



GCHV CMV - C
CMV - mini

VRF SYSTEM
DC INVERTER R410a

2017 GENERAL CATALOGUE



تاریخچه چیگو

شرکت تولیدی چیگو در سال ۱۹۹۴ با توان تولید انواع کولرهای گازی خانگی در منطقه تجاری فوشان کشور چین تاسیس گردید و در سال ۲۰۰۲ تولیدات خود را در تمامی محصولات و سیستم های تهویه مطبوع ارتقاء داد.

این شرکت با بهره بری از مجموعه حرفه ای و دیدگاه علمی شروع به طراحی و تولید محصولات براساس نیازهای مصرف کنندگان در مناطق مختلف جهان و شرایط اقلیمی متفاوت نموده است.

بخش تحقیق و توسعه (R & D) شرکت چیگو پیوسته در پی نوآوری و ابتکار بوده است. شرکت چیگو در حال حاضر بیش از 10.000.000Set محصول کامل تهویه مطبوع در مدل و ظرفیت های متفاوت تولید و از بزرگترین تولیدکنندگان در کشور چین می باشد.

شرکت چیگو دارای بالاترین گواهی نامه ی تولید بین المللی همچون ISO9001, ISO14000, اروپا CE, آلمان GS, استرالیا SAA, امریکا UL می باشد.

سیاست تولیدی شرکت چیگو بر اساس استانداردهای محیط زیستی و سبز پایه ریزی شده و دارای رتبه درجه یک تولیدکنندگان دوستدار طبیعت از سازمان ملل متحد می باشد.

هم اکنون شرکت چیگو محصولات خود را بیش از ۱۵۰ کشور جهان صادر می نماید.



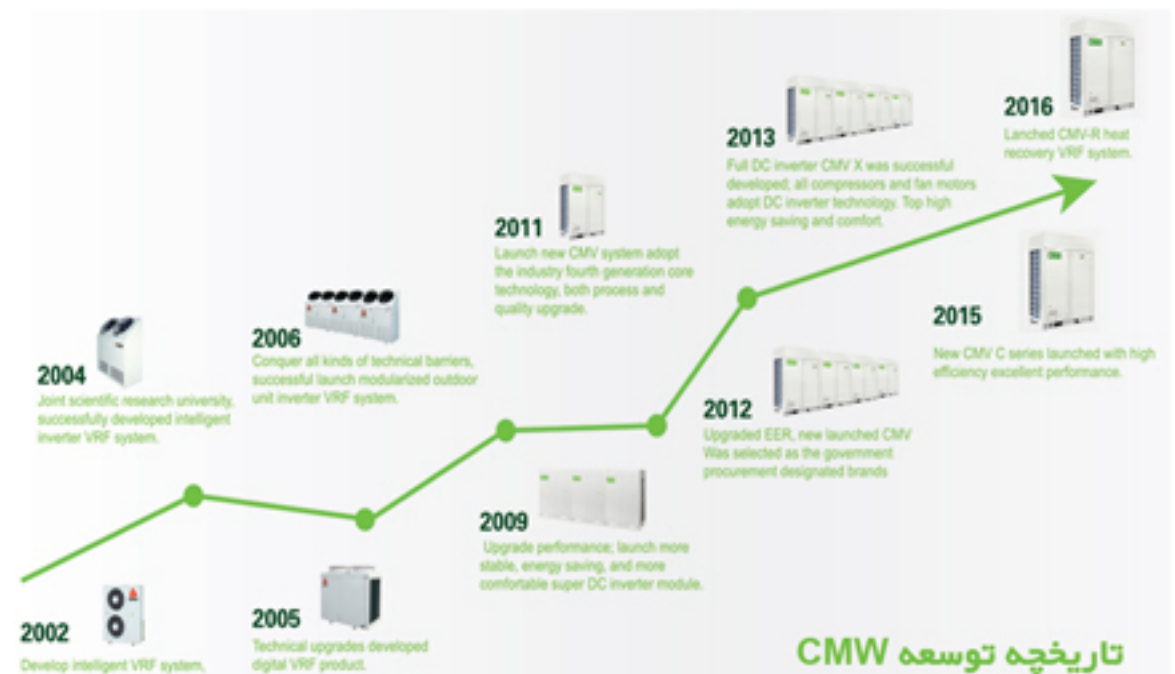
توافق همکاری مجدد با جکی چان

دریافت نشان تکنولوژی برتر High-Tech Enterprise برای دو سال پیاپی.

دریافت نشان برترین کارخانه دوستدار محیط زیست از سازمان ملل.



ورود به عرصه سیستم های تهویه مطبوع صنعتی و مرکزی از سال ۲۰۰۲



تاریخچه توسعه CMW

یک دستگاه تهویه مطبوع است که قابلیت اتصال به ۲۰ پنل داخلی متفاوت برای یک دستگاه و ۶۴ پنل داخلی متفاوت برای ۴ دستگاه به هم متصل شده را دارد. حداکثر طول لوله کشی مسی ۱۰۰۰ متر می باشد.

ویژگیهای کلیدی

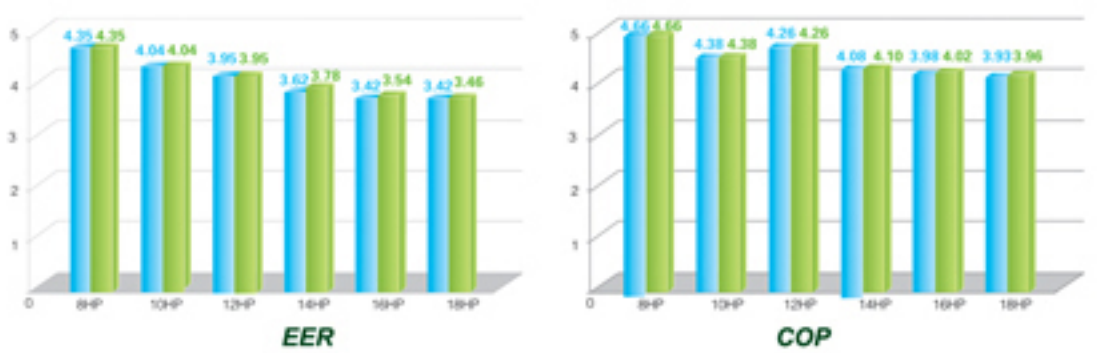
کمپرسور DC INVERTER

- مجهز به کمپرسور Hitachi DC Inverter
- کارکرد کمپرسور بدون صدا
- کارکرد کمپرسور بدون لرزش
- دارای گاز R 410 a
- ساختار برگشت روغن داخلی
- دارای فن DC Inverter



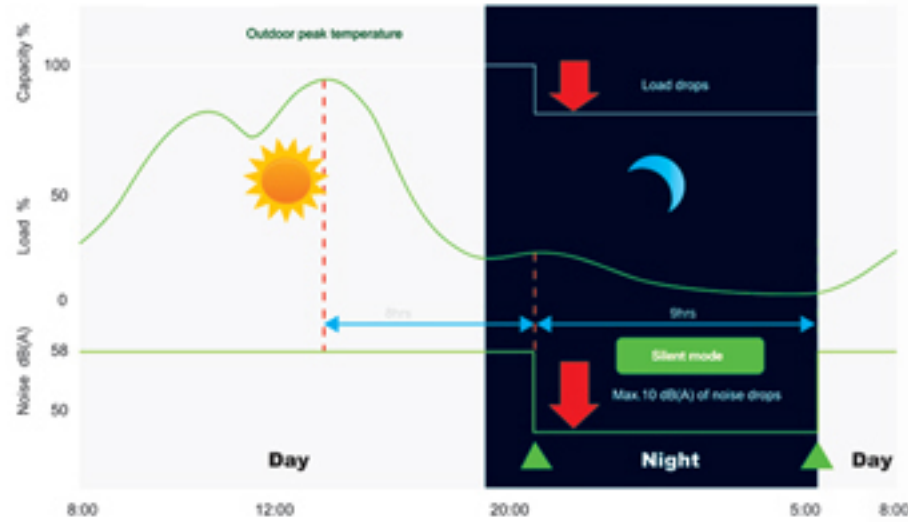
DC fan motor

بهترین در راندمان



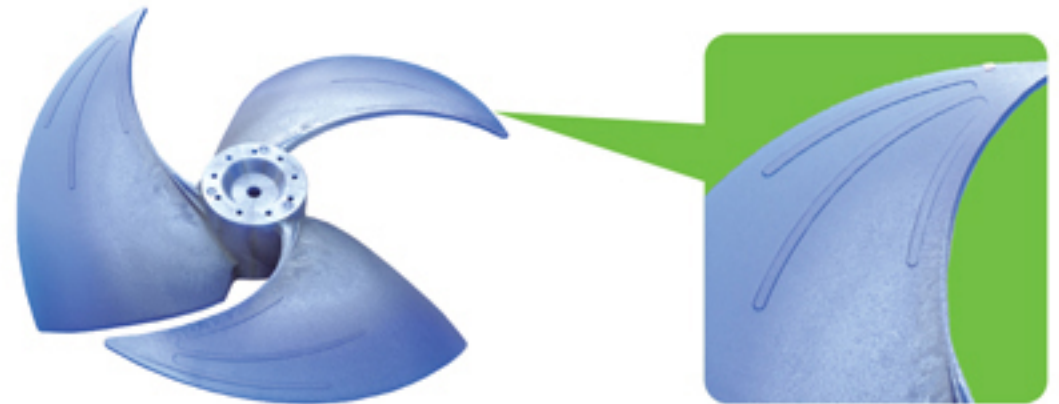
دارای بالاترین ضریب عملکرد و راندمان در دستگاه های تهویه مطبوع

کاهش صدا در شب



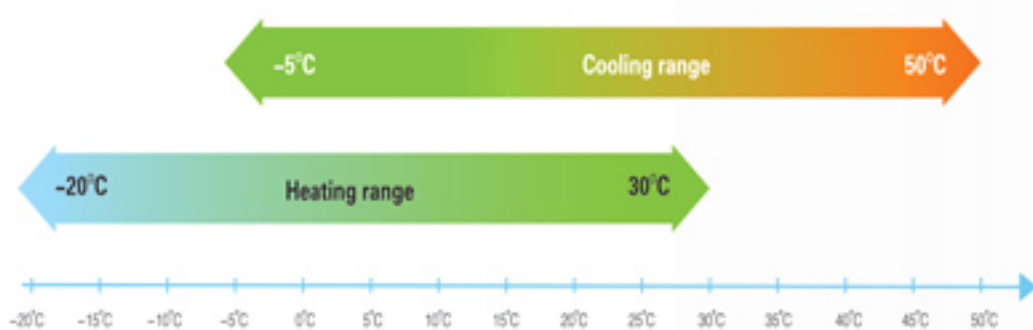
قابلیت تنظیم و کاهش صدای کمپرسور و فن تا ۱۰ دسی بل در شب

تیغه های فن بدون صدا



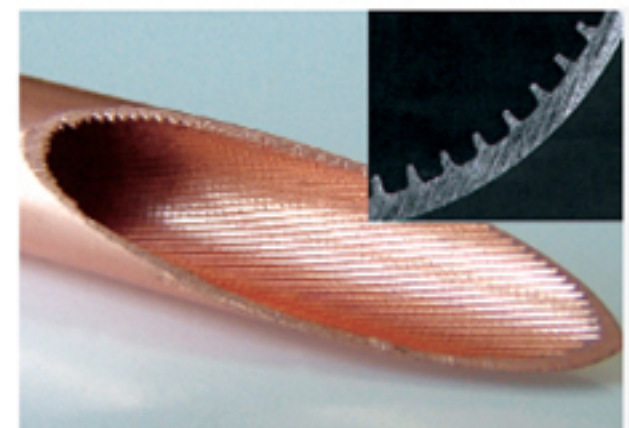
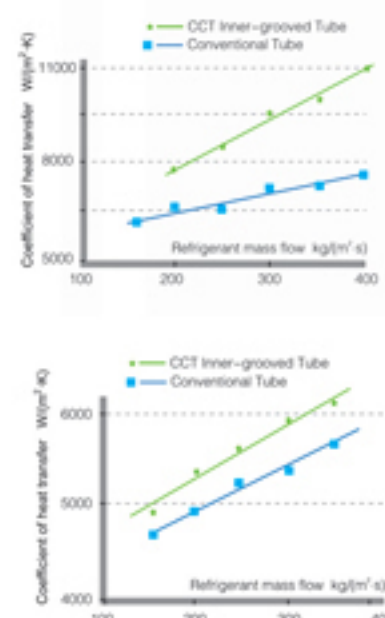
طراحی ویژه تیغه فن جهت کاهش ارتعاش و صدا

رنج کارکرد دما



عملکرد در حالت گرمایش تا 50°C تا -20°C و در سرمایش تا 50°C

لوله های شیاردار



شیار در لوله های با بالاترین ضریب انتقال حرارت

مدل های پایه

CMV -C is a upgraded product base on CMV -II, it has higher energy saving efficiency by adopting high efficiency big displacement compressors.



8/10HP

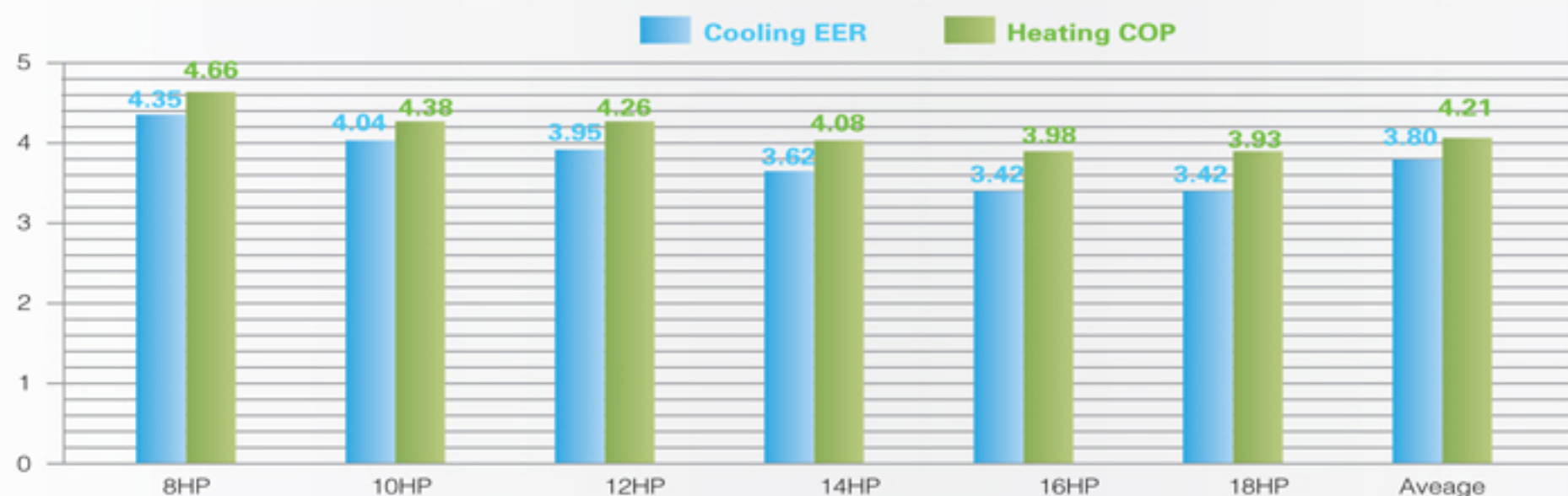


12/14/16/18HP

Capacity	8HP	10HP	12HP	14HP	16HP	18HP
		25.2kW	28kW	33.5kW	40kW	45kW
Compressor	DC	DC	DC	DC+FIX	DC+FIX	DC+FIX
Fan motor	DC	DC	DC+DC	DC+DC	DC+DC	DC+DC

Power type	208-230V	380-415V
50Hz / 3phase		●
60Hz / 3phase		●

راندمان EER & COP



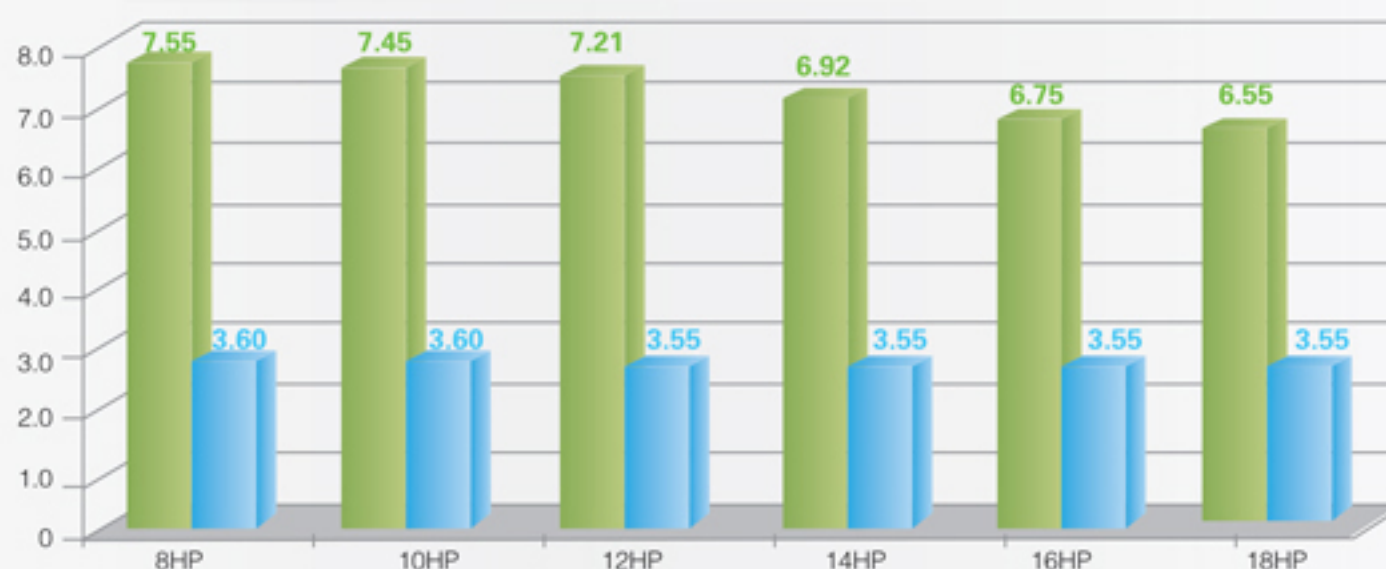
شاخصه IPLV(C)

IPLV: Integrated Part Load Value (ARI 550/590)
(C): Cooling condition

IPLV شاخصه ای است که میزان متوسط COP را در طول یک روز مشخص می کند.

در استاندارد ARI (استاندارد جهانی در تهیه مطبوع) این شاخصه با IPLV مشخص می شود که در نمودار روبرو نشان داده شده است.

● مشخصه استاندارد براساس استاندارد AHRI
● National Standard (GB 21454-2008)
● CMV-C

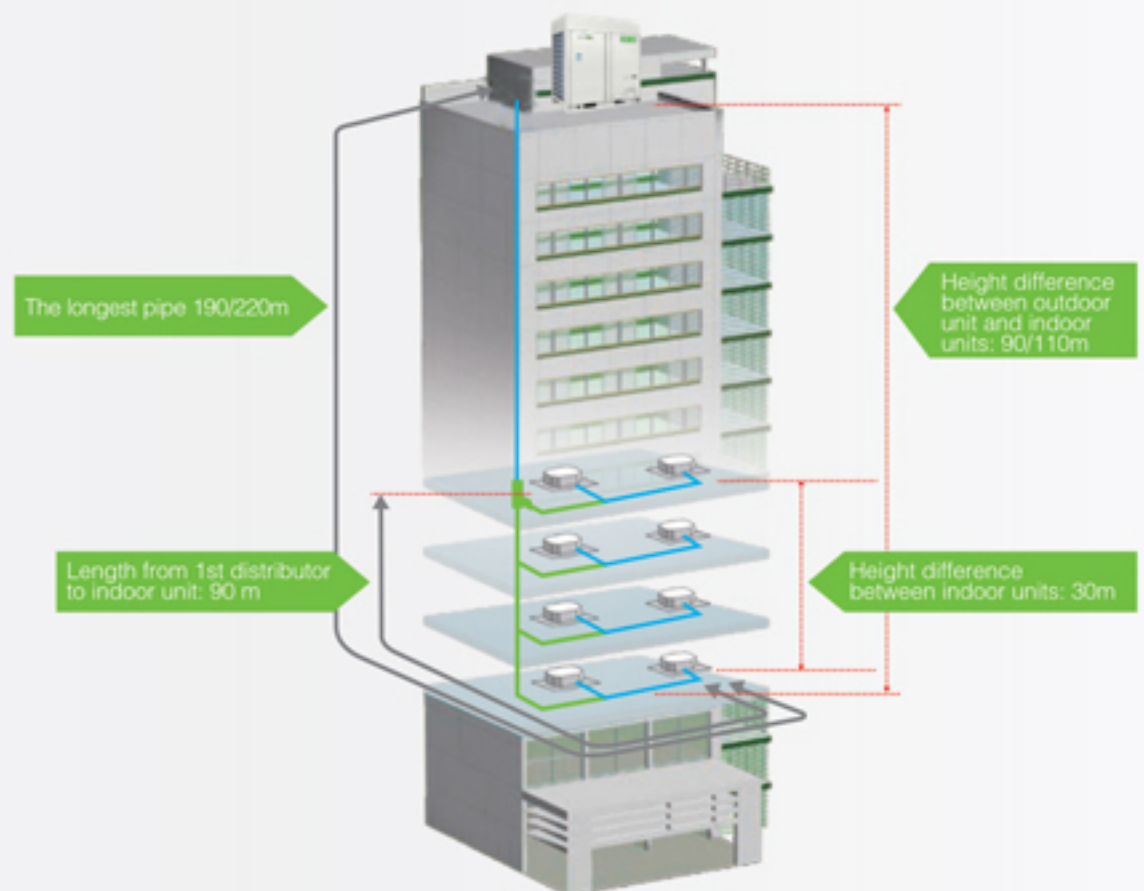


جدول ترکیب یونیت های داخلی و خارجی

Cooling Capacity		Cooling Capacity(KW)						Max. Connected Indoor Unit Quantity
HP	KW	8HP	10HP	12HP	14HP	16HP	18HP	
8	25.2	●						13
10	28		●					16
12	33.5			●				16
14	40				●			20
16	45					●		20
18	50						●	20
20	56		●●					24
22	61.5		●	●				24
24	68		●		●			28
26	73		●			●		28
28	78.5			●		●		28
30	85			●			●	32
32	90					●●		32
34	95					●	●	36
36	100						●●	36
38	106.5		●	●		●		36
40	113		●	●			●	42
42	118		●			●●		42
44	123.5			●		●●		42
46	130			●		●	●	48
48	135					●●●		48
50	140					●●	●	54
52	145					●	●●	54
54	150						●●●	54
56	156		●		●	●●		58
58	163		●			●●●		58
60	168.5			●		●●●		58
62	175			●		●●	●	64
64	180					●●●●		64
66	185					●●●	●	64
68	190					●●	●●	64
70	195					●	●●●	64
72	200						●●●●	64

طول لوله کشی و اختلاف ارتفاع

- مجموع طول لوله کشی : ۱۰۰۰ متر
- طول لوله کشی در یک خط : ۲۲۰ متر
- طول لوله کشی از اولین یونیت داخلی تا آخرین یونیت داخلی : ۹۰ متر
- ارتفاع بین یونیت خارجی تا یونیت داخلی:
- یونیت خارجی بالای یونیت داخلی > ۹۰ متر
- یونیت خارجی پایین یونیت داخلی > ۱۱۰ متر
- حداکثر ارتفاع بین یونیت های داخلی > ۳۰ متر



جدول مشخصات فنی CMV-C

2 modules combination								
22	24	26	28	30	32	34	36	38
CMV-V615W/ZR1-C	CMV-V680W/ZR1-C	CMV-V730W/ZR1-C	CMV-V785W/ZR1-C	CMV-V835W/ZR1-C	CMV-V900W/ZR1-C	CMV-V950W/ZR1-C	CMV-V1000W/ZR1	CMV-V1065W/ZR1-C
24	28	28	28	32	32	36	36	36
61.5	68.0	73.0	78.5	83.5	90.0	95.0	100.0	106.5
209000	232000	249000	267000	284000	307000	324000	341000	363000
17.4	19.3	20.7	22.3	23.7	25.5	27.0	28.4	30.2
15.43	18.00	20.11	21.64	23.10	26.32	27.78	29.24	28.59
3.99	3.78	3.63	3.63	3.61	3.42	3.42	3.42	3.73
69.0	76.5	81.5	87.5	93.5	100.0	106.0	112.0	119.0
235000	261000	278000	298000	319000	341000	361000	382000	406000
16.01	18.24	19.77	21.37	23.05	25.13	26.81	28.50	28.57
4.31	4.19	4.12	4.10	4.06	3.98	3.95	3.93	4.16
1+1	1+2		2+2		2+2		1+1+2	
Hermetic scroll								
R410A								
EXV								
10+12	10+14		12+14	14+14		14+16	16+16	10+12+14
DC motor								
1+2			2+2			1+2+2		
85								
/								
/								
/								
62			63			64		
Φ15.9								
Φ31.8			Φ34.9		Φ19.1		Φ41.3	
Φ19.1				Φ22.2		Φ41.3		
				Φ38.1		Φ41.3		
				Φ6.35				

4 modules combination									
54	56	58	60	62	64	66	68	70	72
CMV-V1500W/ZR1-C	CMV-V1580W/ZR1-C	CMV-V1630W/ZR1-C	CMV-V1685W/ZR1-C	CMV-V1735W/ZR1-C	CMV-V1800W/ZR1-C	CMV-V1850W/ZR1-C	CMV-V1900W/ZR1-C	CMV-V1950W/ZR1-C	CMV-V2000W/ZR1-C
54	58	58	58	64	64	64	64	64	64
150.0	158.0	163.0	168.5	173.5	180.0	185.0	190.0	195.0	200.0
511000	539000	556000	574000	591000	614000	631000	648000	665000	682000
42.6	44.9	46.3	47.9	49.3	51.1	52.6	54.0	55.4	56.8
43.86	44.31	46.42	47.95	49.42	52.63	54.09	55.56	57.02	58.48
3.42	3.57	3.51	3.51	3.51	3.42	3.42	3.42	3.42	3.42
168.0	176.5	181.5	187.5	193.5	200.0	206.0	212.0	218.0	224.0
573000	602000	619000	639000	660000	682000	702000	723000	743000	764000
42.75	43.36	44.90	46.49	48.18	50.25	51.94	53.62	55.31	57.00
3.93	4.07	4.04	4.03	4.02	3.98	3.97	3.95	3.94	3.93
2+2+2	1+2+2+2			2+2+2+2					
Hermetic scroll									
R410A									
EXV									
16+16+16	10+14+14+14	10+14+14+14	12+14+14+14	14+14+14+14		14+14+14+16	14+14+16+16	14+16+16+16	16+16+16+16
DC motor									
2+2+2	1+2+2+2		2+2+2+2			2+2+2+2			
85									
/									
/									
/									
64					64				
Ø22.2					Ø25.4				
Ø44.5					Ø44.5				
Ø25.4					Ø25.4				
Ø44.5					Ø54.0				
Ø6.35									

جدول مشخصات فنی **CMV-C**

HP		Basic modules							
HP		8	10	12	14	16	18	20	
Model Name	380~415V/3PH/50Hz	CMV-V252W/ZR1-C	CMV-V280W/ZR1-C	CMV-V335W/ZR1-C	CMV-V400W/ZR1-C	CMV-V450W/ZR1-C	CMV-V500W/ZR1-C	CMV-V560W/ZR1-C	
Max. Connected indoor units quantity		13	16	16	20	20	20	24	
Performance data									
Cooling	Capacity	KW	25.2	28.0	33.5	40.0	45.0	50.0	56.0
		Btu/h	85000	95000	114000	136000	153000	170500	191000
	Power input	RT	7.1	7.9	9.5	11.3	12.7	14.3	15.9
		KW	5.79	6.95	8.48	11.05	13.16	14.62	13.90
Heating	Capacity	W/W	4.35	4.03	3.95	3.62	3.42	3.42	4.03
		KW	27.4	31.5	37.5	45.0	50.0	56.0	63.0
	Power input	Btu/h	93000	107000	127000	153000	170000	190960	214000
		KW	5.88	7.21	8.80	11.03	12.56	14.25	14.42
COP		W/W	4.66	4.37	4.26	4.08	3.98	3.93	4.37
Physical data									
Compressor	Quantity	1			1+1			1+1	
	Type	Hermetic scroll							
Refrigerant	Type	R410A							
	Throttle type	EXV							
	Volume	Kg	10	12	14	16	10+10		
Motor	Type	DC motor							
	Quantity	1			2			1+1	
	ESP	Pa	85						
Dimension (W×H×D)	Net	mm	970×1620×765			1260×1620×765			
	Packing	mm	1030×1750×825			1315×1750×825			
Net weight		Kg	206	242	298	314			
Sound pressure level		dB(A)	58			60		61	
Piping data									
Total equivalent pipeline length < 90m	Liquid	mm	Φ12.7			Φ15.9		Φ15.9	
	Gas	mm	Ø22.2	Φ25.4	Φ28.6		Φ31.8	Φ31.8	
Total equivalent pipeline length ≥ 90m	Liquid	mm	Φ12.7			Φ15.9		Ø19.1	
	Gas	mm	Φ25.4	Φ28.6	Φ31.8		Φ31.8		
Oil balance pipe		mm	/						

- Notes:1. Cooling operating temperature range is from -5°C to 50°C. Heating operating temperature range is from -20°C to 30°C
 2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB
 3. The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB
 4. Sound level: measured at a point 1 m in front of the unit at a height of 1.3 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 5. The above data may be changed without notice for future improvement on quality and performance.

HP		3modules combination							
HP		40	42	44	46	48	50	52	
Model Name	380~415V/3PH/50Hz	CMV-V1115W/ZR1-C	CMV-V1180W/ZR1-C	CMV-V1235W/ZR1-C	CMV-V1285W/ZR1-C	CMV-V1350W/ZR1-C	CMV-V1400W/ZR1-C	CMV-V1450W/ZR1-C	
Max. Connected indoor units quantity		42	42	42	48	48	54	54	
Performance data									
Cooling	Capacity	KW	111.5	118.0	123.5	128.5	135.0	140.0	145.0
		Btu/h	380000	402000	421000	438000	460000	477000	494000
	Power input	RT	31.7	33.5	35.1	36.5	38.3	39.8	41.2
		KW	30.05	33.26	34.80	36.26	39.47	40.94	42.40
Heating	Capacity	W/W	3.71	3.55	3.55	3.54	3.42	3.42	3.42
		KW	125.0	131.5	137.5	145.5	150.0	156.0	162.0
	Power input	Btu/h	426000	448000	469000	489000	511000	532000	552000
		KW	30.26	32.33	33.93	35.61	37.69	39.37	41.06
COP		W/W	4.13	4.07	4.05	4.03	3.98	3.96	3.95
Physical data									
Compressor	Quantity	1+1+2		1+2+2		2+2+2		2+2+2	
	Type	Hermetic scroll							
Refrigerant	Type	R410A							
	Throttle type	EXV							
	Volume	Kg	10+14+14	12+14+14	14+14+14		14+14+16	14+16+16	
Motor	Type	DC motor							
	Quantity	1+2+2			2+2+2				
	ESP	Pa	85						
Dimension (W×H×D)	Net	mm	/						
	Packing	mm	/						
Net weight		Kg	/						
Sound pressure level		dB(A)	64						
Piping data									
Total equivalent pipeline length < 90m	Liquid	mm	Ø19.1			Ø22.2		Ø22.2	
	Gas	mm	Ø41.3			Ø44.5		Ø44.5	
Total equivalent pipeline length ≥ 90m	Liquid	mm	Ø22.2			Ø25.4		Ø25.4	
	Gas	mm	Ø41.3			Ø44.5		Ø44.5	
Oil balance pipe		mm	Ø6.35						

- Notes:1. Cooling operating temperature range is from -5°C to 50°C. Heating operating temperature range is from -20°C to 30°C
 2. The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB
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 4. Sound level: measured at a point 1 m in front of the unit at a height of 1.3 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 5. The above data may be changed without notice for future improvement on quality and performance.

مدل های پایه



8/10kW



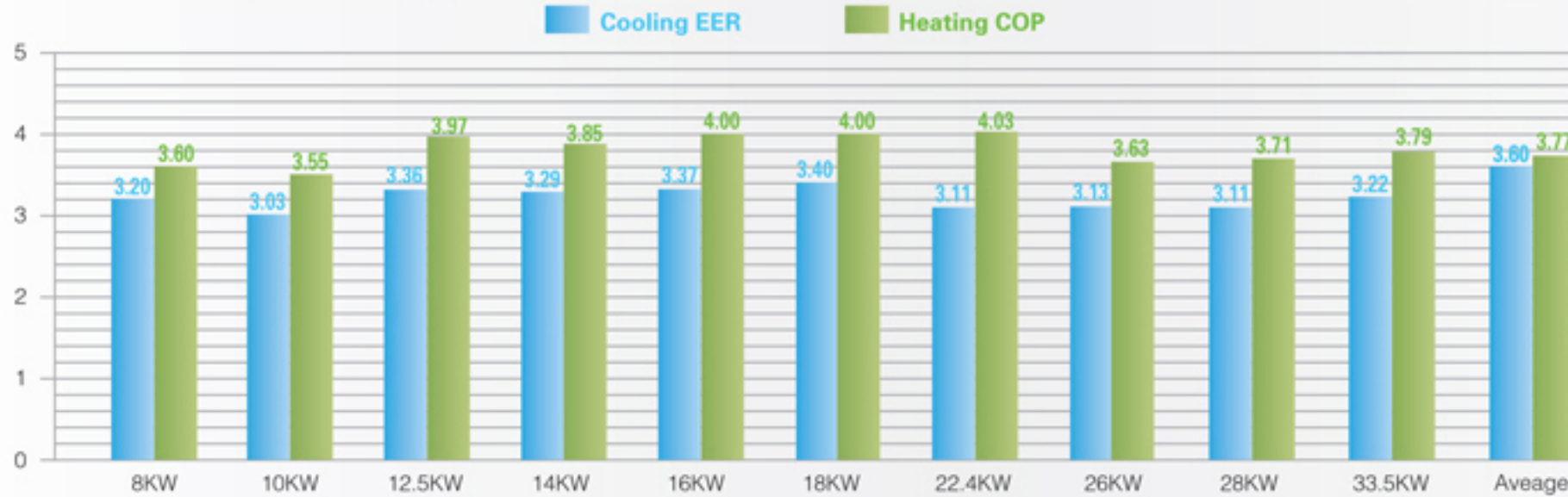
12.5/14/16/18kW



22.4/26/28/33.5kW

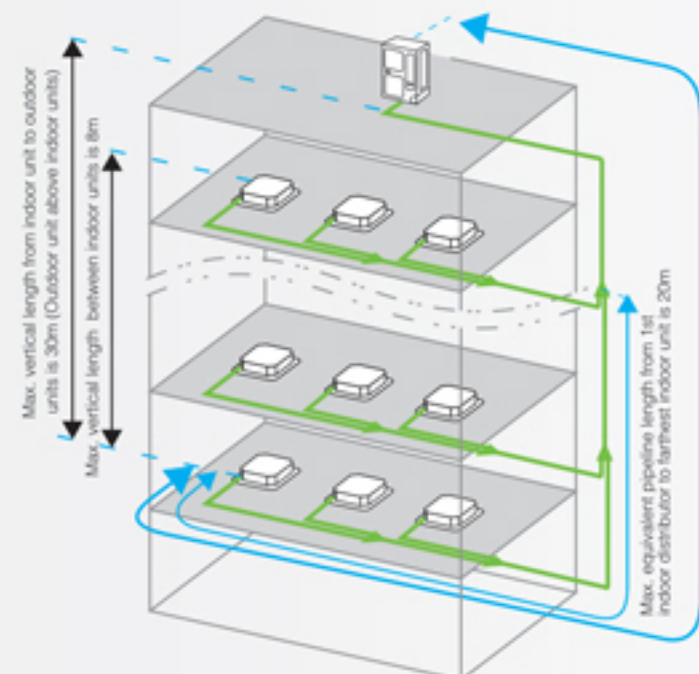
Capacity	8kW	10kW	12.5kW	14kW	16kW	18kW	22.4kW	26kW	28kW	33.5kW	
Compressor	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	
Fan motor	DC	DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	DC+DC	
Power type	208-230V					380-415V					
50HZ	1 phase	8/10/12.5/14/16kW					12.5/14/16/18/22.4/26/28/33.5kW				
	3 phase										
60HZ	1 phase	8/10/12.5/14/16kW					12.5/14/16/18/22.4/26/28/33.5kW				
	3 phase										

راندمان EER & COP



طول لوله کشی و اختلاف ارتفاع

- مجموع طول لوله کشی : ۱۲۰ متر
- طول لوله کشی در یک خط : ۶۰ متر
- طول لوله کشی از اولین یونیت داخلی تا آخرین یونیت داخلی : ۲۰ متر
- ارتفاع بین یونیت خارجی تا یونیت داخلی:
- یونیت خارجی بالای یونیت داخلی > ۳۰ متر
- یونیت خارجی پایین یونیت داخلی > ۲۰ متر
- حداکثر ارتفاع بین یونیت های داخلی > ۸ متر



جدول مشخصات فنی CMV Mini

Model name	Power type	Cooling				Heating				COP	Compressor		Motor		Refrigerant	Sound pressure Level dB(A)	Sound power Level dB(A)	Dimension(W×H×D)		Weight		Connecting		Max. Connected indoor units quantity												
		Capacity kW/Btu/h	Power input kW	Current A	EER	Capacity kW/Btu/h	Power input kW	Current A	Type		Quantity	Type	Quantity	Type				kg	Packing mm	Body mm	Net kg	Gross kg	Gas mm		Liquid mm											
CMV-V080WR1	220-240V-1ph-50Hz	8	27300	2.5	5.70	3.20	9	30700	2.5	6.04	3.60	DC/Twin-rotary	1	DC/fan motor	2	R410a	3	45-56	52-63	1145×1120×475	1054×994×399	80	92			4										
CMV-V100WR1	220-240V-1ph-50Hz	10	34000	3.3	7.10	3.03	11.5	39000	3.1	7.69	3.55											3												5		
CMV-V125WR1	220-240V-1ph-50Hz	12.5	42000	3.72	8.96	3.36	14	47000	3.52	9.68	3.97											3.1													6	
CMV-V125WZR1	380-415V-3ph-50Hz	12.5	42000	3.72	5.24	3.36	14	47000	3.52	5.67	3.97											3.1													6	
CMV-V140WR1	220-240V-1ph-50Hz	14	47000	4.25	10.50	3.29	16	54000	4.15	11.40	3.85											3.45													7	
CMV-V140WZR1	380-415V-3ph-50Hz	14	47000	4.25	6.17	3.29	16	54000	4.15	6.67	3.85											3.45	45-58	52-65	964×1445×402	900×1328×400	93	104						7		
CMV-V160WR1	220-240V-1ph-50Hz	16	54000	4.75	12.11	3.37	18	61000	4.50	13.60	4.00											4.2													8	
CMV-V160WZR1	380-415V-3ph-50Hz	16	54000	4.75	7.10	3.37	18	61000	4.50	7.95	4.00											4.2													8	
CMV-V180WZR1	380-415V-3ph-50Hz	18	61000	5.3	8.05	3.40	20	63000	5.0	8.71	4.00											4.2													9	
CMV-VH224WZR1	380-415V-3ph-50Hz	22.4	76500	7.2	10.5	3.11	25	85300	6.2	9.9	4.03											6.1	45-58	52-65	1278×1696×560	1120×1549×400	145	165						10		
CMV-VH260WZR1	380-415V-3ph-50Hz	26	88700	8.3	12.1	3.13	28.5	97300	7.85	11.1	3.63											6.1	46-60	55-66					145	165						12
CMV-VH280WZR1	380-415V-3ph-50Hz	28	95500	9	13.6	3.11	30.5	104000	8.5	12.9	3.71											8	47-60	56-66					176	196						15
CMV-VH335WZR1	380-415V-3ph-50Hz	33.5	114200	10.4	14.9	3.22	37.5	127900	9.9	14.2	3.79											8	48-62	57-68					176	196						18

Notes:
 1. The cooling conditions: indoor temp.: 27°C DB (80.6°F), 19°C WB (60°F) outdoor temp.: 35°C DB (95°F) equivalent pipe length: 5m drop length: 0m.
 2. The heating conditions: indoor temp.: 20°C DB (68°F), 15°C WB (44.6°F) outdoor temp.: 7°C DB (42.8°F) equivalent pipe length: 5m drop length: 0m.
 3. Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.2 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 4. The above data may be changed without notice for future improvement on quality and performance.

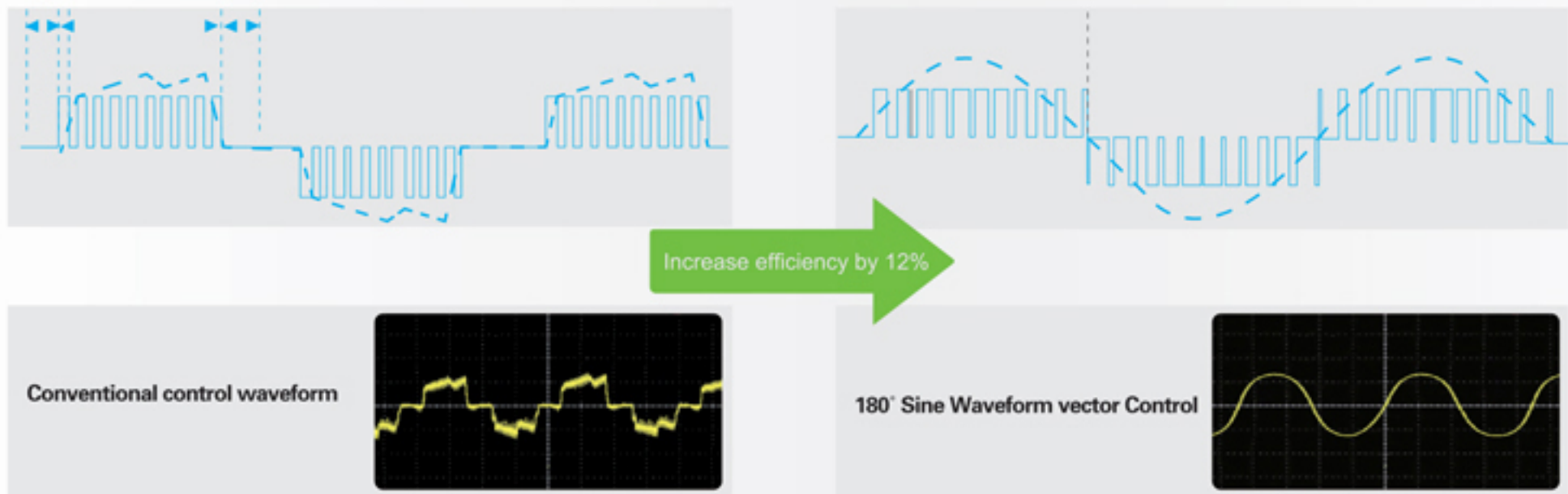
الکتروموتور DC INVERTER با راندمان بالا

- High efficiency DC fan motor
- Low noise and high efficiency because of high-density wire winding engineering
- Brushless with built-in sensor



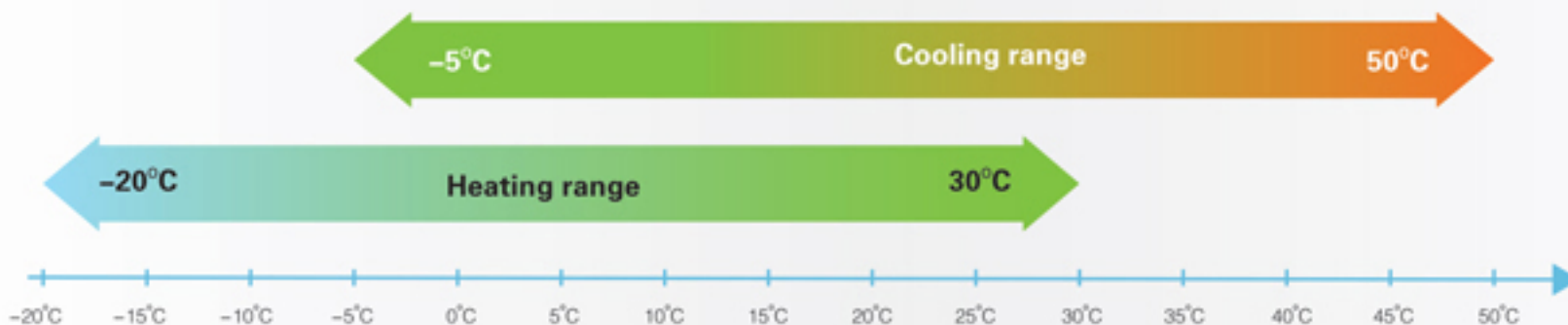
کنترل سینوسی کمپرسور

The perfect combination of 180° Sine wave rotor frequency drive control technology and excellent IPM inverters, reduces the reactive loss of motor-driven, increases motor efficiency by 12%.



رنج دمایی کارکرد در سرمایش و گرمایش

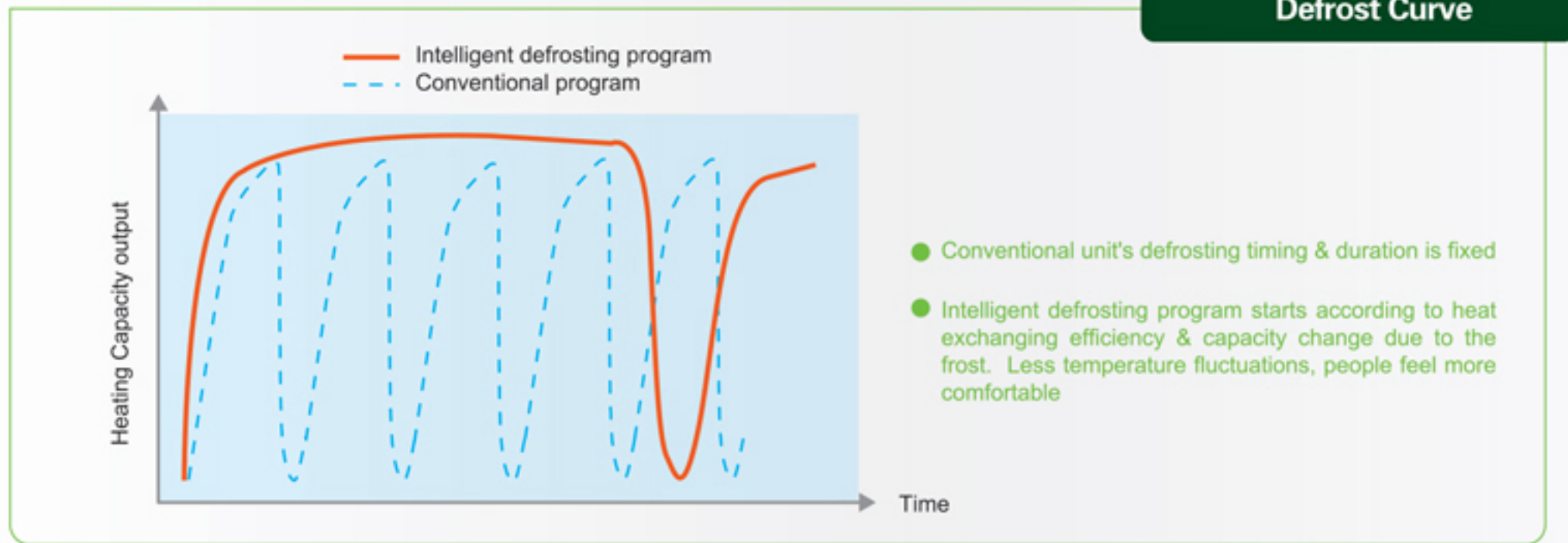
- Because global warming is getting worse, Max. cooling operating temperature is increased to 50°C.
- Heating operating temperature is down to -20°C. In the cold winter, system can heat the room continuously.



- Outdoor unit running at temperature above 50°C need customized in factory, please consult to sales engineer.

برنامه یخ زدایی هوشمند

Program starts only when unit needs to. Whereas conventional unit's defrosting timing & duration is fixed, causing fluctuations in temperature and personal comfort.



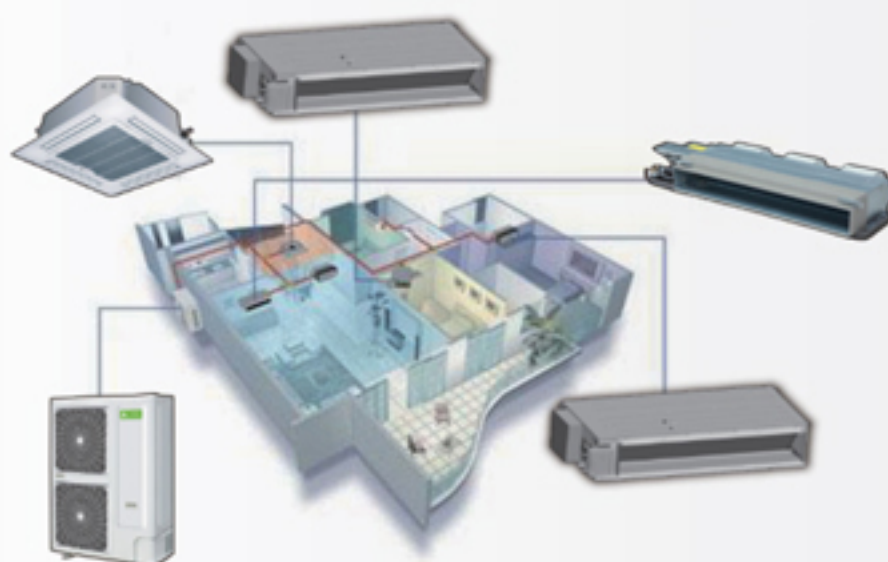
فن با قابلیت حفاظت در برابر وزش باد

In standby, if the outdoor fan motor is rotating in opposite direction at a high speed by the wind or other natural factors, the unit can't start so as to keep the fan motor from broken down. It will start when the fan motor speed slow down.



امکان نصب در محل دلخواه

- Multiple indoor units can be connected to 1 outdoor unit, and long piping connection is also possible.
- Compare to one-drive-one type, the outdoor unit can be installed in various places to realize the space-saving installation.



اصلاح کننده PPC

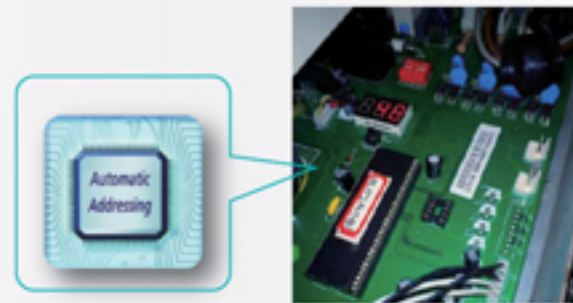
- PFC: Power Factor Corrector
- There will be a power loss because of the different phases between the voltage and current.
- With the PFC module, the power utilization rate is higher, power factor can be up to 98%. System will be more efficiency.



- **Power factor** refers to the relationship between effective power and total power consumption, power factor is effective power divided by total power consumption.
- **Power factor** can measure power utilization rate, the power factor bigger, the higher power utilization rate.

عیب یاب خودکار

- Automatically addressing: system will distribute address to indoor unit automatically
- Automatic addressing will reduce artificial faults and manual works.



نمایشگر LED خطای دستگاه

- LED display on the PCB, it can show system's operation status and error codes.



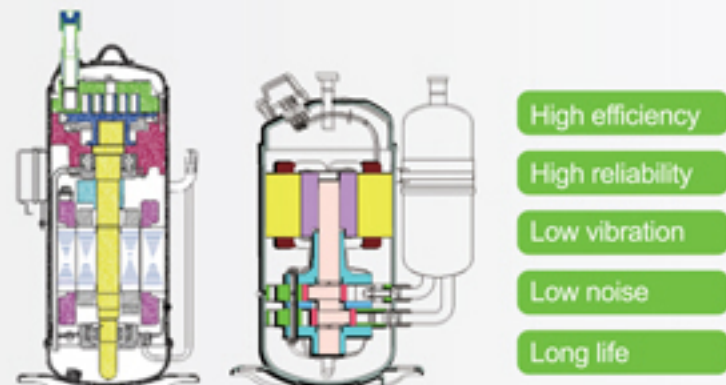
کمپرسور روتاری دوقلو DC INVERTER

- Twin-rotary DC inverter compressor (for 8-26kw model)/Hermetic scroll inverter compressor (for 28-33.5kw model)
 - Use high efficiency and reliability compressor
 - Has very good efficiency in part load condition
- High Efficiency, Low Noise:

Optimized the efficiency and noise during operation with the latest technology.
- Environmental Protection:

Developed the compressor with alternative refrigerant which can protect environment.
- Low Vibration:

Reduced the vibration during compressor start and operation by using 2CYL Structure, simplified the match of air-conditioning.



یونیت های داخلی در یک نگاه

Capacity (KW)	1-way cassette	2-way cassette	4-way cassette	4-way cassette (compact type)	Wall-mounted
2.2	●			●	●
2.8	●		●	●	●
3.6	●		●	●	●
4.5	●	●	●	●	●
5.6	●	●	●		●
7.1	●	●	●		●
8.0		●	●		
9.0		●	●		
10.0		●	●		
11.2		●	●		
12.0					
12.5		●	●		
14.0		●	●		
15.0					
16.0			●		

Capacity (KW)	Floor Ceiling	Short ceiling concealed ducted unit	Medium ESP ducted unit	High ESP ducted unit	Fresh air processor
2.2		●			
2.8		●			
3.6		●			
4.5	●	●			
5.6	●	●			
7.1	●	●	●	●	
8.0	●		●	●	
9.0	●		●	●	
10.0			●	●	
11.2	●				
12.0			●	●	
14.0	●				●
15.0			●		
16.0	●				
20.0				●	
22.4					●
25.0				●	
28.0				●	●
45.0				●	●
56.0				●	●

یونیت های داخلی Indoor Units Line Up



1-way Cassette

یونیت سقفی کاستی یکطرفه



Controller			
Standard	Optional		
Wireless	Wireless	Wired	Centralized

12

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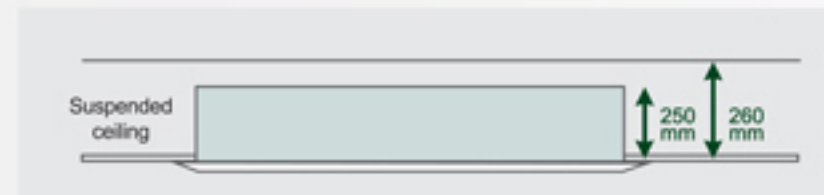
Features

Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
/	Standard	Standard (built-in)	Standard (built-in)	Standard	/

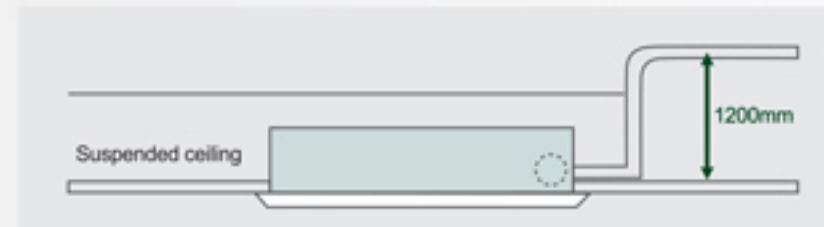
Slim body, easy to install

Has slim body with 250mm height, it is specially suitable for low suspended ceiling rooms.



Built-in with drainage pump

Built-in with low noise long life drainage pump, Pumping head is 1200mm, flexible for drainage pipe design.



Specification

Model name	Power type	Capacity				Motor input	Air flow	Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller		
		Cooling		Heating						Packing	Body	Panel packing	Panel	Net	Gross	Gas	Liquid	Drain			
		kW	kBtu/h	kW	kBtu/h	kW	m ³ /h	CFM	dB(A)	Pa	mm	mm	mm	mm	kg	kg	mm	mm	mm		
CMV-V22Q1/HR1-B	50Hz	2.2	7.5	2.5	8.5	0.04	520	306	32~36	/	1170×280×640	994×250×532	1100×70×560	1070×50×520	24/3.6	265.0	Φ9.53	Φ6.35	OD Φ25	Remote controller	
CMV-V22Q1/HNR1-B	60Hz																				
CMV-V28Q1/HR1-B	50Hz	2.8	9.5	3.2	10.9																
CMV-V28Q1/HNR1-B	60Hz																				
CMV-V36Q1/HR1-B	50Hz	3.6	12.2	4.0	13.6	0.05	610	380	36~41	/	1170×320×640	994×290×532	1100×70×560	1070×50×520	24/3.6	265.0	Φ12.7	Φ6.35	OD Φ25	Remote controller	
CMV-V36Q1/HNR1-B	60Hz																				
CMV-V45Q1/HR1-B	50Hz	4.5	15.3	5.0	17.0	0.07	750	440	35~41	/	1470×295×690	1304×290×572	1390×70×560	1380×50×520	34/3.6	385.0	Φ15.9	Φ9.53	OD Φ25	Remote controller	
CMV-V45Q1/HNR1-B	60Hz																				
CMV-V56Q1/HR1-B	50Hz	5.6	19.1	6.3	21.4	0.09	950	550	38~45	/	1470×295×690	1304×290×572	1390×70×560	1380×50×520	34/3.6	385.0	Φ15.9	Φ9.53	OD Φ25	Remote controller	
CMV-V56Q1/HNR1-B	60Hz																				
CMV-V71Q1/HR1-B	50Hz	7.1	24.2	8.0	27.2																
CMV-V71Q1/HNR1-B	60Hz																				

Notes:
 1. Power supply: 220~240V/1PH for 50Hz; 208~230V/1PH for 60Hz
 2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB
 3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 4. The above data may be changed without notice for future improvement on quality and performance.

2-way Cassette

یونیت سقفی کاستی دو طرفه



Controller			
Standard	Optional		
Wireless	Wireless	Wired	Centralized

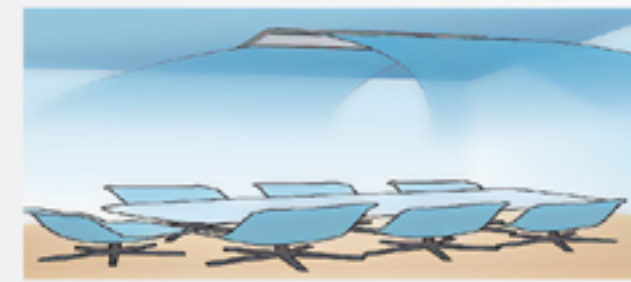
Features

Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
/	Standard	Standard (built-in)	Standard (built-in)	Standard	/

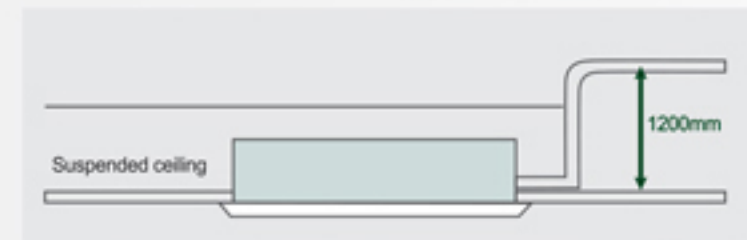
2 way air direction

Two direction air flow, flexibly install in various rooms or hallway



Built-in with drainage pump

Built-in with low noise long life drainage pump, Pumping head is 1200mm, flexible for drainage pipe design.



Specification

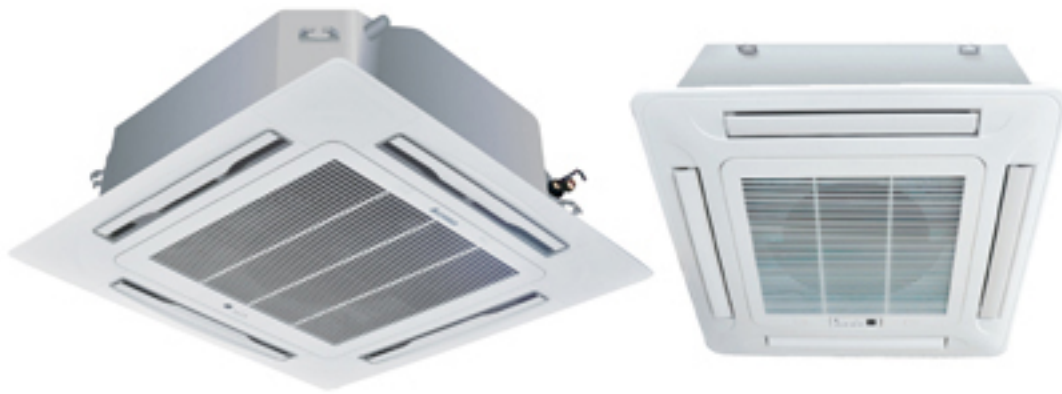
Model name	Power type	Capacity				Motor input	Air flow		Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller
		Cooling		Heating			m³/h	CFM			Packing	Body	packing	Panel	Net	Gross	Gas	Liquid	Drain	
kW	kBtu/h	kW	kBtu/h	kW	dB(A)	Pa			mm	mm										mm
CMV-V45Q2/HR1-B	50Hz	4.5	15.3	5.0	17	0.07	800	470	36~42	/	1200x370x640	1068x310x517	1240x70x660	1205x50x630	336.5	368.5	Φ12.7	Φ6.35		
CMV-V45Q2/HNR1-B	60Hz																			
CMV-V56Q2/HR1-B	50Hz	5.6	19.1	6.3	21.4	0.10	1120	650	40~46	/	1460x370x640	1380x310x517	1480x70x660	1445x50x630	407.5	43/10.0				
CMV-V56Q2/HNR1-B	60Hz																			
CMV-V71Q2/HR1-B	50Hz	7.1	24.2	8.0	27.2	0.14	1550	910	40~46	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5	Φ15.9	Φ9.53	OD Φ25	Remote controller
CMV-V71Q2/HNR1-B	60Hz																			
CMV-V80Q2/HR1-B	50Hz	8.0	27.2	9.0	30.7	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V80Q2/HNR1-B	60Hz																			
CMV-V90Q2/HR1-B	50Hz	9.0	30.7	10.0	34.1	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V90Q2/HNR1-B	60Hz																			
CMV-V100Q2/HR1-B	50Hz	10.0	34.1	11.0	37.5	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V100Q2/HNR1-B	60Hz																			
CMV-V112Q2/HR1-B	50Hz	11.2	38.2	12.5	42.6	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V112Q2/HNR1-B	60Hz																			
CMV-V125Q2/HR1-B	50Hz	12.5	42.6	14.0	47.7	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V125Q2/HNR1-B	60Hz																			
CMV-V140Q2/HR1-B	50Hz	14.0	47.7	15.0	51.1	0.16	1650	970	43~48	/	1935x370x640	1788x310x517	1935x70x660	1925x50x630	569.0	62/11.5				
CMV-V140Q2/HNR1-B	60Hz																			

Notes:

- Power supply: 220-240V/1PH for 50Hz; 208-230V/1PH for 60Hz
- Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB
- Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- The above data may be changed without notice for future improvement on quality and performance.

4-way Cassette

یونیت سقفی کاستی چهار طرفه



Controller			
Standard	Optional		
Wireless	Wireless	Wired	Centralized

Features

Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
/	Standard	Standard (built-in)	Standard (built-in)	Standard	Optional

Specification

4-way Cassette Unit

Model name	Power type	Capacity				Motor input kW	Air flow		Sound Level dB(A)	ESP Pa	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller
		Cooling kW	Cooling kBtu/h	Heating kW	Heating kBtu/h		m ³ /h	CFM			Packing mm	Body mm	packing mm	Panel mm	Net kg	Gross kg	Gas mm	Liquid mm	Drain mm	
CMV-V28Q/HR1-C	50Hz	2.8	9.5	3.2	10.9	0.054	810	470	35-39	/	920×265×960	833×232×900	1030×105×1030	950×50×950	24	30	Φ9.53	Φ6.35	OD Φ25	Remote controller
CMV-V28Q/HR1-C	60Hz																			
CMV-V36Q/HR1-C	50Hz	3.6	12.2	4.0	13.6															
CMV-V36Q/HR1-C	60Hz																			
CMV-V45Q/HR1-C	50Hz	4.5	15.3	5.0	17															
CMV-V45Q/HR1-C	60Hz																			
CMV-V56Q/HR1-C	50Hz	5.6	19.1	6.3	21.4	0.054	810	470	35-39		24	30	Φ12.7	Φ6.35						
CMV-V56Q/HR1-C	60Hz																			
CMV-V71Q/HR1-C	50Hz	7.1	24.2	8.0	27.2	0.093	1200	700	36-39		24	30								
CMV-V71Q/HR1-C	60Hz																			
CMV-V80Q/HR1-C	50Hz	8	27.2	8.8	30	0.16	1600	940	37-41		24	30								
CMV-V80Q/HR1-C	60Hz																			
CMV-V90Q/HR1-C	50Hz	9	30.7	10.0	34.1	0.16	1600	940	37-41	28.5	35									
CMV-V90Q/HR1-C	60Hz																			
CMV-V100Q/HR1-C	50Hz	10	34.1	11.0	37.5	0.16	1600	940	37-41	28.5	35	Φ15.9	Φ9.53							
CMV-V100Q/HR1-C	60Hz																			
CMV-V112Q/HR1-C	50Hz	11.2	38.2	12.5	42.6	0.16	1600	940	37-41	28.5	35									
CMV-V112Q/HR1-C	60Hz																			
CMV-V125Q/HR1-C	50Hz	12.5	42.6	14.0	47.7	0.16	1600	940	37-41	28.5	35									
CMV-V125Q/HR1-C	60Hz																			
CMV-V140Q/HR1-C	50Hz	14.0	47.7	15.0	51.1	0.16	1600	940	37-41	28.5	35									
CMV-V140Q/HR1-C	60Hz																			
CMV-V160Q/HR1-C	50Hz	16.0	54.5	17.0	58	0.16	1600	940	37-41	28.5	35									
CMV-V160Q/HR1-C	60Hz																			

4-way Cassette Unit (Compact type)

Model name	Power type	Capacity				Motor input kW	Air flow		Sound Level dB(A)	ESP Pa	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller
		Cooling kW	Cooling kBtu/h	Heating kW	Heating kBtu/h		m ³ /h	CFM			Packing mm	Body mm	packing mm	Panel mm	Net kg	Gross kg	Gas mm	Liquid mm	Drain mm	
CMV-V22Q4/HR1-B	50Hz	2.2	7.5	2.5	8.5	0.065	500	290	35-38	/	745×375×675	633×275×580	750×95×750	650×30×650	23	25			OD Φ25	Remote controller
CMV-V22Q4/HR1-B	60Hz																			
CMV-V28Q4/HR1-B	50Hz	2.8	9.5	3.2	10.9	0.070	600	350	35-38						23	25	Φ9.53			
CMV-V28Q4/HR1-B	60Hz																			
CMV-V36Q4/HR1-B	50Hz	3.6	12.2	4.0	13.6	0.075	750	440	35-39						26	28				
CMV-V36Q4/HR1-B	60Hz																			
CMV-V45Q4/HR1-B	50Hz	4.5	15.3	5.0	17	0.075	750	440	35-39		26	28	Φ12.7							
CMV-V45Q4/HR1-B	60Hz																			

Notes: 1. Power supply: 220-240V/1PH/50Hz;

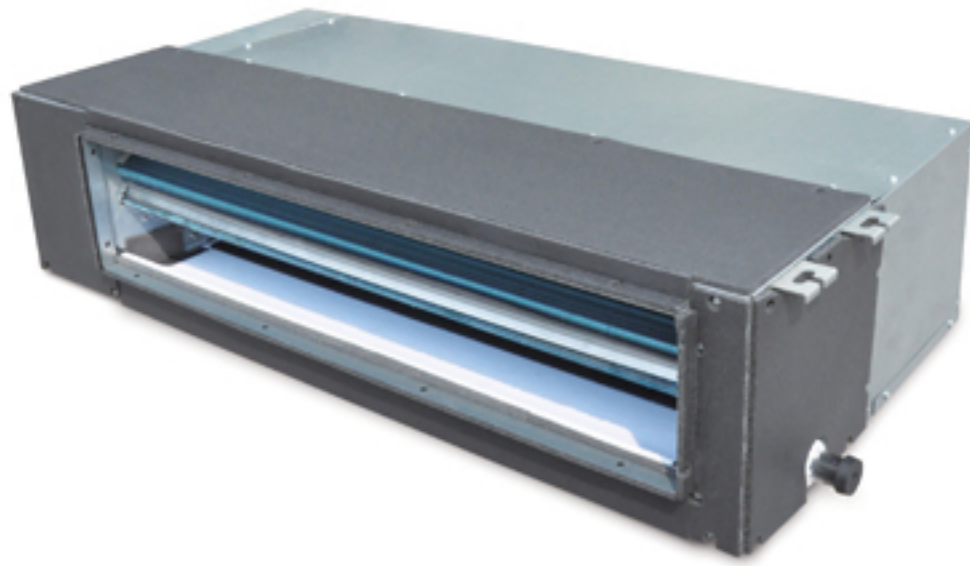
2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB;

3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions;

4. The above data may be changed without notice for future improvement on quality and performance.

Short Ceiling Concealed Ducted Unit

یونیت سقفی توکار باریک با فشار استاتیکی کم



Controller			
Standard	Optional		
Wired	Wired	Wireless	Centralized

Features

● Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
Standard	Optional	Standard (built-in)	Optional	Standard	Optional

Specification

Model name	Power type	Capacity				Motor input	Air flow		Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller										
		Cooling		Heating			m³/h	CFM			Packing	Body	Packing	Panel	Net	Gross	Gas	Liquid	Drain											
		kW	kBtu/h	kW	kBtu/h																mm	mm	mm	mm	kg	kg	mm	mm	mm	
CMV-V22TAHR1-C	50Hz	2.2	7.5	2.5	8.5	0.05	450	260	24~29	30	910×240×530	700×210×467	/	/	16	19	Φ9.53	OD Φ25	Wired controller											
CMV-V22TAHNR1-C	60Hz																													
CMV-V28TAHR1-C	50Hz	2.8	9.5	3.2	10.9																						16	19		
CMV-V28TAHNR1-C	60Hz																													
CMV-V36TAHR1-C	50Hz	3.6	12.2	4	13.6	0.07	550	324	25~32						16	19	Φ6.35	OD Φ25	Wired controller											
CMV-V36TAHNR1-C	60Hz																													
CMV-V45TAHR1-C	50Hz	4.5	15.3	5	17	0.08	620	360	33~38						16	19				Φ12.7	OD Φ25	Wired controller								
CMV-V45TAHNR1-C	60Hz																													
CMV-V56TAHR1-C	50Hz	5.6	19.1	6.3	21.4	0.09	900	520	27~38						19	22.5	Φ15.9	Φ9.53	Wired controller											
CMV-V56TAHNR1-C	60Hz																													
CMV-V71TAHR1-C	50Hz	7.1	24.2	8	27.2	0.11	1100	640	29~39						22	26														
CMV-V71TAHNR1-C	60Hz																													

Notes:1. Power supply: 220~240V/1PH for 50Hz; 208~230V/1PH for 60Hz.

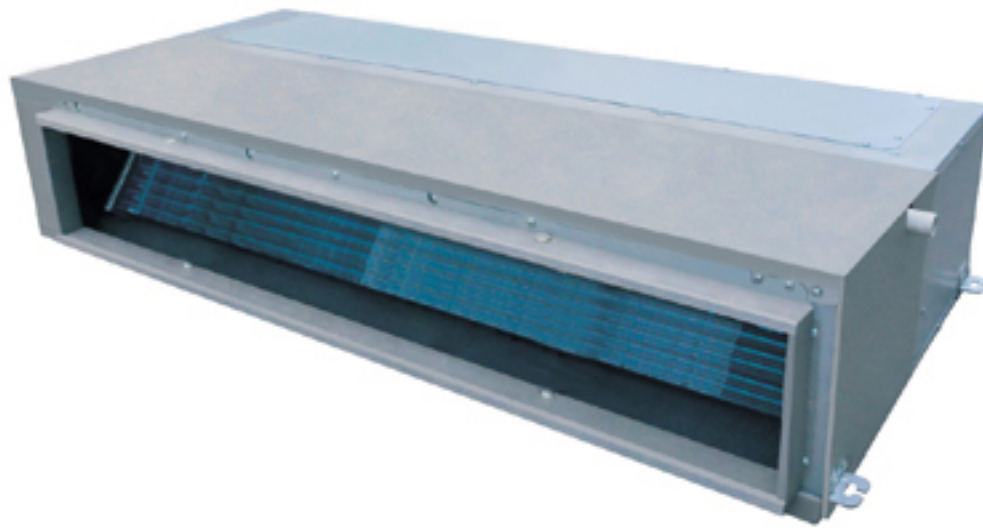
2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.

3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

4. The above data may be changed without notice for future improvement on quality and performance.

Medium Static Pressure Ducted Unit

یونیت سقفی توکار باریک با فشار استاتیکی متوسط



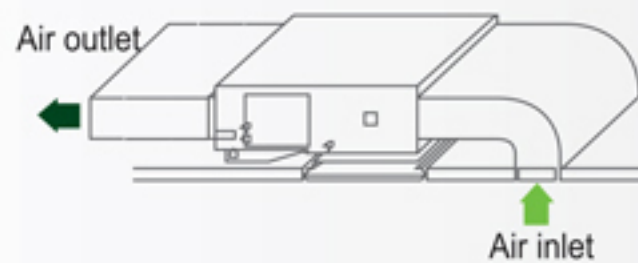
Controller			
Standard	Optional		
Wired	Wired	Wireless	Centralized

Features

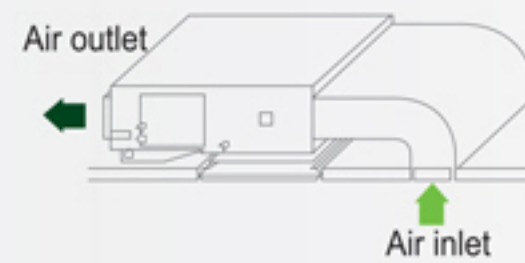
Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
Standard	Standard	Standard (built-in)	Optional	Standard	Optional

Standard ESP is 70Pa, 30Pa can be customized.



70Pa ESP, suitable for long distance air supply



30Pa (can be set on site), suitable for low noise requirement rooms

Specification

Model name	Power type	Capacity				Motor input	Air flow		Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller
		Cooling		Heating			m ³ /h	CFM			Packing	Body	packing	Panel	Net	Gross	Gas	Liquid	Drain	
		kW	kBtu/h	kW	kBtu/h															
CMV-V71TB/HR1-B	50Hz	7.1	24.2	8.0	27.2	0.30	1220	710	36-41	70	1245×320×720	1209×260×680			33	37				Wired controller
CMV-V71TB/HNR1-B	60Hz																			
CMV-V80TB/HR1-B	50Hz	8.0	27.2	9.0	30.7	0.34	1850	1080	38-43	70	1480×320×720	1445×260×680			46	50	Φ15.9	Φ9.53	OD Φ25	Wired controller
CMV-V80TB/HNR1-B	60Hz																			
CMV-V90TB/HR1-B	50Hz	9.0	30.7	10.0	34.1	0.34	2000	1170	40-44	70	1480×320×720	1445×260×680			46	50	Φ15.9	Φ9.53	OD Φ25	Wired controller
CMV-V90TB/HNR1-B	60Hz																			
CMV-V100TB/HR1-B	50Hz	10.0	34.1	11.0	37.5	0.34	2000	1170	40-44	70	1480×320×720	1445×260×680			46	50	Φ15.9	Φ9.53	OD Φ25	Wired controller
CMV-V100TB/HNR1-B	60Hz																			
CMV-V120TB/HR1-B	50Hz	12.0	40.9	13.0	44.3	0.34	2000	1170	40-44	70	1480×320×720	1445×260×680			46	50	Φ15.9	Φ9.53	OD Φ25	Wired controller
CMV-V120TB/HNR1-B	60Hz																			
CMV-V150TB/HR1-B	50Hz	15.0	51.1	17.0	58	0.34	2000	1170	40-44	70	1480×320×720	1445×260×680			46	50	Φ15.9	Φ9.53	OD Φ25	Wired controller
CMV-V150TB/HNR1-B	60Hz																			

Notes: 1. Power supply: 220~240V/1PH for 50Hz; 208~230V/1PH for 60Hz
 2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB
 3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 4. The above data may be changed without notice for future improvement on quality and performance.

High Static Pressure Ducted Unit

یونیت سقفی توکار باریک با فشار استاتیکی زیاد



Controller			
Standard	Optional		
Wired	Wired	Wireless	Centralized

Features

• Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
Standard	Standard	Standard (built-in)	Optional	Standard	/

Specification

Model name	Power type	Capacity				Motor input	Air flow	Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller
		Cooling		Heating						Packing	Body	Packing	Panel	Net	Gross	Gas	Liquid	Drain	
		kW	kBtu/h	kW	kBtu/h														
CMV-V71THHR1-B	50Hz	7.1	24.2	7.8	26.6	0.34	1500	880	40-42	1480×320×720	1445×260×680	/	/	46	50	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V71THHNR1-B	60Hz																		
CMV-V80THHR1-B	50Hz	8.0	27.2	8.8	30	0.34	1500	880	40-42	1480×320×720	1445×260×680	/	/	46	50	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V80THHNR1-B	60Hz																		
CMV-V90THHR1-B	50Hz	9.0	30.7	10.0	34.1	0.34	1500	880	40-42	1480×320×720	1445×260×680	/	/	46	50	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V90THHNR1-B	60Hz																		
CMV-V100THHR1-B	50Hz	10.0	34.1	11.0	37.5	0.45	2300	1350	44-52	1245×445×655	1190×370×620	/	/	47	51	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V100THHNR1-B	60Hz																		
CMV-V120THHR1-B	50Hz	12.0	40.9	13.0	44.3	0.45	2300	1350	44-52	1245×445×655	1190×370×620	/	/	47	51	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V120THHNR1-B	60Hz																		
CMV-V150THHR1-B	50Hz	15.0	51.1	17.0	58.0	0.45	2300	1350	44-52	1245×445×655	1190×370×620	/	/	47	51	φ15.9	φ9.53	OD φ25	Wired controller
CMV-V150THHNR1-B	60Hz																		
CMV-V200THHR1-B	50Hz	20.0	68.2	22.0	75.0	1.2	4000	2350	45-53	1510×490×870	1465×448×811	/	/	102	106	φ22.2	φ12.7	OD φ32	Wired controller
CMV-V200THHNR1-B	60Hz																		
CMV-V250THHR1-B	50Hz	25.0	85.3	27.5	93.8	1.2	4200	2470	45-54	1510×490×870	1465×448×811	/	/	102	106	φ22.2	φ12.7	OD φ32	Wired controller
CMV-V250THHNR1-B	60Hz																		
CMV-V280THHR1-B	50Hz	28.0	95.5	30.8	105.0	1.2	4400	2580	45-55	1510×490×870	1465×448×811	/	/	102	106	φ22.2	φ12.7	OD φ32	Wired controller
CMV-V280THHNR1-B	60Hz																		
CMV-V450THHR1-B	50Hz	45.0	153.5	50.0	170.6	1.6	6000	3520	60	2264×840×1050	2165×676×916	/	/	222	260	φ28.6	φ15.9	OD φ32	Wired controller
CMV-V450THHNR1-B	60Hz																		
CMV-V560THHR1-B	50Hz	56.0	191.0	63.0	214.9	2.5	8000	4700	64	2264×840×1050	2165×676×916	/	/	222	260	φ28.6	φ15.9	OD φ32	Wired controller
CMV-V560THHNR1-B	60Hz																		

Notes: 1. 45kW & 56kW units' power supply are 380~415V/3PH for 50Hz and 208~230V/3PH for 60Hz, the others' power supply is 220~240V/1PH for 50Hz and 208~230V/1PH for 60Hz
 2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB
 3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 4. The above data may be changed without notice for future improvement on quality and performance.

Wall Mounted Unit

یونیت داخلی دیواری



84# panel

Controller			
Standard	Optional		
Wireless	Wireless	Wired	Centralized

18

badbantahveh.com

Features

● Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
/	Standard	Standard (built-in)	/	Standard	/

● Air supply smoothly

Cross flow fan, In Cooling mode, cold air is blown from horizontal. In heating mode, warm air is blown from vertical.

● 6 panels can be chosen, suitable for all kinds of decoration style

Simple, elegant, stylish, mirror design, suitable for all kinds of decoration style.



● Flexible in installation

Refrigerant pipe can be connected from 3 directions.

Specification

Model name	Power type	Capacity				Motor input	Air flow		Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller	
		Cooling		Heating			m³/h	CFM			Packing	Body	packing	Panel	Net	Gross	Gas	Liquid	Drain		
		kW	kBtu/h	kW	kBtu/h																mm
CMV-V22GHR1-B2	50Hz	2.2	7.5	2.5	8.5	0.06	540	320	24-33	/	973×367×290	900×282×205	/	/	12	14	Φ9.53	/	/	/	Remote controller
CMV-V22GHR1-B2	60Hz																				
CMV-V28GHR1-B2	50Hz	2.8	9.5	3.2	10.9	0.06	540	320	24-33	/	973×367×290	900×282×205	/	/	12	14	Φ9.53	/	/	/	Remote controller
CMV-V28GHR1-B2	60Hz																				
CMV-V36GHR1-B2	50Hz	3.6	12.2	4.0	13.6	0.06	600	360	24-33	/	973×367×290	900×282×205	/	/	12	14	Φ6.35	/	/	/	Remote controller
CMV-V36GHR1-B2	60Hz																				
CMV-V45GHR1-B2	50Hz	4.5	15.3	5.0	17	0.06	600	360	33-40	/	973×367×290	900×282×205	/	/	12	14	Φ12.7	/	/	/	Remote controller
CMV-V45GHR1-B2	60Hz																				
CMV-V56GHR1-B2	50Hz	5.6	19.1	6.2	21.1	0.06	920	540	35-43	/	1135×382×308	1080×304×221	/	/	16	18	/	/	/	/	Remote controller
CMV-V56GHR1-B2	60Hz																				
CMV-V71GHR1-B2	50Hz	7.1	24.2	7.8	26.6	0.06	920	540	35-43	/	1135×382×308	1080×304×221	/	/	16	18	Φ15.9	Φ9.53	/	/	Remote controller
CMV-V71GHR1-B2	60Hz																				

Notes: 1. Power supply: 220-240V/1PH for 50Hz; 208-230V/1PH for 60Hz

2. Cooling test condition: indoor side 27°C DB, 19°C WB outdoor side 35°C DB. Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB

3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

4. The above data may be changed without notice for future improvement on quality and performance.

Fresh Air Processor

یونیت سقفی توکار (هوای تازه)



Controller			
Standard	Optional		
Wired	Wired	Wireless	Centralized

Features

• Accessories

Plenum box	Air filter	EXV	Drain pump	AC Motor	DC Motor
Standard	Optional	Standard (built-in)	Optional	Standard	/

Specification

Model name	Power type	Capacity				Motor input	Air flow		Sound Level	ESP	Dimension (W×H×D)				Body Weight		Connecting pipe			Standard controller	
		Cooling		Heating			m ³ /h	CFM			Packing	Body	packing	Panel	Net	Gross	Gas	Liquid	Drain		
		kW	kBtu/h	kW	kBtu/h	kW					mm	mm	mm	mm	kg	kg	mm	mm	mm		
CMV-V140TF/HR1-B	50Hz	14.0	47.7	9.0	30.7	0.45	1400	820	42-48	220	1245×445×655	1190×370×620			47	51	φ15.9	φ9.53		Wired controller	
CMV-V140TF/HNR1-B	60Hz																				
CMV-V224TF/HR1-B	50Hz	22.4	76.4	16.0	54.5	1.2	2000	1170	45-52	220	1510×490×870	1465×448×811			102	106			OD φ25		
CMV-V224TF/HNR1-B	60Hz																				
CMV-V280TF/HR1-B	50Hz	28.0	95.5	20.0	68.2	1.2	2800	1640	45-52	220	1510×490×870	1465×448×811	/	/	102	106	φ22.2	φ12.7			
CMV-V280TF/HNR1-B	60Hz																				
CMV-V450TF/HZR1-B	50Hz	45.0	153.5	31.4	107.1	1.6	4000	3520	58	300	2200×710×1018	2165×676×916			222	260					
CMV-V450TF/HXR1-B	60Hz																φ28.6	φ15.9	OD φ32		
CMV-V560TF/HZR1-B	50Hz	56.0	191.0	39.0	133.0	2.5	6000	4700	62	300	2200×710×1018	2165×676×916			222	260					
CMV-V560TF/HXR1-B	60Hz																				

Notes: 1. 45kW & 56kW units' power supply are 380~415V/3PH for 50Hz and 208~230V/3PH for 60Hz, the others' power supply is 220~240V/1PH for 50Hz and 208~230V/1PH for 60Hz
 2. Cooling test condition: Indoor and outdoor side 33°C DB, 28°C WB. Heating test condition: Indoor and outdoor side 0°C DB, -2.9°C WB
 3. Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
 4. The above data may be changed without notice for future improvement on quality and performance.

نرم افزار کنترل از طریق Wifi مخصوص گوشی های هوشمند

- Available on iOS and Android
- Single unit controller or group control
- Weekly schedule management
- 64 indoor unit can be controlled
- Operation parameter enquiry
- Remote control via cloud server



نرم افزار کنترل در شبکه و اتصال به BMC

- Billing function
- Operating report output
- Schedule management
- 1024 indoor unit can be connected



IP/Ethernet

System includes:

- CMV-NET Software
- NCC Gateway Device
- CMV VRF System
- Softdog

Local PC



Firewall



Router

CMV VRF units



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