

ECO
VEN 

FAN COIL

CASSETTE TYPE
SERIES III

ECO-VEN VENTILATION EQUIPMENT
A BRAND OF ECO GLOBAL INDUSTRIES

www.eco-ven.com

FOUR WAY – CASSETTE

FAN COIL UNITS



Wide range of Cassette Fan Coil Selections for Commercial & Industrial Uses, Explore to find our equipment list for Cassette Fan Coil Units to include: Four-Way and Round-Flow

2-PIPE & 4-PIPE DESIGN

Our range of Cassette Fan Coil Equipment is available in two types: Four-Way Cassette and Round-Flow Cassette, on 2-Pipe or 4-Pipe. Featuring capacities from 2.1kW to 13.0kW, Cassette Fan Coil Units are ideal for commercial buildings type

360° AIR SUPPLY

360° air supply panel is standard

2-PIPE or 4-PIPE

HEATING OR HEATING & COOLING

REMOTE/WIRED

Remote controller with LED display is standard, wired controller is optional.

EXTENDED DRAINAGE PAN

Optional extended drainage pan for protecting your ceiling better.

BUILTS-IN PCB

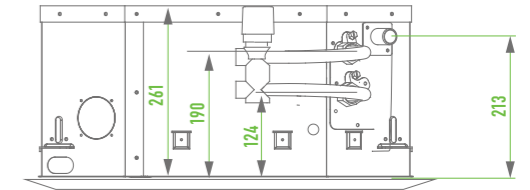
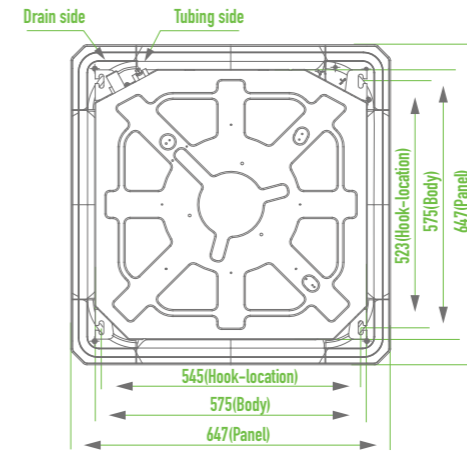
Built-in PCB and drain pump with pump head-500mm.

FRESH AIR INTAKE

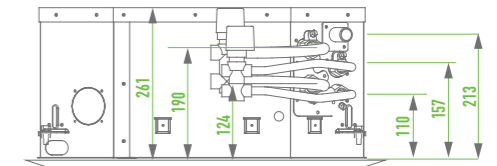
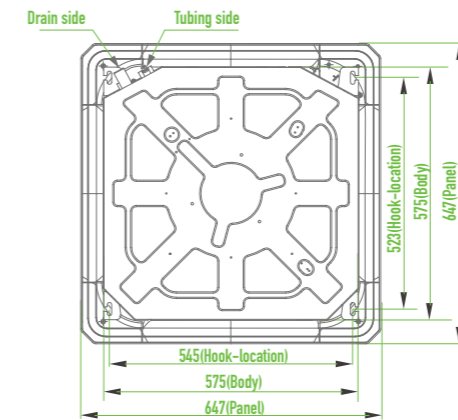
FRESH AIR INTAKE. ALSO SUPPLY TO SIDE ROOM.

UNIT OUTLINE DIMENSION (mm)

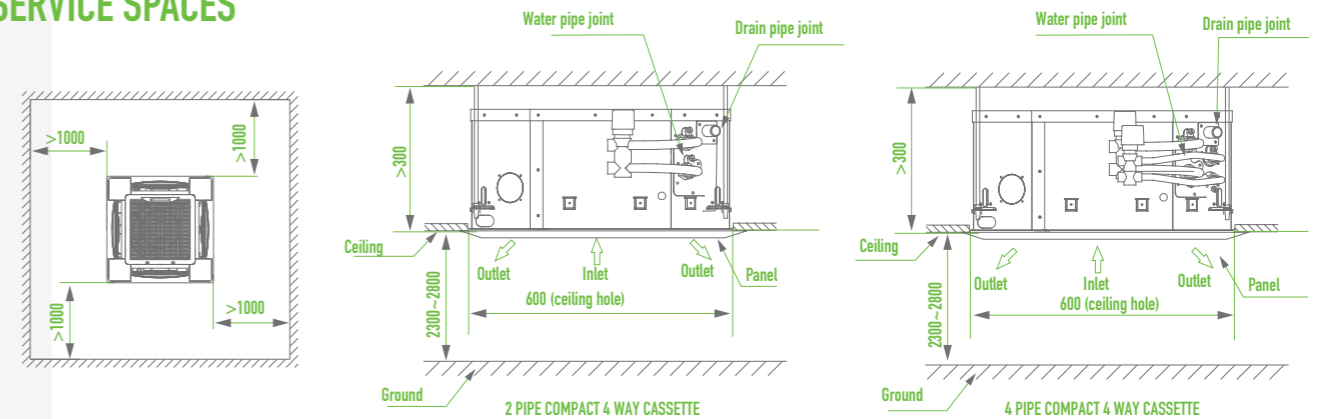
2 PIPE COMPACT 4 WAY CASSETTE DIMENSIONS



4 PIPE COMPACT 4 WAY CASSETTE DIMENSIONS



SERVICE SPACES



THICKNESS OF THE FRONT PANEL



TYPE	H (mm)
4-way cassette	45
Compact 4-way cassette	50

4-PIPE ROUND FLOW 4-WAY CASSETTE Specification Table

FCU Type		Round Flow Cassette				
Model		EVFC-600R-F	EVFC-760R-F	EVFC-880R-F	EVFC-1000R-F	
Power Supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Capacity						
Air flow volume	Hi/Med/Lo	CFM	600/500/410	760/700/530	880/790/645	1000/880/700
		m3/h	1000/850/700	1300/1200/900	1500/1350/1100	1700/1500/1200
Cooling capacity	Hi/Med/Lo	kW	4.5/4.0/3.5	4.8/4.3/3.8	5.5/5.0/4.5	5.8/5.3/4.8
Heating capacity	Hi/Med/Lo	kW	8.5/7.6/6.0	10.5/9.6/8.0	12.5/11.0/9.5	13.0/11.5/10.0
Physical data						
Rated power input	W	127	127	130	134	
Noise level(high speed)	dB(A)	40-49	40-49	40-49	40-49	
Water flow volume	Cooling	m3/h	0.72	0.79	0.86	0.95
	Heating	m3/h	0.73	0.90	1.07	1.12
Water pressure drop	Cooling	kPa	32	35	24	26
	Heating	kPa	43	46	40	42
Waterproof grade		IP24	IP24	IP24	IP24	
Indoor unit	Dimension(WxHxD)	mm	840x230x840	840x230x840	840x285x840	840x285x840
	Packing(WxHxD)	mm	920x265x920	920x265x920	920x310x920	920x310x920
	Net/Gross weight	kg	23.6/27.7	23.6/27.7	28.2/32.6	28.2/32.6
Panel	Dimension(WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950
	Packing(WxHxD)	mm	1030x100x1030	1030x100x1030	1030x100x1030	1030x100x1030
	Net/Gross weight	kg	6.5/9.5	6.5/9.5	6.5/9.5	6.5/9.5
Pipe	Cooling water-inlet pipe	mm	DN20	DN20	DN20	DN20
	Cooling water-outlet pipe	mm	DN20	DN20	DN20	DN20
	Heating water-inlet pipe	mm	DN15	DN15	DN15	DN15
	Heating water-outlet pipe	mm	DN15	DN15	DN15	DN15
	Drainage pipe	mm	DN25	DN25	DN25	DN25
Controller		Remote controller(standard), wired controller(optional)				

- Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
- Heating capacity test condition: air side temperature:21DB°C, water inlet temperature 60DB°C, water temperature difference 5°C.

4-PIPE COMPACT 4-WAY CASSETTE Specification Table

FCU Type		Compact 4-Way Cassette			
Model		EVFC-600R-F	EVFC-760R-F	EVFC-880R-F	
Power Supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Capacity					
Air flow volume	Hi/Med/Lo	CFM	295/220/175	350/280/235	470/320/245
		m3/h	500/380/300	600/480/400	800/550/420
Cooling capacity	Hi/Med/Lo	kW	1.90/1.7/1.5	2.1/1.85/1.6	2.4/2.05/1.7
Heating capacity	Hi/Med/Lo	kW	4.4/3.45/2.5	4.8/3.55/2.9	5.5/4.5/3.2
Physical data					
Rated power input	W	48	58	65	
Noise level(high speed)	dB(A)	43	43	43	
Water flow volume	Cooling	m3/h	0.33	0.38	0.45
	Heating	m3/h	0.38	0.41	0.47
Water pressure drop	Cooling	kPa	15	15	20
	Heating	kPa	15	15	20
Waterproof grade		IP24	IP24	IP24	
Indoor unit	Dimension(WxHxD)	mm	580x260x580	580x260x580	580x260x580
	Packing(WxHxD)	mm	745x375x675	745x375x675	745x375x675
	Net/Gross weight	kg	16.5/22	16.5/22	16.5/22
Panel	Dimension(WxHxD)	mm	650x30x650	650x30x650	650x30x650
	Packing(WxHxD)	mm	750x95x750	750x95x750	750x95x750
	Net/Gross weight	kg	2.7/4.0	2.7/4.0	2.7/4.0
Pipe	Cooling water-inlet pipe	mm	DN20	DN20	DN20
	Cooling water-outlet pipe	mm	DN20	DN20	DN20
	Heating water-inlet pipe	mm	DN15	DN15	DN15
	Heating water-outlet pipe	mm	DN15	DN15	DN15
	Drainage pipe	mm	DN25	DN25	DN25
Controller		Remote controller(standard), wired controller(optional)			

- Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
- Heating capacity test condition: air side temperature:21DB°C, water inlet temperature 60DB°C, water temperature difference 5°C.

2-PIPE COMPACT 4-WAY CASSETTE Specification Table

FCU Type		Compact 4-Way Cassette			
Model		EVFC4-300R-A	EVFC4-350R-A	EVFC4-470R-A	
Power Supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Capacity					
Air flow volume	Hi/Med/Lo	CFM	295	350	440
		m3/h	500/340/260	600/420/330	750/560/420
Cooling capacity	Hi/Med/Lo	kW	2.5/2.2/1.8	3.5/3.0/2.3	4.5/3.9/2.9
Heating capacity	Hi/Med/Lo	kW	3/2.6/2.0	4/3.2/2.4	5.2/4.2/3.3
Physical data					
Noise level(high speed)		dB(A)	40	42	44
Water flow volume		m3/h	0.43	0.60	0.78
Water pressure drop		kPa	25	28	30
Indoor coil	Number of Rows		1	2	2
	Max.Pressure	Mpa	1.0	1.0	1.0
	Fin type		copper tube, aluminum fin		
Fan motor	Quantity	pcs	1	1	1
	Model		YDK-15Q-6P3	YDK-16Q-6P3	YDK-27Q-4P3
	Speed	r/min	710/ 590/460/360	740/640/540/440	890/790/650/550
	Capacitor	uF	2	1.5	2
	Power Input	W	55	58	90
Indoor unit	Dimension(WxHxD)	mm	580x260x580	580x260x580	580x260x580
	Packing(WxHxD)	mm	745x375x675	745x375x675	745x375x675
	Net/Gross weight	kg	16/21.5	17/22.5	17/22.5
Panel	Dimension(WxHxD)	mm	650x30x650	650x30x650	650x30x650
	Packing(WxHxD)	mm	750x95x750	750x95x750	750x95x750
	Net/Gross weight	kg	2.7/4.0	2.7/4.0	2.7/4.0
Pipe	Water inlet pipe	mm	DN20	DN20	DN20
	Water outlet pipe	mm	DN20	DN20	DN20
	Drainage pipe	mm	DN25	DN25	DN25
Controller	Remote controller(standard)				

- Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
- Heating capacity test condition: air side temperature:21DB°C, water inlet temperature 60DB°C, water temperature difference 5°C.

2-PIPE 4-WAY CASSETTE Specification Table

FCU Type		4-Way Cassette				
Model		EVFC-600R	EVFC-760R	EVFC-880R	EVFC-1000R	
Power Supply	V/N/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Capacity						
Air flow volume	Hi/Med/Lo	CFM	600/510/360	760/646/456	880/748/528	1000/850/600
		m3/h	1000/867/612	1300/1098/775	1500/1272/898	1700/1445/1020
Cooling capacity	Hi/Med/Lo	kW	5.3/4.6/3.4	7.2/6.3/4.7	8.5/7.4/5.5	10.0/8.7/6.5
Heating capacity	Hi/Med/Lo	kW	8.0/7.0/5.2	10.8/9.4/7.0	12.8/11.1/8.3	15.0/13.1/9.8
Physical data						
Noise level(high speed)		dB(A)	43-48	44-48	45-52	45-53
Water flow volume		m3/h	1.10	1.24	1.46	1.55
Water pressure drop		kPa	36	36	38	40
Indoor coil	Number of Rows		2	2	2	3
	Fin type		Copper tube,aluminum fin			
Fan motor	Quantity	pcs	1	1	1	1
	Power Input	W	140	150	160	180
Indoor unit	Dimension(WxHxD)	mm	840x230x840	840x230x840	840x285x840	840x285x840
	Packing(WxHxD)	mm	920x265x920	920x265x920	920x310x920	920x310x920
	Net/Gross weight	kg	23/28	23/28	26/31.5	28/33.5
Panel	Dimension(WxHxD)	mm	950x50x950	950x50x950	950x50x950	950x50x950
	Packing(WxHxD)	mm	1030x105x1030	1030x105x1030	1030x105x1030	1030x105x1030
	Net/Gross weight	kg	5.4/8.0	5.4/8.0	5.4/8.0	5.4/8.0
Pipe	Water inlet pipe	mm	DN20	DN20	DN20	DN20
	Water outlet pipe	mm	DN20	DN20	DN20	DN20
	Drainage pipe	mm	DN25	DN25	DN25	DN25
Controller	Remote controller(standard),wired controller(optional)					

- Cooling capacity test condition: air side temperature:27DB°C/19WB°C, water inlet temperature 7°C, water temperature difference 5°C.
- Heating capacity test condition: air side temperature:21DB°C, water inlet temperature 60DB°C, water temperature difference 5°C.

CONTROL DEVICES

REMOTE CONTROLLER



Available as standard options for wall-mounted indoor equipment, Remote Controller offers easy to use controlling option for singular indoor units

WIRED CONTROLLER



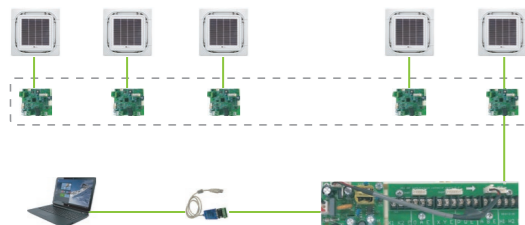
This series of controller offers bi-directional communication with indoor units operating parameters (Error Code, Temperature, Address & Timer Function). It offers a compact simple design, with easy to use controlling buttons. Suitable for all types of indoor equipment

TOUCH SCREEN CONTROLLER



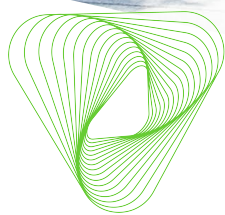
- One controller controls 16 units for 130kW or 32 units for 30kW and 65kW.
- Built-in Modbus protocol, can be connected with BMS, up to 256 chillers can be controlled remotely.
- Weekly schedule management
- Operation parameter inquiry
- Easy operation and visualized display

CENTRALISED & BMS CONTROLLER



- Add centralized control PCB to cassette type FCU, to realize centralized control.
- Can connect with Modbus PCB.
- Max. 64 FCUs can be controlled together.





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ECO-VEN specialises in developing and manufacturing of Commercial and Industrial Ventilation Solutions to include: Package System Units (Roof Top Package Units, Gas-Fired Package Units and Hygienic Package Units), Air Handling Units (Standard AHUs and Hygienic AHUs) and Heat Recovery Units (HRVs and ERVs)