

Super *MULTi* ^{XL} FULL DC INVERTER

VRF ALL INVERTER FULL DC COMPRESSORS AND DC FAN MOTORS INDOOR & OUTDOOR UNIT



up to 102HP

Wall Mounted



Ceiling Concealed



***Medium Static Pressure
*High Static Pressure**

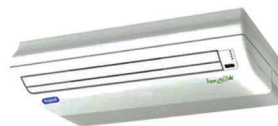
Ceiling Cassette



***Four-Way Compact
*Four-way Standard**



Heat Recovery Ventilator



Ceiling Convertible Floor Mounted



Fresh Air Processing Unit



HIGH EER

up to 16.23
High Energy Savings



EASY MAINTENANCE

With a self diagnosis function to assist service engineers during trouble shooting



SILENT OPERATION

Quiet design enables it to run at a comfortable 45dB(A) sound level



CAPACITY UP TO 102HP

14 Types ODU Capacity
34 Maximum ODU Combination
102Hp Maximum Combi. ODU Capacity



POWERFUL TOTAL MANAGEMENT

Web access function allows to view system operation anytime from external devices through the internet



IMPROVED LIFESPAN

Duty cycling operation of outdoor unit helps extend compressor's lifespan. In one combination, any outdoor unit can run as the master outdoor unit to equalize compressor duty and ensure even load distribution

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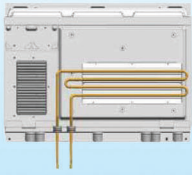
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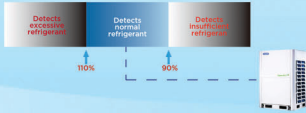
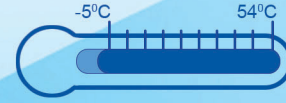


Refrigerant Cooling PCB

The VRF uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electric control components by about 8°C, guaranteeing the stable and safe running of the system.

Wide Operating Range

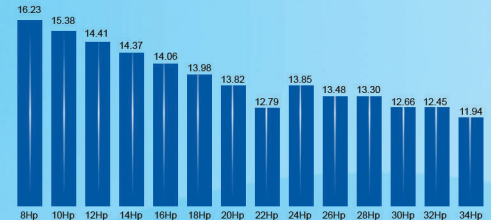
The VRF can operate stably in a wide ambient temperature: from -50°C to 54°C in cooling mode



Real-time Refrigerant Amount Monitoring

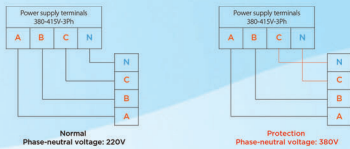
The temperature and pressure of refrigerant can be monitored real-time by the outdoor unit. When the level of refrigerant is too low or too high, this can cause unit damage and poor performance. VRF outdoor unit can detect excessive or insufficient amounts of refrigerant to ensure consistent performance.

High EER



Electrical Protections

Special internal protection circuitry is designed to protect system from wrong power supply in case of a wrong connection of the 3-Phase electricity wiring.



Fan motor

Standard products:
72h of neutral salt mist



Heavy anti-corrosion products:
240h of neutral salt mist



Heat exchanger aluminum foil

Standard products:
72h of neutral salt mist

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



Screws / bolts / gaskets
Standard products:
300h of neutral salt mist

Heavy anti-corrosion products:
720h of neutral salt mist



Heat exchanger copper pipe
Standard products:
24h of neutral salt mist

Heavy anti-corrosion products:
120h of neutral salt mist



Painted sheet metal

Standard products:
500h of neutral salt mist
1000h of moisture and heating test
500h of light aging test

Heavy anti-corrosion products:
1000h of neutral salt mist
2000h of moisture and heating test
720h of light aging test

Electric control box case

Standard products:
96h of neutral salt mist

Heavy anti-corrosion products:
240h of neutral salt mist



Outdoor Unit Line-Up (HIGH EFFICIENCY) 380V-30PH-60HZ

The flexibility of large outdoor capacity combination ranges from 8Hp up to 102Hp in 2Hp increment.
Modular system allows up to 3 outdoor unit combination.



8Hp, 10Hp, 12Hp, 14Hp
Single Fan



16Hp, 18Hp
Single Fan



20Hp, 22Hp, 24Hp
Dual Fan



26Hp, 28Hp, 30Hp, 32Hp, 34Hp
Dual Fan

Indoor Unit Line-Up

Type	Model	KW HP	1.8	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0
			0.6	0.8	1.0	1.3	1.6	2.0	2.5	3.0	3.2	3.6	4.0	4.5	5.0	6.0	7.1	8.0	10.0	14.0	16.0	20.0
One-Way Cassette	KVXXCAS1-MA2		●	●	●	●	●	●	●													
Two-Way Cassette	KVXXCAS2-MA2			●	●	●	●	●	●													
Four-Way Cassette	KVXXCAS-MA2				●	●	●	●	●	●	●	●	●		●							
Four-Way Cassette: Compact	KVXXCAS4-MA2			●	●	●	●															
Ceiling-Concealed Duct: MSP	KVXXCON-MA2MS			●	●	●	●	●	●	●	●		●		●							
Ceiling Concealed Duct: HSP	KVXXCON-MA2HS								●	●	●		●		●	●	●	●	●			●
Ceiling-Floor Mounted: Convertible	KVXXCM-MA2					●	●	●	●	●	●		●		●							
Wall Mounted:	KVXXWM-MA2			●	●	●	●	●	●	●	●											
Fresh Air Processing Unit	KVXXCON-MA2FA													●	●		●	●	●			●

HEAT RECOVERY VENTILATOR (HRV)

Type		CAPACITY (CMH)									
Heat Recovery Ventilator	HRV-XX		200	300	400	500	800	1000	1500	2000	

VRF-XV 380V-3Ph-60Hz

Model		KV252OD-MB2X	KV280OD-MB2X	KV335OD-MB2X
Power Source	V/Ph/Hz	380/3/60	380/3/60	380/3/60
Capacity (Nominal)	kW/Hp	25.2/8.0	28/10	33.5/12
Power Input	kW	5.30	6.21	7.77
EER		16.23	15.38	14.71
Airflow	CMH	11,000	11,000	11,000
Dimension (WxHxD)	(mm)	990 x 1,635 x 790	990 x 1,635 x 790	990 x 1,635 x 790
Sound Pressure Level	dB(A)	58	58	60
Max. quantity of indoor units		13	16	20
Refrigerant piping diameter (Liquid)	in. (mm)	1/2,(ø12.7)	1/2,(ø12.7)	5/8,(ø15.9)
(Gas)	in. (mm)	1,(ø25.4)	1,(ø25.4)	1-1/8,(ø28.6)
Net/Gross Weight	lbs	500/534	500/534	500/534
	kg	227/242	227/242	227/242

Model		KV400OD-MB2X	KV450OD-MB2X	KV500OD-MB2X	KV560OD-MB2X
Power Source	V/Ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60
Capacity (Nominal)	kW/Hp	40/14	45/16	50/18	56/20
Power Input	kW	9.50	10.92	12.20	13.83
EER		14.37	14.06	13.98	13.82
Airflow	CMH	11,000	13,000	13,000	17,000
Dimension (WxHxD)	(mm)	990 x 1,635 x 790	1,340 x 1,635 x 850	1,340 x 1,635 x 850	1,340 x 1,635 x 825
Sound Pressure Level	dB(A)	60	60	61	62
Max. quantity of indoor units		23	26	29	33
Refrigerant piping diameter (Liquid)	in. (mm)	5/8,(ø15.9)	5/8,(ø15.9)	3/4,(ø19.1)	3/4,(ø19.1)
(Gas)	in. (mm)	1 1/4,(ø31.8)	1 1/4,(ø31.8)	1 1/4,(ø31.8)	1 1/4,(ø31.8)
Net/Gross Weight	lbs	500/534	611/670	611/670	767/811
	kg	227/242	277/304	277/304	348/368

Model		KV615OD-MB2X	KV670OD-MB2X	KV730OD-MB2X
Power Source	V/Ph/Hz	380/3/60	380/3/60	380/3/60
Capacity (Nominal)	kW/Hp	61.5/22	67/24	73/26
Power Input	kW	15.38	17.87	18.48
EER		13.64	12.80	13.48
Airflow	CMH	17,000	17,000	25,000
Dimension (WxHxD)	(mm)	1,340 x 1,635 x 825	1,340 x 1,635 x 825	1,730 x 1,830 x 850
Sound Pressure Level	dB(A)	63	63	64
Max. quantity of indoor units		36	39	43
Refrigerant piping diameter (Liquid)	in. (mm)	3/4,(ø19.1)	3/4,(ø19.1)	7/8,(ø22.2)
(Gas)	in. (mm)	1 1/4,(ø31.8)	1 1/4,(ø31.8)	1 1/4,(ø31.8)
Net/Gross Weight	lbs	767/811	767/811	948/999
	kg	348/368	348/368	430/453

Model		KV785OD-MB2X	KV850OD-MB2X	KV900OD-MB2X	KV950OD-MB2X
Power Source	V/Ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60
Capacity (Nominal)	kW/Hp	78.5/28	85/30	90/32	95/34
Power Input	kW	20.13	22.91	24.66	27.14
EER		13.30	12.66	12.45	11.94
Airflow	CMH	25,000	25,000	24,000	24,000
Dimension (WxHxD)	(mm)	1,730 x 1,830 x 850	1,730 x 1,830 x 850	1,730 x 1,830 x 850	1,730 x 1,830 x 850
Sound Pressure Level	dB(A)	64	64	64	64
Max. quantity of indoor units		46	50	53	56
Refrigerant piping diameter (Liquid)	in. (mm)	7/8,(ø22.2)	7/8,(ø22.2)	7/8,(ø22.2)	7/8,(ø22.2)
(Gas)	in. (mm)	1 1/4,(ø31.8)	1 1/4,(ø31.8)	1 1/2,(ø38.1)	1 1/2,(ø38.1)
Net/Gross Weight	lbs	948/999	948/999	1,047/1,118	1,047/1,118
	kg	430/453	430/453	475/507	475/507

NOTES:

- (1) Nominal cooling capacities are based on the following conditions: return air temp.: 80.6°F (27°C) DB, 66.2°F (19°C) WB, outdoor temp.: 95°F (35°C) DB, equivalent ref. Piping: 8m (horizontal).
- (2) Sound level is measured at a point 3.28 ft. (1m) in front of the unit at a height of 4.27 ft. (1.3m). During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- (3) Specifications are subject to change without prior notice for future improvement on quality and performance.

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Outdoor Unit Line-Up (High Efficiency) 220V-3PH-60HZ

The flexibility of large outdoor capacity combination ranges from 8Hp up to 84Hp in 2Hp increment.
Modular system allows up to 3 outdoor unit combination.



8Hp , 10Hp , 12Hp
Single Fan



14Hp, 16Hp, 18Hp, 20Hp , 22Hp
Dual Fan



24Hp, 26Hp , 28Hp , 30Hp , 32Hp , 34Hp
Dual Fan

Note: 86Hp, 88Hp & 96Hp are 4 modules and need to be customized

Model		KV252OD-MC2X	KV280OD-MC2X	KV335OD-MC2X	KV400OD-MC2X	KV450OD-MC2X
Power Source	V/Ph/Hz	220/3/60	220/3/60	220/3/60	220/3/60	220/3/60
Capacity (Nominal)	kW/HP	25.2/8	28/10	33.5/12	40/14	45/16
Power Input	kW	5.30	6.30	8.70	9.90	12.00
EER		16.22	15.16	13.14	13.79	12.80
Airflow	CMH	11,000	11,000	11,000	14,000	14,000
Dimension (WxHxD)	(mm)	990 x 1,635 x 790	990 x 1,635 x 790	990 x 1,635 x 790	1,340 x 1,635 x 825	1,340 x 1,635 x 825
Sound Pressure Level	dB(A)	58	58	60	60	61
Max. quantity of indoor units		13	16	20	23	26
Refrigerant piping diameter (Liquid)	in. (mm)	1/2 (φ12.7)	1/2 (φ12.7)	5/8 (φ15.9)	5/8 (φ15.9)	5/8 (φ15.9)
(Gas)	in. (mm)	1 (φ25.4)	1 (φ25.4)	1 1/8 (φ31.8)	1 1/4 (φ31.8)	1 1/4 (φ31.8)
Net/Gross Weight	lbs	500/547	500/547	500/547	625/684	625/684
	kg	227/248	227/248	227/248	248/311	248/311

Model		KV500OD-MC2X	KV560OD-MC2X	KV615OD-MC2X	KV670OD-MC2X	KV730OD-MC2X	KV785OD-MC2X
Power Source	V/Ph/Hz	220/3/60	220/3/60	220/3/60	220/3/60	220/3/60	220/3/60
Capacity (Nominal)	kW/HP	50/18	56.0/20	61.5/22	67/24	73/26	78.5/28
Power Input	kW	12.50	15.10	18.40	18.10	20.90	24.20
EER		13.65	12.66	11.40	12.63	11.92	11.06
Airflow	CMH	17,000	17,000	17,000	25,000	25,000	25,000
Dimension (HxWxD)	(mm)	1,340 x 1,635 x 825	1,340 x 1,635 x 825	1,340 x 1,635 x 825	1,730 x 1,830 x 850	1,730 x 1,830 x 850	1,730 x 1,830 x 850
Sound Pressure Level	dB(A)	62	63	63	64	64	64
Max. quantity of indoor units		29	33	36	39	43	46
Refrigerant piping diameter (Liquid)	in. (mm)	3/4 (φ19.1)	3/4 (φ19.1)	3/4 (φ19.1)	3/4 (φ19.1)	7/8 (φ22.2)	7/8 (φ22.2)
(Gas)	in. (mm)	1 1/4 (φ31.8)	1 1/4 (φ31.8)	1 1/4 (φ31.8)	1 1/4 (φ31.8)	1 1/4 (φ31.8)	1 1/4 (φ31.8)
Net/Gross Weight	lbs	805/849	805/849	805/849	438/461	438/461	438/461
	kg	366/386	366/386	366/386	964/1014	964/1014	964/1,014

Indoor Unit Line-Up

One-Way Ceiling Cassette

Model		KV18CAS1-MA2	KV22CAS1-MA2	KV28CAS1-MA2	KV36CAS1-MA2	KV45CAS1-MA2	KV56CAS1-MA2	KV71CAS1-MA2
Capacity (Nominal)	kW/HP	1.8/0.6	2.2/0.8	2.8/1.0	3.6/1.3	4.5/1.6	5.6/2.0	7.1/2.5
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	25	25	30	30	40	48	60
Airflow	CMH	275~523	275~523	315~573	315~573	476~693	549~792	592~933
Net Dimension Body (HxWxD)	(mm)	153 x 1,054 x 425	153 x 1,054 x 425	153 x 1,054 x 425	153 x 1,054 x 425	189 x 1,275 x 450	189 x 1,275 x 450	189 x 1,275 x 450
Panel (HxWxD)	(mm)	25 x 1,180 x 465	25 x 1,180 x 465	25 x 1,180 x 465	25 x 1,180 x 465	25 x 1,350x 505	25 x 1,350x 505	25 x 1,350x 505
Net Weight								
Body	Kg	11.8	11.8	12.3	12.3	16.1	16.4	17.6
Panel	Kg	3.5	3.5	3.5	3.5	4	4	4
Pipe Diameter	Liquid/Gas	mm	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9

Four-Way Ceiling Cassette - Compact

Model		KV22CAS4-MA2	KV28CAS4-MA2	KV36CAS4-MA2	KV45CAS4-MA2
Capacity (Nominal)	kW/HP	2.2 / 0.8	2.8 / 1.0	3.6 / 1.3	4.5 / 1.6
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	35	35	40	50
Airflow	CMH	405~576	405~576	400~604	400~604
Net Dimension Body (HxWxD)	(mm)	260 x 630 x 570	260 x 630 x 570	260 x 630 x 570	260 x 630 x 570
Panel (HxWxD)	(mm)	50 x 647 x 647	50 x 647 x 647	50 x 647 x 647	50 x 647 x 647
Net Weight					
Body	Kg	18	18	19.2	19.2
Panel	Kg	2.5	2.5	2.5	2.5
Pipe Diameter	Liquid/Gas	mm	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7

Two-Way Ceiling Cassette

Model		KV22CAS2-MA2	KV28CAS2-MA2	KV36CAS2-MA2	KV45CAS2-MA2	KV56CAS2-MA2	KV71CAS2-MA2
Capacity (Nominal)	kW/HP	2.2/0.8	2.8/1.0	3.6/1.3	4.5/1.6	5.6 / 2.0	7.1 / 2.5
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	35	40	40	50	69	98
Airflow	CMH	410~654	410~654	458~725	550~850	670~980	770~1,200
Net Dimension Body (HxWxD)	(mm)	299 x 1,172 x 591	299 x 1,172 x 591	299 x 1,172 x 591	299 x 1,172 x 591	299 x 1,172 x 591	299 x 1,172 x 591
Panel (HxWxD)	(mm)	53 x 1,430 x 680	53 x 1,430 x 680	53 x 1,430 x 680	53 x 1,430 x 680	53 x 1,430 x 680	53 x 1,430 x 680
Net Weight							
Body	Kg	33.5	33.5	33.5	35	35	35
Panel	Kg	10.5	10.5	10.5	10.5	10.5	10.5
Pipe Diameter	Liquid/Gas	mm	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 x 15.9	9.5 x 15.9

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Indoor Unit Line-Up

Four-Way Ceiling Cassette											
Model		KV28CAS-MA2	KV36CAS-MA2	KV45CAS-MA2	KV56CAS-MA2	KV71CAS-MA2	KV80CAS-MA2	KV90CAS-MA2	KV100CAS-MA2	KV112CAS-MA2	KV140CAS-MA2
Capacity (Nominal)	kW/Hp	2.8 / 1.0	3.6 / 1.3	4.5 / 1.6	5.6 / 2.0	7.1 / 2.5	8.0 / 3.0	9.0 / 3.2	10.0 / 3.6	11.2 / 4.0	14.0 / 5.0
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	40	45	50	60	70	96	100	150	160	170
Airflow	m ³ /h	542~801	542~801	635~893	635~893	671~977	774~1,203	970~1,349	1,143~1,641	1,143~1,641	1,170~1,662
Net Dimension Body (HxWxD)	(mm)	230 x 840 x 840	230 x 840 x 840	230 x 840 x 840	230 x 840 x 840	230 x 840 x 840	230 x 840 x 840	300 x 840 x 840	300 x 840 x 840	300 x 840 x 840	300 x 840 x 840
Net Weight	Body	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950	54.5 x 950 x 950
	Panel	21.3	21.3	23.2	23.2	23.2	23.2	28.4	28.4	28.4	30.7
	Panel	5	5	5	5	5	5	5	5	5	5
Pipe Diameter	Liquid/Gas	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9

Ceiling Concealed Ducted: Medium Static Pressure											
Model		KV22CON-MA2MS	KV28CON-MA2MS	KV36CON-MA2MS	KV45CON-MA2MS	KV56CON-MA2MS	KV71CON-MA2MS	KV80CON-MA2MS	KV90CON-MA2MS	KV112CON-MA2MS	KV140CON-MA2MS
Capacity (Nominal)	kW/Hp	2.2 / 0.8	2.8 / 1.0	3.6 / 1.3	4.5 / 1.6	5.6 / 2.0	7.1 / 2.5	8.0 / 3.0	9.0 / 3.2	11.2 / 4.0	14.0 / 5.0
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	40	40	45	92	92	98	110	120	200	250
Airflow	m ³ /h	300~520	300~520	370~580	400~800	560~830	680~1,000	780~1,260	780~1,260	1,080~1,500	1,360~1,960
External Static Pressure	Pa	10(0~50)	10(0~50)	10(0~50)	10(0~50)	10(0~50)	10(0~50)	20(10~100)	20(10~100)	20(10~100)	40(30~150)
Net Dimension Body (HxWxD)	(mm)	210 x 780 x 500	210 x 780 x 500	210 x 780 x 500	210 x 1,000 x 500	210 x 1,000 x 500	210 x 1,220 x 500	270 x 1,230 x 775	270 x 1,230 x 775	270 x 1,230 x 775	300 x 1,290 x 865
Net Weight	Body	18	18	18	21.5	21.5	27.5	36.5	37	37	46.5
	Panel	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9
Pipe Diameter	Liquid/Gas	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9

Ceiling Concealed Ducted: High Static Pressure											
Model		KV71CON-MA2HS	KV80CON-MA2HS	KV90CON-MA2HS	KV112CON-MA2HS	KV140CON-MA2HS	KV160CON-MA2HS	KV200CON-MA2HS	KV250CON-MA2HS	KV280CON-MA2HS	KV560CON-MA2HS
Capacity (Nominal)	kW/Hp	7.1 / 2.5	8.0 / 3.0	9.0 / 3.2	11.2 / 4.0	14.0 / 5.0	16.0 / 6.0	20.0 / 7.0	25.0 / 8.0	28.0 / 10.0	56.0 / 20.0
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	180	180	220	380	420	700	990	1,200	1,200	2,272
Airflow	m ³ /h	1,160~1,360	1,160~1,360	1,140~1,420	1,350~1,870	1,600~2,240	1,880~2,660	3,730~4,330	3,730~4,330	3,730~4,330	5,000~7,400
External Static Pressure	Pa	100(30~200)	100(30~200)	100(30~200)	100(30~200)	100(30~200)	100(30~200)	170(20~250)	170(20~250)	170(20~250)	300(100~400)
Net Dimension Body (HxWxD)	(mm)	423 x 965 x 690	423 x 965 x 690	423 x 965 x 690	423 x 965 x 690	423 x 1,322 x 691	423 x 1,322 x 691	515 x 1,454 x 931	515 x 1,454 x 931	515 x 1,454 x 931	670 x 2,005 x 929
Net Weight	Body	41	41	51	51	68	68	130	130	130	218
	Panel	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	12.7 / 22.2	12.7 / 22.2	12.7 / 22.2	15.9 / 28.6
Pipe Diameter	Liquid/Gas	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	12.7 / 22.2	12.7 / 22.2	12.7 / 22.2	15.9 / 28.6

Ceiling Floor Mounted: Convertible									
Model		KV36CM-MA2	KV45CM-MA2	KV56CM-MA2	KV71CM-MA2	KV80CM-MA2	KV90CM-MA2	KV112CM-MA2	KV140CM-MA2
Capacity (Nominal)	kW/Hp	3.6 / 1.3	4.5 / 1.6	5.6 / 2.0	7.1 / 2.5	8.0 / 3.0	9.0 / 3.2	11.2 / 4.0	14.0 / 5.0
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	49	115	115	115	130	130	180	180
Airflow	m ³ /h	420~550	720~930	720~930	720~930	1,050~1,280	1,050~1,280	1,580~1,890	1,580~1,890
Net Dimension Body (HxWxD)	(mm)	660 x 990 x 203	660 x 990 x 203	660 x 990 x 203	660 x 990 x 203	660 x 1,280 x 203	660 x 1,280 x 203	680 x 1,670 x 244	680 x 1,670 x 244
Net Weight	Body	27	28	28	28	35	35	48	48
	Panel	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9
Pipe Diameter	Liquid/Gas	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9

Wall Mounted									
Model		KV22WM-MA2	KV28WM-MA2	KV36WM-MA2	KV45WM-MA2	KV56WM-MA2	KV71WM-MA2	KV80WM-MA2	KV90WM-MA2
Capacity (Nominal)	kW/Hp	2.2 / 0.8	2.8 / 1.0	3.6 / 1.3	4.5 / 1.6	5.6 / 2.0	7.1 / 2.5	8.0 / 3.0	9.0 / 3.2
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	28	28	30	40	45	55	55	82
Airflow	m ³ /h	356~422	316~417	488~656	424~594	547~747	809~1,195	809~1,195	867~1,421
Net Dimension Body (HxWxD)	(mm)	280 x 835 x 203	280 x 835 x 203	315 x 990 x 223	315 x 990 x 223	315 x 990 x 223	343 x 1,194 x 262	343 x 1,194 x 262	343 x 1,194 x 262
Net Weight	Body	8.4	9.5	11.4	12.8	12.8	17	17	17
	Panel	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9
Pipe Diameter	Liquid/Gas	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	6.4 / 12.7	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9	9.5 / 15.9

Fresh Air Processing Unit							
Model		KV125CON-MA2FA	KV140CON-MA2FA	KV200CON-MA2FA	KV250CON-MA2FA	KV280CON-MA2FA	KV560CON-MA2FA
Capacity (Nominal)	kW/Hp	12.5 / 4.5	14.0 / 5.0	20.0 / 7.1	25.0 / 8.0	28.0 / 10.0	56.0 / 20.0
Power Supply	V/Ph/Hz	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60	220-1-60
Rated Power	W	480	480	850	850	850	2,272
Airflow	m ³ /h	1,500~2,000	1,500~2,000	2,000~3,000	2,000~3,000	2,000~3,000	5,000~7,400
External Static Pressure	Pa	180(30~200)	180(30~200)	200(30~250)	200(30~250)	200(30~250)	300(100~400)
Net Dimension Body (HxWxD)	(mm)	423 x 1,322 x 691	423 x 1,322 x 691	515 x 1,454 x 931	515 x 1,454 x 931	515 x 1,454 x 931	670 x 2,005 x 929
Net Weight	Body	68	68	130	130	130	218
	Panel	9.5 / 15.9	9.5 / 15.9	12.7 / 22.2	12.7 / 22.2	12.7 / 22.2	15.9 / 28.6
Pipe Diameter	Liquid/Gas	9.5 / 15.9	9.5 / 15.9	12.7 / 22.2	12.7 / 22.2	12.7 / 22.2	15.9 / 28.6

NOTES:
 (1) Nominal cooling capacities are based on the following conditions: return air temp.: 80.6°F (27°C) DB, 66.2°F (19°C) WB, outdoor temp.: 95°F (35°C) DB, equivalent ref. Piping: 8m (horizontal).
 (2) Sound level is measured at a point 3.28 ft. (1m) in front of the unit at a height of 4.27 ft. (1.3m). During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 (3) Specifications are subject to change without prior notice for future improvement on quality and performance.

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