NŌRDEN®

VC MAX SERIES VRF

Specifications



VC Max VRF 60Hz

NORDEN

Capacity (HP)	Capacity (BTU/H)	Model Name	Combination Type
8HP	76160 BTU/H	NVC-M076WV2WN1	/
10HP	95200 BTU/H	NVC-M096WV2WN1	/
12HP	113900 BTU/H	NVC-M120WV2WN1	/
14HP	136000 BTU/H	NVC-M136WV2WN1	/
16HP	153000 BTU/H	NVC-M150WV2WN1	/
18HP	170000 BTU/H	NVC-M170WV2WN1	/
20HP	190400 BTU/H	NVC-M190WV2WN1	/
22HP	209100 BTU/H	NVC-M210WV2WN1	/
24HP	227800 BTU/H	NVC-M230WV2WN1	/
26HP	248200 BTU/H	NVC-M250WV2WN1	/
28HP	266900 BTU/H	NVC-M270WV2WN1	/
30HP	289000 BTU/H	NVC-M290WV2WN1	/
32HP	306000 BTU/H	NVC-M300WV2WN1	16HP+16HP
34HP	323000 BTU/H	NVC-M320WV2WN1	10HP+24HP
36HP	342700 BTU/H	NVC-M340WV2WN1	12HP+24HP
38HP	364900 BTU/H	NVC-M360WV2WN1	14HP+24HP
40HP	380800 BTU/H	NVC-M380WV2WN1	16HP+24HP
42HP	404100 BTU/H	NVC-M400WV2WN1	14HP+28HP
44HP	426300 BTU/H	NVC-M425WV2WN1	14HP+30HP
46HP	442000 BTU/H	NVC-M440WV2WN1	16HP+30HP
48HP	456900 BTU/H	NVC-M460WV2WN1	24HP+24HP
50HP	480800 BTU/H	NVC-M480WV2WN1	20HP+30HP
52HP	498100 BTU/H	NVC-M500WV2WN1	22HP+30HP
54HP	518300 BTU/H	NVC-M515WV2WN1	24HP+30HP
56HP	533800 BTU/H	NVC-M535WV2WN1	26HP+30HP
58HP	555900 BTU/H	NVC-M555WV2WN1	28HP+30HP
60HP	578000 BTU/H	NVC-M580WV2WN1	30HP+30HP
62HP	595000 BTU/H	NVC-M600WV2WN1	16HP+16HP+30HP
64HP	617200 BTU/H	NVC-M615WV2WN1	14HP+20HP+30HP
66HP	634300 BTU/H	NVC-M630WV2WN1	16HP+20HP+30HP
68HP	654700 BTU/H	NVC-M650WV2WN1	14HP+24HP+30HP
70HP	671800 BTU/H	NVC-M670WV2WN1	16HP+24HP+30HP
72HP	693900 BTU/H	NVC-M690WV2WN1	14HP+28HP+30HP
74HP	708900 BTU/H	NVC-M710WV2WN1	16HP+28HP+30HP
76HP	731000 BTU/H	NVC-M730WV2WN1	16HP+30HP+30HP
78HP	746800 BTU/H	NVC-M745WV2WN1	24HP+24HP+30HP
80HP	770700 BTU/H	NVC-M770WV2WN1	20HP+30HP+30HP
82HP	787100 BTU/H	NVC-M790WV2WN1	22HP+30HP+30HP
84HP	808200 BTU/H	NVC-M800WV2WN1	24HP+30HP+30HP
86HP	828600 BTU/H	NVC-M825WV2WN1	26HP+30HP+30HP
88HP	844900 BTU/H	NVC-M850WV2WN1	28HP+30HP+30HP
90HP	867000 BTU/H	NVC-M870WV2WN1	30HP+30HP+30HP

1 Specifications

8-14HP

Table 2-1.1: 8-14HP specifications

HP			8	10	12	14
Model name			NVC-M076WV2WN1	NVC-M096WV2WN1	NVC-M120WV2WN1	NVC-M136WV2WN1
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	22.4	28.0	33.5	40.0
		kBtu/h	76.4	95.5	114.2	136.4
	Power input	kW	4.78	6.68	8.70	9.80
	EER		4.69	4.19	3.85	4.08
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		13	16	19	23
Compressor	Type		DC Inverter			
	Quantity		1			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1			
	Motor output	kW	0.56			0.92
	Airflow rate	m^3/h	12600	12600	13500	15600
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	7.4	7.4	7.4	8.4
Pipe connections[2]	Liquid pipe	mm	Φ12.7			Φ15.9
	Gas pipe	mm	Φ25.4			Φ28.6
Sound pressure level[3]		dB(A)	57	58	60	
Net dimensions (W×H×D)		mm	940×1760×825			
Packed dimensions (W×H×D)		mm	1010×1945×890			
Net weight		kg	190			200
Gross weight		kg	205			215
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:
1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those of the unit's stop valve.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

16-22HP

Table 2-1.2: 16-22HP specifications

HP			16	18	20	22
Model name			NVC-M150WV2WN1	NVC-M170WV2WN1	NVC-M190WV2WN1	NVC-M210WV2WN1
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.5	191.0	209.7
	Power input	kW	11.72	13.19	15.14	17.08
	EER		3.84	3.79	3.70	3.60
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		26	29	33	36
Compressor	Type		DC Inverter			
	Quantity		1	2		
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		1	2		
	Motor output	kW	0.92	0.56+0.56		
	Airflow rate	m^3/h	15600	20500	20500	20500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4	12.8	12.8	12.8
Pipe connections[3]	Liquid pipe	mm	Φ15.9	Φ22.2		
	Gas pipe	mm	Φ28.6	Φ31.8		
Sound pressure level[3]		dB(A)	61	62	63	
Net dimensions (W×H×D)		mm	940×1760×825	1340×1760×825		
Packed dimensions (W×H×D)		mm	1010×1945×890	1410×1945×890		
Net weight		kg	200	315		
Gross weight		kg	215	335		
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:
1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor air temperature 20°C DB; outdoor air temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those of the unit's stop valve.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

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24-30HP

Table 2-1.3: 24-30HP specifications

HP			24	26	28	30
Model name			NVC-M230WV2WN1	NVC-M250WV2WN1	NVC-M270WV2WN1	NVC-M290WV2WN1
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	67.0	73.0	78.5	85.0
		kBtu/h	228.5	248.9	267.7	289.9
	Power input	kW	19.14	18.91	21.81	25.84
	EER		3.50	3.86	3.60	3.29
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		39	43	46	50
Compressor	Type		DC Inverter			
	Quantity		2			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		2			
	Motor output	kW	0.56+0.56			
	Airflow rate	m^3/h	21000	21500	21500	21500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	12.8	15.4	15.4	15.4
Pipe connections[2]	Liquid pipe	mm	Φ22.2			
	Gas pipe	mm	Φ31.8			
Sound pressure level[3]		dB(A)	64			
Net dimensions (W×H×D)		mm	1340×1760×825			
Packed dimensions (W×H×D)		mm	1410×1945×890			
Net weight		kg	315	330		
Gross weight		kg	335	350		
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those of the unit's stop valve.
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

32-38HP

Table 2-1.4: 32-38HP specifications

HP			32	34	36	38
Model name (Combination unit)			NVC-M300WV2WN1	NVC-M320WV2WN1	NVC-M340WV2WN1	NVC-M360WV2WN1
Combination type			16HP+16HP	10HP+24HP	12HP+24HP	14HP+24HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	90.0	95.0	100.5	107.0
		kBtu/h	306.9	324.0	342.7	364.9
	Power input	kW	23.4	25.9	28.0	29.1
	EER		3.85	3.67	3.59	3.68
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		53	56	59	62
Compressor	Type		DC Inverter			
	Quantity		2	3		
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		2	3		
	Motor output	kW	0.92×2	0.56+(0.56+0.56)		0.92+(0.56+0.56)
	Airflow rate	m^3/h	31200	33600	34500	36600
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4×2	7.4+12.8	7.4+12.8	8.4+12.8
Pipe connections[2]	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ31.8	Φ31.8	Φ38.1	Φ38.1
Sound pressure level[3]		dB(A)	64	65		
Net dimensions (W×H×D)		mm	(940×1760×825)×2	(940×1760×825)+(1340×1760×825)		
Packed dimensions (W×H×D)		mm	(1010×1945×890)×2	(1010×1945×890)+(1410×1945×890)		
Net weight		kg	200×2	190+315		200+315
Gross weight		kg	215×2	205+335		215+335
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

40-46HP

Table 2-1.5: 40-46HP specifications

HP			40	42	44	46
Model name (Combination unit)			NVC-M380WV2WN1	NVC-M400WV2WN1	NVC-M425WV2WN1	NVC-M440WV2WN1
Combination type			16HP+24HP	14HP+28HP	14HP+30HP	16HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	112.0	118.5	125.0	130.0
		kBtu/h	381.9	404.1	426.3	443.3
	Power input	kW	31.0	32.1	36.2	38.1
	EER		3.61	3.69	3.45	3.41
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		3			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		3			
	Motor output	kW	0.92+(0.56+0.56)			
	Airflow rate	m^3/h	36600	37100	37100	37100
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4+12.8	8.4+15.4	8.4+15.4	8.4+15.4
Pipe connections[2]	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Sound pressure level[3]		dB(A)	65			
Net dimensions (W×H×D)		mm	(940×1760×825)+(1340×1760×825)			
Packed dimensions (W×H×D)		mm	(1010×1945×890)+(1410×1945×890)			
Net weight		kg	200+315	200+330		
Gross weight		kg	215+335	215+350		
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

48-54HP

Table 2-1.6: 48-54HP specifications

HP			48	50	52	54
Model name (Combination unit)			NVC-M460WV2WN1	NVC-M480WV2WN1	NVC-M500WV2WN1	NVC-M515WV2WN1
Combination type			24HP+24HP	20HP+30HP	22HP+30HP	24HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	134.0	141.0	146.5	152.0
		kBtu/h	456.9	480.8	499.6	518.3
	Power input	kW	38.5	41.8	43.7	45.7
	EER		3.48	3.37	3.35	3.33
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		4			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		4			
	Motor output	kW	(0.56+0.56)×2			
	Airflow rate	m^3/h	42000	42000	42000	42500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	12.8×2	12.8+15.4	12.8+15.4	12.8+15.4
Pipe connections[2]	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1
Sound pressure level[3]		dB(A)	66			
Net dimensions (W×H×D)		mm	(1340×1760×825)×2			
Packed dimensions (W×H×D)		mm	(1410×1945×890)×2			
Net weight		kg	315×2	315+330		
Gross weight		kg	335×2	335+350		
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

56-62HP

Table 2-1.7: 56-62HP specifications

HP			56	58	60	62
Model name (Combination unit)			NVC-M535WV2WN1	NVC-M555WV2WN1	NVC-M580WV2WN1	NVC-M600WV2WN1
Combination type			26HP+30HP	28HP+30HP	30HP+30HP	16HP+16HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	158.0	163.5	170.0	175.0
		kBtu/h	538.8	557.5	579.7	596.8
	Power input	kW	45.8	48.7	52.8	49.8
	EER		3.45	3.36	3.22	3.51
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		4			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		4			
	Motor output	kW	(0.56+0.56)×2			0.92×2+(0.56+0.56)
	Airflow rate	m^3/h	43000	43000	43000	52700
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	15.4×2	15.4×2	15.4×2	8.4×2+15.4
Pipe connections[2]	Liquid pipe	mm	Φ19.1	Φ19.1	Φ19.1	Φ19.1
	Gas pipe	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3
Sound pressure level[3]		dB(A)	66			
Net dimensions (W×H×D)		mm	(1340×1760×825)×2			(940×1760×825)×2+(1340×1760×825)
Packed dimensions (W×H×D)		mm	(1410×1945×890)×2			(1010×1945×890)×2+(1410×1945×890)
Net weight		kg	330×2			200×2+330
Gross weight		kg	350×2			215×2+350
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

64-70HP

Table 2-1.8: 64-70HP specifications

HP			64	66	68	70
Model name (Combination unit)			NVC-M615WV2WN1	NVC-M630WV2WN1	NVC-M650WV2WN1	NVC-M670WV2WN1
Combination type			14HP+20HP+30HP	16HP+20HP+30HP	14HP+24HP+30HP	16HP+24HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	181.0	186.0	192.0	197.0
		kBtu/h	617.2	634.3	654.7	671.8
	Power input	kW	51.6	53.5	55.5	57.4
	EER		3.51	3.48	3.46	3.43
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		5			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		5			
	Motor output	kW	0.92+(0.56+0.56)×2			
	Airflow rate	m^3/h	57600	57600	58100	58100
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4+12.8+15.4	8.4+12.8+15.4	8.4+12.8+15.4	8.4+12.8+15.4
Pipe connections2	Liquid pipe	mm	Φ19.1	Φ19.1	Φ22.2	Φ22.2
	Gas pipe	mm	Φ41.3	Φ41.3	Φ44.5	Φ44.5
Sound pressure level[4]		dB(A)	66			
Net dimensions (W×H×D)		mm	(940×1760×825)+(1340×1760×825)×2			
Packed dimensions (W×H×D)		mm	(1010×1945×890)+(1410×1945×890)×2			
Net weight		kg	200+315+330			
Gross weight		kg	215+335+350			
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:
1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

72-78HP

Table 2-1.9: 72-78HP specifications

HP			72	74	76	78
Model name (Combination unit)			NVC-M690WV2WN1	NVC-M710WV2WN1	NVC-M730WV2WN1	NVC-M745WV2WN1
Combination type			14HP+28HP+30HP	16HP+28HP+30HP	16HP+30HP+30HP	24HP+24HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	203.5	208.5	215.0	219.0
		kBtu/h	693.9	711.0	733.2	746.8
	Power input	kW	58.5	60.4	64.5	64.9
	EER		3.48	3.45	3.33	3.37
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		5			6
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		5			6
	Motor output	kW	0.92+(0.56+0.56)×2			(0.56+0.56)×3
	Airflow rate	m^3/h	58600	58600	58600	63500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	8.4+15.4×2	8.4+15.4×2	8.4+15.4×2	12.8×2+15.4
Pipe connections2	Liquid pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
	Gas pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
Sound pressure level[4]		dB(A)	66		67	
Net dimensions (W×H×D)		mm	(940×1760×825)+(1340×1760×825)×2			(1340×1760×825)×3
Packed dimensions (W×H×D)		mm	(1010×1945×890)+(1410×1945×890)×2			(1410×1945×890)×3
Net weight		kg	200+330×2			315×2+330
Gross weight		kg	215+350×2			335×2+350
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

80-86HP

Table 2-1.10: 80-86HP specifications

HP			80	82	84	86
Model name (Combination unit)			NVC-M770WV2WN1	NVC-M790WV2WN1	NVC-M800WV2WN1	NVC-M825WV2WN1
Combination type			20HP+30HP+30HP	22HP+30HP+30HP	24HP+30HP+30HP	26HP+30HP+30HP
Power supply		V/~/Hz	220/3/60			
Cooling[1]	Capacity	kW	226.0	231.5	237.0	243.0
		kBtu/h	770.7	789.4	808.2	828.6
	Power input	kW	68.2	70.1	72.0	72.2
	EER		3.31	3.30	3.29	3.37
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity			
	Maximum quantity		64	64	64	64
Compressor	Type		DC Inverter			
	Quantity		6			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		6			
	Motor output	kW	(0.56+0.56)×3			
	Airflow rate	m^3/h	63500	63500	64000	64500
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	12.8+15.4×2	12.8+15.4×2	12.8+15.4×2	15.4×3
Pipe connections[2]	Liquid pipe	mm	Φ22.2	Φ22.2	Φ25.4	Φ25.4
	Gas pipe	mm	Φ44.5	Φ44.5	Φ50.8	Φ50.8
Sound pressure level[3]		dB(A)	67		68	
Net dimensions (W×H×D)		mm	(1340×1760×825)×3			
Packed dimensions (W×H×D)		mm	(1410×1945×890)×3			
Net weight		kg	315+330×2			330×3
Gross weight		kg	335+350×2			350×3
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55	-15 to 55	-15 to 55

Notes:
1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

88-90HP

Table 2-1.11: 88-90HP specifications

HP			88	90
Model name (Combination unit)			NVC-M850WV2WN1	NVC-M870WV2WN1
Combination type			28HP+30HP+30HP	30HP+30HP+30HP
Power supply		V/~/Hz	220/3/60	
Cooling[1]	Capacity	kW	248.5	255.0
		kBtu/h	847.4	869.6
	Power input	kW	75.1	79.2
	EER		3.31	3.22
Connected indoor unit	Total capacity		50-130% of outdoor unit capacity	
	Maximum quantity		64	64
Compressor	Type		DC Inverter	
	Quantity		6	
	Oil type		FV68H	
	Start-up method		Soft start	
Fan	Type		Propeller	
	Motor type		DC	
	Quantity		6	
	Motor output	kW	(0.56+0.56)×3	
	Airflow rate	m^3/h	64500	64500
	Drive type		Direct	
Refrigerant	Type		R410A	
	Factory charge	kg	15.4×3	15.4×3
Pipe connections[2]	Liquid pipe	mm	Φ25.4	Φ25.4
	Gas pipe	mm	Φ50.8	Φ50.8
Sound pressure level[3]		dB(A)	68	
Net dimensions (W×H×D)		mm	(1340×1760×825)×3	
Packed dimensions (W×H×D)		mm	(1410×1945×890)×3	
Net weight		kg	330×3	
Gross weight		kg	350×3	
Ambient temp. operation range	Cooling	°C	-15 to 55	-15 to 55

Notes:

1. Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to Part 3 “System Design and Installation” for connection piping diameters..
3. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.


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