



# BECM SERIES

## MINI CASSETTE VRF Indoor Unit Inverter Heat Pump 50 Hz

Cooling Capacity Min~Max: 5,120~15,355 BTU/h (1.5~4.5kW)  
Heating Capacity Min~Max: 5,800~17,060 BTU/h (1.7~5.0kW)

## MINI CASSETTE VRF Indoor Unit Inverter Heat Pump 60 Hz

Cooling Capacity Min~Max: 7,505~15,355 BTU/h (2.2~4.5kW)  
Heating Capacity Min~Max: 8,190~17,060 BTU/h (2.4~5.0kW)



### Product Features

- Built-in Electronic Expansion Valve.
- Built-in Drain Pump.
- Auto Restart.
- Excellent Comfort for Commercial & Industrial Solutions.
- Self Diagnosis Function.
- Factory Tested.
- Automatic Defrosting.
- Low Voltage Start Up.

### Indoor Unit Features

- Wired LCD Remote Control (Standard).
- Wireless LCD Remote Control (Optional).
- Deluxe Wired Controller with Weekly Timer (Optional).
- Centralized controller (Optional).
- Remote monitoring software (Optional).
- 8 Direction Airflow.
- Ultra-Low Noise Operation.
- DC Inverter Motor.
- Compact Design.
- Intelligent Drainage Device.



**ISO 14001 ISO 9001**

#### COMPATIBILITY



#### VRF Cloud Gateway

The new VRF Cloud Gateway by Cool Automation seamlessly integrates VRF systems with smart phones, tablets, or any similar wireless device as well as home automation control systems.

Coolmasternet Cloudbox





## MINI CASSETTE VRF Indoor Unit

## Inverter Heat Pump 50Hz

Cooling Capacity Min~Max: 5,120~15,355 BTU/h (1.5~4.5kW) Heating Capacity Min~Max: 5,800~17,060 BTU/h (1.7~5.0kW)

MODEL NO.	BECM	005Q		008Q		010Q		012Q		015Q	
		3A-DWM015		3A-DWM022		3A-DWM028		3A-DWM036		3A-DWM045	
Cooling Capacity	BTU/h (kW)	5,120 (1.5)		7,505 (2.2)		9,555 (2.8)		12,285 (3.6)		15,355 (4.5)	
Heating Capacity	BTU/h (kW)	5,800 (1.7)		8,190 (2.4)		10,920 (3.2)		13,650 (4.0)		17,060 (5.0)	
Refrigerant Control		Electronic Expansion Valve @ Indoor Unit									
Coil Type		Grooved Cooper Tubes - Hydrophilic Aluminum Fin									
Electrical	Voltage-Phase	220~240 - 1Ph									
	Frequency	50 Hz									
	FLA	0.16		0.16		0.16		0.24		0.24	
	Power Input (W)	100		100		100		120		120	
Air Filter		Cleanable Cartridge Type									
Fan	Type	Coaxial Turbo Fan									
	Speed	3-Speed									
	Air Flow CFM (m³/hr) (Nom)	235 (400)		245 (414)		245 (414)		305 (521)		305 (521)	
	Noise Level Lo-Hi (db)	35		36		36		42		42	
Refrigerant Connections (mm)	Type	Branch Header									
	Liquid	1/4 (6.35)		1/4 (6.35)		1/4 (6.35)		1/4 (6.35)		1/4 (6.35)	
	Suction	1/2 (12.7)		1/2 (12.7)		1/2 (12.7)		1/2 (12.7)		1/2 (12.7)	
Drain Connections inches (mm)		1 (25.4)		1 (25.4)		1 (25.4)		1 (25.4)		1 (25.4)	
Body Dimensions inches (mm)	Height	10 1/4 (260)		10 1/4 (260)		10 1/4 (260)		10 1/4 (260)		10 1/4 (260)	
	Width	24 7/8 (630)		24 7/8 (630)		24 7/8 (630)		24 7/8 (630)		24 7/8 (630)	
	Depth	22 1/2 (570)		22 1/2 (570)		22 1/2 (570)		22 1/2 (570)		22 1/2 (570)	
Body Net Weight Lbs (kgs)		37.5 (17.0)		37.5 (17.0)		37.5 (17.0)		37.5 (17.0)		37.5 (17.0)	
Panel Dimensions inches (mm)	Height	2 (50)		2 (50)		2 (50)		2 (50)		2 (50)	
	Width	25 1/2 (647)		25 1/2 (647)		25 1/2 (647)		25 1/2 (647)		25 1/2 (647)	
	Depth	25 1/2 (647)		25 1/2 (647)		25 1/2 (647)		25 1/2 (647)		25 1/2 (647)	
Panel Net Weight Lbs (kgs)		5.5 (2.5)		5.5 (2.5)		5.5 (2.5)		5.5 (2.5)		5.5 (2.5)	

### Controllers



Wireless Controller  
VAEWD-D001  
(Optional)



Wireless Controller  
VAEWR-D001  
(Optional)



Wired Controller  
VAECR-D001 (Standard)



Deluxe Wired Controller  
VAECD-D001 (Optional)



Centralized Controller  
VAEC-D064T (Optional)

#### Notes

1. Nominal capacities are based on ARI standards 210/240-89, air entering the indoor coil operating at high fan speed for 220V-240V setting. Cooling: 80/67° F (27/19° C) DB/WB indoor & 95° F (35° C) outdoor ambient temperature. 2. EER figures are estimate subject to indoor units installed. 3. Refrigerant metering device is installed at the indoor unit as standard. 4. Flare fittings are provided as standard. 5. Insulation of both liquid and suction line is required (Heat Pump Model). 6. ODU's installed above IDU's 98 ft (30m) & ODU's installed below IDU's 66 ft (20m). 7. Refer to individual indoor unit spec sheets for details. 8. For details of model number nomenclature, please refer to publication OMGNM-0921.



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## Inverter Heat Pump 60Hz

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MODEL NO.	BECM	008Q		010Q		012Q		015Q	
		2A-DWM022	2A-DWM028	2A-DWM036	2A-DWM045				
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Heating Capacity	BTU/h (kW)	8,190 (2.4)	10,920 (3.2)	13,650 (4.0)	17,060 (5.0)				
Refrigerant Control	Electronic Expansion Valve @ Indoor Unit								
Coil Type	Grooved Cooper Tubes - Hydrophilic Aluminum Fin								
Electrical	Voltage-Phase	208-230 / 1Ph							
	Frequency	60 Hz							
	FLA	0.16	0.16	0.16	0.16				
	Power Input (W)	100	100	120	120				
Air Filter	Cleanable Cartridge Type								
Fan	Type	Coaxial Turbo Fan							
	Speed	3-Speed							
	Air Flow CFM (m <sup>3</sup> /hr) (Nom)	235 (397)	240 (408)	290 (496)	290 (496)				
	Noise Level Lo-Hi (db)	36	36	42	42				
Refrigerant Connections inches (mm)	Type	Branch Header							
	Liquid	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)				
	Suction	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)				
Drain Connections inches (mm)		1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)				
Body Dimensions inches (mm)	Height	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)				
	Width	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)	24 7/8 (630)				
	Depth	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)	22 1/2 (570)				
Body Net Weight Lbs (kgs)		38.4 (17.4)	38.4 (17.4)	41.4 (18.8)	41.4 (18.8)				
Panel Dimensions inches (mm)	Height	2 (50)	2 (50)	2 (50)	2 (50)				
	Width	25 1/2 (647))	25 1/2 (647))	25 1/2 (647))	25 1/2 (647))				
	Depth	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)	25 1/2 (647)				
Panel Net Weight Lbs (kgs)		5.5 (2.5)	5.5 (2.5)	5.5 (2.5)	5.5 (2.5)				

### Controllers



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VAEWD-D001  
(Optional)



Wireless Controller  
VAWR-D001  
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Wired Controller  
VAECR-D001 (Standard)



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