75"L X 86.375W X 80.75H

MC D6 CABINET

DEDICATED OUTDOOR AIR OPERATION -VERTICAL [HORIZONTAL]

MODEL:	CABINET:	LENGTH: (A)	WIDTH: (B)	HEIGHT: (C)
MA042 -	А	41.50	37.375	53.125
072		[41.50]	[56.875]	[33.625]
MA096 -	В	55.50	37.375	59.125
120		[55.50]	[67.875]	[33.625]
MA150 -	С	53.50	45.4375	67.1875
180		[53.50]	[70.875]	[41.625]
MA210 -	D	60.75	45.4375	67.1875
240		[60.75]	[70.875]	[41.625]
MA300 -	E	77.50	45.4375	67.1875
360		[77.50]	[70.875]	[41.6875]
MA420 -	F	96.00	54.4375	76.1875
960		[96.00]	[79.875]	[50.625]

RECIRCULATION COMFORT COOLING OPERATION -VERTICAL [HORIZONTAL]

MA VERTICAL

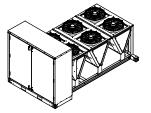
• Right Side

Back

• Front

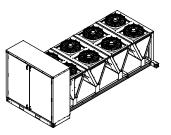
MODEL:	CABINET:	LENGTH: (A)	WIDTH: (B)	HEIGHT: (C)
MA042 -	В	55.50	37.375	59.125
072		[55.50]	[67.875]	[33.625]
MA096 -	С	53.50	45.4375	67.1875
150		[53.50]	[70.875]	[41.625]
MA180	D	60.75 [60.75]	45.4375 [70.875]	67.1875 [41.625]
MA210 -	E	77.50	45.4375	67.1875
240		[77.50]	[70.875]	[41.6875]
MA300 -	F	96.00	54.4375	76.1875
420		[96.00]	[79.875]	[50.625]

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



153.5"L X 86.375W X 80.75H

MC E8 CABINET



195.125"L X 86.375W X 80.75H

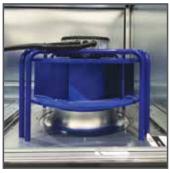


MI INDOOR VERTICAL SYSTEM:

As buildings become more diverse, more versatile ventilation solutions are required.

At Addison, our drive to provide the best solutions for customers has lead to the development of our all-new modular self-contained indoor dedicated outdoor air system.

The MI Series delivers exceptional performance and versatility over its standard 10 - 45 Ton range. Featuring a compact design, the MI can be installed into confined spaces. It's a perfect match for every application requiring split systems for ventilation or dehumidification. Additionally, It's versatile range of options from remote condenser air source, or water cooled operation make it the best option for any installation. From Retail, Offices, Hospitality, and more, the new MI Series is a perfect fit for your next project.



EC VARIABLE SPEED PLENUM FANS



AIR SOURCE OR WATER-SOURCE



HINGED, REMOVABLE ACCESS DOORS



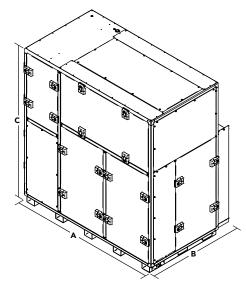
EASY SERVICE ACCESS



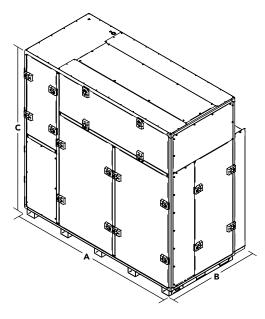
- Capacity from 10 45 Tons
- Dedicated Outdoor Air or Recirculating Dehumidification Operation
- Paired with MC Series Condenser Units
- Optional Water-Source Heat Pump Operation
- Airflow from 1,500 7,000 CFM (Outdoor Air)
- 2" Double-Wall Foam Insulated Construction (R-13)
- Hinged, Removable Double-Walled 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
- Aluminum and Galvanized Steel Cabinet
- Multiple Service Access Points
- Optional 10,000 Hour Corrosion Protection

MI SERIES CAPABILITIES & DIMENSIONS:





MI B CABINET



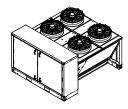
MC OUTDOOR CONDENSING SECTION

MC B2 CABINET (MODEL 120 - 180)



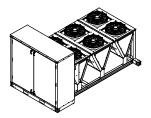
62.25"L X 86.375W X 80.75H

MC C4 CABINET (MODEL 210 - 420)



96.75"L X 86.375W X 80.75H

MC D6 CABINET (MODEL 480 - 540)



153.5"L X 86.375W X 80.75H

VERTICAL	UNIT	DIMENSIO	NS

CABINET:	WIDTH: (A)	DEPTH*: (B)	HEIGHT: (C)
А	82.50 [209.55]	53.125 [134.94]	86.00 [218.44]
В	99.50 [252.73]	53.125 [134.94]	96.25 [244.475]

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

Depth Note* : Includes filter rack (7.875").

AIRFLOW - 100% OUTDOOR AIR

MODEL:	CABINET:	AIRFLOW:
MIO*0120	А	1,600
MIO*0150	А	1,900
MIO*0180	А	2,400
MIO*0210	А	2,600
MIO*0240	А	3,600
MIO*0300	А	4,000
MIO*0360	А	4,500
MIO*0420	А	5,400
MIO*0480	В	5,600
MIO*0540	В	6,800

AIRFLOW - RECIRCULATING

MODEL:	CABINET:	AIRFLOW:
MIR*0120	А	4,000
MIR*0150	А	4,800
MIR*0180	А	6,000
MIR*0210	А	7,200
MIR*0240	А	8,000
MIR*0300	А	10,000
MIR*0360	В	12,000
MIR*0420	В	14,000
MIR*0480	В	15,000
MIR*0540	В	15,800

 $\ensuremath{\textit{Note*}}$: Air Cooled (A) or Water Cooled (W)

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