2026



VRF CATALOG

Carrier VRF 2026
Cat-V.02

The specifications, designs, and information in this brochure are subject to change without notice

All Digitalized Service

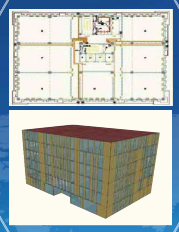
Online VRF system design



Energy Plus Building load calculation

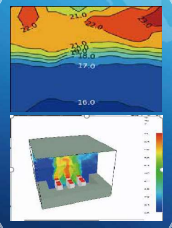


BIM building information import



MCFD

Energy consumption and airflow simulation optimization



Energy saving service





Installation service



Automatic refrigerant charge



Automatic commissioning report

Management service



The probability of Filth blockage 80%



Degradation of energy efficiency 25%



Cloud-based big data analytics



Ensures timely supply of global after-sales spare parts.

2 +10 +N Spare Parts Layout

After-sales service



Intelligent maintenance tool

OUTDOOR UNITS



Super Y (Combinable series)
Super Y 220V (Combinable Series)

The Super Y Series VRF uses a variety of algorithms and self-learning technology to monitor the operation of the equipment through operating parameters and timely maintenance, so that the equipment always runs in optimal condition throughout its life cycle.

Outdoor Unit Lineup

Super Y (Combinable series)

HP	8-18	20-24	26-40
Single Unit			

HP	42-80	82-120
Combined Unit		

Note: Four units combination are possible for the 8-24 HP models, for four units combination please contact Carrier.

Super Y 220V (Combinable series)

HP	8-18	20-24	26-28
Single Unit			

HP	30-56	58-84
Combined Unit		

HP	86-96
Combined Unit	

Outdoor Unit Functions

Functions			Super Y	Super Y 220V
●: equipped as standard; O: customization option; X: without this function				
Innovative Technologies	SmartLink	Original communication bus chip greatly simplifies installation and saves installation cost	●	●
	Sealed Box	IP55 Fully sealed electric control box realizes resisting all factors that cause intrusion and damage to the electric control box	●	●
	Comprehensive Sensor	19 sensors achieves the state of each part of the refrigerant pipeline can be known in the whole process	●	●
	Ceta 2.0	Triple variable control to maximize the comfort and energy efficiency	●	●
	CHAE 2.0	Provides comfort and healthy air supply	●	●
	Doctor 2.0	Intelligent diagnostic technology makes maintenance easier and more efficient	●	●
High Efficiency	Full DC inverter technology	All electrical components of outdoor and indoor units are DC power supply, improving electrical efficiency and achieving energy saving	●	●
	Enhanced Vapor Injection (EVI) compressor	Increases refrigerant circulation and improves both cooling and heating capacity	●	●
	Refrigerant subcooling	The refrigerant system can achieve 15°C refrigerant subcooling, which can further improve the refrigerant heat transfer efficiency while reducing the sound	●	●
	Low standby power consumption	The standby power consumption is as low as 3.5W	●	●
	G-type heat exchanger	Large capacity outdoor unit with G-type heat exchanger, which can increase the heat exchanger area and saves floor space	●	●
	60-step energy management	The system can be set 40% to 100% capacity output in 1% increments	●	●
	Duty cycling (unit)	Equalizes the running time of the outdoor units in a multiple-unit system,significantly extending unit lifespan (available for combined unit)	●	●
	Duty cycling (compressor)	Equalizes the running time of the compressor in each unit, significantly extending compressor lifespan (available for unit with two compressors)	●	●

Functions			Super Y	Super Y 220V
●: equipped as standard; O: customization option; X: without this function				
High Reliability	Backup operation (unit)	If one unit fails, the other units provide backup so that the system can continue operating (available for combined unit)	●	●
	Backup operation (compressor)	If one compressor fails, the other compressor provide backup so that the system can continue operating (available for unit with two compressors)	●	●
	Backup operation (fan motor)	If one fan motor fails, the other fan motor provide backup so that the system can continue operating (available for unit with two fan motors)	●	●
	Backup operation (sensor)	If one sensor fails, the virtual sensor provide backup so that the system can continue operating	●	●
	Precise oil control	Ensures all outdoor compressor oil is at a safe level, eliminating any compressor oil shortage problems.	●	●
	Heavy anti-corrosion protection	Can be customized with heavy anti-corrosion treatment for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life	○	○
	UL anti-corrosion certificate	It has been certified by UL that our VRF outdoor unit can withstand 27 years of simulated severe corrosion under a salt contaminated traffic environment	○	○
	Multichannel refrigerant cooling PCB	10 times higher than ordinary refrigerant pipe cooling efficiency	●	●
	Chassis electrical heater	Prevents condensation on the chassis from freezing in winter	○	○
	Anti-snow shield	Prevents the snow accumulating on the outdoor unit, guaranteeing the unit operating stable in snowy days	○	○
	Auto snow-blowing function	Blows away accumulated snow on the outdoor unit, guaranteeing the unit operating stable in snowy days	●	●
	Auto dust-clean function	Blows away accumulated dust on the outdoor unit, guaranteeing the unit operating stable in dusty environment	●	●
	Resistant to 8 intensity earthquake	A reinforced frame footprint to prevent tipping and deformation damage in a 8 intensity earthquake	○	○
	Resistant to violent typhoon	A reinforced trusses and double fastening for stable operation even under violent typhoon	○	○
	Alarm output	In case of system malfunction, remote output error information, remind maintenance personnel timely maintenance	●	●
	Fire alarm input	In case of fire, receive fire information in time and stop the system immediately to avoid serious problems	●	●

Outdoor Unit Functions

Functions			Super Y	Super Y 220V
●: equipped as standard; O: customization option; X: without this function				
Enhanced Comfort	Silent mode	15-step silent mode selections provide more freedom and convenience to match the customer needs	●	●
	Intelligent defrosting technology	Calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature (available in changeover priority mode)	●	●
	Additional ambient temperature sensor	The additional external ambient temperature sensor can detect the true outdoor ambient temperature, correctly judge whether the system is running in cooling or heating in auto priority mode, ensuring indoor comfort	○	○
	0.1 °C control precision	Control precision of the sensor can reach 0.1°C, ensuring less room temperature fluctuation	●	●
	Multiple priority modes	10 priority modes meet the requirements of all scenarios	●	●
Wide Application Range	Wide capacity range	Meets all customer requirements from small to large buildings	8-40HP (single) 42-120HP (combined)	8-28HP (Single) 30-96HP (Combined)
	Wide range of indoor units	Provides 15 types and more 100 models of VRF indoor units to meet different application scenarios	●	●
	Wide operation range	Operates stably under extreme conditions	-15~55°C (C) -30~30°C (H)	-15~55°C (C) -30~30°C (H)
	Long piping capability	Benefits for the system design, installation flexibility, as well as the less installation cost	●	●
	Auto addressing (ODU~IDU)	Distributes addresses to indoor units automatically, simplifying the installation	●	●
	Auto addressing (ODU~ODU)	Distributes addresses to slave outdoor units automatically, further simplifying the installation (available for combined unit)	●	●

Functions			Super Y	Super Y 220V
●: equipped as standard; O: customization option; X: without this function				
Easy Installation And Service	Automatic refrigerant charging	Makes installation and service easier and more efficient	○	●
	Automatic refrigerant recycling	Refrigerant can recycle to ODUs or IDUs and normal ODUs, making the maintenance easier and more efficient	●	●
	Bluetooth module	It can be used for fault information storage, operation parameter enquiry, system parameter setting, quick after-sales PCB replacement, indoor and outdoor units programme upgrade, etc., simplifying installation and maintenance.	○	●
	Digit display	4 digit 7-segment display can be intuitive for parameter setting, parameter check and error check	●	●
	High external static pressure	Up to 120Pa ESP allows easy handling in a variety of installation environments	0-20Pa ● 20-120Pa ○	0-20Pa ● 20-120Pa ○
	Arbitrary topology of communication wire	Supports any communication topology, greatly simplifies installation and reduces installation cost	●	●
	2-core non-polarity communication wiring between the indoor and outdoor units	Simplifies installation and reduces wiring failures	●	●
	Long communication wiring	Communication wiring up to 2000m makes installation more flexible	●	●
	Wide combination ratio	Combination ration can be extended to 50%-200% under certain conditions which can meet different project requirements	50-130% ● 50-200% (for single unit system) ○	50-130% ● 50-200% (for single unit system) ●
	Supports manual and automatic defrosting	Improves maintenance efficiency	●	●
	Supports manual and automatic oil return	Improves maintenance efficiency	●	●
	Easy software program upgrade*	The software program can be upgraded via on-site USB and burning, or remotely via the web	●	●
	Flexible controller connection	Central controller and BMS gateway can connect to ODU at the same time, central controller can connect to ODU or IDU	●	●
	Refrigerant amount diagnosis	The unit can diagnose excessive or insufficient amounts of refrigerant, prompt maintenance personnel to check the system in time to avoid serious malfunction	●	●
	Easy system commissioning and checking*	System commissioning and checking can easily be done on-site or remotely via the web	●	●
	Intelligent maintenance tool	Intelligent bluetooth after-sales kit can simplify maintenance and improve maintenance efficiency	○	○

Note:
*: The web function needs to be realized through the data cloud gateway, and the data cloud gateway needs to be purchased separately.



INNOVATIVE TECHNOLOGIES

SmartLink New & Unique

SealedBox New & Unique

Comprehensive Sensor New & Unique

CETA 2.0

CHAE 2.0

DOCTOR 2.0