

 FAMILY VRF

קטלוג
2024



אודות קבוצת פמילי מוצרי צריכה



המאפשרות בקרת אקלים מלאה, פיקוד אלקטרוני עם שלט חכם וחלקם מצוידים במדחסים היפנים הטובים בעולם.

טכנולוגיה:

FAMILY מובילה את מהפכת האינטרנט בישראל עם הפטנט הייחודי והפורץ דרך עם טכנולוגיית GENTLE WIND לפיזור אוויר נעים ומלטף מ-1,100 פתחי אוויר. כל הסדרות החדשות של מזגני FAMILY מתאפיינות בתפיסה עיצובית חדשנית עם קווים נקיים ואלגנטיים וטכנולוגיות מתקדמות העושות שימוש בגד ירוק ידידותי לסביבה. מזגנים אלו שקטים במיוחד (גם המאיידים וגם המעבים) ובעלי יעילות אנרגטית גבוהה ביותר המעניקה חיסכון משמעותי בצריכת החשמל.

שרות:

החברה מגובה בצוות הנדסה וצוות טכני מקצועי, המספק תמיכה הנדסית, טכנית ותכנונית בפריסה ארצית.

לחברה מערך שירות ארצי המונה:

מנהל שרות, טכנאים, מוקד שרות עם ניסיון רב בענף, כולם מחויבים ללקוח למענה מהיר, יעיל ומקצועי בעת הצורך.

פמילי מוצרי צריכה:

חברת "פמילי מוצרי צריכה" חרטת על דגלה להביא חדשנות טכנולוגית המאפשרת לצרכנים נוחות, יעילות ושקט על מנת שיהיה ממוזג איכותי לאורך שנים.

המותג FAMILY קיים בישראל למעלה מ-30 שנה, ונמצא בביתם של למעלה ממיליון ישראלים.

החברה משווקת את מוצריה בפריסה ארצית ללקוחות פרטיים, מוסדיים, אדריכלים, משרדי ממשלה, רשתות וחנויות חשמל, מתקני מערכות מיזוג, קבלנים, יזמים, מפעלי תעשייה, ועדי עובדים ועוד.

מותגים:

בין המותגים המשווקים על ידי חברת "פמילי מוצרי צריכה":
FAMILY, EVERGREEN, YORK, HITACHI

מגוון מוצרים:

FAMILY משווקת מגוון רחב של מזגנים: מזגנים עיליים, מזגנים מיני מרכזיים, מערכות VRF, מערכות חימום HEAT PUMP, מזגנים עומדים ומזגנים ניידים. כל המזגנים מיוצרים ומיובאים מהמפעלים הגדולים, המתקדמים והמובילים בעולם. מזגני FAMILY מצוידים במערכות פיקוד ובקרה מתקדמות וחכמות

כמו דור הצרכנים של היום, כך גם FAMILY, דינאמית וחדשנית, וזאת כדי להביא חדשנות טכנולוגית, איכות ואמינות שתאפשר לצרכנים נוחות ויעילות לאורך זמן. זהו דור של צרכנים שלא ממהרים לרוץ אחרי מותגים. הם חוקרים, משווים ובודקים לפני שהם קונים, הם אוהבים חידושים וטכנולוגיות חדשות ובעיקר, הם לא מתפשרים ורוצים לקבל את הכול במזגן אחד. לכן FAMILY מעמידה מגוון רחב של מזגנים - חדשניים, שקטים, חסכוניים וידידותיים לסביבה.

אם אתם דור שמוכן לשנות ולנסות, FAMILY הוא המותג עבורכם

FAMILY המזגן של הדור הבא



קולקציית מוצרים

יח' חיצונית מודולריות F-VRF

F-VRF : Scroll series																
Capacity	kBtu/h	86.0	95.5	114.3	136.5	153.5	172.0	191.0	209.8	232.0	250.7	267.8	290.0	307.0	324.8	344.6
	(HP)	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36
		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

9/10/12HP

14/16HP



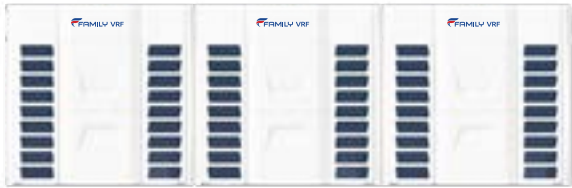
18/20/22HP

24/26/28/30/32/34/36HP



38-72HP

74-108HP



110-144HP



קולקציית מוצרים

יח' חיצונית F-MINI VRF

Capacity (kBtu/h)	27	34	40	47	54	61	68	76	86	88	95	114
F-VRF Mini 	•	•	•	•	•	•	•	•	•	•	•	•

יח' פנים (DC)

Capacity (kBtu/h)	Appearance	7.5	9.5	12.3	15.3	19.1	24.2	27.2	30.7	34.1	38.2	42.6	47.7	51.1	54.4
קסטת 4 כיוונים קומפקטית 			•	•	•	•									
קסטת 4 כיוונים רחבה 			•	•	•	•	•	•	•	•	•	•	•		
אופקי נסתר - זריקה ישירה 		•	•	•	•	•	•								
אופקי נסתר - לחץ סטטי בינוני 					•	•	•	•	•	•	•	•	•	•	•
יחידה עילית 		•	•	•	•	•	•								
יחידה רצפתית 					•	•	•	•	•	•	•	•	•		
Capacity (kBtu/h) Appearance		76.4		95.5		153.5		191.1							
אופקי מתועל - לחץ סטטי גבוה 			•			•									
יחידת צח 										•				•	

יח' פנים (AC)

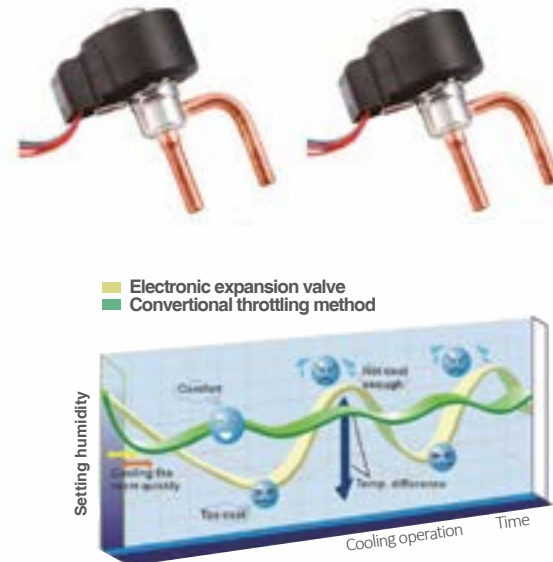
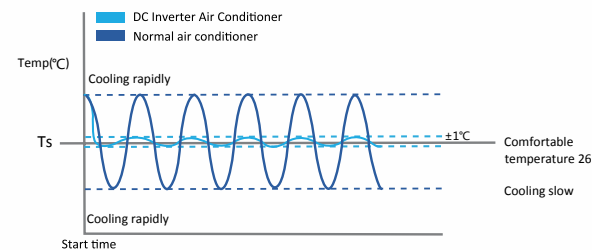
Capacity (kBtu/h)	Appearance	7.5	9.5	12.3	15.3	19.1	24.2	27.2	30.7	34.1	38.2	42.6	47.7	51.1
קסטת 4 כיוונים קומפקטית			●	●	●	●	●	●	●	●	●	●	●	
אופקי נסתר - זריקה ישירה		●	●	●	●	●	●							
אופקי נסתר - לחץ סטטי בינוני					●	●	●	●	●	●	●	●	●	●
אופקי מתועל - לחץ סטטי גבוה											●	●	●	●
Capacity (kBtu/h) Appearance		153.5										191.1		
יחידת אוויר צח					●						●			

קיט ליט"אות

Mode	Appearance	F-VRF-DX/AHU1	F-VRF-DX/AHU2
קיט אביזרים 		•	•

► Precise Temperature Control

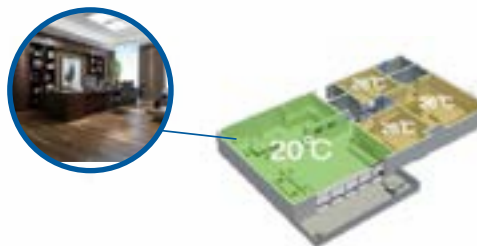
Using composite temperature control technology, through detecting the operating conditions of indoor and outdoor units, adjust the capacity output of outdoor units, optimize indoor airflow organization, accurately control temperature fluctuations to $\pm 0.5^\circ\text{C}$, and bid farewell to sudden cold and heat.



► Humanization Design

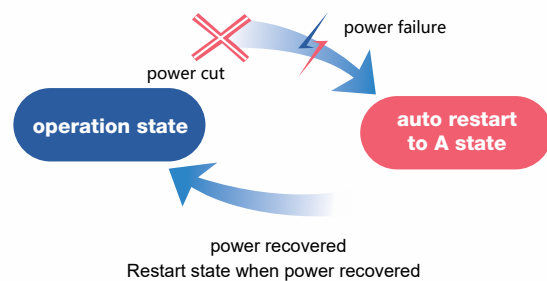
VIP Function

Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.



Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes. Recover the former operation state when power is restored, no need restart the unit manually.



Economic Locking Function

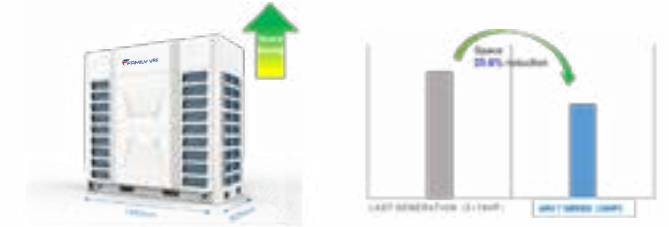
Special design economic locking function, through outdoor PCB switch setting. If work in economic lock, AC lowest work cooling temperature will keep in 26°C and highest heating temperature keep 20°C .



נוחות בהתקנה ותחזוקה

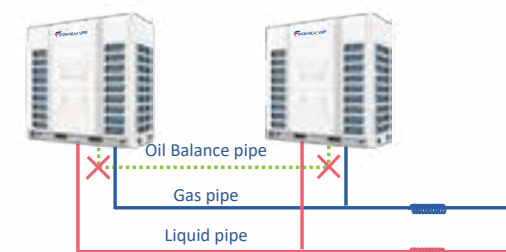
► Installation space saving

The F-VRF Series has larger capacity and smaller size, the capacity of the single unit can reach 36HP. For many large projects, the benefits of space-saving are particularly obvious.



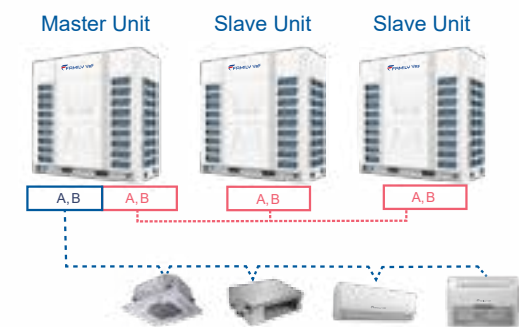
► No Oil Balance Pipe Between ODUS

High efficient oil/gas separating tech, make the system oil balance between compressors without oil balance pipe.



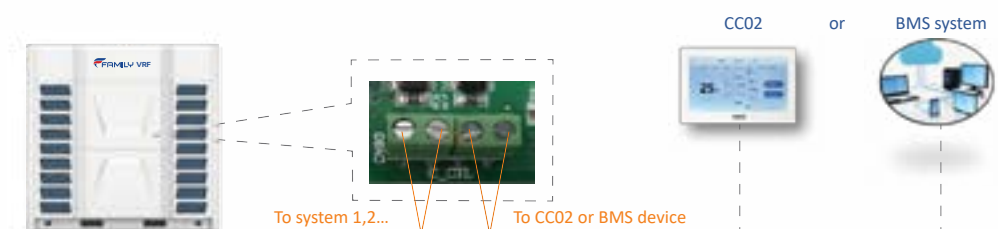
► Non-Polar Communication

Non-polar communication between IDUs, easy installation and commissioning.



► Centralized controller without Mini gateway

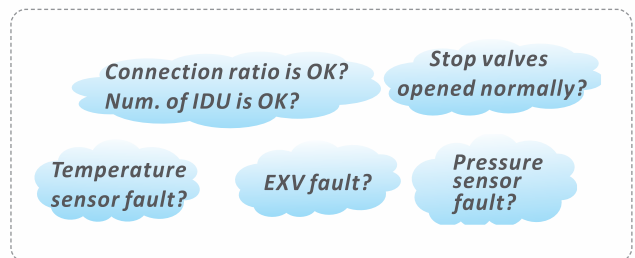
F-VRF Series doesn't need Mini Gateway to connect CC02 or BMS system, making installation easier and more convenient.



Same function: CC02(Max.64 systems&256 indoor units); MODBUS(Max.255 systems)

► Auto Commissioning

When commissioning, the outdoor mainboard can check the operation state and show the corresponding error code in engineering mode. Find out the faults when commissioning, enhance the reliability of the system.



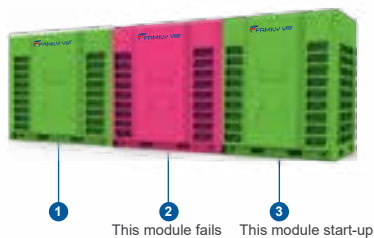
► Back-Up Operation Technology

Module Emergency

As one module breaks down, module emergency can be set, then the rest modules in same combination can run normally.

Compressor Emergency

As one compressor breaks down, compressor emergency can be set, then another compressor in this unit can run normally.



Fan motor backup.

Allowing time for maintenance or repair while comfort remains guaranteed.



► All-round Protection

High pressure protection

Low pressure protection

High compression ratio protection

Low compression ratio protection

High discharge temp. protection

Low discharge temp. protection

Voltage protection

Current protection

Fan motor protection

Inverter module protection

Compressor overload protection

Phase sequence protection

Ground protection

► Shell reinforcement design

- 1. Integrated side plate, 4-sided bottom beam
- 2. The triangle is stable to prevent deformation of the side plate
- 3. Resistance to lateral shear force, preventing separation of chassis and crossbeam
- 4. Large fillet, reinforced support to prevent distortion and deformation

► Oil Return Control Technology

Dynamic Oil Return Control Technology

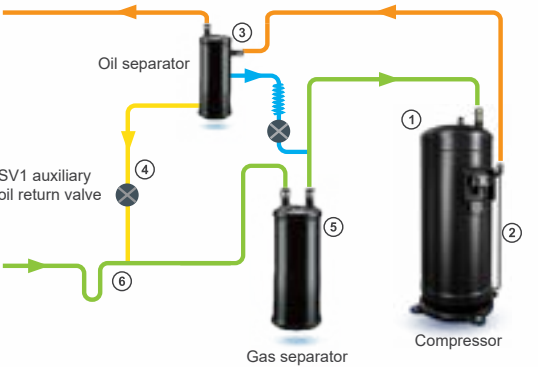
Monitor compressor running state and running time, computing system reasonable oil return time.

6-Step Oil Separating Technology

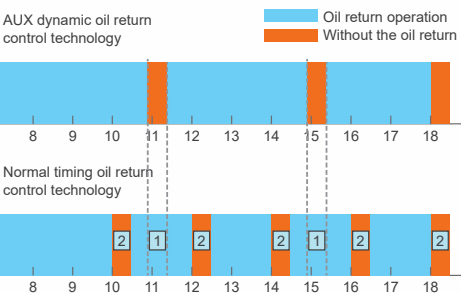
Completely solve the problem of oil, the system more stable and reliable

Compressor Throwing Oil Technology

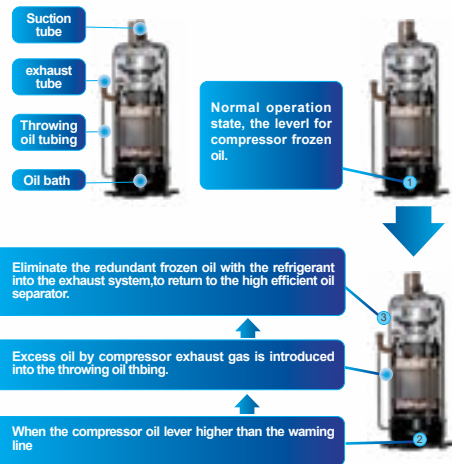
When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.



- ① Compressor with oil mist separation
- ② Oil self balancing control design
- ③ High efficient oil separator
- ④ Emergency oil circuit design
- ⑤ Gas-liquid separator oil return
- ⑥ System with oil return design



- 1 Need oil return but there was no oil return operation, which can't guarantee the system stability and reliability.
- 2 Without oil return operation is to carry on the oil return operation, which cause unnecessary waste.



► Three-phase relay

the ODU can be equipped with three-phase relays to effectively protect the PCB from voltage fluctuations.



► Complete Solutions

Provide diversified solutions, including VRF selection software, BIM models, and CFD simulations.

F-VRF חיצוניות מודולריות

F-VRF Series 380~415V-50/60Hz

HP			9	10	12	14
Model			F-VRF-9.0 TDC/ODU	F-VRF-10.0 TDC/ODU	F-VRF-12.0 TDC/ODU	F-VRF-14.0 TDC/ODU
Combination		HP	9	10	12	14
Capacity	Cooling	BTU/H	85,980	95,550	114,300	136,480
	Heating	BTU/H	85,980	95,550	114,300	136,480
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input	kW	5.31	6.79	9.1	10.52
	EER	W/W	4.745762712	4.12371134	3.681318681	3.802281369
	Heating input	kW	5.48	6.84	9.36	10.93
	COP	W/W	4.598540146	4.093567251	3.579059829	3.659652333
Performance	Air Flow Volume	CFM	7060	7060	7060	8235
	Sound Pressure level	dB(A)	43-58	43-58	43-58	43-61
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		1	1	1	1
Fan motor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		1	1	1	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	990×765× 1635	990×765×1635	990×765×1635	1340×765×1635
	Packing	mm	1040×830×1800	1040×830×1800	1040×830×1800	1400×830×1800
Weight	Net	kg	210	210	210	255
	Gross	kg	220	220	220	270
Refrigerant Piping	Liquid Side	Inch	1/2	1/2	1/2	5/8
	Gas Side	Inch	7/8	7/8	7/8	1-1/8
Operation Range	Cooling	°C	-15~55	-15~55	-15~55	-15~55
	Heating	°C	-20~24	-20~24	-20~24	-20~24

F-VRF Series 380~415V-50/60Hz

HP			16	18	20	22
Model			F-VRF-16.0 TDC/ODU	F-VRF-18.0 TDC/ODU	F-VRF-20.0 TDC/ODU	F-VRF-22.0 TDC/ODU
Combination		HP	16	18	20	22
Capacity	Cooling	BTU/H	153,540	172,000	191,100	290,840
	Heating	BTU/H	153,540	172,000	191,100	290,840
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input	kW	12.2	14.8	17.64	20.2
	EER	W/W	3.68852459	3.405405405	3.17	3.04
	Heating input	kW	12.21	14.89	17.31	19.17
	COP	W/W	3.685503686	3.384822028	3.235124206	3.208137715
Performance	Air Flow Volume	CFM	8235	9410	9410	9410
	Sound Pressure level	dB(A)	43-61	43-63	43-63	43-63
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		1	1	2	2
Fan motor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		2	2	2	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635
	Packing	mm	1400×830×1800	1400×830×1800	1400×830×1800	1400×830×1800
Weight	Net	kg	255	273	313	313
	Gross	kg	270	288	328	328
Refrigerant Piping	Liquid Side	Inch	5/8	5/8	5/8	5/8
	Gas Side	Inch	1-1/8	1-1/8	1-1/8	1-1/8
Operation Range	Cooling	°C	-15~55	-15~55	-15~55	-15~55
	Heating	°C	-20~24	-20~24	-20~24	-20~24

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
8.The above combined types are factory-recommended type. The combined type also can be combined at will.

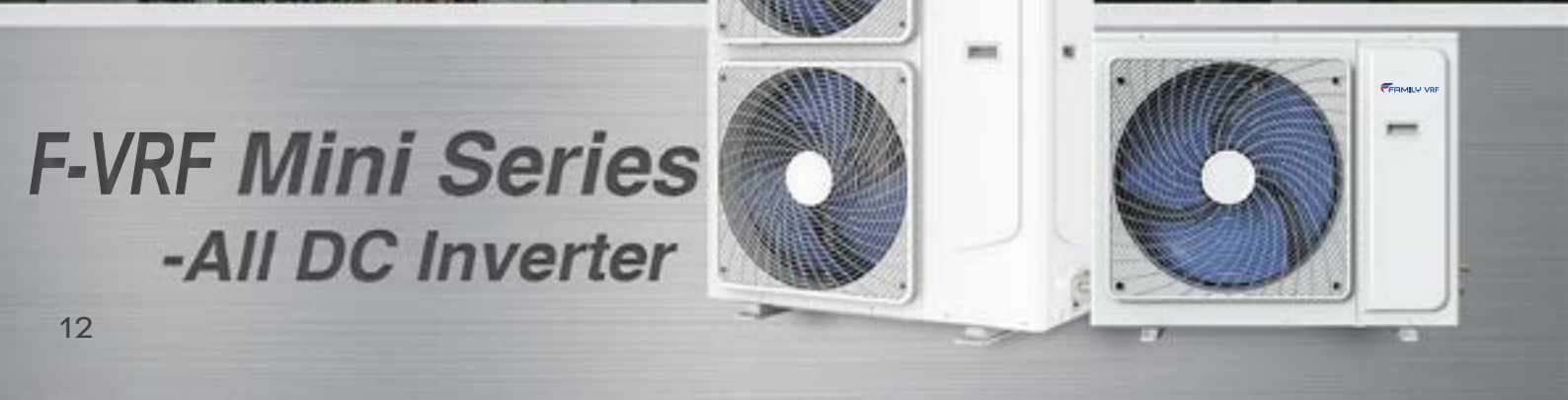
F-VRF Series 380~415V -50/60Hz

HP			24	26	28	30
Model			F-VRF-24.0 TDC/ODU	F-VRF-26.0 TDC/ODU	F-VRF-28.0 TDC/ODU	F-VRF-30.0 TDC/ODU
Combination		HP	24	26	28	30
Capacity	Cooling	BTU/H	232,015	249,075	267,840	290,020
	Heating	BTU/H	255,900	278,080	298,550	324,140
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input	kW	18.61	20.8	23.64	26.56
	EER	W/W	3.65	3.51	3.32	3.2
	Heating input	kW	18.99	20.79	23.97	27.14
	COP	W/W	3.95	3.92	3.65	3.5
Performance	Air Flow Volume	CFM	17060	17060	17060	17650
	Sound Pressure level	dB(A)	43-62	43-62	43-63	43-64
Compressor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		2	2	2	2
Fan motor	Type		DC Inv	DC Inv	DC Inv	DC Inv
	Quantity		2	2	2	2
Connection Ratio		%	50-200	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	1850×825×1760	1850×825×1760	1850×825×1760	1850×825×1760
	Packing	mm	1925×930×1930	1925×930×1930	1925×930×1930	1925×930×1930
Weight	Net	kg	379	379	379	380
	Gross	kg	402	402	402	403
Refrigerant Piping	Liquid Side	Inch	3/4	3/4	7/8	7/8
	Gas Side	Inch	1-3/8	1-3/8	1-3/8	1-3/8
Operation Range	Cooling	°C	-15~55	-15~55	-15~55	-15~55
	Heating	°C	-20~24	-20~24	-20~24	-20~24

F-VRF Series 380~415V -50/60Hz

HP			32	34	36
Model			F-VRF-32.0 TDC/ODU	F-VRF-34.0 TDC/ODU	F-VRF-36.0 TDC/ODU
Combination		HP	32	34	36
Capacity	Cooling	BTU/H	307,080	324,820	344,610
	Heating	BTU/H	341,200	361,670	382,144
Electric Data	Power supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input	kW	29.51	31.73	34.01
	EER	W/W	3.05	3	2.97
	Heating input	kW	29.41	31.74	33.94
	COP	W/W	3.4	3.34	3.3
Performance	Air Flow Volume	CFM	17650	17650	17650
	Sound Pressure level	dB(A)	43-64	43-66	43-66
F-VRF Series	Type		DC Inv	DC Inv	DC Inv
	Quantity		2	2	2
Fan motor	Type		DC Inv	DC Inv	DC Inv
	Quantity		2	2	2
Connection Ratio		%	50-200	50-200	50-200
Dimension (WxDxH)	Net	mm	1850×825×1760	1850×825×1760	1850×825×1760
	Packing	mm	1925×930×1930	1925×930×1930	1925×930×1930
Weight	Net	kg	405	405	405
	Gross	kg	428	428	428
Refrigerant Piping	Liquid Side	Inch	7/8	7/8	7/8
	Gas Side	Inch	1-3/8	1-3/8	1-3/8
Operation Range	Cooling	°C	-15~55	-15~55	-15~55
	Heating	°C	-20~24	-20~24	-20~24

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
4.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
8.The above combined types are factory-recommended type. The combined type also can be combined at will.



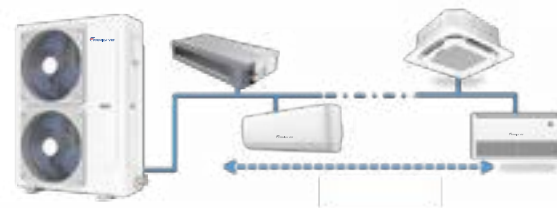
Feature

► DC Inverter Compressor

Made of rare earth permanent magnetic material, the rotor could change the motor's round speed by changing the DC voltage motor, thus overcome the electromagnetic noise and rotor loss of AC inverter compressor, then achieves high efficiency as well as low noise.

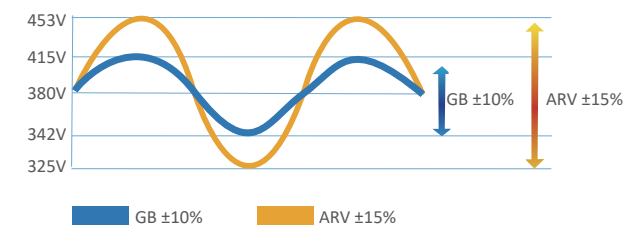
► Diversification of installation

A various of indoor units can be connected together, multi indoor units can be freely combined together in one systems . So Mini VRF is the best choose for some place which had multi rooms.



► Wide Voltage Design

In country with unstable voltage, ARV can also run stably.



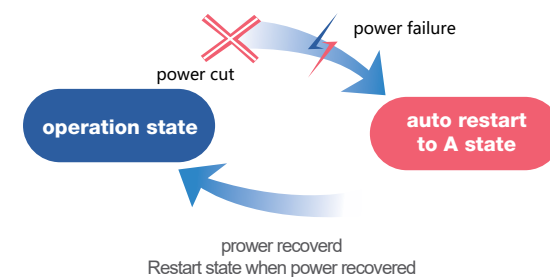
► 26°C economic locking

All indoor units will run as energy saving mode state.



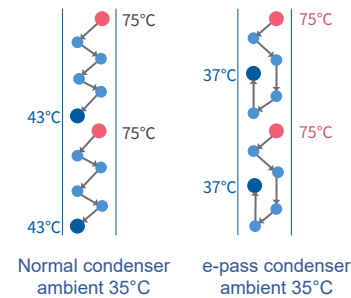
► Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes.



► 2-stage Sub-cooling Technology

Adopting E-pass circuit Reduce resistance and improve heat transfer efficiency.



Subcooling circuit of the condenser to get 6-10°C sub-cooling. When the ambient temperature is 35°C, the outlet temperature can be reduced to 37.5°C (43°C for ordinary ones)



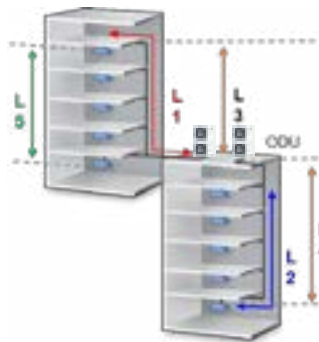
► Seven-levels of limit electricity usage

The unit has the function of energy saving and power limiting (40% - 100% output power limit). Users can choose the automatic energy saving mode. The system optimizes the output based on changes in ambient temperature, improving the comprehensive operating energy efficiency of the unit.



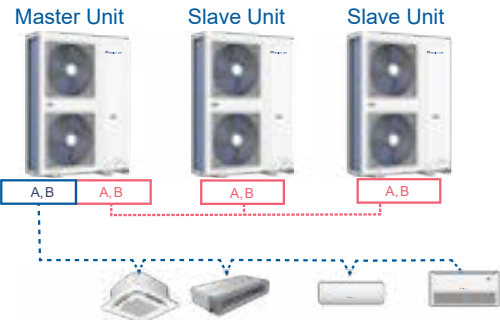
► Long Piping Length

- Max. Total piping length — 560m
- Max. piping length between ODU and farthest IDU — 150/175m
- Max. piping length from 1st indoor branch to the farthest indoor unit — 40m
- Max. Level difference between indoor units — 30m
- Max. Level difference between ODU and IDU units — 40m/50m



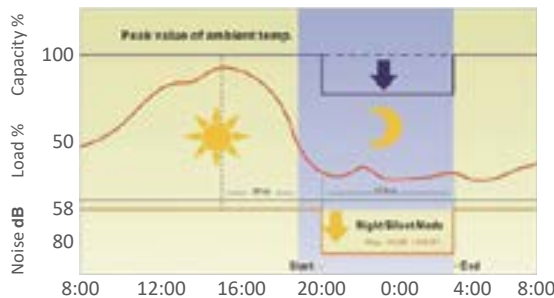
► Non-Polar Communication

Non-polar communication between IDUs ,easy installation and commissioning.



► 12 levels silent modes

"6-levels night silent modes.
6-levels daytime silent modes".



F-VRF MINI חידות חיצוניות



F-VRF MINI 50/60Hz Three-Phase

Model			F-VRF-M4.4 TDC/ODU	F-VRF-M5.0 TDC/ODU	F-VRF-M6.0 TDC/ODU	F-VRF-M6.5 TDC/ODU	F-VRF-M8.0 TDC/ODU	F-VRF-M10.0 TDC/ODU
Capacity	Cooling	BTU/H	41,285	47,770	52,885	61,415	76,400	88,700
	Heating	BTU/H	47,770	54,590	61,415	68,240	83,590	97,230
Electric Data	Power Supply	V~,Hz,Ph	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60	380~415,3N~50/60	380~415,50/60,3	380~415,50/60,3
	Cooling Power Input	kW	3.25	3.80	4.80	5.20	6.80	7.60
	Heating Power Input	kW	3.45	3.85	4.60	5.00	5.90	6.80
	Cooling Current	A	5.00	5.80	7.60	8.00	11.10	12.40
	Heating Current	A	5.30	5.90	7.30	7.70	9.60	11.10
	EER		3.72	3.68	3.23	3.46	3.29	3.42
	COP		4.06	4.16	3.91	4.00	4.15	4.19
Performance	Air Flow Volume	CFM	3000	3000	3000	3940	6470	6470
	Noise Level	dB(A)	56	56	57	58	62	62
Piping Limite	Height difference between IDU and ODU	m	20	20	30	30	50	50
	Height difference between IDU and IDU	m	10	10	10	10	15	15
	Between the first branch and the Farthest IDU	m	30	30	30	30	40	40
	Total Pipe length	m	100	100	100	100	250	250
Connection Ratio		%	50-130%	50-130%	50-130%	50-130%	50~130	50~130
Dimension (WxDxH)	Net	mm	990×420×860	990×420×860	990×420×860	940×340×1320	1120×400×1540	1120×400×1540
	Packing	mm	1100×545×980	1100×545×980	1100×545×980	1080×430×1440	1270×560×1710	1270×560×1710
Weight	Net	kg	79	79	79	90	160	160
	Gross	kg	90	90	90	100	175	175
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(6/8)	22.2(7/8)	22.2(7/8)
Operation Range	Cooling	°C	-15~49	-15~49/-20~24	-15~49/-20~24	-15~49/-20~24	-15~49	-15~49
	Heating	°C	-20~24	-20~24	-20~24	-20~24	-15~27	-15~27



Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB; Outdoor temperature:35°C DB/ 24°C WB.
2.Cooling Capacity (Tropical): Indoor temperature 27°C DB/19°C WB;Outdoor temperature:46.1°C DB.
3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
4.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
5.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient c onditions.
6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



יחידות פנים



- קסטת - 4 כיוונים קומפקטית
- קסטת - 4 כיוונים רחבה
- יחידה עילית
- אופקי נסתר זריקה ישירה
- אופקי נסתר לחץ סטטי בינוני
- אופקי מתועל לחץ סטטי גבוה
- יחידת אוויר צח
- יחידה רצפתית



קסטה - 4 כיוונים קומפקטית



Feature

► External control box

External control box, no need to disassemble the unit, convenient maintenance.



► Easy to remove wind blades

Thanks to the external design of the electronic control box, the fan blades can be easily removed after removing the air guide ring, making it easy for after-sales maintenance.



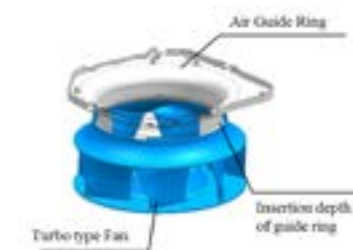
► Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



► Large air flow

Optimized structure of air guide ring, Insertion depth design of guide ring through simulation technology, Ensure large air flow, improve cooling & heating comfort .



קסטה - 4 כיוונים רחבה



Feature

► 5-fold exchanger

The evaporator adopts a 5-fold evaporator, which has a larger heat exchange area and a 12% increase in heat exchange efficiency compared to traditional 4-fold evaporators



► Round-way air supply

Round flow panel make the air diffuse from 360°direction, and the temperature distribution is more uniform.



► long distance air supply

The air supply distance reaches 4m, meeting the air supply requirements for tall spaces.



► Big air volume

Adopting a large-diameter spiral wind wheel for larger air volume and lower noise.



► Sleeping mode

Turn on sleep mode at night, no need to worry about being too cold or too hot, and sleep comfortably all night long



יחידה עילית

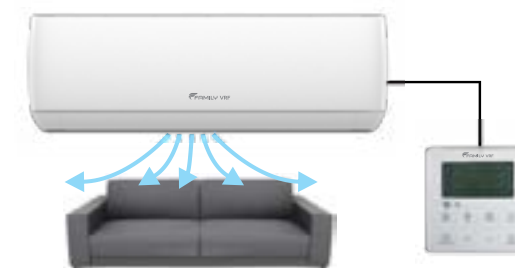
Feature

► A Variety Of Panels

A variety of panels can be chosen.

► Wired Control

Remote controller is standard, and wired controller is optional. Wired controller can be fixed on the wall to avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



► 2 Ways Draining Connection

Both left and right sides of unit are possible for drainage pipe connection, easy for installation.

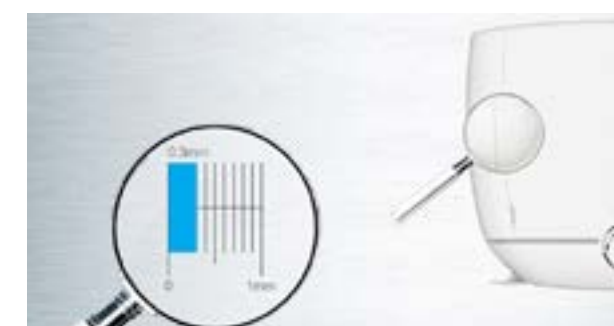


► Convenient Installation

EXV is built-in the indoor unit, compact size. Adopts new type fixing plate, stable and easy to install.

► Superb craftsmanship

0.3mm seam, appearance integration.



FEATURES

■ optional ■ standard



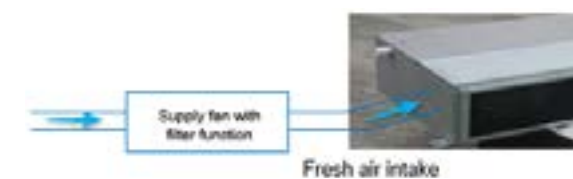
אופקי נסתר זריקה ישירה



Feature

► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



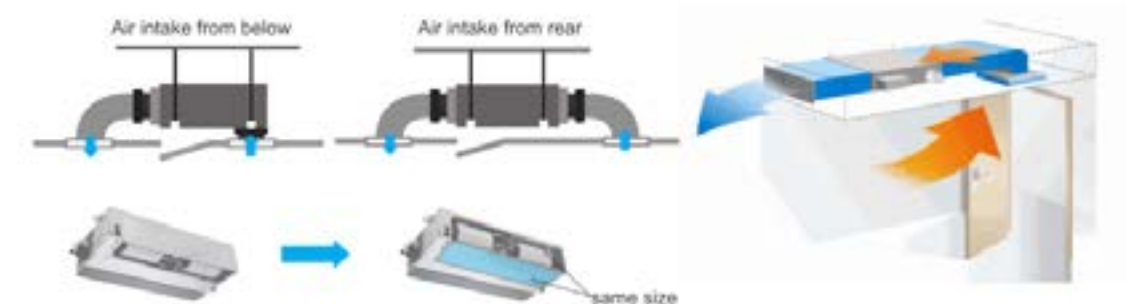
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

Two return air modes are selected (back return air and down return air), Easy to change.



► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



אופקי נסתר לחץ סטטי בינוני

Feature

► Fresh air inlet

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



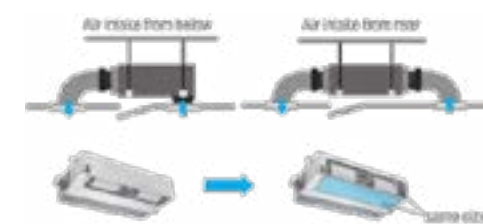
► Silent water pump

Select silent water pump to ensure different customer installation requirements.



► Two return air modes are selected

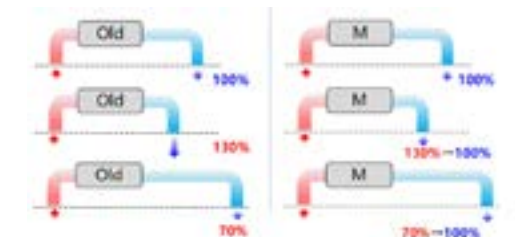
Two return air modes are selected (back return air and down return air), Easy to change.



► Constant Air Flow Volume

(only certain model support)

Under different ESP, the product supply Constant air flow volume for comfort.



► ESP meet kinds application

(Only DC models support)

Widest ESP range (0-150Pa) with possibility to change ESP by controller and meet different kinds application like apartment, villa...



► W Type High efficiency filter screen

Easy disassembly (0 Screws)

Convenient to wash

High efficiency (W type)



► Electronic control is easy to maintain

Quickly remove 1 screw from the left and right end cover. Change the direction of output line, maintenance without shielding, increase the maintenance space.



► Double drain holes

Double drainage design on the left and right side of the water plate, flexible to adapt to the installation site.



אופקי מתועל לחץ סטטי גבוה

Feature

► Changeable ESP

Max ESP can up to 250 Pa Wide changeable range (30-250 Pa) , suitable for kinds of application site.

► Multiple wind speed options(Only DC models support)

DC fan motor ,7 fan speed meet customer requirement.



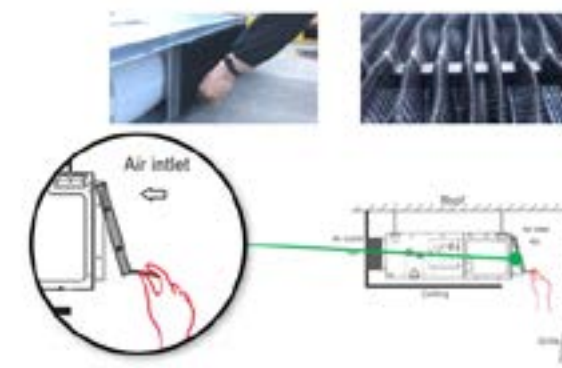
► Double drainage pan

Double drain tray design makes it easier to drain condensate



► Easy to remove air filter

New design (double drainage pan, fan assembly integration), Remove and repair from the bottom, high efficiency.



יחידת אוויר צח

Feature



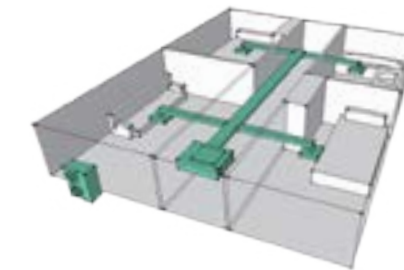
► Innovative Air Supply Technology For Excellent Room Temperature Control

Fresh air inlet design, fresh air can be introduced to ensure fresh air in the room.



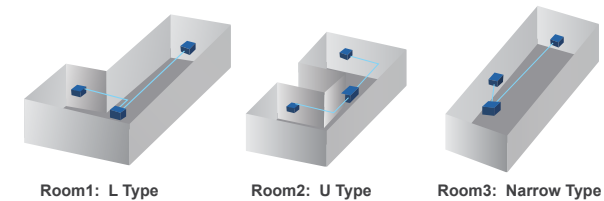
► Long Distance Air Supply

High ESP makes the air supply distance up to 50m.



► Applicable To A Variety Of Room Types

Specific ESP design can be applied to various room types easily, like rooms of L type or U type; the air outlet can be set separately from the indoor unit, so the air flow can be equally distributed even the room is in irregular structure.



קסטה - 4 כיוונים
קומפקטית



Specification-50/60Hz

Model	Indoor		F-VRF-CC1.0DC/IDU	F-VRF-CC1.3DC/IDU	F-VRF-CC1.5DC/IDU	F-VRF-CC2.0DC/IDU
Capacity	Cooling	BTU/H	9,550	12,300	15,350	19,100
	Heating	BTU/H	10,235	14,670	17,060	21,495
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	30.0	32.0	33.5	33.5
Performance	Air Flow Volume(Tu/Hi/Mid/Low)	CFM	411/394/376/335	435/411/388/347	447/435/388/352	470/447/400/364
	Noise Level(Tu/Hi/Mid/Low)	dB(A)	42/40/38/36	43/41/39/37	44/42/40/37	45/43/40/38
Dimension (WxDxH)	Net(Body)	mm	570×570×260	570×570×260	570×570×260	570×570×260
	Packing(Body)	mm	720×650×290	720×650×290	720×650×290	720×650×290
	Net(Panel)	mm	650x650x55	650x650x55	650x650x55	650x650x55
	Packing(Panel)	mm	710x710x80	710x710x80	710x710x80	710x710x80
Weight	Net/Gross(Body)	kg	15.5/18.5	15.5/18.5	15.5/18.5	15.5/18.5
	Net/Gross(Panel)	kg	2.2/3.7	2.2/3.7	2.2/3.7	2.2/3.7
Refrigerant Type			R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Side	mm(inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)



Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m,l evel difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

קסטה - 4 כיוונים
רחבה



Specification-50/60Hz

Model	Indoor		F-VRF-C1.0DC/IDU	F-VRF-C1.3DC/IDU	F-VRF-C1.5DC/IDU	F-VRF-C2.0DC/IDU	F-VRF-C2.5DC/IDU	F-VRF-C2.8DC/IDU
Capacity	Cooling	BTU/H	9,550	12,300	15,350	19,100	24,225	27,295
	Heating	BTU/H	10,235	14,670	17,060	21,495	29,000	32,415
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	40	45	50	57	57	57
Performance	Air Flow Volume(Hi/Mid/Low)	CFM	529/470/411	529/470/411	529/470/411	558/500/441	735/611/535	735/611/535
	Noise Level(Hi/Mid/Low)	dB(A)	35/32/28	35/32/28	35/32/28	35/32/28	38/34/30	38/34/30
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246	840x840x246
	Packing(Body)	mm	915×915×315	915×915×315	915×915×315	915×915×315	915×915×315	915×915×315
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross(Body)	kg	23.5/27.5	23.5/27.5	23.5/27.5	23.5/27.5	24.5/28.5	24.5/28.5
	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm(inch)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Specification-50/60Hz

Model	Indoor		F-VRF-C3.0DC/IDU	F-VRF-C3.5DC/IDU	F-VRF-C4.0DC/IDU	F-VRF-C4.4DC/IDU	F-VRF-C5.0DC/IDU
Capacity	Cooling	BTU/H	30,710	34,120	38,215	72,650	47,770
	Heating	BTU/H	34,120	38,215	44,355	47,770	54,590
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	57	120	120	120	127
Performance	Air Flow Volume(Hi/Mid/Low)	m3/h	735/611/535	1058/847/741	1058/847/741	1058/847/741	1058/847/741
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	44/42/40	44/42/40	44/42/40	46/43/41
Dimension (WxDxH)	Net(Body)	mm	840x840x246	840×840×288	840×840×288	840×840×288	840×840×288
	Packing(Body)	mm	915×915×315	915×915×355	915×915×355	915×915×355	915×915×355
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net/Gross(Body)	kg	24.5/28.5	27/31	27/31	27/31	30.5/34.5
	Net/Gross(Panel)	kg	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3	5.7/8.3
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m,l evel difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



יחידות פנים

יחידה עילית



Specification- 50/60Hz

Model	Indoor		F-VRF-WM0.8DC/IDU	F-VRF-WM1.0DC/IDU	F-VRF-WM1.3DC/IDU
Capacity	Cooling	BTU/H	7,500	9,550	12,300
	Heating	BTU/H	8,870	10,920	13,650
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	20	20	20
Performance	Air Flow Volume(Hi/Mid/Low)	CFM	305/270/235	305/270/235	305/270/235
	Noise Level(Hi/Mid/Low)	dB(A)	38/33/27	38/33/27	38/33/27
Dimension (WxHxD)	Net	mm	881x294x194	881x294x194	881x294x194
	Packing	mm	965x370x282	965x370x282	965x370x282
Weight	Net/Gross	kg	10.5/13	10.5/13	10.5/13
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Specification- 50/60Hz

Model	Indoor		F-VRF-WM1.5DC/IDU	F-VRF-WM2.0DC/IDU	F-VRF-WM2.5DC/IDU
Capacity	Cooling	BTU/H	15,350	19,100	24,225
	Heating	BTU/H	17,060	21,495	27,295
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	30	30	40
Performance	Air Flow Volume(Hi/Mid/Low)	CFM	500/441/388	500/441/388	588/529/470
	Noise Level(Hi/Mid/Low)	dB(A)	42/38/34	42/38/34	44/40/37
Dimension (WxHxD)	Net	mm	997x316x227	997x316x227	1132x330x232
	Packing	mm	1067x385x312	1067x385x312	1205x400x317
Weight	Net/Gross	kg	13.5/16.5	13.5/16.5	15.5/19
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m.I evel difference: 0m.
4.Sound level is measured 1m below the air outlet horizontally and vertically.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

אופקי נסתר
זריקה ישירה



Specification-50/60Hz

Model	Indoor		F-VRF-SD0.8DC/IDU	F-VRF-SD1.0DC/IDU	F-VRF-SD1.3DC/IDU	F-VRF-SD1.5DC/IDU	F-VRF-SD2.0DC/IDU	F-VRF-SD2.5DC/IDU
Capacity	Cooling	BTU/H	7,500	9,550	12,300	15,350	19,100	24,225
	Heating	BTU/H	8,870	10,920	13,650	17,060	21,495	27,295
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1	220~240,50(60),1
	Rated Power	W	40	40	40	90	90	110
Performance	Air Flow Volume(Hi/Mi/Lo)	CFM	282/223/194	282/223/194	294/241/205	429/347/294	429/347/294	529/417/347
	Noise Level(Hi/Mid/Low)	dB(A)	32/28/26	32/28/26	33/29/27	34/30/28	34/30/28	34/30/28
	External Static Pressure(ESP)	Pa	13(0~50)	13(0~50)	13(0~50)	13(0~50)	13(0~50)	13(0~50)
Dimension (WxDxH)	Net	mm	700x470x200	700x470x200	700x470x200	1000x470x200	1000x470x200	1300x470x200
	Packing	mm	1005×580×275	1005×580×275	1005×580×275	1305x580x275	1305x580x275	1610x580x275
Weight		kg	18.5/22	18.5/22	19/22.5	23.5/28	23.5/28	28.5/33
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)



Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB;Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m.I evel difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

אופקי נסתר
לחץ סטטי בינוני



Specification-50/60HZ

Model	Indoor		F-VRF-MD1.5DC/IDU	F-VRF-MD2.0DC/IDU	F-VRF-MD2.5DC/IDU	F-VRF-MD2.8DC/IDU	F-VRF-MD3.0DC/IDU
Capacity	Cooling	BTU/H	15,350	19,100	24,225	27,295	30,710
	Heating	BTU/H	19,100	21,495	27,295	30,710	34,120
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	110	110	125	125	150
Performance	Air Flow Volume(TuHiMid/Low)	CFM	588/541/464/411	588/541/464/411	988/794/647/558	988/794/647/558	1005/823/658/558
	Noise Level(Hi/Mid/Low)	dB(A)	39/37/35	39/37/35	40/38/36	41/39/37	41/39/37
	External Static Pressure(ESP)	Pa	50(0-150)	50(0-150)	50(0-150)	50(0-150)	50(0-150)
Dimension (WxDxH)	Net	mm	1000x700x245	1000x700x245	1000x700x245	1000x700x245	1000x700x245
	Packing	mm	1230*830*300	1230*830*300	1230*830*300	1230*830*300	1230*830*300
Weight	Net/Gross	kg	30/36	30/36	30/36	30/36	32/38
Pipe Diameter	Liquid Side	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Specification-50/60HZ

Model	Indoor		F-VRF-MD3.5DC/IDU	F-VRF-MD4.0DC/IDU	F-VRF-MD4.5DC/IDU	F-VRF-MD5.0DC/IDU	F-VRF-MD5.4DC/IDU	F-VRF-MD5.8DC/IDU
Capacity	Cooling	BTU/H	34,120	38,215	42,650	47,770	51,180	54,590
	Heating	BTU/H	38,215	42,650	47,770	54,590	58,000	61,415
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	150	230	230	230	250	250
Performance	Air Flow Volume(TuHiMid/Low)	CFM	1005/823/658/558	1352/1117/941/823	1352/1117/941/823	1352/1117/941/823	1411/1176/1000/882	1411/1176/1000/882
	Noise Level(Hi/Mid/Low)	dB(A)	42/40/38	44/42/40	44/42/40	44/42/40	45/43/41	44/42/40
	External Static Pressure(ESP)	Pa	50(0-150)	50(0-150)	50(0-150)	50(0-150)	50(0-150)	50(0-150)
Dimension (WxDxH)	Net	mm	1000x700x245	1400×700×245	1400×700×245	1400×700×245	1400×700×245	1400×700×245
	Packing	mm	1230*830*300	1630x830x300	1630x830x300	1630x830x300	1630x830x300	1630x830x300
Weight	Net/Gross	kg	32/38	41/48	41/48	41/48	41/48	41/48
Pipe Diameter	Liquid Side	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/ 19°C WB;Outdoor temperature:35°C DB/ 24°C WB.
2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.



יחידות פנים

אופקי מתועל לחץ סטטי גבוה



Specification-50Hz

Model	Indoor		F-VRF-HD4.0AC/IDU	F-VRF-HD4.5AC/IDU	F-VRF-HD5.0AC/IDU	F-VRF-HD5.4AC/IDU
Capacity	Cooling	BTU/H	38,215	42,650	47,770	51,180
	Heating	BTU/H	43,675	45,380	51,180	54,590
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	600	600	600	600
Performance	Air Flow Volume(Hi/Mid/Low)	CFM	1176/941/823	1176/941/823	1176/941/823	1176/941/823
	Noise Level(Hi/Mid/Low)	dB(A)	60/57/51	60/57/51	60/57/51	60/57/51
	External Static Pressure(ESP)	Pa	196	196	196	196
Dimension (WxDxH)	Net	mm	1200x719x380	1200x719x380	1200x719x380	1200x719x380
	Packing	mm	1235x760x415	1235x760x415	1235x760x415	1235x760x415
Weight	Net/Gross	kg	56/59	56/59	56/59	56/59
Pipe Diameter	Liquid Side	mm(inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas Side	mm(inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Specification-50/60Hz

Model	Indoor		F-VRF-HD8.0DC/IDU	F-VRF-HD10.0DC/IDU
Capacity	Cooling	BTU/H	76,400	95,500
	Heating	BTU/H	85,300	107,480
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	1200	1200
Performance	Air Flow Volume	CFM	2588	2588
	Noise Level	dB(A)	57	57
	External Static Pressure(ESP)	Pa	170(30-250)	170(30-250)
Dimension (WxDxH)	Net	mm	1388x715x480	1388x715x480
	Packing	mm	1540x810x610	1540x810x610
Weight	Net/Gross	kg	99/120	99/120
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)
	Drainage	mm	OD33.5	OD33.5

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/ 28°C WB.
2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, I evel difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

יחידת אוויר צח



Specification-50/60Hz

Model	Indoor		F-VRF-FA8.0DC/IDU	F-VRF-HD10.0DC/IDU
Capacity	Cooling	BTU/H	76,400	95,500
	Heating	BTU/H	61,415	75,060
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	900	900
Performance	Air Flow Volume	CFM	1880	1880
	Noise Level	dB(A)	55	55
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1388×715×480	1388×715×480
	Packing	mm	1540×810×610	1540×810×610
Weight	Net/Gross	kg	99/120	99/120
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)
	Drainage	mm	OD33.5	OD33.5

Specification-50/60Hz

Model	Indoor		F-VRF-FA16.0AC/IDU	F-VRF-FA20.0AC/IDU
Capacity	Cooling	BTU/H	153,540	191,100
	Heating	BTU/H	168,895	209,840
Electric Data	Power Supply	V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3
	Rated Power	W	1520	1520
Performance	Air Flow Volume	CFM	2350	2940
	Noise Level	dB(A)	57	59
	External Static Pressure(ESP)	Pa	220	220
Dimension (WxDxH)	Net	mm	1820×990×855	2115×990×855
	Packing	mm	1935×1025×1015	2225×1025×1015
Weight	Net/Gross	kg	150/170	225/255
Pipe Diameter	Liquid Side	mm(inch)	12.7x2(2x1/2)	12.7x2(2x1/2)
	Gas Side	mm(inch)	22.2x2(2x7/8)	22.2x2(2x7/8)
	Drainage	mm	DN25	DN25

Notes:
1.Cooling Capacity: Outdoor temperature 35°C DB/28°C WB.
2.Heating Capacity: Outdoor temperature 7°C DB/6°C WB.
3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
4.Sound level is measured at 1.4m below the unit.
5.The above design and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
Connection Conditions:
When only outdoor-air processing units are connected, the total capacity of the outdoor-air processing units must be within 50%~100% of the outdoor units.
When outdoor-air processing units and other type indoor units are connected, the total capacity of the outdoor-air processing units must not exceed 30% of the outdoor units.

יחידה רצפתית



Specification-50/60Hz

Model	Indoor		F-VRF-CF1.5DC/IDU	F-VRF-CF2.0DC/IDU	F-VRF-CF2.5DC/IDU
Capacity	Cooling	BTU/H	15,350	19,100	24,225
	Heating	BTU/H	17,060	21,495	27,295
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1
	Rated Power	W	40	40	40
Performance	Air Flow Volume (Tu/Hi/Mid/Low/Si)	CFM	552/526/411/382/352	552/526/411/382/352	552/526/411/382/352
	Noise Level(Tu/Hi/Mi/Lo/Si)	dB(A)	42/41/38/37/36	42/41/38/37/36	42/41/38/37/36
Dimension (W×D×H)	Net	mm	1000×690×235	1000×690×235	1000×690×235
	Packing	mm	1080×770×325	1080×770×325	1080×770×325
Weight	Net	kg	29/33.5	29/33.5	29/33.5
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

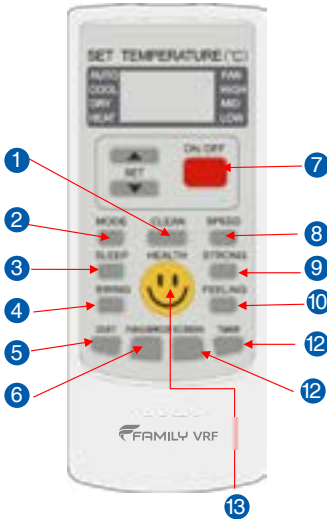
Specification-50/60Hz

Model	Indoor		F-VRF-CF2.8DC/IDU	F-VRF-CF3.2DC/IDU	F-VRF-CF4.0DC/IDU	F-VRF-CF4.5DC/IDU	F-VRF-CF5.0DC/IDU
Capacity	Cooling	BTU/H	27,295	30,710	38,215	42,650	47,770
	Heating	BTU/H	30,710	37,530	43,675	47,770	54,590
Electric Data	Power Supply	V~,Hz,Ph	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1	220-240V,50/60,1
	Cooling/Heating Power Input	W	70	70	120	120	120
Performance	Air Flow Volume (Tu/Hi/Mid/Low/Si)	CFM	764/732/600/547/494	764/732/600/547/494	1200/1111/1023/917/847	1200/1111/1023/917/847	1200/1111/1023/917/847
	Noise Level(Tu/Hi/Mi/Lo/Si)	dB(A)	43/42/39/38/37	43/42/39/38/37	50/49/45/43/41	50/49/45/43/41	50/49/45/43/41
Dimension (W×D×H)	Net	mm	1280×690×235	1280×690×235	1600×690×235	1600×690×235	1600×690×235
	Packing	mm	1360×770×325	1360×770×325	1680×770×325	1680×770×325	1680×770×325
Weight	Net/Gross	kg	35.5/41	35.5/41	42/49	42/49	42/49
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)

Notes:
1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature:35°C DB/24°C WB.
2.Heating Capacity:Indoor temperature 20°C DB;Outdoor temperature:7°C DB/6°C WB.
3.Piping Length:Equivalent piping length: 7.5m ,level difference: 0m.
4.Floor standing:Sound level is measured 1m from air-outlet in horizontal distance, 1m above the floor in vertical distance.
5.Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance,1m from air-outlet in vertical distance.
6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

בקר אלחוטי

F-RCTH



- 1 Clean Function
- 2 Mode Setting AUTO/COOL/DRY/HEAT/FAN
- 3 Sleep Function
- 4 Up and down wind
- 5 No Function
- 6 Anti-fungus Function
- 7 ON/OFF
- 8 Fan Speed Setting HIGH/MED/LOW/AUTO
- 9 Strong Wind
- 10 I Feel Function
- 11 Timer On/Off
- 12 LED Display On/Off
- 13 Health Function

Function

- Background light
The background light allows users to operate the device in a dark room. The device lights up when a button is pressed, and turns off when a given operation is completed.
- Addresses setting
Besides the machine's auto addressing function, users can set the indoor unit's address on the remote controller YK-L.

Specifications

Model	F-RCTL	F-RCTK
Dimesion (WxHxD) (mm)	52x160x25(max)	50x140x28.5(max)
Power(V)	3V(1.5V×2)	3V(1.5V×2)

בקר קירי חוטי

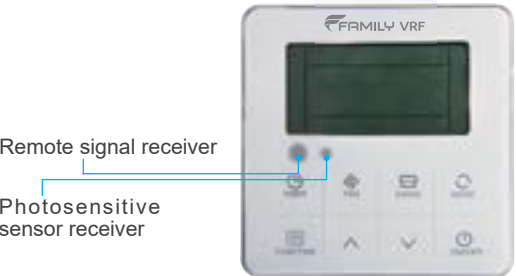


F-WC05

Function

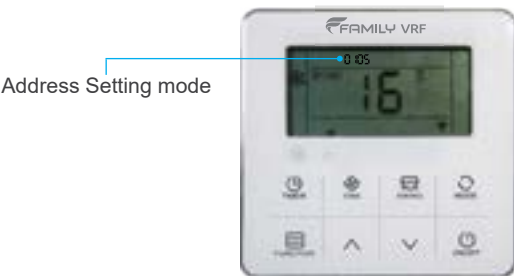
Built-In Remote Signal Receiver

A signal receiver is built-in the remote controller. Signal from remote controller can be received by wired controller, so the system status could be adjusted using a remote controller.



Addresses Setting

The address setting function is coupled with easy installation and simple future maintenance. Service personnel can set the address for the indoor unit using XK-05A.



Follow Me

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wired controller, rather temperature sensor in the indoor unit itself, so the temperature is measured closer to the user, rather than at the ceiling or floor height.



Built-in Timer

The built-in daily timer allows the systems automatically start and stop according to user-defined time setting.



Indoor unit set to stop in 0.5 hours.

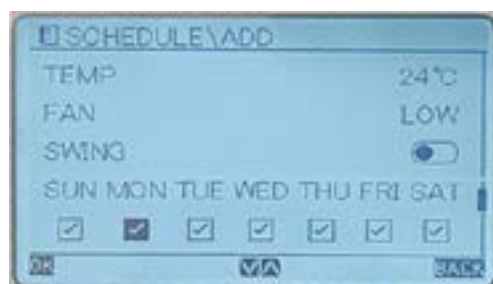


F-WC06

► New Features

Weekly timer function

Easy setting of weekly running status



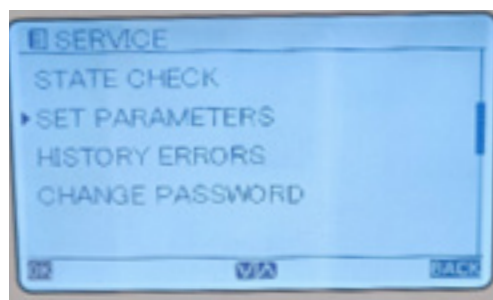
Display room temp (Optional)

Accurately display room temperature



Parameter Setting

Simple and convenient setting of parameter



History errors

Simple and quick search of history errors



► Features

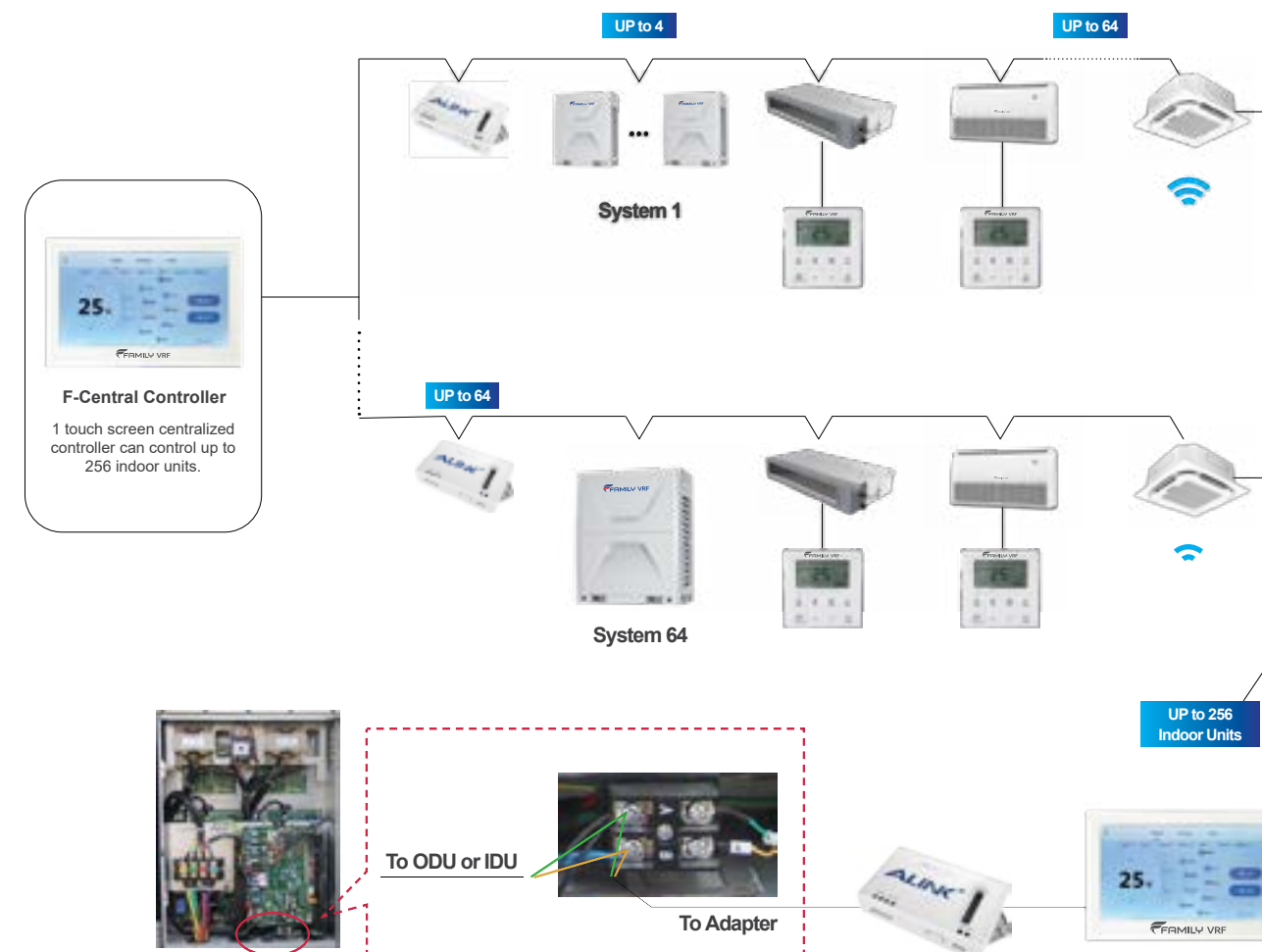
Specifications

Model	F-WC06
Dimension (WxHxD) (mm)	120×120×20
Power Supply(V)	DC 12V by IDU

בקר מרכזי

► Central controller & connection(produced before 2023.6.30)

The centralized controllers could be connected directly to the master outdoor unit or any indoor unit of each system .so it significantly simply wiring configuration.

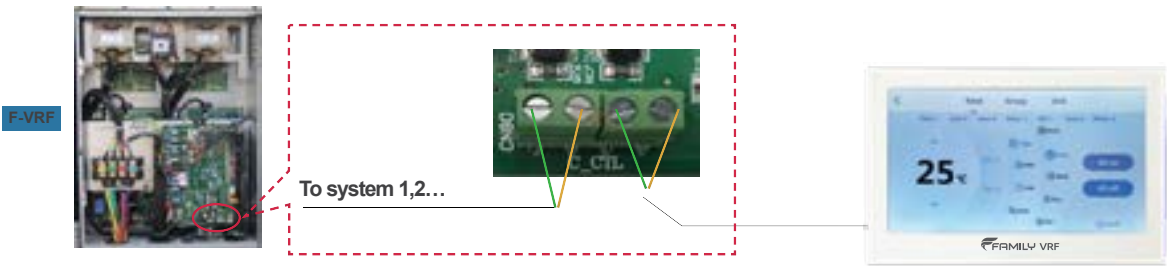
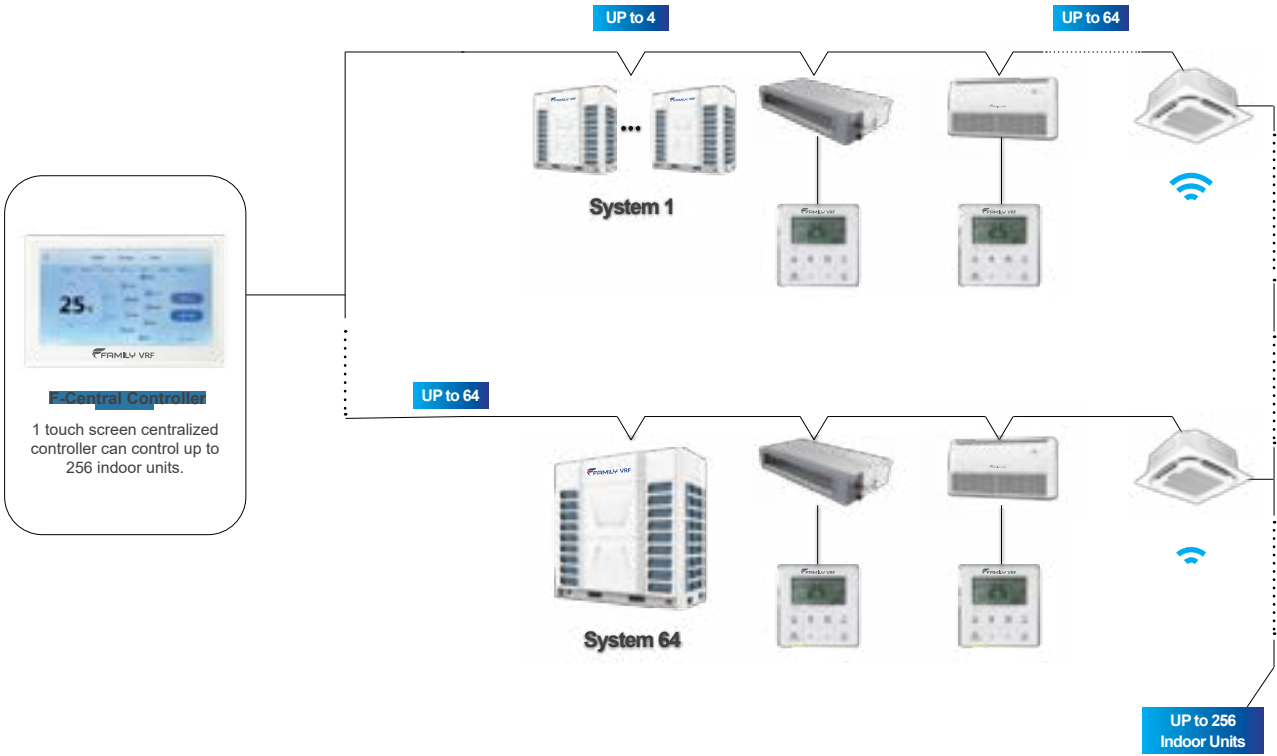


Main Components of Centralized Controller

Model	F-Central Controller	CM-MTD/AM01
Dimension(W×H×D) (mm)	176×116×12 (Outside the wall) 120×60×25 (Inside the wall)	127 ×65.8×20.8mm
Power supply	AC 180-240V (50/60Hz)	DC 12V

► Central controller & connection (produced after 2023.6.30)

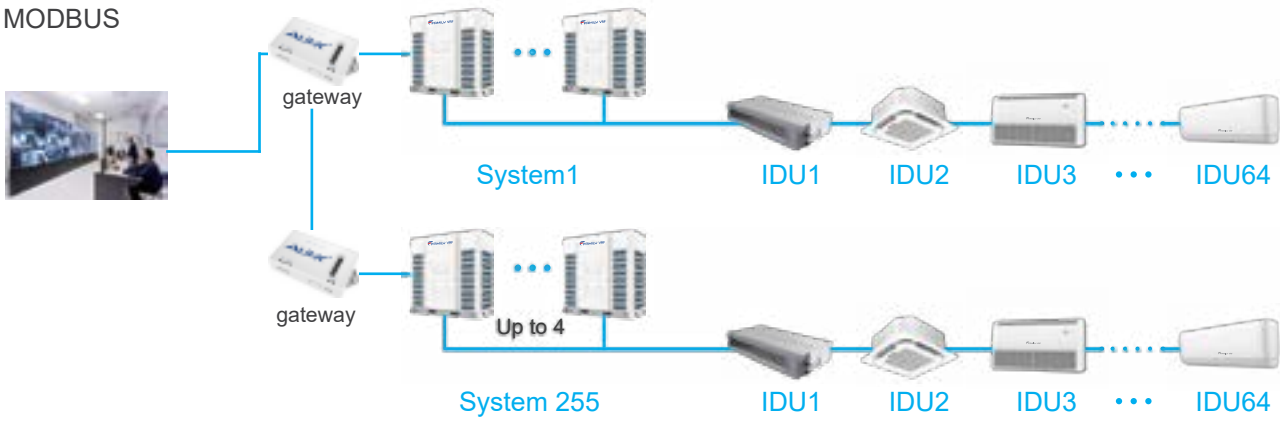
Meet different air solution for kinds of application sites.



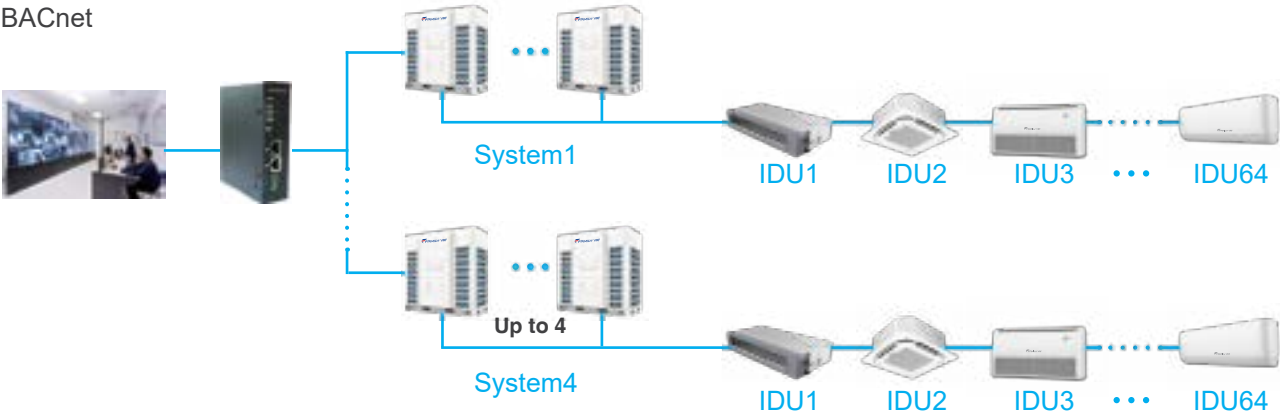
Notes:
It needs to set C9 and C10 parameters. For details, please contact FAMILY VRF Technical Engineers

אביזרים לבקרת מבנה

► Overall Structure



Notes:
The master outdoor unit can also directly connect to MODBUS without mini gateway.
For details, please contact FAMILY VRF Technical Engineers



Model	CM-MTD/AM01	Bacnet gateway
Dimension(W×H×D)mm	127 ×65.8×20.8	115×35×135
Power supply	DC 12V	DC 24V,7W
Feature	Max.255	Unlimited(HUB)

מערכת חיבור Wi-Fi

► Schematic Diagram



► Features

1. FAMILY VRF air conditioner can connect to intelligent terminal through WIFI or GPRS network, customers can enjoy fun and convenience of remote control the AC via iphone, ipad and other mobile terminals(Android and IOS) at anytime and anywhere.
2. The function of software on Mobile terminal includes mode control,temperature control, swing control, timing control.
3. Customers can set schedule to plan their day, also the scene mode can be set conveniently.

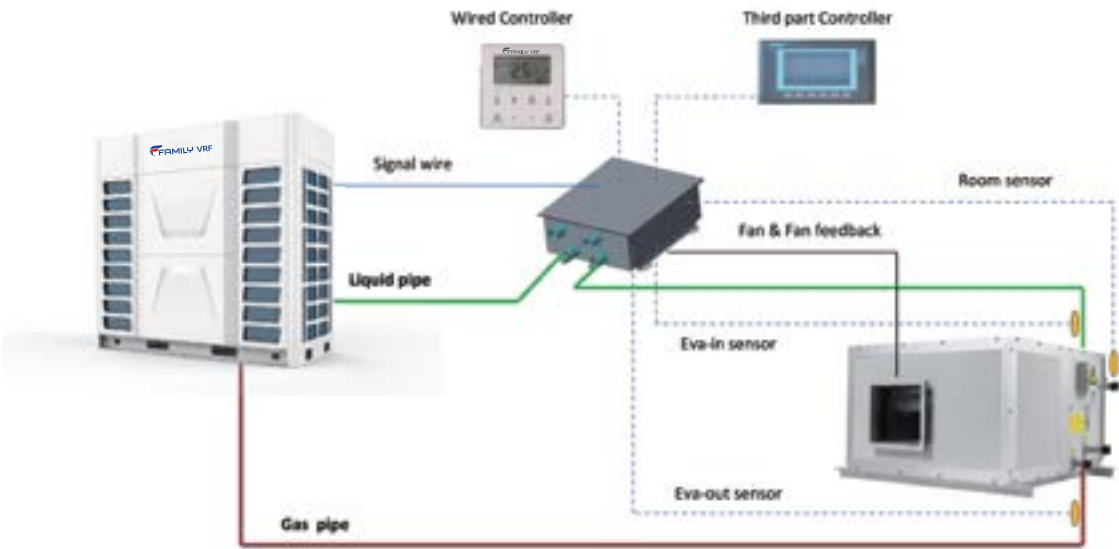
קיט אביזרים ליט"אות



Model	Net Dimension (W×D×H)mm	Packing Dimension (W×D×H)mm	Net Weight (kg)	Gross Weight (kg)	AHU capacity(T.R)	DX coil volume (min-max)dm³	Reference air volume(CFM)	Power supply
F-VRF-DX/AHU1	573×447×180	655×525×250	11.5	14.5	3.2-4	2.1-2.6	1180	220-240V,50,1
					4-5.12	2.6-3.3	1350	
					5.2-5.6	3.3-3.7	1600	
					5.7-7.12	3.7-4.6	1750	
					7.15-8.5	4.6-5.5	2235	
F-VRF-DX/AHU2	573×447×180	655×525×250	12	15	9-10.25	5.5-6.6	2650	
					10.5-11.4	6.6-7.4	3235	
					11.5-12.8	7.4-8.3	3530	
					13-14.2	8.3-9.2	4120	
					14.5-16	9.2-10.3	4700	

Remarks: applicable to MINI VRF (capacity ≥ 3.4 TR)

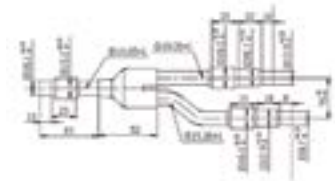
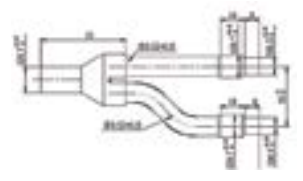
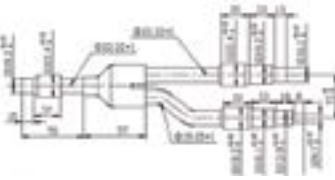
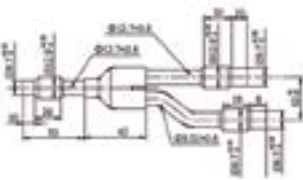
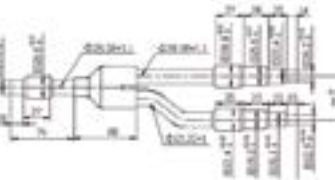
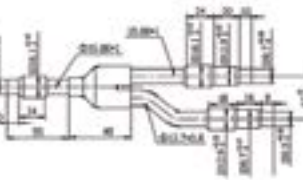
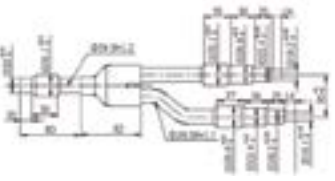
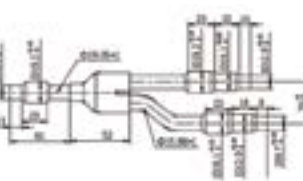
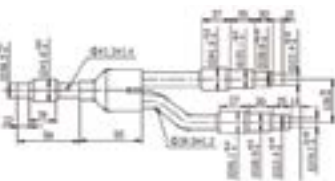
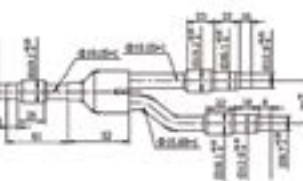
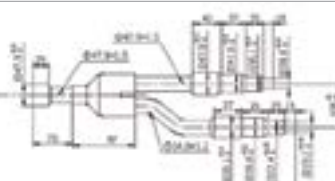
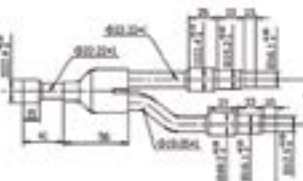
► Single AHU connection



Above diagram suitable for factory default control, 0-10V(temperature control), 0-10V(pressure control)



מפצלי צנרת

Model	Appearance	Dimension	
		Gas side joints	Liquid side joints
Y-BRANCH-00H			
Y-BRANCH-12H			
Y-BRANCH-24H			
Y-BRANCH-34H			
Y-BRANCH-50H			
Y-BRANCH-64H			

Model	Packing Dimension(mm)	Net Weight/Gross Weight(kg)
Y-BRANCH-00H	300x95x40	0.31/0.35
Y-BRANCH-12H	330x100x40	0.44/0.49
Y-BRANCH-24H	370x115x45	0.71/0.77
Y-BRANCH-34H	440x140x50	1.11/1.20
Y-BRANCH-50H	480x160x65	1.65/1.76
Y-BRANCH-64H	480x160x65	1.88/1.98

A*: The total capacity of indoor units which is connected to this branch joint





FAMILY VRF

נשמח לעמוד לרשותכם!



שרות לקוחות:

1-700-55-00-66

*8012



טל': 09-7400401

פקס: 09-7400501



054-6111582



פמלי מוצרי צריכה בע"מ

רח' הסדנא 11, קרית אתגרים, רעננה



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