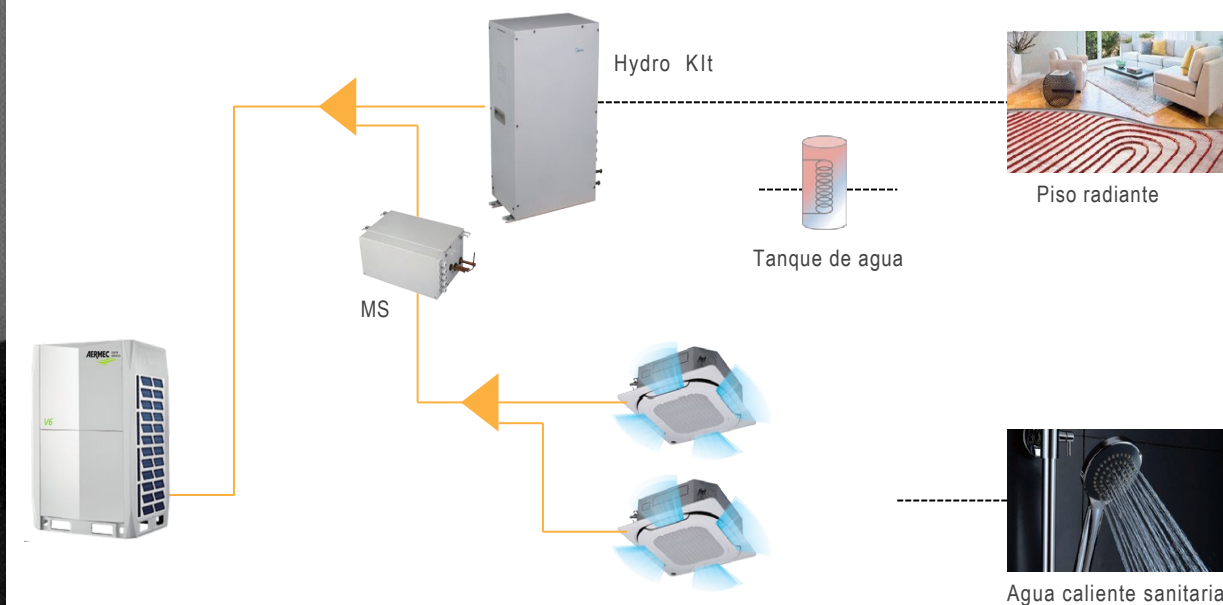
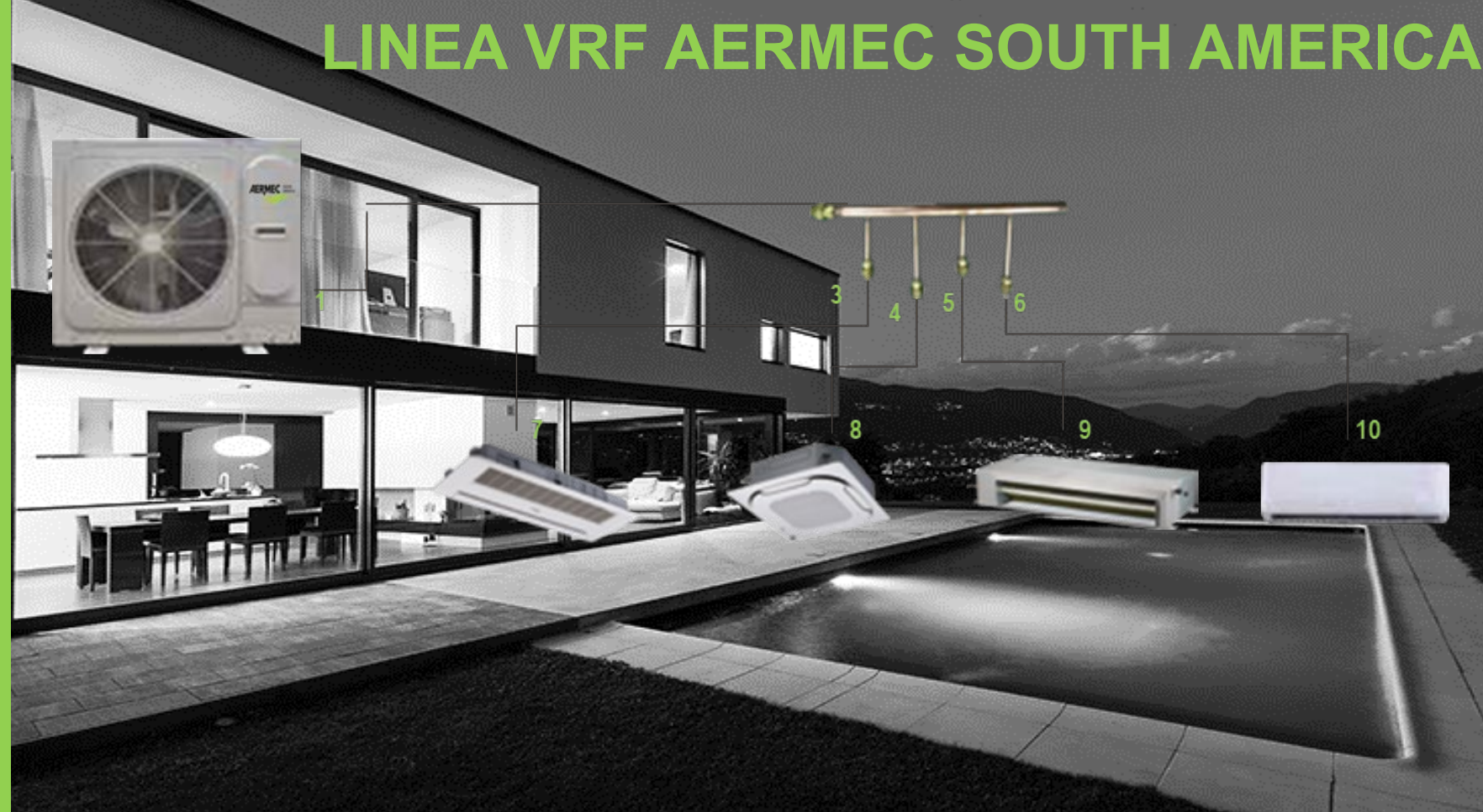
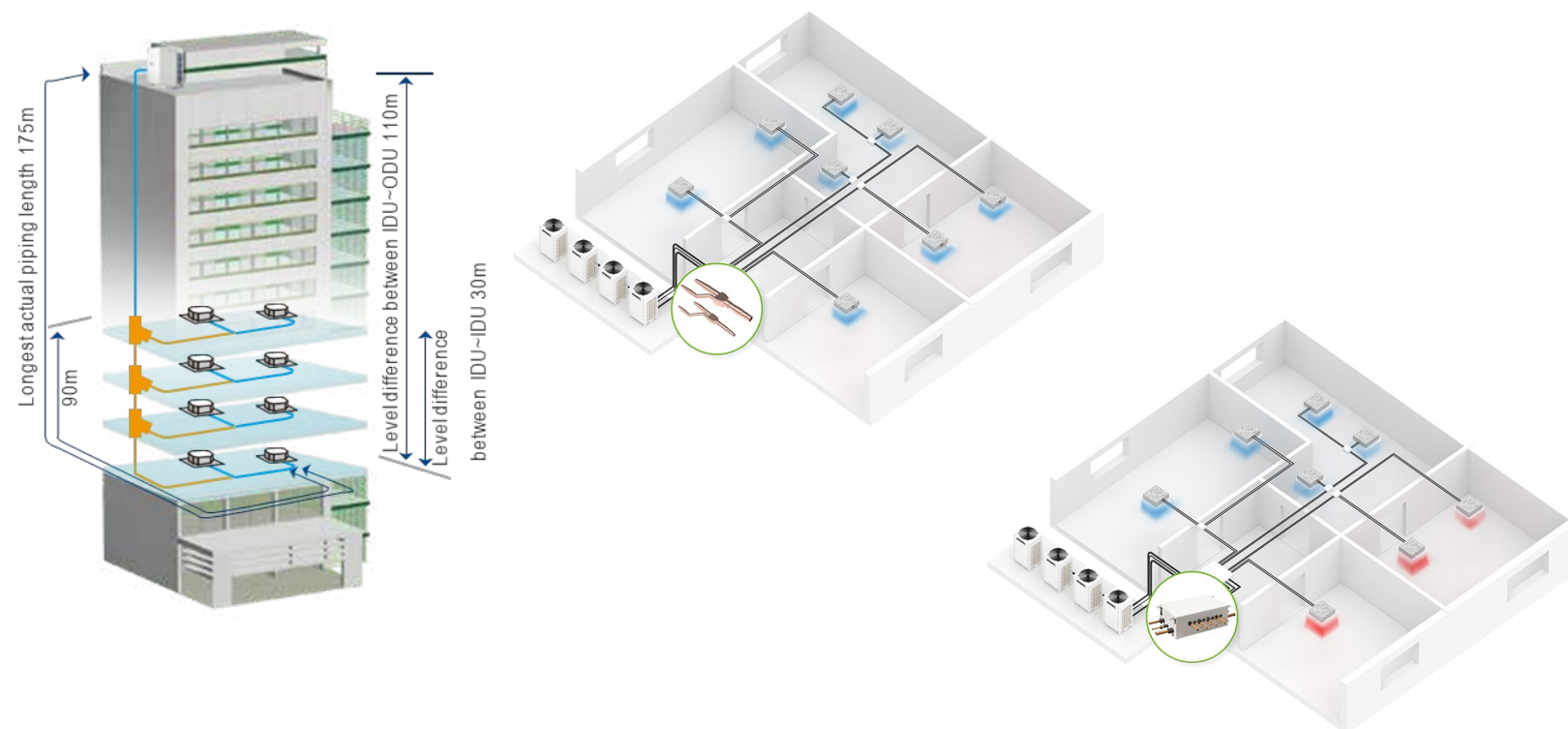


LINEA VRF AERMEC SOUTH AMERICA



AERMEC SOUTH AMERICA



LINEA VRF AERMEC SOUTH AMERICA

Unidades Externas



Residential monofasico



Residential Trifasico



modular V5X Heat Pump



modular V6R Recuperacion



Modular VC Coonly Only

Linea de 50Hz

VRF Series	Power Supply	Capacity (KW)	Aermec Model
V5 380V Cooling and Heating	380-415V ~ 3N ~ 50/60Hz	25,2	AV5-X252W/V2GN1
		28	AV5-X280W/V2GN1
		33,5	AV5-X335W/V2GN1
		40	AV5-X400W/V2GN1
		45	AV5-X450W/V2GN1
		50	AV5-X500W/V2GN1
		56	AV5-X560W/V2GN1
		61,5	AV5-X615W/V2GN1
Mini VRF HP	380-415V ~ 3N ~ 50Hz	12	ADV-V120W/DRN1
		14	ADV-V140W/DRN1
		16	ADV-V160W/DRN1
		18	ADV-V180W/DRN1
VR6 Heat Recovery Series	380-415V 3N~50/60Hz	25	AV6-R252WV2GN1
		28	AV6-R280WV2GN1
		33	AV6-R335WV2GN1
		40	AV6-R400WV2GN1
		35	AV6-R450WV2GN1
		50	AV6-R500WV2GN1
		56	AV6-R560WV2GN1
Residencial VRF HP	220-240V ~ 50/60Hz	8	ADV-V28WDHN1(AtB)
		10	ADV-V36WDHN1(AtB)
		12	ADV-V42WDHN1(AtB)
		14	ADV-V48WDHN1(AtB)
		16	ADV-V56WDHN1(AtB)
		18	ADV-V60WDHN1(AtB)



Linea de 60Hz

VRF Series	Power Supply	Capacity (KW)	Aermec Model
V5X 220V Cooling and Heating	220V ~ 3Ph ~ 60Hz	25,2	AV5-X252W/V2DN1
		28	AV5-X280W/V2DN1
		33,5	AV5-X335W/V2DN1
		40	AV5-X400W/V2DN1
		45	AV5-X450W/V2DN1
		50	AV5-X500W/V2DN1
		56	AV5-X560W/V2DN1
		61,5	AV5-X615W/V2DN1
V5X 460V Cooling and Heating	460V ~ 3Ph ~ 60Hz	25,2	AV5-X252W/V2ZN1
		28	AV5-X280W/V2ZN1
		33,5	AV5-X335W/V2ZN1
		40	AV5-X400W/V2ZN1
		45	AV5-X450W/V2ZN1
		50	AV5-X500W/V2ZN1
		56	AV5-X560W/V2ZN1
		61,5	AV5-X615W/V2ZN1
VC Pro 220V Cooling Only	220V ~ 3Ph ~ 60Hz	22,4	AVC-224WV2WN1
		28	AVC-280WV2WN1
		33,5	AVC-335WV2WN1
		40	AVC-400WV2WN1
		45	AVC-450WV2WN1
		50	AVC-500WV2WN1
		56	AVC-560WV2WN1
		61,5	AVC-615WV2WN1
		67	AVC-670WV2WN1
		73	AVC-730WV2WN1
		78,5	AVC-785WV2WN1
V4+ Cooling and Heating	220V ~ 3Ph ~ 60Hz	25	ADV-V252W/DDN1
		28	ADV-V280W/DDN1
Residencial B HP VRF	220-240V ~ 50/60Hz	8	ADV-V28WDHN1(AtB)
		10	ADV-V36WDHN1(AtB)
		12	ADV-V42WDHN1(AtB)
		14	ADV-V48WDHN1(AtB)
		16	ADV-V56WDHN1(AtB)
		18	ADV-V60WDHN1(AtB)

AERMEC SOUTH AMERICA



ASSP-Diseño de arrastrar/soltar

El diseño MSSP-Drag/Drop permite una selección fácil y rápida y proporciona informes y cálculos completos del diseño del sistema.

Nota: ASSP (Plataforma de software de selección de AERMEC)



ASSP-CAD Design

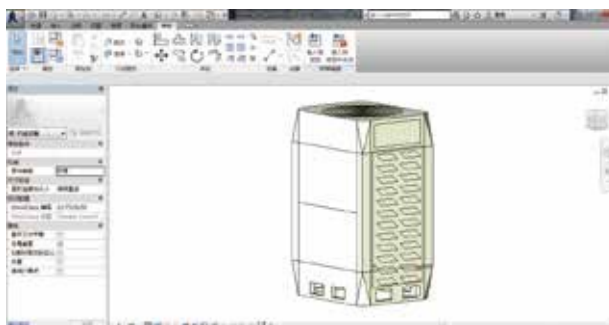
ASSP-CAD El diseño permite una selección visual y rápida y proporciona informes y cálculos completos del diseño del sistema.

Nota: ASSP (Plataforma de software de selección de AERMEC)



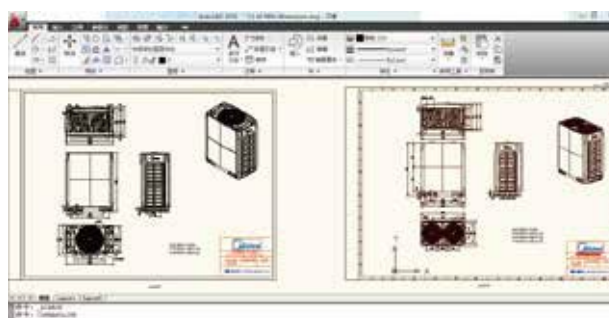
Revit Family

Aermec Revit está desarrollado para hacer que el diseño 3D de los productos Aermec sea más fácil que el programa anterior. Permite a los ingenieros verificar imágenes 3D desde la etapa de diseño y evita posibles problemas en la etapa de instalación.



CAD Drawing

CAD permite un diseño más rápido y preciso de los productos Aermec.

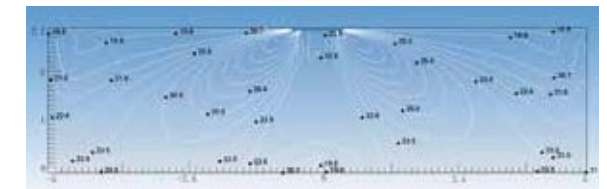
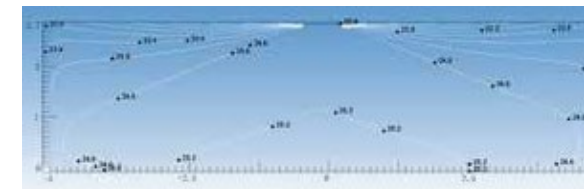
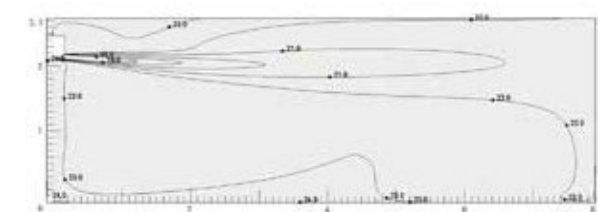
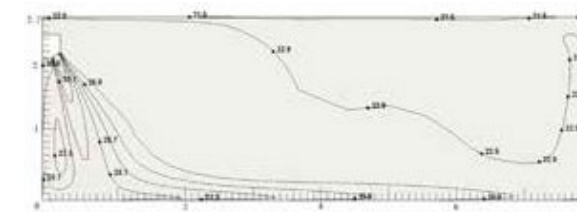


Simulación

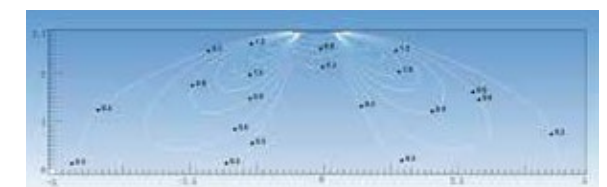
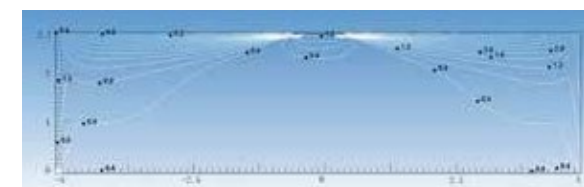
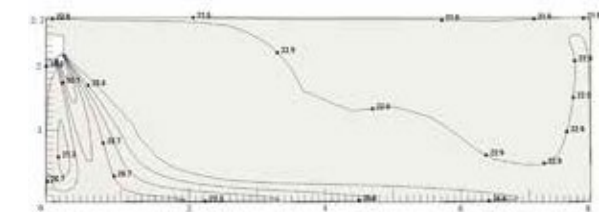
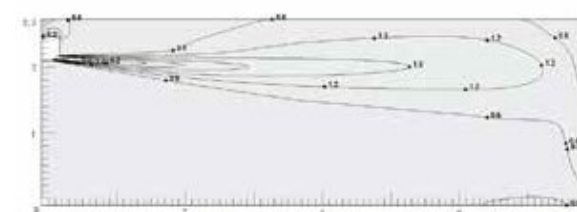
CFD (dinámica de fluidos computacional)

El análisis CFD se aplica en áreas de estimación: flujo de aire interior y distribución de temperatura. Al ejecutar una simulación antes de la construcción, los ingenieros estiman posibles problemas y encuentran soluciones óptimas para el mal funcionamiento que podría ocurrir después de la construcción.

Distribución de temperatura



Distribución del flujo de aire



CAJA DE DIAGNÓSTICO MULTIFUNCIONAL

ALMACENAR HASTA 30 CONJUNTOS DE
DATOS DE ERROR SIMPLIFICANDO EL
MANTENIMIENTO



TABLERO DE DIAGNÓSTICO

MONITOREO EN TIEMPO REAL Y
LOCALIZACIÓN RÁPIDA DE ERRORES



DETECTOR DE REFRIGERANTE

MONITOREO DE LA CANTIDAD
DE REFRIGERANTE EN TIEMPO
REAL PARA ALARMA Y
GARANTIZAR UN RENDIMIENTO
CONSISTENTE



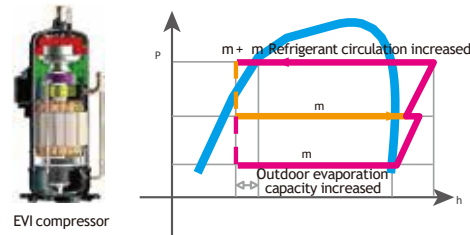
AERMEC

SOUTH
AMERICA

ALTA EFICIENCIA

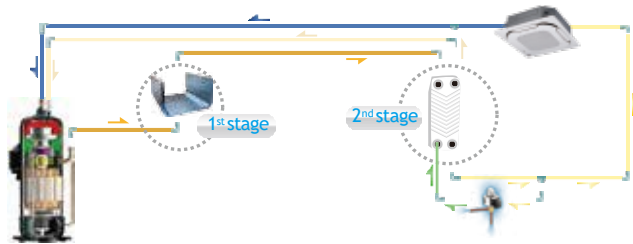
Compresor de inyección de vapor mejorada (EVI) de alta eficiencia

El compresor inversor de CC de inyección de vapor mejorado aumenta la circulación del refrigerante y mejora la capacidad de refrigeración y calefacción.



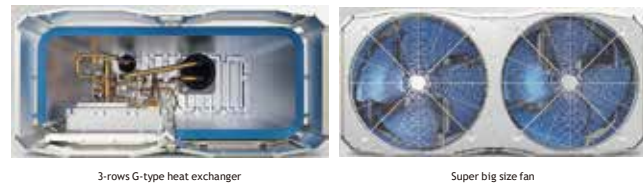
Intercambiador de calor de placas (PHE)

SubenfriamientoEl intercambiador de calor de placas como intercooler secundario aumenta el subenfriamiento del refrigerante y mejora un 10 % la eficiencia energética.



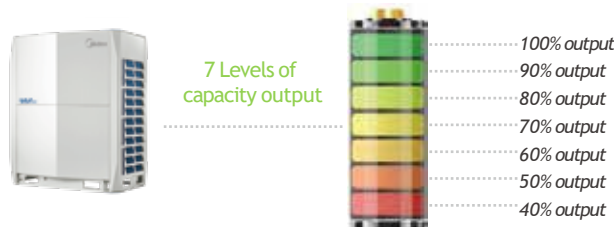
Intercambiador de calor tipo G de alta eficiencia

Las unidades de gran capacidad utilizan un intercambiador de calor tipo G de alta eficiencia cuya área del intercambiador de calor es 1,5 veces mayor que la del intercambiador de calor tipo U.



7 niveles de gestión de la energía

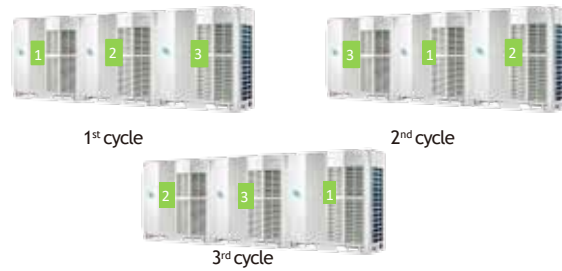
Para proyectos con restricciones temporales de suministro de electricidad, la unidad exterior admite 7 niveles de administración de energía que se pueden configurar para generar una capacidad del 40 al 100%. Evita disparos durante condiciones de restricción de suministro eléctrico y mantiene el sistema funcionando.



ALTA CONFIABILIDAD

Ciclo de trabajo

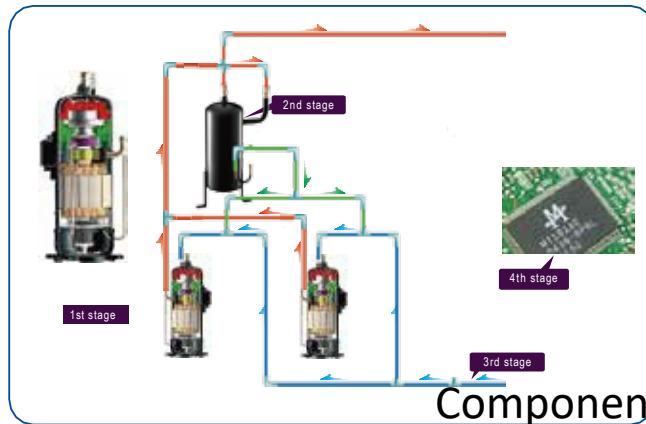
El ciclo de trabajo iguala el tiempo de funcionamiento de las unidades exteriores en un sistema de unidades múltiples y de los compresores en cada unidad, lo que prolonga significativamente la vida útil del compresor.



Tecnología de control de aceite preciso

Cuatro etapas de tecnología de control de aceite aseguran que todo el aceite del compresor exterior se mantenga siempre en un nivel seguro, eliminando cualquier problema de escasez de aceite del compresor.

- Separación de aceite interna del compresor. El separador de aceite centrífugo de alta eficiencia (con una eficiencia de separación de hasta el 99 %) garantiza que el aceite se separe del gas de descarga y se devuelva a los compresores en el momento oportuno
- Los tubos de equilibrio de aceite entre los compresores aseguran una distribución uniforme del aceite para que los compresores funcionen con normalidad
- El programa de retorno de aceite automático supervisa el tiempo de funcionamiento y el estado del sistema para garantizar un retorno de aceite fiable.



PCB de enfriamiento de refrigerante

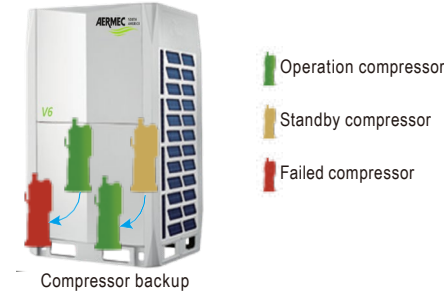
La unidad utiliza tecnología de refrigeración por refrigerante para enfriar la caja de control eléctrico. Disminuye la temperatura promedio de los componentes de control eléctrico en aproximadamente 8 grados, lo que garantiza el funcionamiento estable y seguro del sistema de control.



Operación de respaldo doble

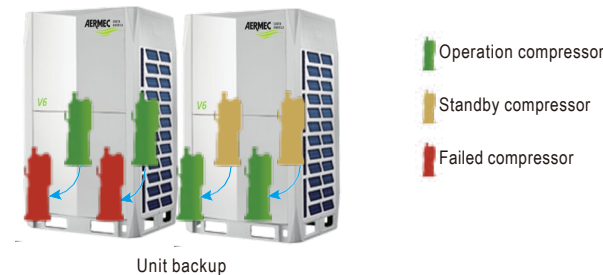
Copia de seguridad del compresor

En unidades con dos compresores, si un compresor falla, el otro compresor puede funcionar por sí solo hasta por 4 días, lo que da tiempo para el mantenimiento o la reparación mientras se mantiene la comodidad.



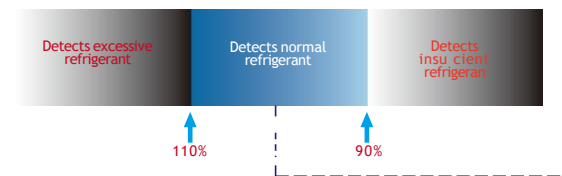
Copia de seguridad de la unidad

En un sistema de unidades múltiples, si un módulo falla, los otros módulos brindan respaldo para que el sistema pueda continuar funcionando.



Monitoreo de cantidad de refrigerante en tiempo real

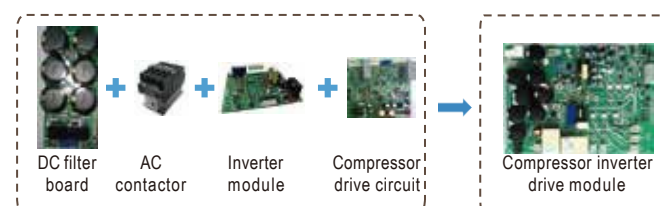
la temperatura y la presión del refrigerante pueden ser monitoreado en tiempo real por la unidad exterior. Cuando el nivel de refrigerante es demasiado bajo o demasiado alto, esto puede causar daños a la unidad y un rendimiento deficiente. La unidad puede detectar cantidades excesivas o insuficientes de refrigerante



Componentes eléctricos Diseño altamente integrado

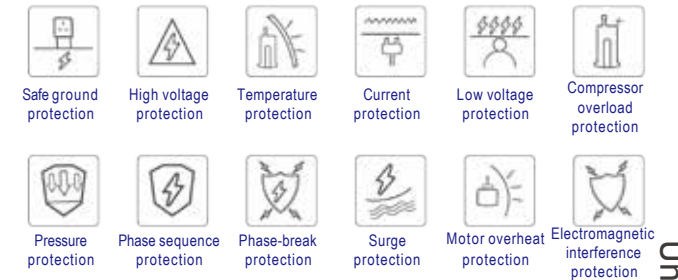
Componentes eléctricos Diseño altamente integrado

Múltiples componentes eléctricos están integrados en una sola placa, el diseño integrado puede reducir las conexiones de cableado en gran medida, lo que hace que el cableado eléctrico sea más simple y confiable.



Función de protección múltiple

Función de protección múltiple, como protección de tierra segura, protección de voltaje, protección de temperatura, protección de corriente, protección de presión, protección contra sobrecarga del compresor, protección contra sobrecalentamiento del motor, protección contra interferencias electromagnéticas, etc., lo que garantiza que el sistema sea consistentemente seguro y confiable operación.



Pruebas extremas

Se realizan en las unidades pruebas en condiciones extremas, como prueba de vida altamente acelerada (HALT), prueba de sobretensiones y descarga electrostática (ESD), cuyas condiciones de prueba son mucho más extremas que las normas de prueba de la UE para garantizar aún más la confiabilidad de componentes electrónicos.



Función automática de soplado de nieve

La función de soplado de nieve automático de diseño innovador permite que la unidad exterior evite la acumulación de nieve por sí misma.



Función de limpieza de polvo

La función de limpieza de polvo de diseño innovador permite que la unidad exterior evite el polvo por sí misma.



Protección anticorrosión

Las unidades exteriores reciben un tratamiento anticorrosión para condiciones no extremas como estándar y también se pueden personalizar con un tratamiento anticorrosión pesado en los componentes principales para proteger la superficie contra el aire corrosivo, la lluvia ácida y el aire salino (para instalaciones en regiones costeras) para extender vida útil total. La integridad del tratamiento anticorrosión se asegura sometiendo los principales componentes y piezas a pruebas de niebla salina, pruebas de humedad y calentamiento y pruebas de envejecimiento ligero.



Tornillos / pernos / juntas Productos estándar: 300h de niebla salina neutra
Productos anticorrosivos pesados: 720h de niebla salina neutra



02 Motor del ventilador Productos estándar: 96h de niebla salina neutra para UDI 168h de niebla salina neutra para ODU
Productos anticorrosivos pesados: 1000h de niebla salina neutra para ODU



03 Caja de control eléctrico Productos estándar: 96h de niebla salina neutra
Productos anticorrosivos pesados: 500h de niebla salina neutra

La unidad exterior puede resistir 27 años de corrosión severa simulada en un entorno de tráfico contaminado con sal

Certificado anticorrosión UL

Ha sido certificado por UL que nuestra unidad exterior VRF puede soportar 27 años de corrosión severa simulada en un entorno de tráfico contaminado con sal.



04 Heat exchanger aluminum foil

Standard products:
200h of neutral salt mist
Heavy anti-corrosion products:
1000h of neutral salt mist
140h of acid salt mis

Heat exchanger copper pipe

Standard products:
24h of neutral salt mist
Heavy anti-corrosion products:
48h of neutral salt mist for IDU
150h of neutral salt mist for ODU



05 Chapa pintada

Productos estándar: 500h de niebla salina neutra
1000h de prueba de humedad y calentamiento
500h de prueba de envejecimiento a la luz

Productos anticorrosivos pesados:
800h de niebla salina neutra
2000h de prueba de humedad y calentamiento
800h de prueba de envejecimiento a la luz

AMPLIA GAMA DE CAPACIDAD

Amplio rango de capacidad AERMEC VRF tiene una amplia capacidad que va desde 2.5HP a 96HP, satisfaciendo todos los requisitos de los clientes, desde edificios pequeños hasta grandes.

Amplia cartera de productos

AERMEC VRF ofrece una amplia cartera de productos que incluye bomba de calor VRF enfriada por aire, VRF de recuperación de calor enfriada por aire, VRF solo enfriada por aire y VRF enfriada por agua para satisfacer las necesidades de varios escenarios de aplicación en el mercado.



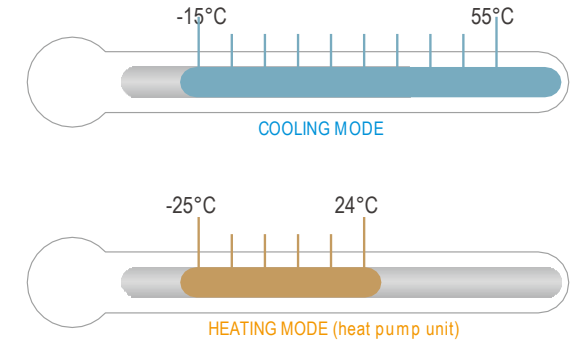
Amplia gama de unidades interiores

AERMEC ofrece 12 tipos y más de 100 modelos de unidades interiores VRF para cumplir con los diversos requisitos de los clientes en una amplia gama de ubicaciones, incluidas oficinas, centros comerciales, hospitales y aeropuerto.



Amplio rango de operación

El sistema VRF funciona de manera estable en condiciones extremas, que van desde -25 °C hasta 55 °C.



Nota: el rango de temperatura de funcionamiento de diferentes series puede ser un poco diferente. Consulte las especificaciones de cada serie.

COMODIDAD MEJORADA

Tecnología silenciosa avanzada 4 modos silenciosos nocturnos, 3 modos silenciosos y 4 selecciones de modos súper silenciosos, brindan más libertad y conveniencia para satisfacer las necesidades del cliente.

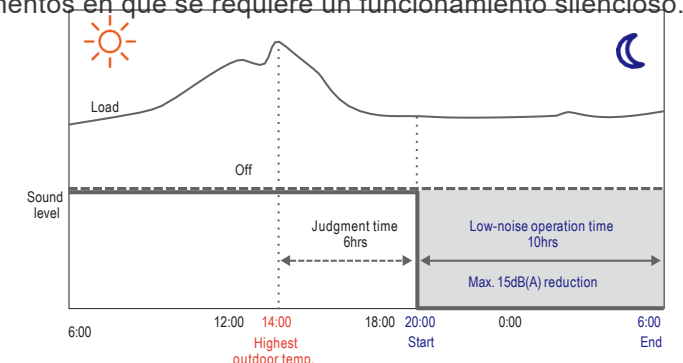


En el modo silencioso nocturno y el modo silencioso, solo se limita la velocidad máxima del ventilador para cumplir con el requisito silencioso normal.



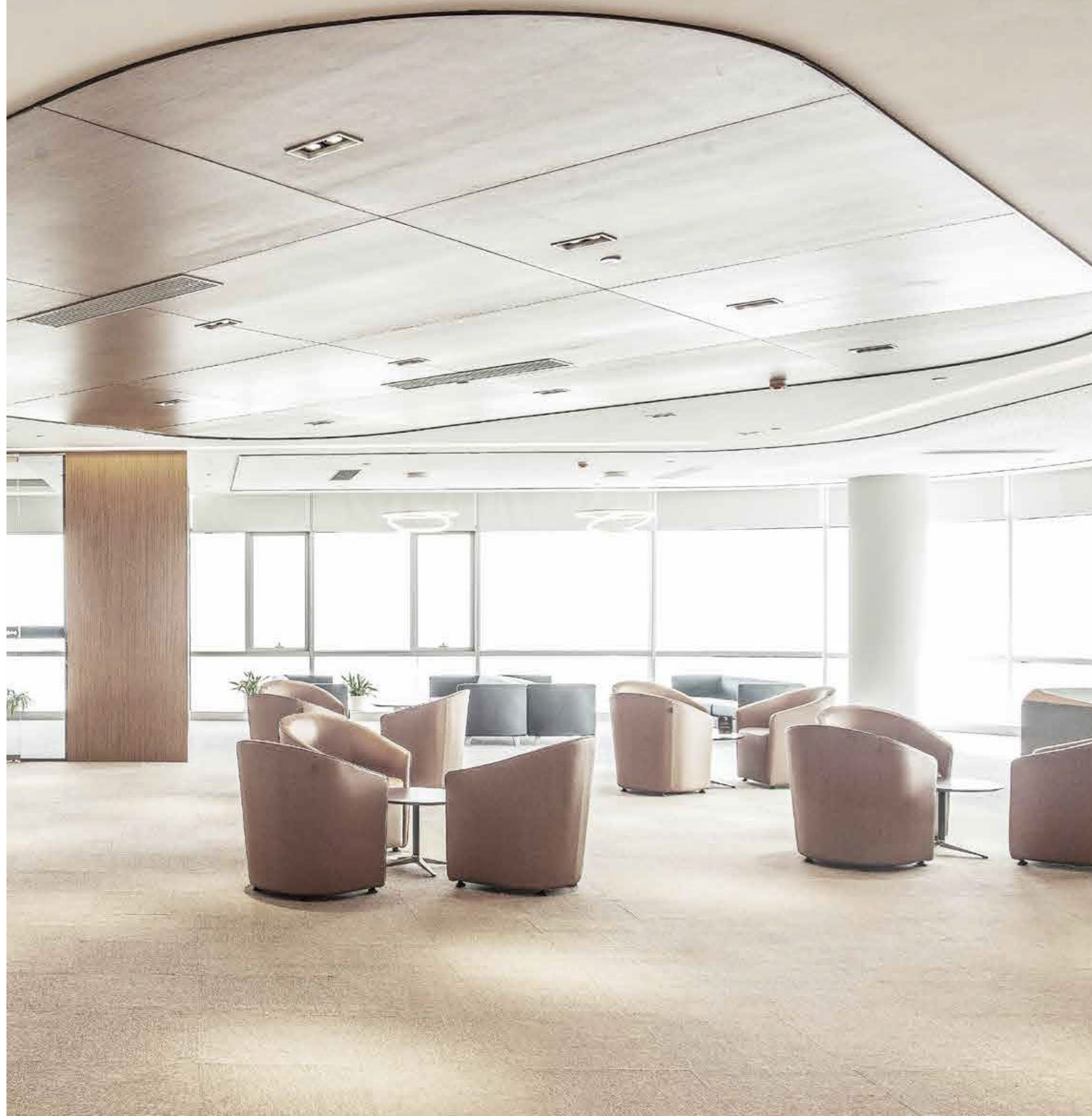
En el modo súper silencioso, tanto la velocidad máxima del ventilador como la frecuencia del compresor están limitadas para cumplir con los requisitos más silenciosos.

La función de modo silencioso nocturno, que se configura fácilmente en la placa de circuito impreso de la unidad exterior, incluye varias opciones de programación que se pueden usar para reducir los niveles de ruido en los momentos en que se requiere un funcionamiento silencioso.



Unidades interiores

One-way Cassette
Two-way Cassette
Compact Four-way Cassette
Four-way Cassette
Medium Static Pressure Duct
High Static Pressure Duct
Wall Mounted
Ceiling & Floor
Floor Standing
Fresh Air Processing Unit
DX Modular Air Handling Unit
Heat Recovery Ventilator
Puro-Air Kit



Linea de unidades interiores

kW		1.5	1.8	2.2	2.8	3.6	4.5	5.6	7.1		8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0
Btu/h		5k	6k	7k	9k	12k	15k	19k	24k		27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k
One-way Cassette			●	●	●	●	●	●	●														
Two-way Cassette				●	●	●	●	●	●														
Four-way Cassette					●	●	●	●	●		●	●	●	●		●	●						
Compact Four-way Cassette				●	●	●	●																
Medium Static Pressure Duct				●	●	●	●	●	●		●	●		●		●	●						
High Static Pressure Duct									●		●	●		●		●	●	●	●	●	●	●	●
Wall Mounted				●	●	●	●	●	●		●	●											
Ceiling & Floor						●	●	●	●		●	●		●		●	●						
Floor Standing - Concealed				●	●	●	●	●	●		●												
Floor Standing - Exposed				●	●	●	●	●	●		●												
Fresh Air Processing Unit															●	●		●	●	●		●	●

La unidad de procesamiento de aire fresco no está disponible para las series V4+W y Mini VRF.
No se suministra ningún controlador dentro del paquete de la unidad interior.
Los controladores deben comprarse por separado.

Unidad de tratamiento de aire modular DX

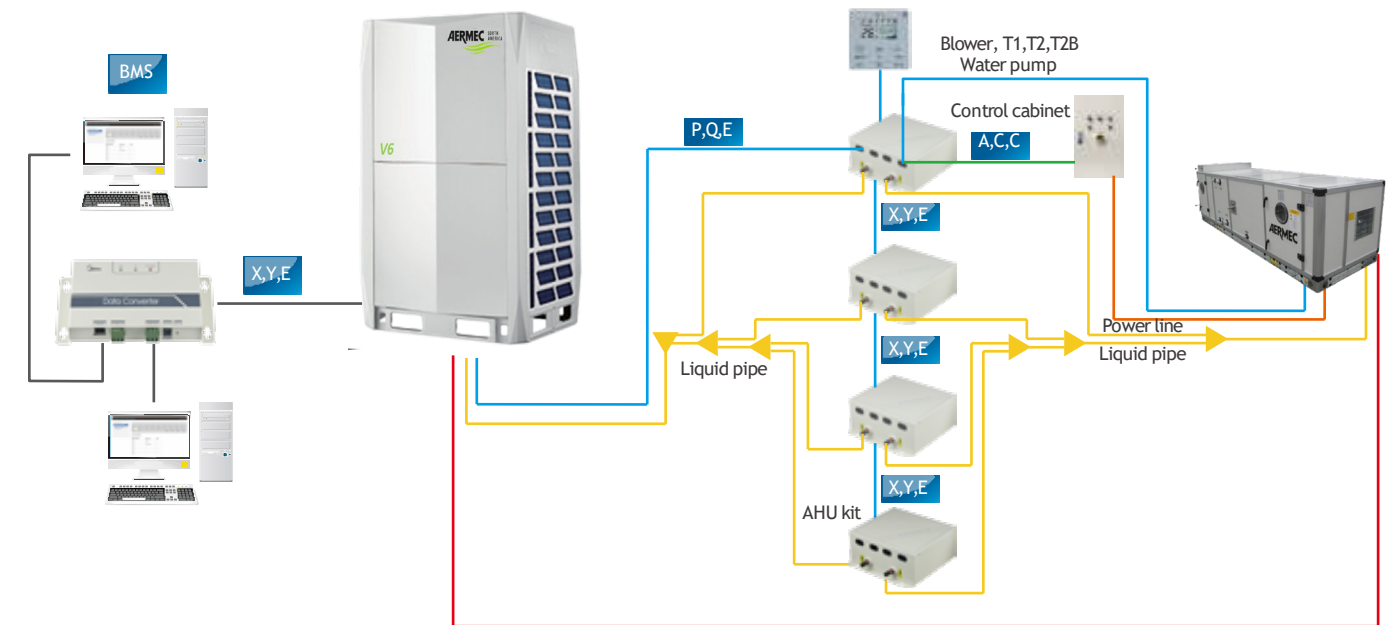
Airwov (m³/h)		1400	2400	2450	3000	4000	5000	6000	7000		7500	8000	10000	12000	14000	15000	18500	23500	28000	34500
Used for Return Air		●	●				●	●			●		●	●		●	●	●	●	●
Used for Fresh Air				●	●	●	●		●			●	●		●					

Notas:
La unidad de tratamiento de aire modular DX debe usarse junto con la caja de control AERMEC DX AHU.

AERMEC DX Modular Air Handling Unit



Sistema de control



Controlador con cable KJR-29B:

El controlador con cable cuenta con múltiples modos, encendido/apagado temporizado y ajuste de temperatura. La alarma y el control en tiempo real garantizan un funcionamiento fiable de la unidad.



Tablero de general:

Interruptor manual/automático, control remoto y control de velocidad del motor (motor DC); Protección de relé térmico, parada de emergencia e indicador de estado.

Enlace de alarma contra incendios y control de incendios.



SOLUCIONES DE CONTROL

Remote Controllers
Wired Controllers
Central Controllers
Data Converter
Network Control System
BMS Gateways
Accessories



CONTROLES PARA LAS LINEAS V6/V6i/V6R/V4+I(10-12HP)/ Mini C

Wireless Remote Controllers	Wired Remote Controllers	Central Controllers Data converter		Network Control System	BMS Gateways	Accessories
 RM05B(A)RM12F	 WDC-86E/KDWDC-120G/WK(A)	 CCM-180A/BWS(A)		 IMMP-BAC(A)	 IMMP-BAC(A)	Hotel Key Card Interface Module  MA-HKCWMA-HKCS
	 WDC-120G/WK(HTHM)	 CCM-270B/WS(A)		 IMMP-S(A)	 GW-LON(A)	Infrared Sensor Controller  MA-IS
		 CCM-15		 CCM-270B/WS(A)	 GW-MOD(A)	Diagnosis software  MCAC-DIAG-B(A)
				 IMMP-S(A)	 GW-KNX, GW-KNX(A)*	XYE Extension Kit  MA-EK IDU Online Kit MCAC-PIDU

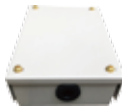
Note:
1. GW-KNX(A) is only used for High Temperature Hydro Module in V6R systems.
2. The diagnosis software is only compatible with V6/V6i outdoor unit.

CONTROLES PARA LAS LINEAS VC Pro

Wireless Remote	Wired Controllers	Central Controllers Data converter		Network Control System	BMS Gateways	Accessories
 RM12D(C)	 WDC-86E/KD	 CCM-180A/BWS(A)		 IMMP-BAC(A)	 IMWP-BAC(A)	Hotel Key Card Interface Module  MA-HKCW MA-HKCS
	 WDC-120G/WK(A)	 CCM-270B/WS(A)		 IMMP-S(A)	 GW-LON(A)	Infrared Sensor Controller  MA-IS
		 CCM30			 GW-MOD(A)	Indoor Unit Online Kit  MCAC-PIDU XYE Extension Kit
		 CCM-15			 GW-KNX	 MA-EK

CONTROLES PARA LAS LINEAS V4+I(except 10/12HP)

V4+W/ Mini VRF- Standard Series

Wireless Remote Controllers	Wired Remote Controllers	Central Controllers		Network Control System Data Converter	BMS Gateways	Accessories
 RM05B(A)	 WDC-86E/KD	 CCM-180A/BWS(A)		M-interface Gateway  + 	 IMMP-BAC(A)	Hotel Key Card Interface Module  MA-HKCWMA-HKCS
 RM12F	 WDC-120G/WK(A)	 CCM-270B/WS(A)			 GW-LON(A)	Infrared Sensor Controller  MA-IS
		 MD-CCM09		 CCM-15	Modbus Gateway  CCM-18A/NCCM-18A/N-U	Network Electricity Distribution Module (Special for Mini VRF)  MD-NIM10
		 CCM30			 GW-KNX	XYE Extension KitIndoor Unit Online Kit  MA-EKMCAC-PIDU



Remote Controllers

Features

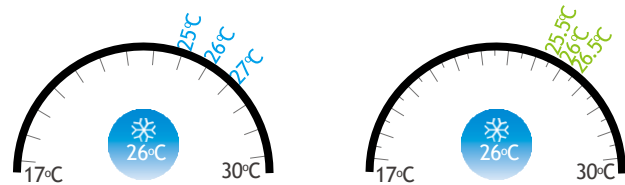
Model	 RM05B(A)	 RM12F
On / Off	•	•
Mode selection	•	•
Temperature setting	• (0.5°C or 1°C steps)	• (0.5°C or 1°C steps)
7-speed fan control	•	•
Auto swing	•	•
5-step swing louver	•	•
Address setting	•	•
Follow me	×	•
Eco mode	•	•
Silent mode	•	•
Display shut-off	•	•
Daily timer	•	•
Keyboard lock	•	•
Background light	•	•
Indoor Unit parameter setting	•	•
Dimensions (H×W×D) (mm)	150×65×20	170×48×20
Batteries	1.5V (LR03/AAA) × 2	
Indoor unit series	2 nd generation AC/DC IDU	

Note:

• :equipped as standard; × :without this function

0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



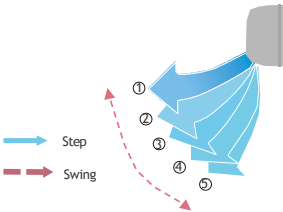
Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



5 Swing Angles for Louver

Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



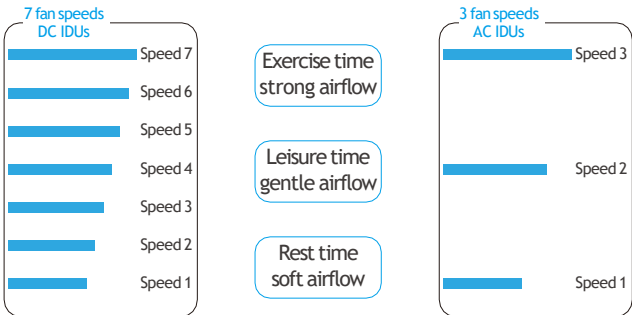
Follow Me

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in to the wireless remote controller, rather than the temperature sensor in the indoor unit itself, enabling more precise control of the temperature in the user's immediate environment.



Multiple Fan Speed Control

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Wired Controllers



Features

Model	 WDC-86E/KD	 WDC-120G/WK (A)
On / Off	•	•
Mode selection	•	•
Temperature setting	• (0.5° C or 1° C steps)	• (0.5° C or 1° C steps)
Dual temperature set points	•	•
7-speed fan control	•	•
Auto swing	•	•
5-step swing louver	•	•
Address setting	•	•
Follow me	•	•
Eco mode	•	•
Room temperature display	•	•
°F / °C display	•	•
Keyboard lock	×	•
Background light	•	•
Daily timer	•	•
Weekly schedule timer	×	•
Auto restart	•	•
2 permission levels	×	•
Bi-directional communication	•	•
Group control	×	•
Main or secondary controller setting	•	•
Display shut-off	•	•
Silent mode	•	•
Remote signal receiver	•	•
Clean filter reminder	•	•
Extension function	×	•
Daylight saving time	×	•
Clock display	×	•
Dot matrix display	×	•
Error check function	•	•
System parameter querying	•	•
After Hours/Off Timer function	•	•
Language	English	English, French, Spanish, Polish
HRV control	×	•
Puro-Air Kit control	×	•
System setting control	•	•
Dimensions (WxHxD) (mm)	86x86x18	120x120x20
Power supply	18V DC	18V DC
Indoor unit series	2 nd generation AC/DC IDU	

Note:
 • :equipped as standard; ×: without this function
 when the 2nd generation AC indoor units connect to group controller WDC-120G/WK(A), the indoor units need to customize D1 D2 terminals.

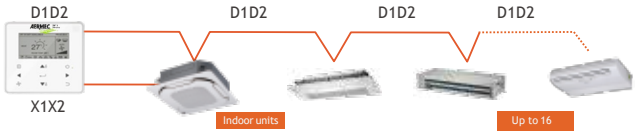
Features

Model	 WDC-120G/WK(HTHM)
On / Off	•
Mode selection	•
Water Outlet Temperature Control	•
Silent Mode	•
Screen lock	•
Room Temperature Control	•
Multiple Set Points	•
Address setting	•
Disinfection Mode	•
Holiday Home Mode	•
Holiday Away Mode	•
°F / °C display	•
Keyboard lock	•
Background light	•
Daily timer	•
Weekly schedule timer	•
Auto restart	•
Child Lock	•
Bi-directional communication	•
Service Call	•
DHW Temperature Control	•
Parameter Checking	•
Silent mode	•
Remote signal receiver	•
Maximum Power Limitation	•
Operating Parameters Checking	•
Heating Temperature Control	•
Clock display	•
Dot matrix display	•
Error check function	•
Language	English, French, Spanish, Polish
Dimensions (WxHxD) (mm)	120x120x20
Power supply	18V DC
Indoor unit series	High Temperature Hydro Module

Note:
• :equipped as standard

Group Control

One controller can be used to unify the settings across up to 16 indoor units.



Note: when the 2nd generation AC indoor units connect to group controller WDC-120G/WK, the indoor units need to customize D1 D2 terminals. Group control is not available for 2nd generation AC Wall Mounted Series.

Main or Secondary Controller Setting

Two controllers can be used together with single indoor unit. Operating mode and settings would be set according to the most recent instruction received. The controller display screens are synchronized so that both displays update when a setting is adjusted.



2 Permission Levels

2 permission levels ensure users can easily access control functions and allow administrators convenient access to operating parameters.



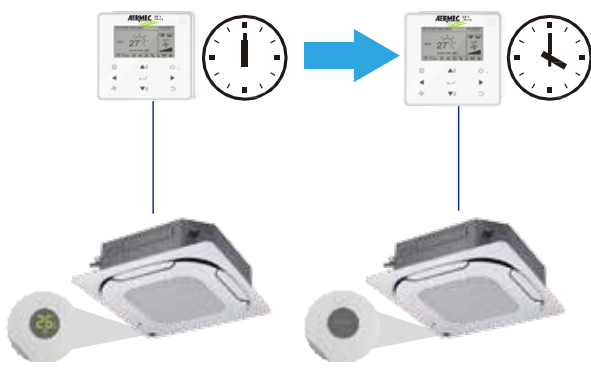
Buzzer Sound On/Off

The buzzer sound of the indoor unit can be turned off to create a quieter environment.



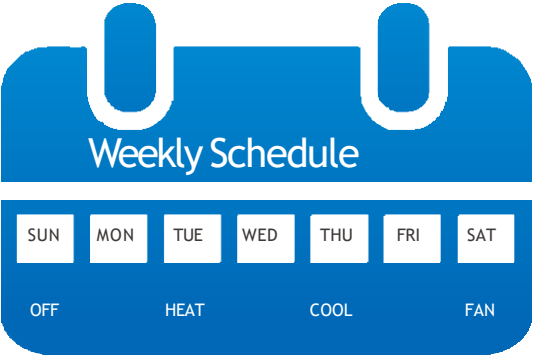
Off Timer Function

We can use the wired controller to set an automatic off timer or after hours function for the indoor unit.



Weekly Schedule Timer

The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.



Bi-directional Communication

The wired controller can query the system operating parameters thanks to the new bi-directional communication functionality. In addition, settings including static pressure, cold draft prevention and temperature compensation can be configured on the wired controller.



Note: This function is only available for V6/V6i/VC pro/V6R/V4-I(10-12HP) outdoor unit connected to 2nd generation DC indoor unit.

Central
Controllers



Features

Function		
	CCM-180A/BWS	CCM-270B/WS
Max. number of indoor units	64	384
Max. number of refrigerant systems	8	48
Touch screen	● (6.2-inch)	● (10.1-inch)
On/Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C steps)*	
7-speed fan control	● *	
Auto swing	●	●
5-step swing louver*	●	●
Room temperature display	●	●
Holiday setting	●	●
°C/°F display	●	●
Schedule management	●	●
Clock display	●	●
2 permission levels	●	●
Extension function	●	×
Indoor unit type/model recognition	● *	
Indoor unit with capacity larger than 16kW recognition	● *	
HRV Control	●	●
Visual schematic	×	●
Energy management	●	●
Group management	●	●
Error check function	●	● *
System parameter querying	●	●
USB output	●	●
Report display	Error report	Error report and operation record
Operation log	×	●
LAN access	×	●
Language supported	English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Hungarian, Russian, Korean	
Dimensions (W×H×D) (mm)	182×123×34	270×183×27
Power supply	12V DC	24V AC
Outdoor unit series or indoor unit series	All series	

● : equipped as standard; × : without this function
* means this function is only available for V6/V6i/VCpro/V6R/V4+I(10-12HP), Mini C outdoor unit.



Features

Function	 CCM30	 CCM09
Max. number of indoor units	64	64
Max. number of refrigerant systems	8	8
Touch screen	×	×
On/Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	
7-speed fan control	3-speed fan control	
Auto swing	●	●
5-step swing louver*	×	×
Room temperature display	●	●
Holiday setting	×	×
°C/°F display	●	●
Schedule management	●	Weekly timer
Clock display	×	×
2 permission levels	×	×
Extension function	×	×
Indoor unit type/model recognition	×	×
Indoor unit with capacity larger than 16kW recognition	Identify as two or four units (depend on units model)	
HRV Control	●	●
Visual schematic	×	×
Energy management	Mode/Remote controller limit	
Group management	×	×
Error check function	●	●
System parameter querying	●	●
USB output	×	×
Report display	×	×
Operation log	×	×
LAN access	×	×
Language supported	English	
Dimensions (W×H×D) (mm)	179×119×74	179×119×74
Power supply	198-242V AC (50/60Hz)	
Outdoor unit series or indoor unit series	VC pro/ V4+I(except for 10-12HP)/ V4+W/Mini VRF-Standard Series ODU	V4+I(except 10/12HP)/V4+W/ Mini VRF- Standard Series ODU

Note:
● :equipped as standard; ×:without this function
*means this function is only available for V6/V6i/VC pro/V6R/V4+I(10-12HP) outdoor unit.

Touch Screen

Colorful touch screen and vivid display make operation more convenient and simple.



Electricity Charge Distribution

The controllers use the patented Midea Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Energy Management

User can set limits or locks on an indoor unit, such as minimum cooling temperature, maximum heating temperature, fan speed, operation mode, swing lock, remote controller lock and wired controller lock.



Unit Model Recognition

The controller recognizes the model of indoor and outdoor units and different models are represented by different icons.

Icon	Model	Icon	Model
	Low static pressure and middle static pressure (L-DUCT/M-DUCT)		Vertical concealed installation/vertical surface mounting (VS)
	High static pressure (H-DUCT)		Four-way Cassette
	Purifier (FAPU)		Compact Four-way Cassette (COMACT)
	Wall mounting (WALL)		Ceiling floor type (CAF)
	Old IDU (1st Gen. IDU)		Two-way Cassette
	One-way Cassette		CONSOLE
	Group control device icon		New ODU (New generation ODU)

Visual Schematic

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



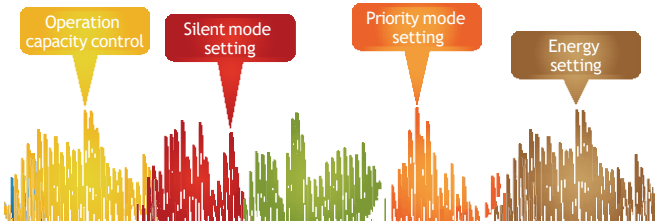
Group Management

Units can be viewed according to group, system or location, making unit management clearer and more convenient.



Outdoor Unit Con guration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.



Note: This function is only available for V6/V6i/VC pro outdoor unit.

Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



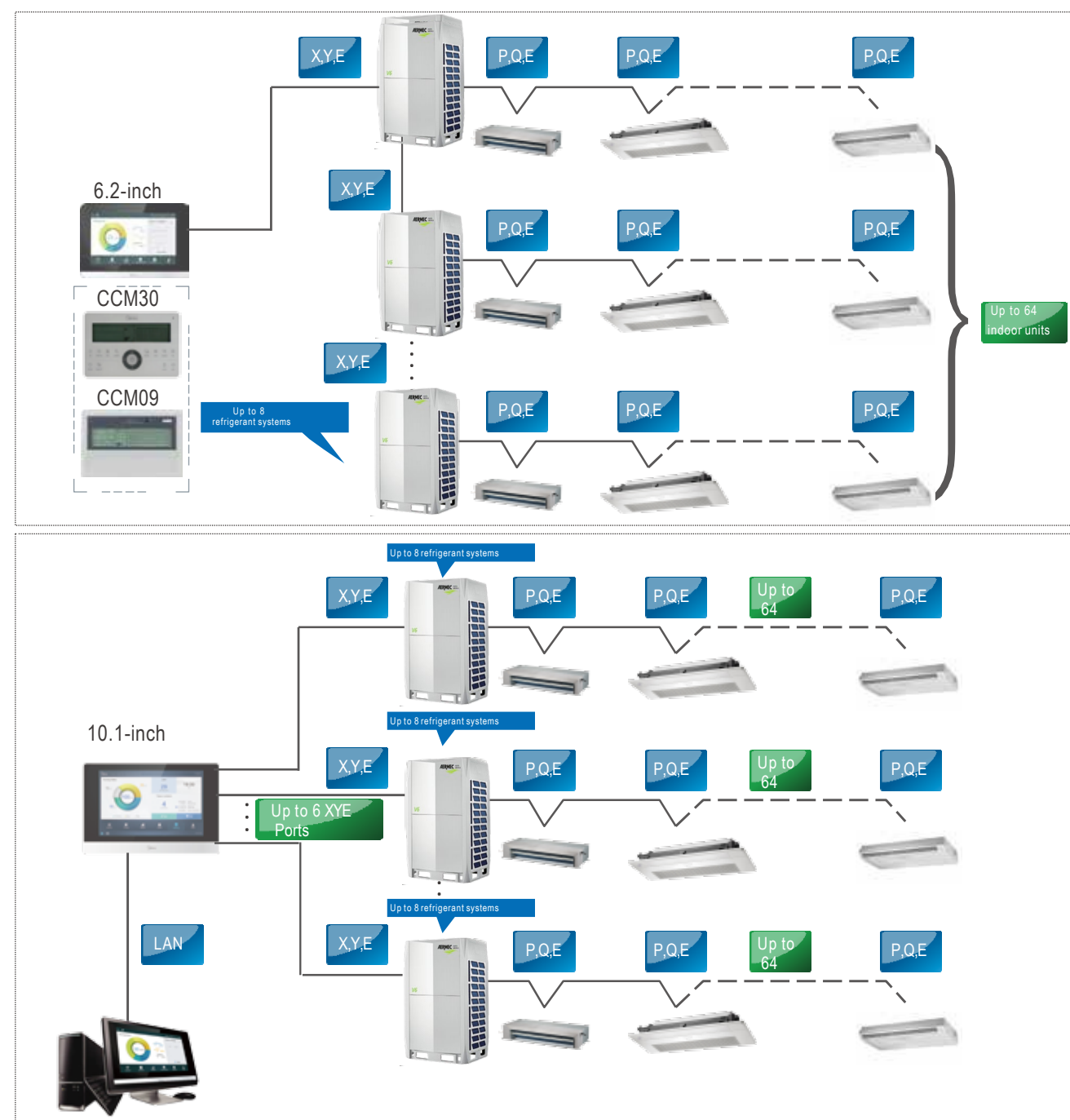
LAN Access

A desktop or laptop PC can be used for browser-based access via a LAN connection.



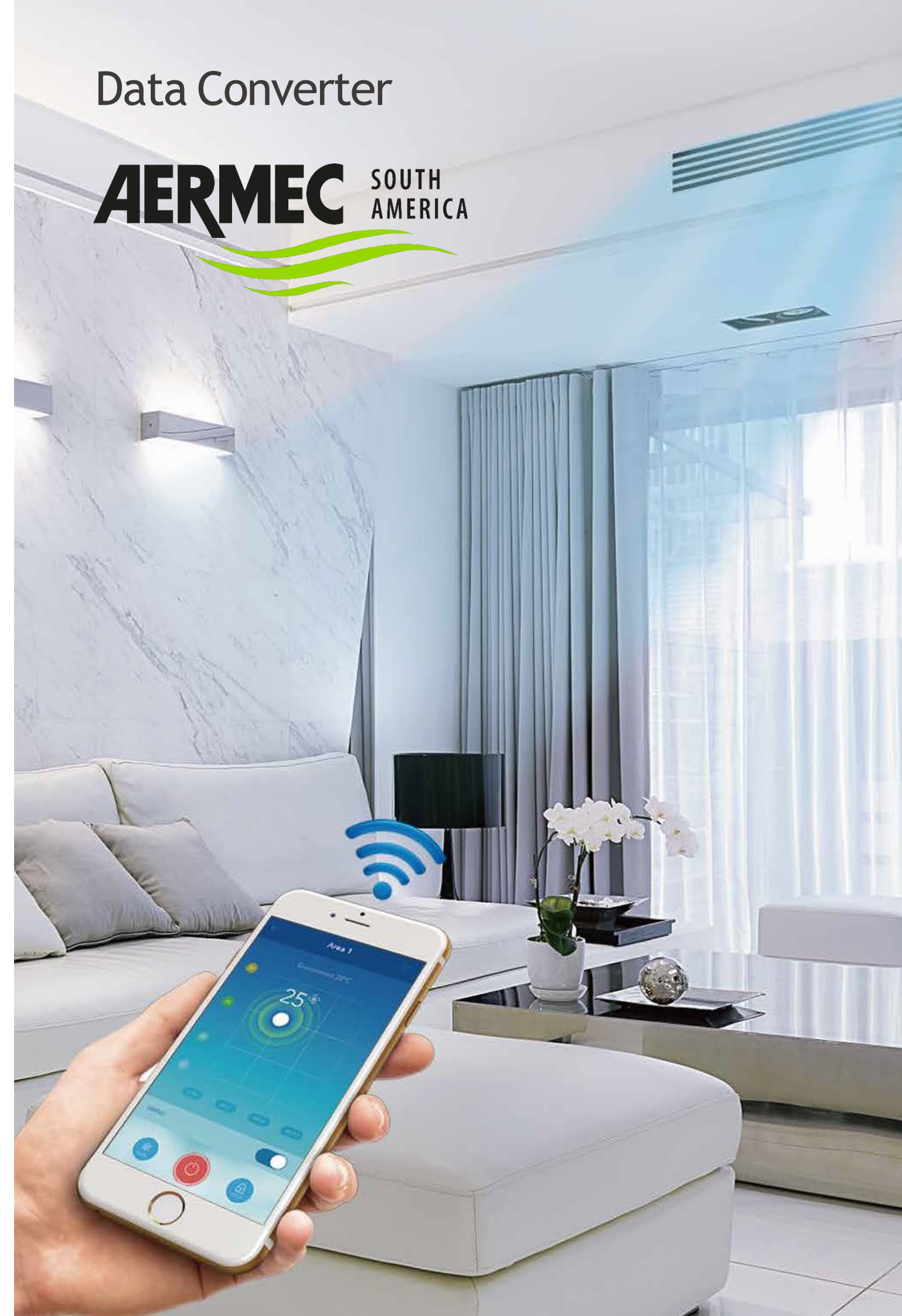
Wiring Flexibility

The controllers can be connected to the master outdoor unit directly.



Data Converter

AERMEC SOUTH AMERICA



Features

Hardware model	 CCM-15	
Application scenarios	 Mobile Phone Application	 Cloud Server Website
Max. number of CCM-15 for one mobile APP	10	10
Max. number of indoor units	640	640
Max. number of refrigerant systems	80	80
On/Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
7-speed fan control	×	×
Auto swing	●	●
5-step swing louver	×	×
Room temperature display	●	●
°C/°F display	●	●
Weekly timer	●	●
Indoor unit type recognition	×	×
Energy management	●	●
Group management	●	●
User group management	●	●
Operation log	●	●
Device log	●	●
Login record	●	●
Error log	×	●
Configuration	●	×
Account registration	●	×
Virtual	●	×
Mode display	●	●
Languages supported	English, French, Spanish	English, French, Spanish
Dimensions (W×H×D) (mm)	187×115×28	
Power supply	1 phase, 100-240V, 50/60Hz	
Outdoor unit series	All series*	

Note:
●:equipped as standard; ×:without this function
*For the V6R series , the CCM-15 is under development.

High Compatibility

Compatible with a variety of operating systems.



Easy Configuration

User groups can be joined simply by scanning a QR code.



User Friendly Interface

Clear, stylish interface designed by leading industrial designers.



Convenient Operation

Drag the position of the floating bubbles to change temperature and fan speed.



Cloud Server Website

In addition to "M-control", users can control air conditioners and query the status of air conditioning equipment anytime and anywhere through the cloud server website.



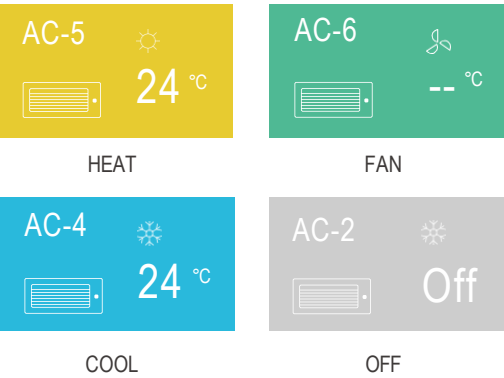
Anytime Control

Remote access to CCM-15 allows anytime, anywhere control.



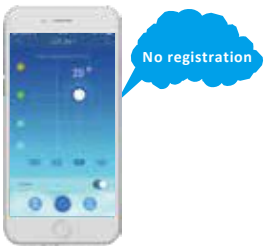
Clear Icons

Clear, color-coded icons allow unit operating states to be viewed at a glance.



Virtual Experience

After downloading "M-control", you can experience the operation of the interface through the virtual experience function without registration.



Group Management

The user can group the air conditioners equipment, and the air conditioner in the same group can be controlled together just with one tap.



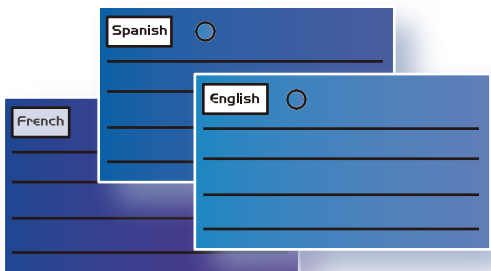
2 Permission Levels

Administrators can set different permissions for different users to facilitate better management of devices.



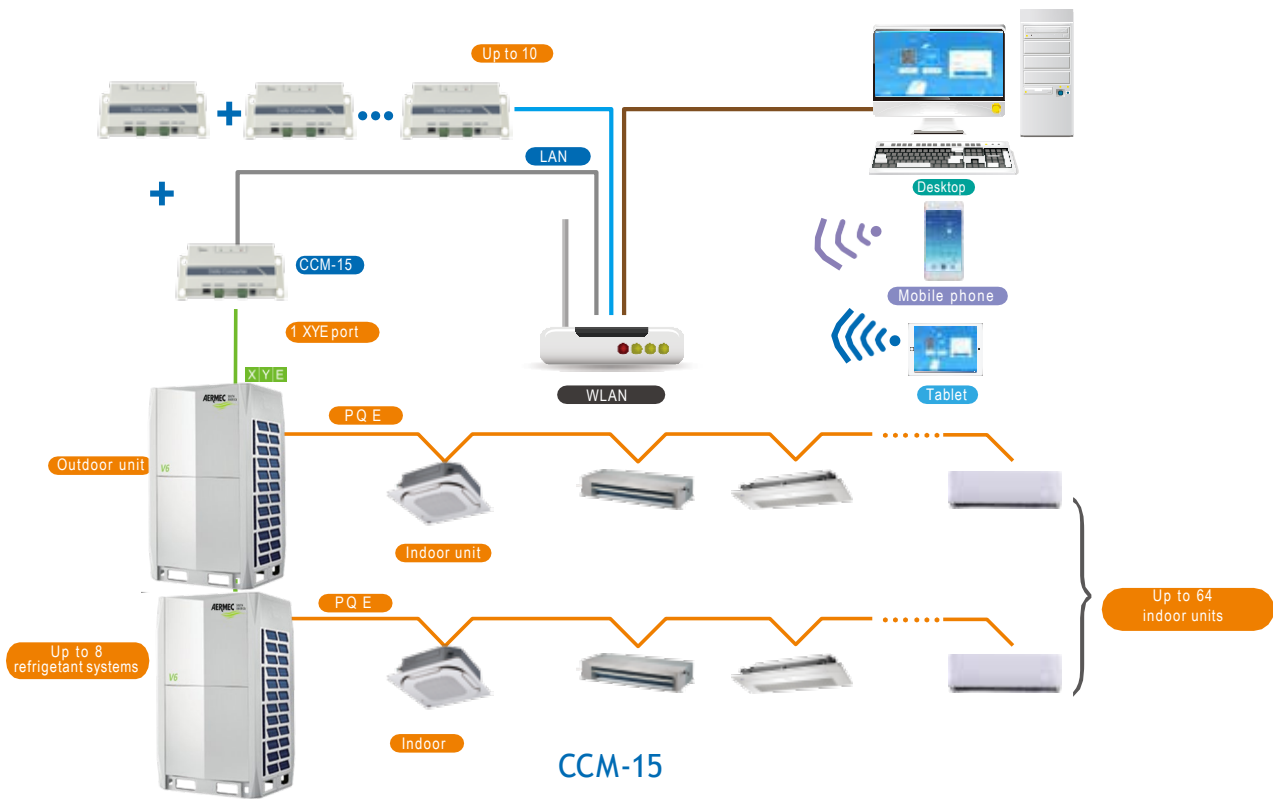
Multiple Language Options

Supports multiple languages so that users of different languages can operate easily.



Flexibility

The Data Converter can be connected directly to a network of indoor/outdoor units.



Network Control System



Features

Software model	 IMMP-S(A)		 IMM
Hardware model	 IMMP-BAC(A)	 CCM-270B/WS(A)	 M-interface
Max. number per software system	10	10	4
Max. number of indoor units	2560	3840	1024
Max. number of refrigerant systems	320	480	16
Temperature setting	● (0.5°C steps)	● (0.5°C steps)	● (1°C steps)
7-speed fan control*	●	●	✕ (3-speed)
Auto swing	●	●	●
5-step swing louver	●	●	✕
Outdoor unit Eco mode setting	●	●	✕
Holiday setting	●	●	✕
Schedule management	●	●	●
Clock display	●	●	●
2 permission levels	●	●	●
Unit model recognition	●	●	✕
Electricity charge distribution	●	●	●
Visual schematic	●	●	●
Energy management	●	●	●
Group management	●	●	●
Error check function	●	●	●
System parameter querying	●	●	●
Report output	●	●	●
Operation log	●	●	●
LAN access	●	●	●
Languages supported	English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Hungarian, Russian, Korean		9 languages
Dimensions (W×H×D) (mm)	251×319×61	270×183×27	251×319×66
Power supply	1 phase, 100-240V, 50/60Hz	24V AC	1 phase, 100-240V, 50/60Hz
Outdoor unit series	V6/V6i/VC pro/V6R/V4+I(10-12HP)/Mini C		V4+I(except for 10-12HP)/V4+W/Mini VRF-Standard Series

Note:
● :equipped as standard; ✕ :without this function
*means this function is only available for V6/V6i/VC pro/V6R/V4+I(10-12HP) outdoor unit.

User-friendly Interface

Simple, practical user interface makes for a user-friendly experience even for first-time users.



Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.



Note: This function is only available for V6/V6i/VC pro outdoor unit.

Electricity Charge Distribution

The IMMPRO uses the patented Midea Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Public and Idle Devices

Marking a unit as a public device or idle device ensures the electricity charge distribution is more accurate and reasonable.



Floor Plan

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.

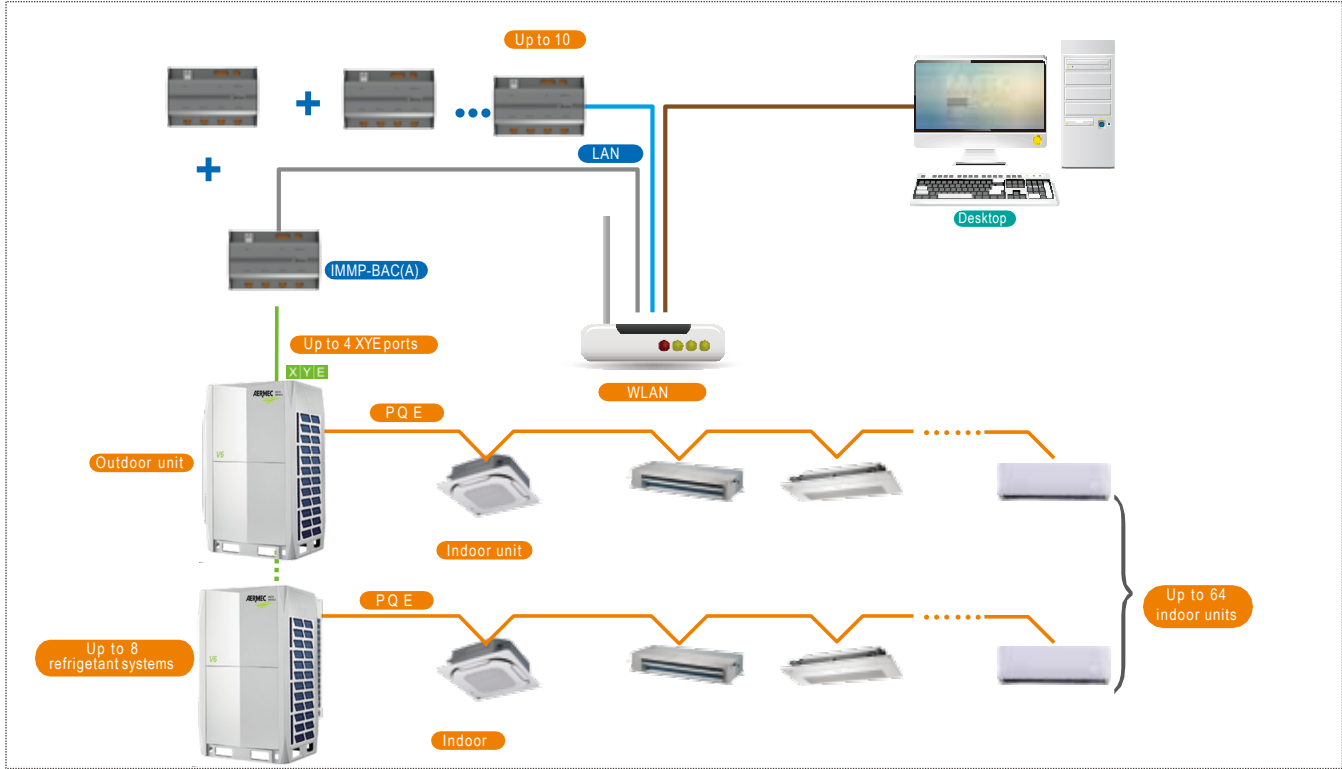


Xpress Installation

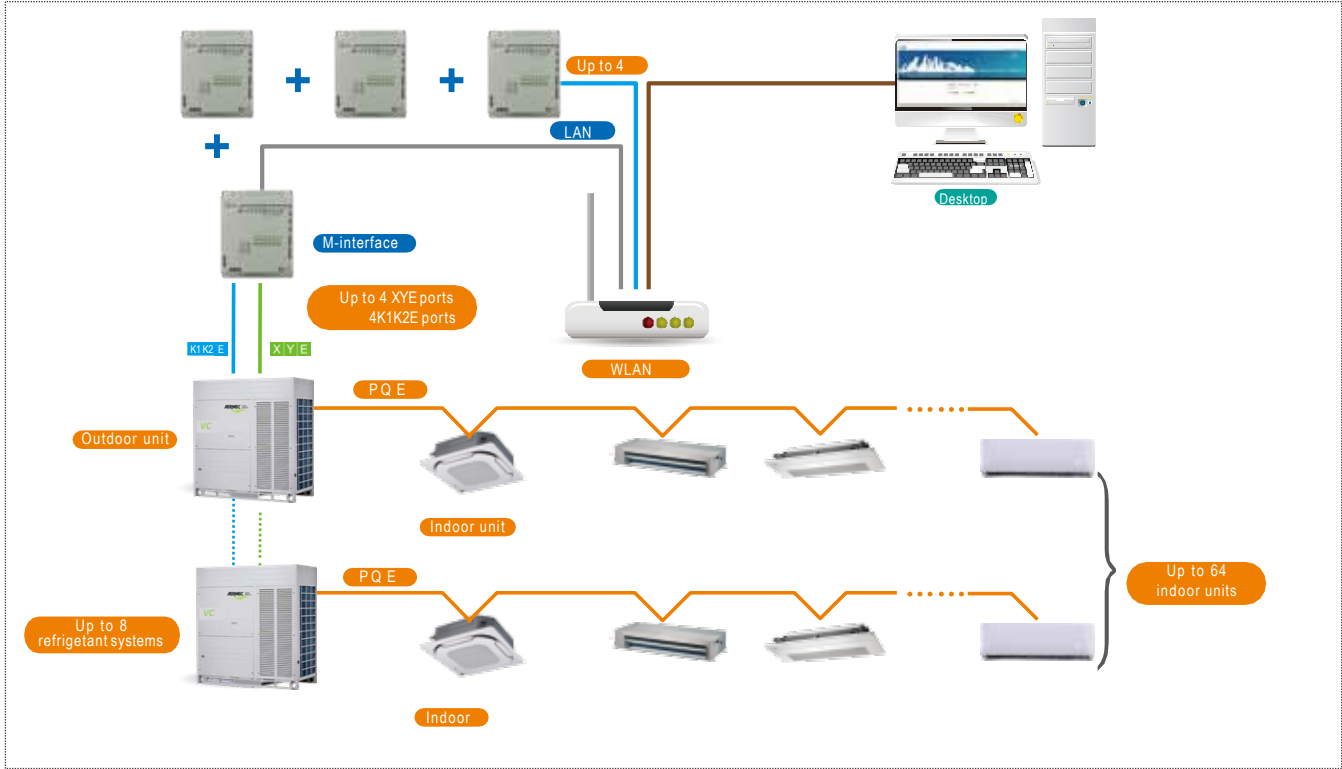
With the Xpress Installation wizard, IMMPRO can be installed quickly and easily without requiring support from a technical support engineer.



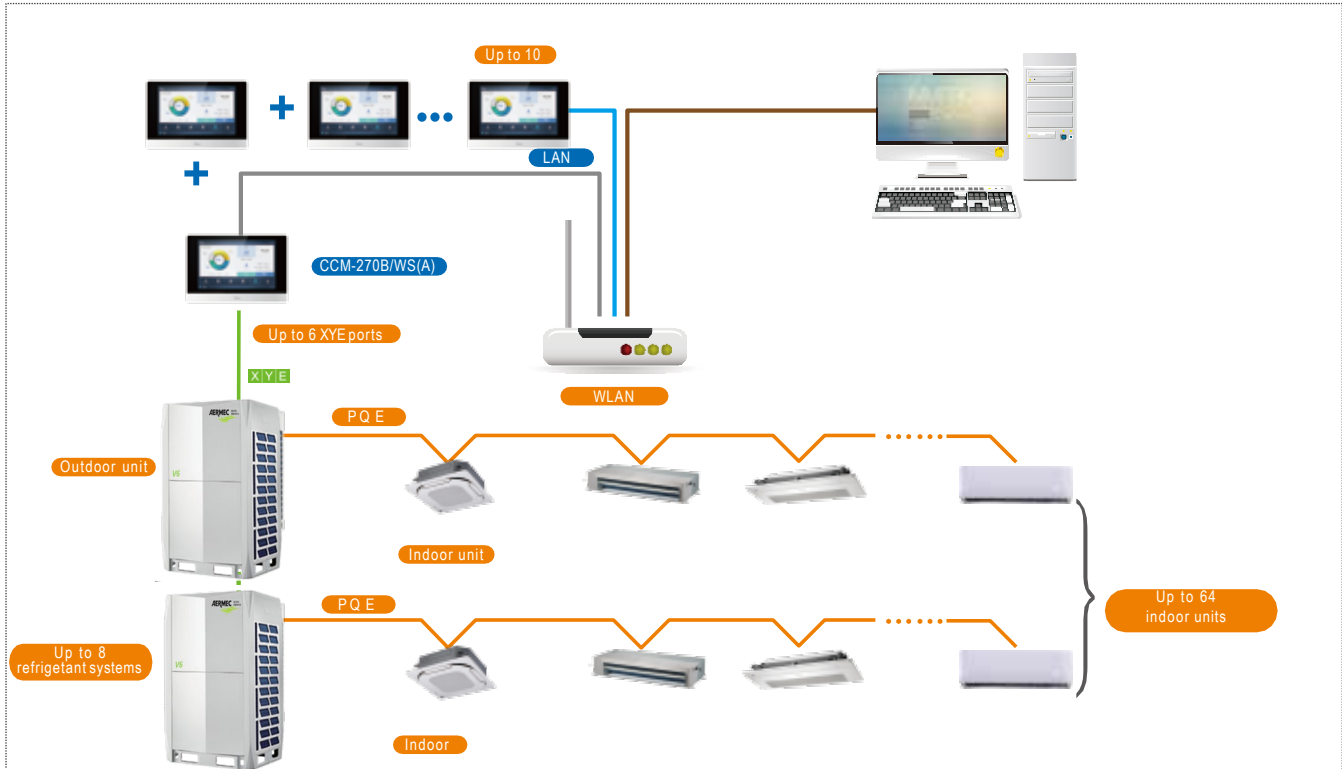
Network Flexibility



IMMP-BAC(A)



M-interface



CCM-270B/WS(A)

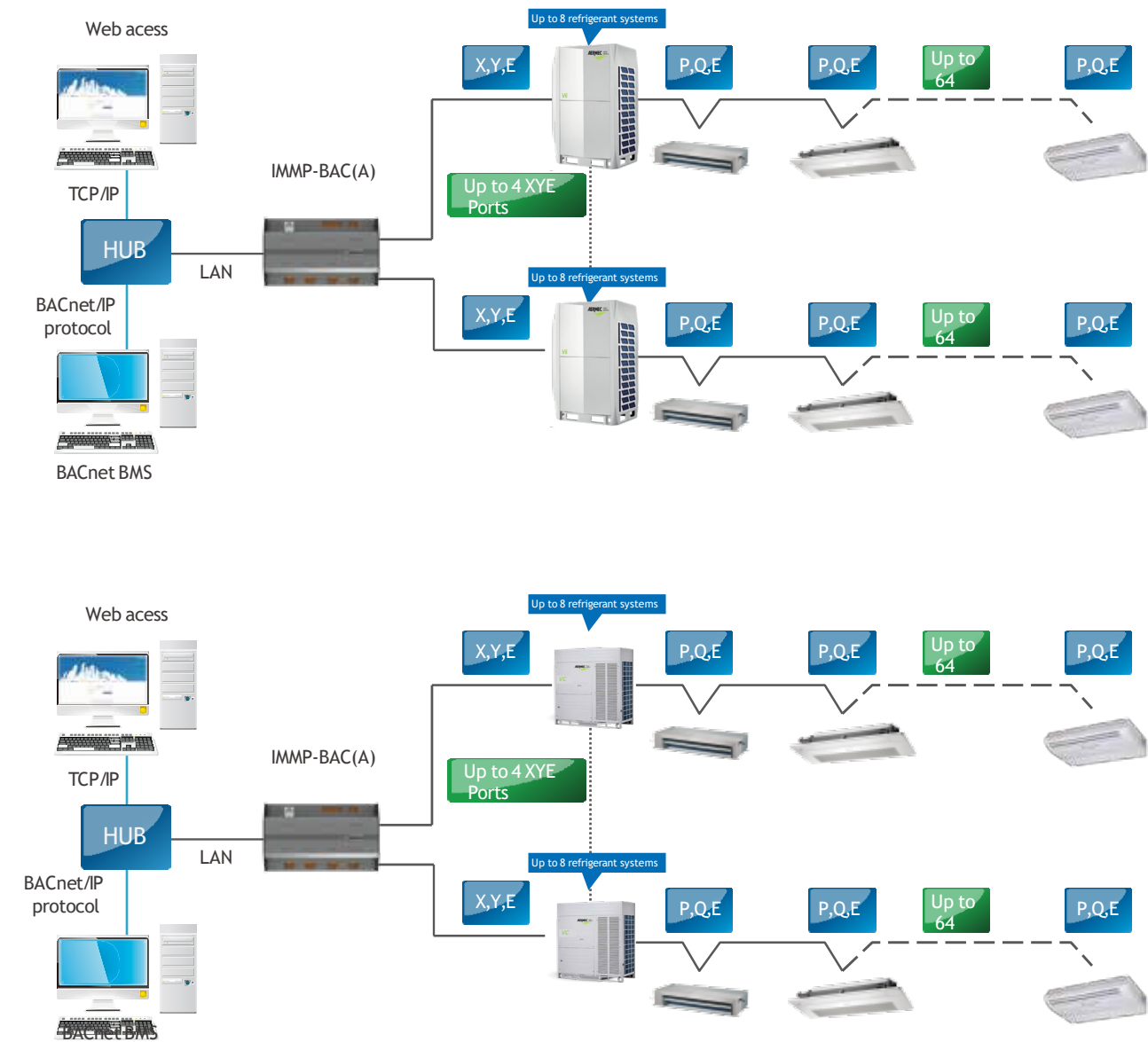
BACnet Gateway

Full Integration

The Bacnet Gateway allows Midea VRF systems to be monitored and controlled alongside other building management technology that use the BACnet protocol such as access control, fire detection and lighting systems.

Network Flexibility

The gateway can be connected to master outdoor units' XYE or K1K2E ports directly.



Note: Need to use a protocol conversion kit if you want to get the ODU parameters also for V4+W/ V4+I(Except 10/12HP) ODU

Features

Model		
		IMMP-BAC(A)
Max. number of devices (include indoor and outdoor units)		256
Max. number of refrigerant systems		32
Control	On / Off	•
	Mode selection	•
	Temperature setting	•
	Fan speed	•
	Energy management	•
Indoor unit monitoring	Room temperature display	•
	Error status	•
	Error alarms	•
Outdoor unit monitoring	Operating mode	•
	Outdoor ambient temperature	•
	Fan speed	•
	Compressor operating frequency	•
	Discharge temperature	•
	System pressure	•
	Error status	•
	Error alarms	•
LAN access		•
BTL certification		•
Compatibility	Siemens	APOGEE
	Trane	TRACER
	Honeywell	ALERTON
	Schneider	Andover Continuum
	Johnson Controls	METASYS
Dimensions (HxWxD)(mm)		116×190×67
Power supply		24V AC-50/60Hz
Outdoor unit series		All series

Note:
•:equipped as standard

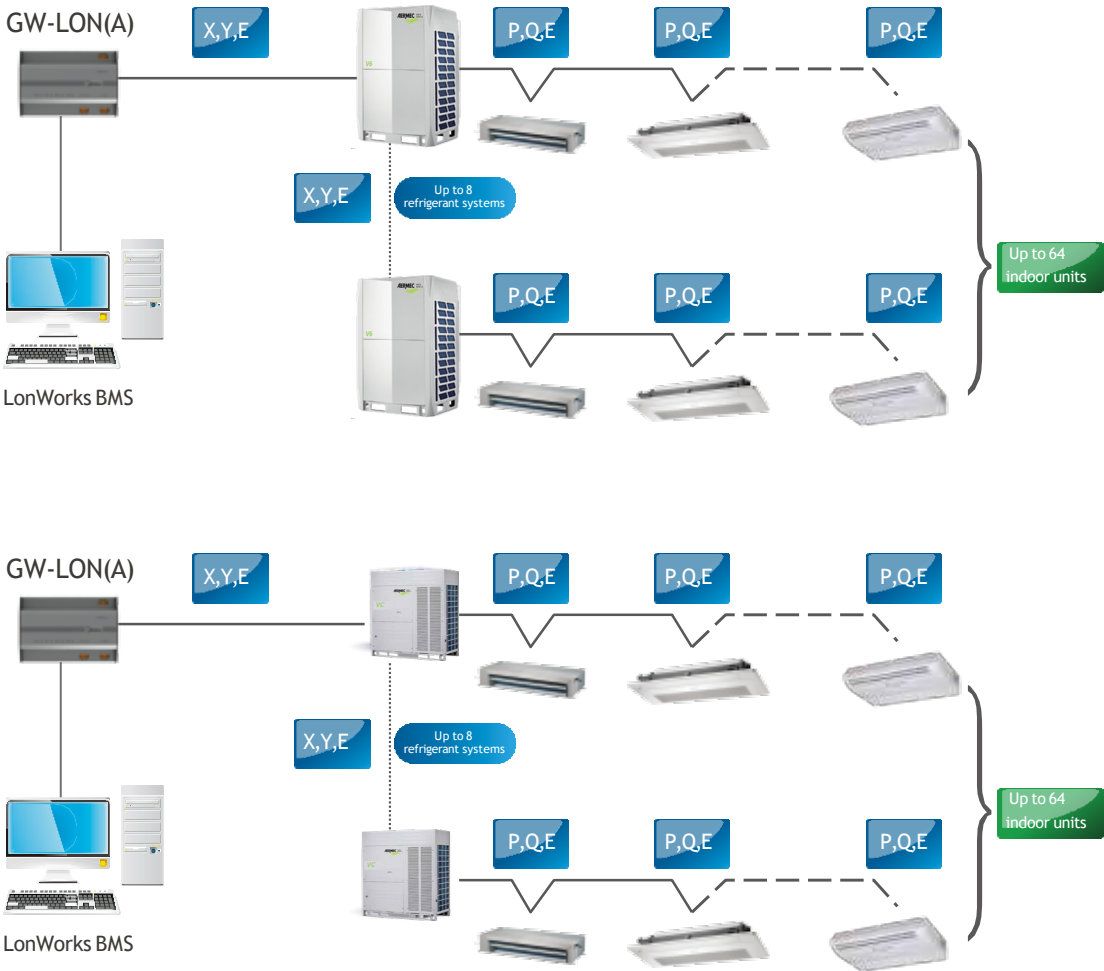
LonWorks Gateway

Full Integration

The LonWorks Gateway allows Midea VRF systems to be monitored and controlled alongside other building management technology on the LonWorks platform such as security, fire safety and lighting systems.

Network Flexibility

The gateway can be connected to master outdoor units' XYE port directly.



Features

Model		 GW-LON(A)
Max. number of indoor units		32
Max. number of refrigerant systems		8
Control	Mode selection	•
	Temperature setting	•
	Fan speed	•
	Group shut down	•
	On / Off	•
Indoor unit monitoring	Operating mode	•
	Set temperature	•
	Fan speed	•
	Online status	•
	Operating status	•
	Room temperature	•
Outdoor unit monitoring	Error status	•
	Error status	•
Dimensions (HxWxD) (mm)		116×170×67
Power supply		24V AC -50/60Hz
Outdoor unit series		All series

Note:
• :equipped as standard

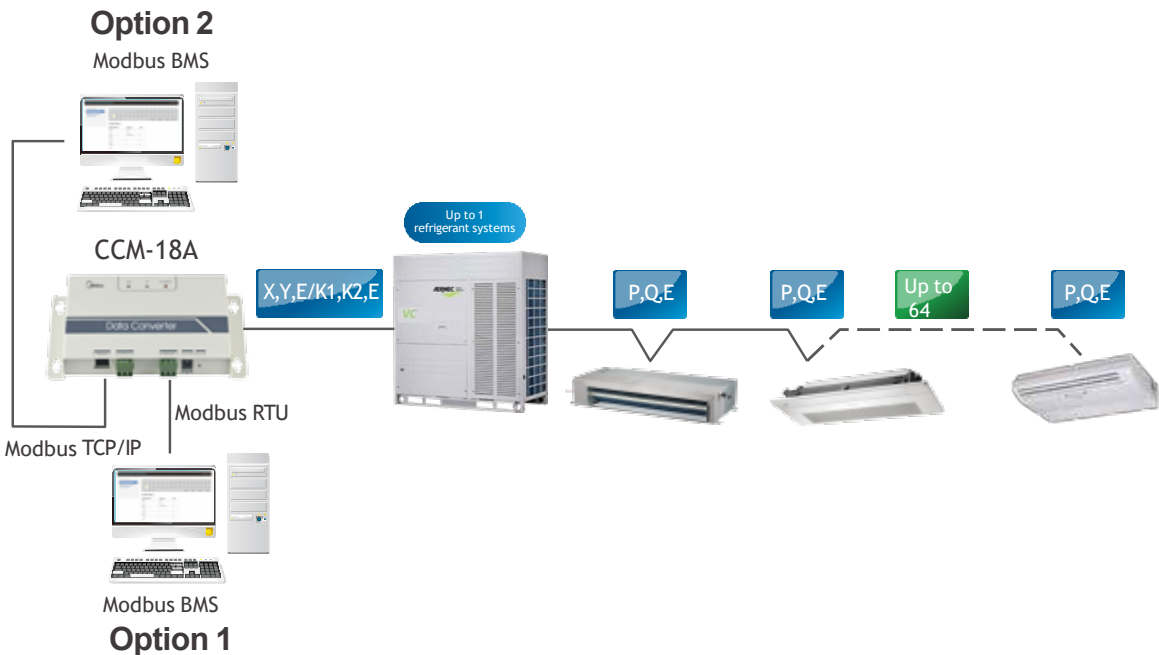
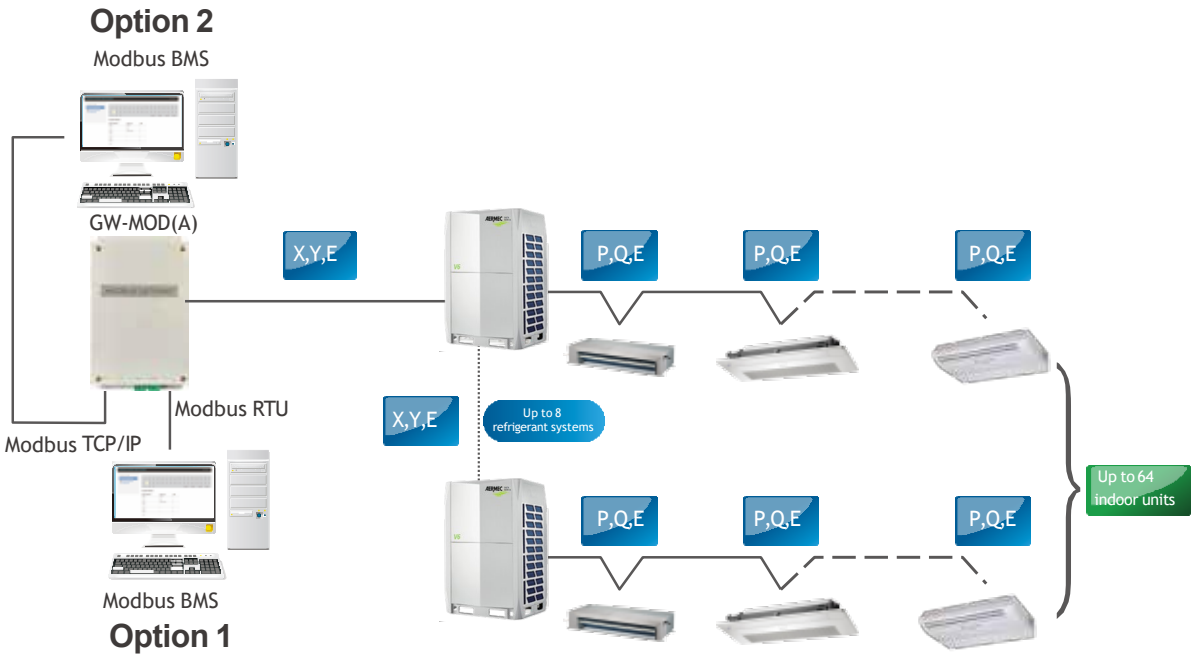
Modbus Gateway

Full Integration

The Modbus Gateway enables seamless connection of Midea VRF systems with building management systems built on the Modbus communication protocol.

Network Flexibility

The gateway can be connected to master outdoor units' XYE or K1K2E ports directly.



Features

Model		 GW-MOD(A)	 CCM-18A/N	 CCM-18A/N-U
Max. number of indoor units		64	64	16
Max. number of refrigerant systems		8	1	1
Control	On / Off	•	•	•
	Mode selection	•	•	•
	Temperature setting	•	•	•
	Fan speed	•	•	•
	Group on/off	•	•	•
Indoor unit monitoring	Online status	•	•	•
	Room temperature	•	•	•
	Error status	•	•	•
	Operating mode	•	•	•
Outdoor unit monitoring	Operating mode	•	•	×
	Number of operating IDUs	•	•	×
	Outdoor ambient temperature	•	•	×
	Error status	•	•	×
LAN access		•	•	•
Dimensions (HxWxD) (mm)		225×128×28	187×115×28	
Power supply		12V DC	1 phase, 100-240V, 50/60Hz	
Outdoor unit series		V6/V6i/VC pro/V6R/V4+I(10-12HP), Mini C ODU	V4+I(Except 10/12HP)/V4+W/Mini VRF-Standard Series	

•:equipped as standard; ×: without this function

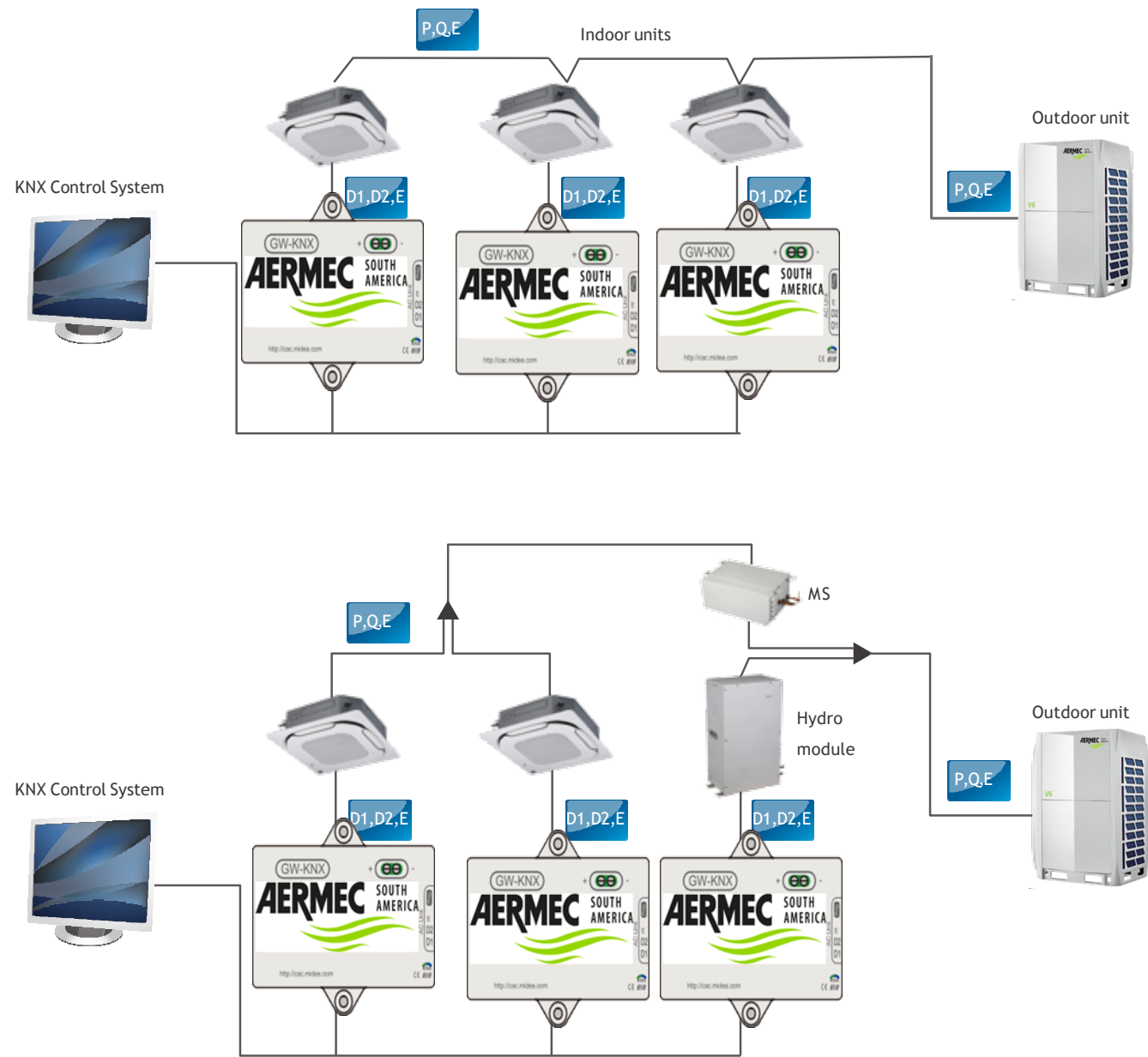
KNX Gateway

Full Integration

The KNX Gateway enables full integration of Midea VRF systems with home and building management systems built on the KNX network communications protocol. KNX is the only global standard for housing and building control, and has been adopted by 70% of Europe’s smart home market.

Network Flexibility

The gateway can be connected to indoor units’ XYE or D1D2E ports directly.



Features

Model		 GW-KNX
Max. number of indoor units		1
Control	On / Off	•
	Mode selection	•
	Temperature setting	• (1°C steps)
	7-speed fan control	• (3-speed)
	Swing	•
Monitoring	On / Off	•
	Mode selection	•
	Temperature setting	•
	Fan speed	•
	Swing	•
	Room temperature	•
	Error alarm	•
Dimensions (HxWxD) (mm)		85×51×16
Power supply		29VDC (KNX bus supply)
Indoor unit series		2 nd generation AC/DC IDU

Model		 GW-KNX(A)
Max. number of HTHM		1
Control	On / Off	•
	Room temperature	•
	Water outlet temperature	•
	Mode Switching	•
	Temperature control in water heating mode	•
Monitoring	On / Off	•
	Current running mode	•
	Water outlet temperature	•
	Room temperature	•
	Control status	•
	Current temperature in water heating mode	•
	Error codes	•
Dimensions (HxWxD) (mm)		85×51×16
Power supply		29VDC (KNX bus supply)
Indoor unit series		High Temperature Hydro Module for V6R

Note:
•:equipped as standard

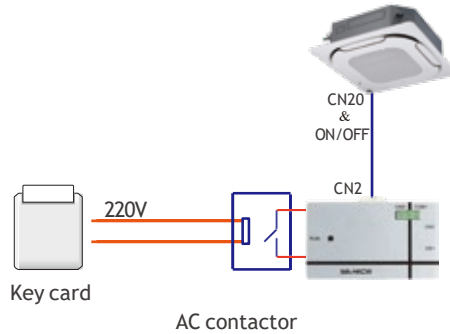


Hotel Key Card Interface Modules

Full Integration

The Hotel Key Card Interface Modules enable power supply to indoor units to be integrated with hotel key card power supply management systems, which are designed to save energy by only running appliances whilst guests are present in their room.

Features

Model	MA-HKCW	MA-HKCS
Appearance		
Network flexibility		
Auto restart		
Compatibility	Remote and wired controller	Remote and wired controller
Dimensions (H×W×D) (mm)	15.5×86×72.8	87×150×70
Power supply	5V DC (Supplied by indoor unit)	220V AC
Indoor unit series	All series	

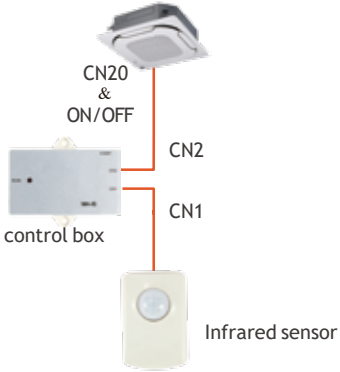
Note:
 : equipped as standard



Infrared Sensor Controller

Full Integration
Using infrared sensors to detect movement, the MD-NIM09 Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied. Suitable for hotels, offices, conference rooms and residences, the Infrared Sensor Controller ensures climate control whilst minimizing energy consumption.

Features

Model	MA-IS
Appearance	
Network flexibility	
Dimensions (H×W×D)(mm)	Sensor 46×30×25.6, Control box 86×72.8×15.5
Power supply	5V DC (Supplied by indoor unit)
Indoor unit series	all series

Diagnosis Software



Monitor and Diagnose

Midea’s VRF Diagnosis Software tool is used to monitor VRF systems and diagnose system errors. System settings and operating parameters can be accessed easily and data logs can be reviewed for fault prevention purposes.

Features

Model		
		MCAC-DIAG-B(A)
Max. number of indoor units		64
Max. number of refrigerant systems		1
Control	Mode selection	•
	Temperature setting	•
	Fan speed	•
Outdoor unit monitoring	Operating mode	•
	Capacity	•
	Compressor operating frequency	•
	Operating current	•
	Error status	•
	Temperatures	T3, T4, Tp (See note 1)
	Valve statuses	SV4, SV5, SV6, ST1 (See note 2)
Indoor unit monitoring	EXV position	•
	Operating mode	•
	Capacity	•
	Fan speed	•
	Address	•
	Temperatures	T1, T2, T2B, TS (See note 3)
Error codes	EXV position	•
		•
Toubleshooting		•
Data logs		•
Diagrams		System schematic, refrigerant flow diagram, parameter chart
Languages supported		English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Hungarian, Russian, Korean
Outdoor unit series		V6/V6i ODU

Note:
•:equipped as standard
1. Heat exchanger temperature, outdoor ambient temperature, discharge temperature.
2. Oil return valve, defrosting valve, EXV bypass valve, four-way valve.
3. Indoor ambient temperature, indoor heat exchanger mid-point temperature, indoor heat exchanger outlet temperature, set temperature.

Expert Diagnosis
Midea's VRF Diagnosis Software is specially designed to allow service engineers, to understand the operating status of the system at a glance.



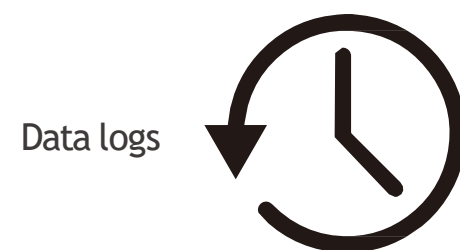
Parameter Querying
Access all the system parameters easily.



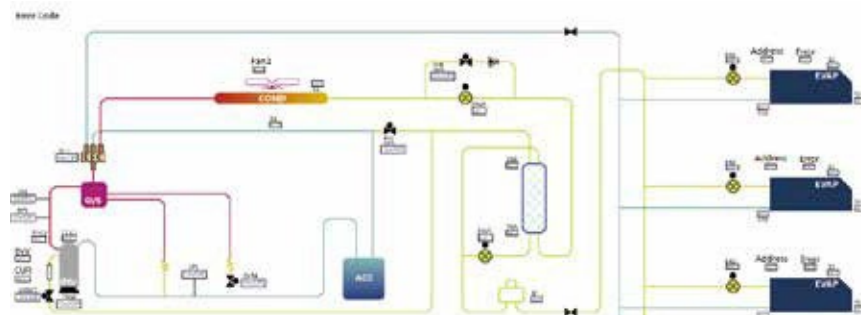
Use-friendly Interface
A stylish and simple interface with rich graphical representations makes diagnosing system issues quick and convenient.



Data Logs
Data logs including operating records and error reports are saved by the software which is useful for discovering system issues.



Diagrams
A system schematic, refrigerant flow diagram and parameter chart can be generated to provide a graphical interpretation of the system status.



Wiring Schematic



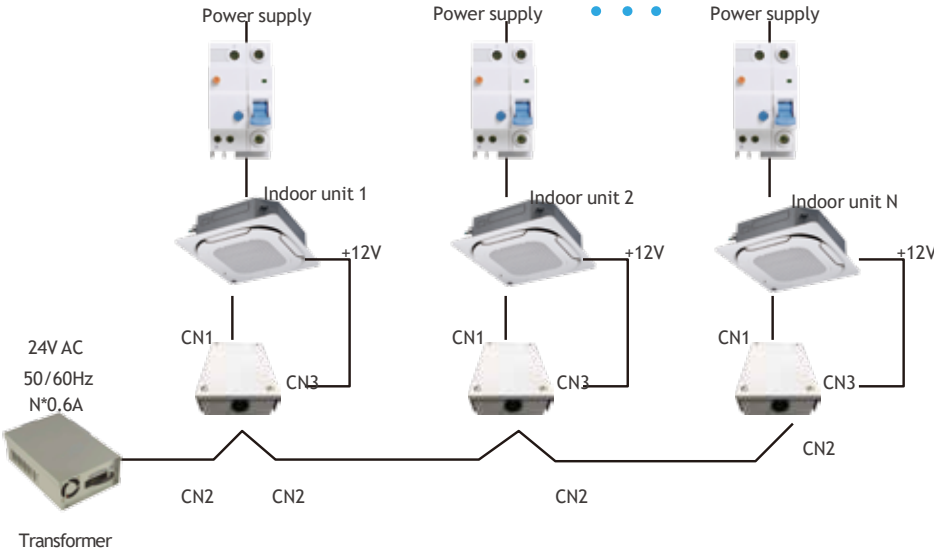
Indoor Unit Online Kit



IDU Online Kit

If the power supply for one indoor unit fails ,the indoor unit will still remain online and the whole VRF system will not stop. The IDU online kit will keep the indoor unit online , thus keeping the other indoor units of the system working normally and prevent unnecessary shutdown.

Features

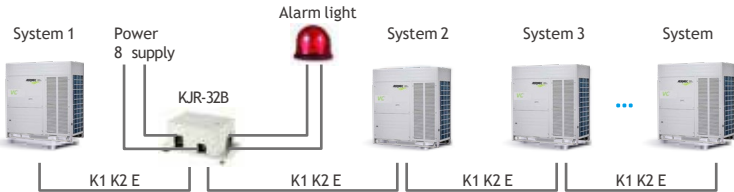
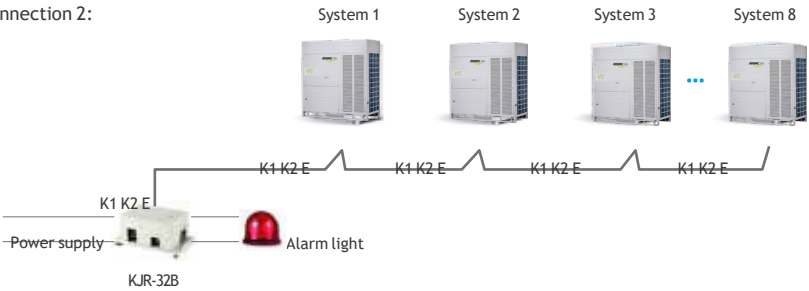
Model	 MCAC-PIDU
Network flexibility	
Dimensions (H×W×D)(mm)	146.6 x 100.6x 46.8
Power supply	24V AC
Indoor unit series	All series

Remote Alarm Module

Simple Design

KJR-32B is specially designed for engineering applications. It does not display the ODU’s working parameters parameters. When the outdoor unit fails, this module can output an alarm signal to remind you that the outdoor unit has failed.

Features

Model	 KJR-32B
Max. number of refrigerant systems	8
Wiring flexibility	Wiring connection 1:  Wiring connection 2: 
Dimensions (H×W×D)(mm)	85X150X70
Power supply	198-242V (50/60Hz)
Outdoor unit series	V4+I(except for 10-12HP)/V4+W ODU



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