



Inverter Multi Systems | 38VNM

FEATURES

Carrier's multi system will deliver the ultimate cooling and heating comfort with the maximum flexibility.

DC Inverter Technology with Twin Rotary compressor and DC fan motor for quieter and economical operation.

One outdoor unit can serve up to 4 indoor units for all possible indoor combination.

Individual control of the indoor units.

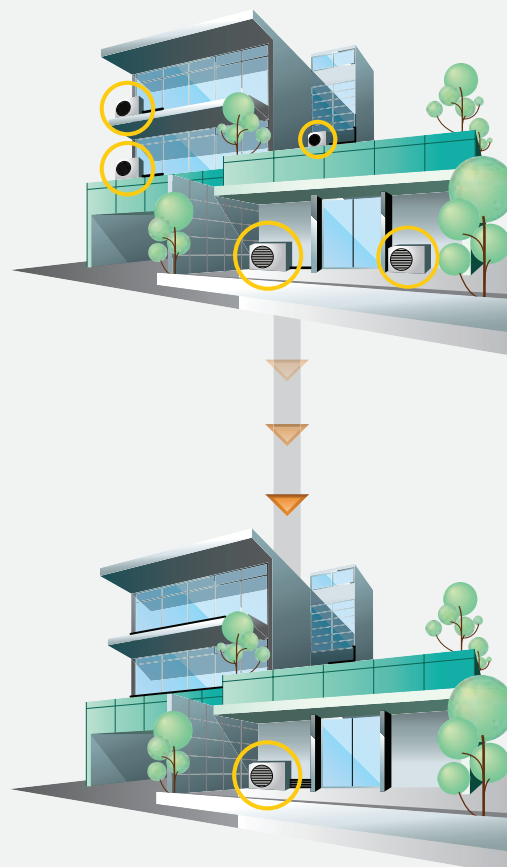
Light weight and compact.

Wide operation range.

Long piping design for wide choice of installation sites.

Intelligent anti-cold-air function.

Low ambient operation kit.



TECHNICAL SPECIFICATIONS

OUTDOOR UNITS

Outdoor Model			38VNM218713		38VNM327713			38VNM436713			
Indoor unit combination			Single (1)	Double (2)	Single (1)	Double (2)	Triple (3)	Single	Double	Triple (3)	Quadruple (4)
Cooling											
Capacity		Btu/h	7.000~18.000	18.000	7.000~18.000	14.000~26.000	27.000	7.000~18.000	14.000~26.000	21.000~36.000	36.000
Input		W	650-1600	1600	750~1700	1400~2350	2470	1250~1700	1650~2320	2150~3520	3280
Rated current		A	2.8~7.0	7.0	3.3~7.4	6.1~10.2	10.8	5.4~7.4	7.2~10.1	9.3~15.3	14.3
EER		W/W	/	3.29	/	/	3.21	/	/	/	3.22
SEER		W/W	6.3		7.0			5.8			
Energy Efficiency Class			A++		A++			A+			
Heating											
Capacity		Btu/h	8.000~20.000	21.000	8.000~20.000	16.000~29.000	30.000	8.000~20.000	16.000~29.000	24.000~40.000	41.000
Input		W	620-1680	1700	720~1750	1520~2250	2380	1570~2440	2050~3340	2880~3540	3330
Rated current		A	2.7~7.3	7.4	3.2~7.7	6.6~9.8	10.3	6.8~10.6	8.9~14.5	12.5~15.4	14.5
COP		W/W	/	3.62	/	/	3.69	/	/	/	3.61
SCOP		W/W	4.1		3.9			3.8			
Energy Efficiency Class			A+		A			A			
Max. input consumption		W	3200		3600			4800			
Max. input current		A	14.5		16.5			21.5			
Compressor Type			Twin-rotary		Twin-rotary			Twin-rotary			
Outdoor air flow		m3/h	2500		3500			5500			
Sound pressure level		dB(A)	61		61			64			
Sound power level		dB(A)	63		67			67			
Dimension (WxDxH)		mm	845x320x700		900x315x860			990x345x965			
Net weight		kg	48		62			78			
Refrigerant			R410A		R410A			R410A			
Refrigerant piping											
Liquid side- Gas side		inch	2 x 1/4"-3/8"		3 x 1/4"-3/8"			4 x 1/4"- 3/8"			
Max. length for all rooms		m	30		45			60			
Max. length for one indoor unit		m	20		25			30			
Max. height difference between indoor and outdoor unit	OU higher than IU	m	10		10			10			
	OU lower than IU	m	15		15			15			
Max. height difference between indoor units		m	10		10			10			
Ambient temperature	Cooling	℃	-15~50		-15~50			-15~50			
	Heating	℃	-15~24		-15~24			-15~24			
Power supply		V-Hz-Ph	220-240V~ 50Hz, 1Ph		220-240V~ 50Hz, 1Ph			220-240V~ 50Hz, 1Ph			

Note: The values given in the table for the noise level reflect the levels in hemi-anechoic rooms.

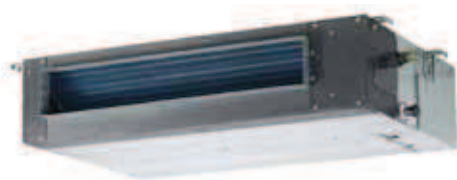




Hi-Wall		42HVF-09	42HVF-12	42HVF-18
Rated Cooling capacity	(Btu/h-(kW)	9.500-2,78	11.000-3.22	17.000-4.98
Rated Heating capacity	(Btu/h-(kW)	9.000-2.64	11.000-3.22	18.000-5.28
Air Flow Volume (H/M/L)	(m3/h)	630/540/440	630/540/440	730/480/400
Sound Power Noise Level (H)	dB(A)	58	57	55
Net Dimension (WxHxD)	(mm)	800x275x188	800x275x188	940x275x205
Net Weight	(kg)	7	7	9
Piping Size (Liquid-Gas)	(inch)	1/4-3/8	1/4-3/8	1/4-1/2
Power Supply	(V~,Hz,Ph)	220-240,50,1	220-240,50,1	220-240,50,1



Compact Round Flow Cassette		42CVS-09	42CVS-12	42CVS-18
Rated Cooling capacity	(Btu/h/(kW)	9.000/2.64	12.000/3.52	18.000/5.3
Rated Heating capacity	(Btu/h/(kW)	10.000/3.2	12.000/3.52	20.000/5.8
Air Flow Volume (H)	(m3/h)	680	680	680
Sound Power Noise Level (H)	dB(A)	53	53	53
Net Dimension (WxHxD)	(mm)	570x260x570	570x260x570	570x260x570
Panel (WxHxD)	(mm)	647x50x647	647x50x647	647x50x647
Net Weight (Body/Panel)	(kg)	17/3	17/3	17/3
Piping Size (Liquid-Gas)	(inch)	1/4-3/8	1/4-3/8	1/4-1/2
Power Supply	(V~,Hz,Ph)	220-240,50,1	220-240,50,1	220-240,50,1



Ducted		42SVM-09	42SVM-12	42SVM-18
Rated Cooling capacity	(Btu/h/(kW)	9.000/2.64	12.000/3.52	18.000/5.3
Rated Heating capacity	(Btu/h/(kW)	10.000/2.93	13.000/3.81	20.000/5.8
Air Flow Volume (H)	(m3/h)	700	700	1000
Sound Power Noise Level (H)	dB(A)	55	55	56
Static Pressure	(Pa)	40	40	40
Net Dimension (WxHxD)	(mm)	700x210x635	700x210x635	920x210x635
Net Weight	(kg)	19.5	19.5	23
Piping Size (Liquid-Gas)	(inch)	1/4-3/8	1/4-3/8	1/4-1/2
Power Supply	(V~,Hz,Ph)	220-240,50,1	220-240,50,1	220-240,50,1

TECHNICAL SPECIFICATIONS

COMBINATIONS

38VNM218713	Combination		Nominal Capacity (Btu/h)		
	A	B	Total	A	B
1 unit	9	-	9.000	9.000	-
	12	-	12.000	12.000	-
	18	-	18.000	18.000	-
2 units	9	9	18.000	9.000	9.000
	9	12	18.000	7.714	10.286
	9	18	18.000	6.000	12.000
	12	12	18.000	9.000	9.000

38VNM327713	Combination			Nominal Capacity (Btu/h)			
	A	B	C	Total	A	B	C
1 unit	9	-	-	9.000	9.000	-	-
	12	-	-	12.000	12.000	-	-
	18	-	-	18.000	18.000	-	-
2 units	9	9	-	18.000	9.000	9.000	-
	9	12	-	21.000	9.000	12.000	-
	9	18	-	27.000	9.000	18.000	-
	12	12	-	24.000	12.000	12.000	-
	12	18	-	27.000	10.800	16.200	-
3 units	9	9	9	27.000	9.000	9.000	9.000
	9	9	12	27.000	8.100	8.100	10.800
	9	12	12	27.000	7.364	9.818	9.818

38VNM327713	Combination				Nominal Capacity (Btu/h)				
	A	B	C	D	Total	A	B	C	D
1 unit	9	-	-	-	9.000	9.000	-	-	-
	12	-	-	-	12.000	12.000	-	-	-
	18	-	-	-	18.000	18.000	-	-	-
2 units	9	9	-	-	18.000	9.000	9.000	-	-
	9	12	-	-	21.000	9.000	12.000	-	-
	9	18	-	-	27.000	9.000	18.000	-	-
	12	12	-	-	24.000	12.000	12.000	-	-
	12	18	-	-	27.000	10.800	16.200	-	-
3 units	9	9	9	-	27.000	9.000	9.000	9.000	-
	9	9	12	-	27.000	8.100	8.100	10.800	-
	9	12	12	-	27.000	7.364	9.818	9.818	-
4 units	9	9	9	9	36.000	9.000	9.000	9.000	9.000
	9	9	9	12	36.000	8.308	8.308	8.308	11.077
	9	9	9	18	36.000	7.200	7.200	7.200	14.400
	9	9	12	12	36.000	7.714	7.714	10.286	10.286
	9	9	12	18	36.000	6.750	6.750	9.000	13.500
	9	12	12	12	36.000	7.200	9.600	9.600	9.600
	9	12	12	18	36.000	6.353	8.471	8.471	12.706
	12	12	12	12	36.000	9.000	9.000	9.000	9.000