

ECO
VEN 

FAN COIL

DUCT TYPE
SERIES III

ECO-VEN VENTILATION EQUIPMENT
A BRAND OF ECO GLOBAL INDUSTRIES

www.eco-ven.com

DUCT SERIES

FAN COIL UNITS

Low, Medium and High External Static Pressure Ducted Fan Coil Units, Explore to find our equipment list to include: Low ESP, Medium ESP and High ESP Ducted Fan Coil Units, suitable a wide range of cooling and heating requirement



LOW — MED — HIGH

Our range of Ducted Fan Coil Equipment comes in 2-Pipe, 4-Pipe and 2-Row, 3-Row, 4-Row, 5-Row and 6-Row. Available in a wide range of airflow, cooling and heating capacities, our fan coil equipment caters for buildings of all types and sizes

CUSTOMIZABLE ROWS

2, 3 or 4 row for 2-pipe system & 3 row can be customization for 4-pipe system.

WASHABLE FILTER

Iron frame filter is standard, and aluminum frame filter can be customized.

LEFT/RIGHT PIPING

Left or right hand piping connections are easily change in filed.

STANDARD A4

Versions for standard, A4 and large diameter reference temperature type.

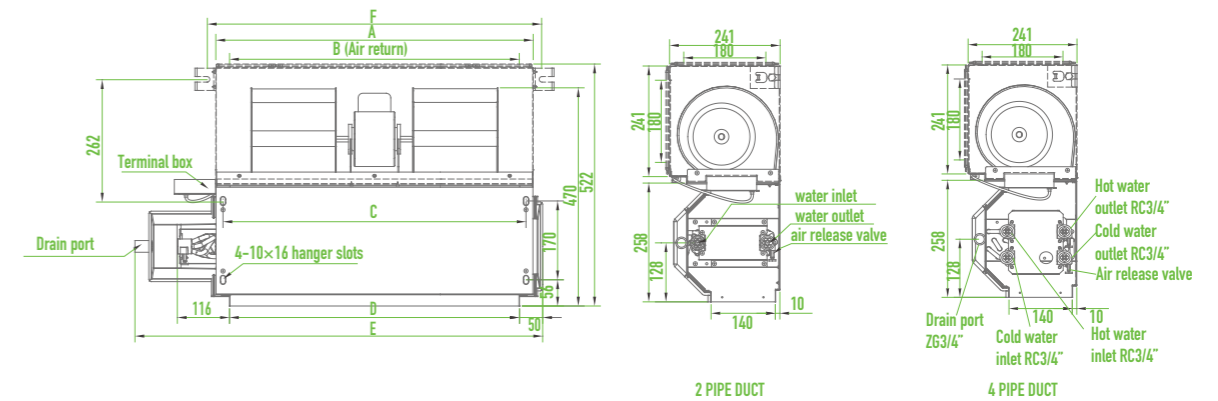
OPTIONAL EAH

EAH is optional (for 2-Row, 3-Row, 4-Row Duct).

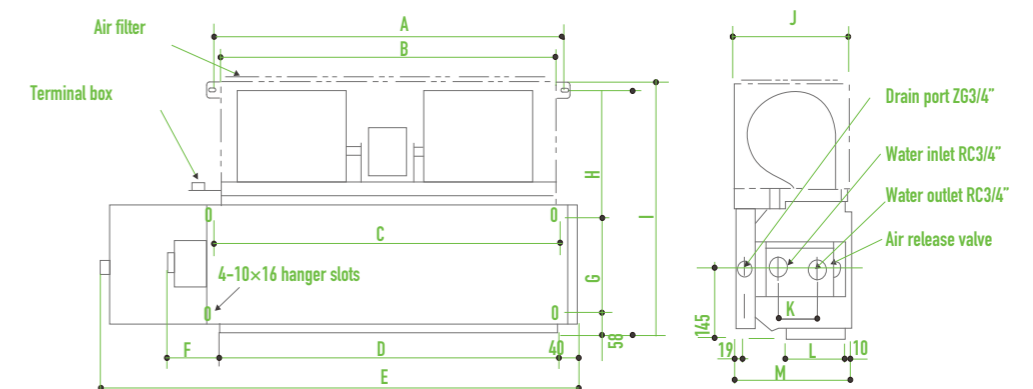
FRESH AIR INTAKE

AVAILABLE FOR FRESH AIR INTAKE.

UNIT OUTLINE DIMENSION (mm)



Size	A	B	C	D	E	F
200CFM	545	485	513	485	741	583
300CFM	645	585	613	585	841	683
400CFM	745	685	713	685	941	783
500CFM	745	685	713	685	914	783
600CFM	965	905	933	905	1161	1003
800CFM	1265	1205	1233	1205	1461	1303
1000CFM	1370	1310	1338	1310	1566	1408
1200CFM	1660	1600	1628	1600	1856	1698
1400CFM	1826	1766	1794	1766	2022	1864



Model Size	EVFD3-800/1000G50-A4 EVFD4-800/1000G50-A4	EVFD4-1200/1400/ 1500/1600G50-A4	EVFD4-1800/ 2000G50-A4
A	960	1085	1277
B	900	1135	1327
C	910	1112	1308
D	885	1085	1277
E	1180	1369	1500
F	150	160	160
G	195	195	195
H	335	335	335
I	612	612	612
J	342	342	342
K	231	231	231
L	230	230	230
M	340	340	340

2 ROW DUCT Specification Table

Model		EVFD2-200G30 EVFD2-200EG30	EVFD2-300G30 EVFD2-300EG30	EVFD2-400G30 EVFD2-400EG30	EVFD2-500G30 EVFD2-500EG30	EVFD2-600G30 EVFD2-600EG30	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
Standard external static pressure		Pa 612 models: 12; 630 models: 30					
Cooling	Capacity (H/M/L)	kW	2/1.74/1.52	2.7/2.31/2.03	3.6/3.11/2.66	4.4/3.74/3.25	5.5/4.58/4.09
	Water flow rate	L/h	344	464	619	757	946
	Water pressure drop	kPa	5	11	19	22	14
Heating	Capacity (H/M/L)	kW	3.2/2.75/2.37	4.3/3.74/3.23	5.4/4.64/4.05	6.8/5.78/5.07	8.1/6.77/5.92
	Water pressure drop	kPa	4.2	9.5	15.5	18.3	11.8
Power input	12Pa (H/M/L)	W	31/25/22	50/40/35	60/48/42	80/64/56	97/78/68
	30Pa (H/M/L)	W	45/36/32	60/48/42	67/54/47	89/71/62	110/88/77
Auxiliary electric heater (AEH)		W	550	650	1100	1100	1600
Sound pressure level	12Pa (H/M/L)	dB(A)	36/34/29	38/33/29	38/35/31	39/36/32	40/36/33
	30Pa (H/M/L)	dB(A)	41/37/31	41/37/32	42/39/33	45/41/34	46/41/35
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1	2	2	2	2	
Coil	Row	2	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522
Packing size (W×H×D)		mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
Net weight		kg	13.9/15.4	16.5/18	19.2/20.7	19.2/20.7	22/24
Gross weight		kg	16.2/17.7	19/20.5	21.6/23.1	21.6/23.1	25/27
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

2 ROW DUCT Specification Table

Model		EVFD2-800G30 EVFD2-800EG30	EVFD2-1000G30 EVFD2-1000EG30	EVFD2-1200G30 EVFD2-1200EG30	EVFD2-1400G30 EVFD2-1400EG30	
Power supply		V/Ph/Hz 220-240/1/50				
Air flow (H/M/L)		m3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
Standard external static pressure		Pa 612 models: 12; 630 models: 30				
Cooling	Capacity (H/M/L)	kW	7.5/6.33/5.68	8.9/7.61/6.41	10.8/9.13/7.93	12.3/10.46/9.27
	Water flow rate	L/h	1290	1531	1858	2116
	Water pressure drop	kPa	14	22	39	46
Heating	Capacity (H/M/L)	kW	11/9.48/8.25	13.5/11.72/10.03	16.5/14.05/12.24	19.5/16.85/14.63
	Water pressure drop	kPa	12.5	19	32.6	40.1
Power input	12Pa (H/M/L)	W	140/112/98	172/138/120	205/164/144	216/173/151
	30Pa (H/M/L)	W	130/104/91	171/137/120	212/170/148	249/200/174
Auxiliary electric heater (AEH)		W	2200	2200	3200	3200
Sound pressure level	12Pa (H/M/L)	dB(A)	42/37/33	44/39/34	46/40/35	48/42/37
	30Pa (H/M/L)	dB(A)	46/41/36	47/43/37	48/44/38	49/44/39
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	4	4	4	4	
Coil	Row	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522
Packing size (W×H×D)		mm	1510×260×550	1615×260×550	1905×260×550	2070×260×550
Net weight		kg	30.9/33.4	33.4/36.4	38.5/42	42.1/46.1
Gross weight		kg	34.5/37	37/40	42/45.5	47.5/51.5
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

3 ROW DUCT Specification Table

Model		EVFD3-200G12 EVFD3-200G30 EVFD3-200EG30	EVFD3-300G12 EVFD3-300G30 EVFD3-300EG30	EVFD3-400G12 EVFD3-400G30 EVFD3-400EG30	EVFD3-500G12 EVFD3-500G30 EVFD3-500EG30	EVFD3-600G12 EVFD3-600G30 EVFD3-600EG30	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
Standard external static pressure		Pa 612 models: 12; 630 models: 30					
Cooling	Capacity (H/M/L)	kW	2.2/1.9/1.68	3.1/2.7/2.3	4/3.4/2.95	4.6/3.96/3.45	5.8/4.88/4.45
	Water flow rate	L/h	378	533	688	791	998
	Water pressure drop	kPa	14	26	18	24	36
Heating	Capacity (H/M/L)	kW	3.5/3.08/2.59	5.3/4.61/3.98	6.8/5.85/5.1	7.9/6.95/6	9.8/8.6/7.4
	Water pressure drop	kPa	10.5	21.8	16.9	22.3	31.6
Power input	12Pa (H/M/L)	W	33/25/22	53/41/35	66/53/48	87/53/44	100/65/55
	30Pa (H/M/L)	W	49/37/33	64/49/42	75/61/54	93/56/47	114/74/63
Auxiliary electric heater (AEH)		W	550	600	1100	1100	1600
Sound pressure level	12Pa (H/M/L)	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
	30Pa (H/M/L)	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1	2	2	2	2	
Coil	Row		3	3	3	3	3
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522
Packing size (W×H×D)		mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
Net weight		kg	14.6/16.1	17/18.5	20.2/21.7	20.2/21.7	23/25
Gross weight		kg	16.9/18.4	19.5/21	22.6/24.1	22.6/24.1	26/28
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

3 ROW DUCT Specification Table

Model		EVFD3-800G12 EVFD3-800G30 EVFD3-800EG30	EVFD3-1000G12 EVFD3-1000G30 EVFD3-1000EG30	EVFD3-1200G12 EVFD3-1200G30 EVFD3-1200EG30	EVFD3-1400G12 EVFD3-1400G30 EVFD3-1400EG30	
Power supply		V/Ph/Hz 220-240/1/50				
Air flow (H/M/L)		m3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
Standard external static pressure		Pa 612 models: 12; 630 models: 30				
Cooling	Capacity (H/M/L)	kW	8.2/6.88/6.25	9/7.8/6.57	11/9.8/8.35	12.5/10.8/9.44
	Water flow rate	L/h	1410	1548	1892	2150
	Water pressure drop	kPa	39	32	39	45
Heating	Capacity (H/M/L)	kW	13.6/11.97/10.2	16/14.24/12	20.1/18.27/15.43	21/18.7/15.75
	Water pressure drop	kPa	33.8	30.7	34.6	40.1
Power input	12Pa (H/M/L)	W	145/121/108	180/114/97	210/140/120	222/179/155
	30Pa (H/M/L)	W	154/129/114	180/114/97	220/147/126	278/224/194
Auxiliary electric heater (AEH)		W	2000	2200	3200	3200
Sound pressure level	12Pa (H/M/L)	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
	30Pa (H/M/L)	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	4	4	4	4	
Coil	Row		3	3	3	3
	Max. working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522
Packing size (W×H×D)		mm	1510×260×550	1615×260×550	1905×260×550	2070×260×550
Net weight		kg	1461×241×522	1566×241×522	1856×241×522	2022×241×522
Gross weight		kg	1510×260×550	1615×260×550	1905×260×550	2070×260×550
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

4 ROW DUCT Specification Table

Model		EVFD4-200G30	EVFD4-300G30	EVFD4-400G30	EVFD4-500G30	EVFD4-600G30	EVFD4-800G30	
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)	m3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510	1360/1020/680	
	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300	800/600/400	
Standard external static pressure		Pa	30	30	30	30	30	
Cooling	Capacity (H/M/L)	kW	2.5/2.16/1.87	3.3/2.85/2.47	4.4/3.72/3.22	4.8/4.18/3.64	6.2/5.38/4.65	8.8/7.43/6.57
	Water flow rate	L/h	430	568	757	826	1066	1514
	Water pressure drop	kPa	2.6	5	8.1	9.8	15.4	12.3
Heating	Capacity (H/M/L)	kW	4.1/3.51/3.03	5.8/5.05/4.35	7.1/6.11/5.33	8.5/7.04/6.28	10.5/9.03/7.77	14.5/12.38/10.88
	Water pressure drop	kPa	2.2	4.2	6.9	8.1	12.7	10
Power input (H/M/L)		W	50/40/35	65/52/46	80/64/56	98/78/69	110/88/77	155/124/109
Auxiliary electric heater (AEH)		W	500	600	1000	1000	1500	2000
Sound pressure level		dB(A)	37/33/27	38/34/28	38/35/29	40/35/30	41/36/31	42/37/32
Fan motor	Type	Low noise 3-speed fan motor						
	Quantity	1	1	1	1	1	2	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	2	4	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
Net dimensions (W×H×D)		mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	1461×241×522
Packing size (W×H×D)		mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550	1510×260×550
Net weight		kg	15.3	17.5	20.7	20.7	23.5	32.9
Gross weight		kg	17.6	20	23.1	23.1	26.5	36.5
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

4 ROW DUCT Specification Table

Model		EVFD4-1000G30	EVFD4-1200G30	EVFD4-1400G30	
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)	m3/h	1700/1275/850	2040/1530/1020	2380/1785/1190	
	CFM	1000/750/500	1200/900/600	1400/1050/700	
Standard external static pressure		Pa	30	30	
Cooling	Capacity (H/M/L)	kW	9.5/8.18/7.06	11.8/9.82/8.74	13/11.23/9.83
	Water flow rate	L/h	1634	2030	2236
	Water pressure drop	kPa	18	21.2	24.7
Heating	Capacity (H/M/L)	kW	16.3/13.45/12.05	16.5/14.05/12.23	17/14.31/12.69
	Water pressure drop	kPa	15.4	17.6	20.8
Power input (H/M/L)		W	180/144/126	220/176/154	275/220/193
Auxiliary electric heater (AEH)		W	2000	3000	3000
Sound pressure level		dB(A)	44/39/33	45/40/34	47/42/36
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	4	4	4	
Coil	Row	4	4	4	
	Max. working pressure	MPa	1.6	1.6	
	Diameter	mm	Φ9.52	Φ9.52	
Net dimensions (W×H×D)		mm	1566×241×522	1856×241×522	2022×241×522
Packing size (W×H×D)		mm	1615×260×550	1905×260×550	2070×260×550
Net weight		kg	35.4	40.5	44.1
Gross weight		kg	39.1	44	49.4
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

A4 TYPE DUCT

Specification Table

Model		EVFD4-800G50-A4	EVFD4-1000G50-A4	EVFD4-1200G50-A4
Power supply		V/Ph/Hz	220-240/1/50	
Air flow (H/M/L)		m3/h	1400/1342/1200	1650/1527/1405
		CFM	856/790/706	970/900/827
Standard external static pressure		Pa	50	50
Cooling	Capacity (H/M/L)	kW	7.92/7.56/7.09	8.15/7.93/7.54
	Water flow rate	L/h	1363	1402
	Water pressure drop	kPa	13.5	21.4
Heating	Capacity (H/M/L)	kW	10.42/9.89/9.12	11.25/10.72/10.06
	Water pressure drop	kPa	39.7	23.3
Power input (H/M/L)		W	144/124/105	176/146/128
Sound pressure level		dB(A)	48.4/47.9/46.6	49.5/48.1/47.3
Fan motor	Type	Low noise 3-speed fan motor		
	Quantity	1	1	1
Fan	Type	Centrifugal, forward-curved Blades		
	Quantity	2	2	2
Coil	Row	4	4	4
	Max. working pressure	MPa	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1180x340x612	1180x340x612
Packing size (W×H×D)		mm	1310x380x693	1490x380x693
Net weight		kg	39.3	40.8
Gross weight		kg	47	49.6
Water inlet/outlet pipe		inch	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

A4 TYPE DUCT

Specification Table

Model		EVFD4-1400G50-A4	EVFD4-1600G50-A4	EVFD4-1800G50-A4	EVFD4-2000G50-A4
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m3/h	2420/1851/1666	2430/1917/1742	3380/2239/1878
		CFM	1427/1090/981	1431/1128/1025	1990/1318/1105
Standard external static pressure		Pa	50	50	50
Cooling	Capacity (H/M/L)	kW	12.14/10.17/9.55	12.19/10.54/9.87	16.16/12.35/11.01
	Water flow rate	L/h	2089	2096	2779
	Water pressure drop	kPa	32.5	33.4	58.3
Heating	Capacity (H/M/L)	kW	16.08/13.23/12.22	16.55/13.83/12.9	21.7/15.79/13.91
	Water pressure drop	kPa	29.2	30.0	52.3
Power input (H/M/L)		W	392/284/250	482/338/296	538/358/308
Sound pressure level		dB(A)	51.7/50/49.5	52.9/50.7/50	53.6/51.1/50.2
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	1	1	1	1
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2	2	3	3
Coil	Row	4	4	4	4
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1369x340x612	1369x340x612	1500x340x612
Packing size (W×H×D)		mm	1490x380x693	1490x380x693	1620x380x693
Net weight		kg	46.3	46.3	54.8
Gross weight		kg	56.4	56.4	64.6
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4
Drain pipe		inch	ZG3/4	ZG3/4	ZG3/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

DISTRICT COOLING DUCT Specification Table

Model		MKS4-200G30	MKS4-300G30	MKS4-400G30	MKS4-500G30	MKS4-600G30	MKS4-800G50-A4						
Power supply		V/Ph/Hz						220-240/1/50					
Air flow (H/M/L)		m3/h		430/380/340	600/540/480	700/630/520	900/810/720	1160/1040/930	1400/1342/1200				
		CFM		253/224/200	353/318/282	412/370/305	530/476/424	682/612/547	824/789/705				
Standard external static pressure		Pa		30	30	30	30	30	50				
Cooling		Capacity (H/M/L)		kW		2.05/1.742/1.55	2.61/2.21/1.98	4.03/3.42/3.06	4.57/3.88/3.47	6.39/5.43/4.85	6.93/5.89/5.26		
		Water flow rate		L/h		196	249	385	437	610.6	662		
		Water pressure drop		kPa		10	10	21	25	53.8	13.3		
Power input (H/M/L)		W		47/38/33	65/52/46	78/62/55	92/74/64	116/93/81	144/115/101				
Sound pressure level		dB(A)		38/33/27	39/34/28	39/35/29	41/35/30	42/36/31	48/47/46				
Fan motor		Type		Low noise 3-speed fan motor									
		Quantity		1									
Fan		Type		Centrifugal, forward-curved Blades									
		Quantity		1	2	2	2	2	2	2			
Coil		Row		4									
		Max. working pressure		MPa		1.6							
		Diameter		mm		Ø9.52							
Net dimensions (W×H×D)		mm		741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	1180×340×612				
Packing size (W×H×D)		mm		790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550	1310×380×693				
Net weight		kg		15.3	17.5	20.7	20.7	23.5	39.3				
Gross weight		kg		17.6	20	23.1	23.1	26.5	47				
Water inlet/outlet pipe		inch		RC3/4									
Drain pipe		inch		Z63/4									

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

DISTRICT COOLING DUCT Specification Table

Model		MKS4-1000G50-A4	MKS4-1200G50-A4	MKS4-1400G50-A4	MKS4-1600G50-A4	MKS4-1800G50-A4	MKS4-2000G50-A4						
Power supply		V/Ph/Hz						220-240/1/50					
Air flow (H/M/L)		m3/h		1650/1527/1405	2040/1851/1666	2420/1850/1657	2430/1917/1742	3380/2239/1878	3660/2544/2199				
		CFM		970/898/826	1200/1089/980	1424/1088/975	1431/1128/1025	1988/1317/1105	2153/1496/1295				
Standard external static pressure		Pa		50	50	50	50	50	50				
Cooling		Capacity (H/M/L)		kW		7.57/6.43/5.75	10.11/8.59/7.68	11.5/9.7/8.74	11.74/9.97/8.92	14.74/12.52/11.2	16.1/13.68/12.23		
		Water flow rate		L/h		723	966	1099	1122	1408	1538		
		Water pressure drop		kPa		16.3	21	25.3	27.8	37.9	48.1		
Power input (H/M/L)		W		176/141/123	320/256/224	392/314/274	482/386/337	538/430/376	583/466/408				
Sound pressure level		dB(A)		49/48/47	51/50/48	52/50/49	53/51/50	54/51/50	54/52/51				
Fan motor		Type		Low noise 3-speed fan motor									
		Quantity		1									
Fan		Type		Centrifugal, forward-curved Blades									
		Quantity		2	2	2	2	3	3				
Coil		Row		4									
		Max. working pressure		MPa		1.6							
		Diameter		mm		Ø9.52							
Net dimensions (W×H×D)		mm		1180×340×612	1369×340×612	1369×340×612	1369×340×612	1500×340×612	1500×340×612				
Packing size (W×H×D)		mm		1310×380×693	1490×380×693	1490×380×693	1490×380×693	1620×380×693	1620×380×693				
Net weight		kg		40.8	46.3	46.3	46.3	54.8	54.8				
Gross weight		kg		49.6	56.4	56.4	56.4	64.6	64.6				
Water inlet/outlet pipe		inch		RC3/4									
Drain pipe		inch		Z63/4									

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

4 PIPE DUCT Specification Table

Model		EVFD3-200FG30	EVFD3-300FG30	EVFD3-400FG30	EVFD3-500FG30	EVFD3-600FG30		
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510	
		CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300	
Standard external static pressure		Pa	G12 models: 12; G30 models: 30					
Cooling	Capacity (H/M/L)	kW	2/1.76/1.52	2.7/2.35/2.13	3.6/3.15/2.76	4.3/3.74/3.32	5/4.32/3.84	
	Water flow rate	L/h	344	464	619	740	860	
	Water pressure drop	kPa	7.6	14.4	8.2	9.5	17.2	
Heating	Capacity (H/M/L)	kW	3/2.64/2.22	4/3.48/3	5.2/4.47/3.9	5.7/5.02/4.33	7.2/6.19/5.33	
	Water flow rate	l/h	258	344	447	490	619	
	Water pressure drop	kPa	6.8	12.5	23.5	24.0	40.7	
Power input		12Pa (H/M/L)	W	33/26/23	53/38/31	66/48/42	87/54/44	100/67/56
		30Pa (H/M/L)	W	49/39/34	64/50/42	75/55/48	96/58/48	114/76/64
Sound pressure level		12Pa (H/M/L)	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
		30Pa (H/M/L)	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor		Type	Low noise 3-speed fan motor					
		Quantity	1	1	1	1	1	
Fan		Type	Centrifugal, forward-curved Blades					
		Quantity	1	2	2	2	2	
Coil		Row	3	3	3	3	3	
		Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
		Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	
Packing size (W×H×D)		mm	790×260×555	890×260×555	990×260×555	990×260×555	1210×260×555	
Net weight		kg	15.1	17.5	20.7	20.7	23.5	
Gross weight		kg	17.4	20	23.1	23.1	26.5	
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4	Z63/4	

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

4 PIPE DUCT Specification Table

Model		EVFD3-800FG30	EVFD3-1000FG30	EVFD3-1200FG30	EVFD3-1400FG30		
Power supply		V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)		m3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190	
		CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700	
Standard external static pressure		Pa	G12 models: 12; G30 models: 30				
Cooling	Capacity (H/M/L)	kW	6.8/5.78/5.11	7.8/6.74/5.88	10.2/8.89/7.85	11.5/9.9/8.86	
	Water flow rate	L/h	1170	1342	1754	1978	
	Water pressure drop	kPa	18.8	30.0	40.3	51.9	
Heating	Capacity (H/M/L)	kW	9.6/8.45/7.2	10.8/9.61/8.1	13.5/12.15/10.26	15.5/13.48/11.78	
	Water flow rate	l/h	826	929	1161	1333	
	Water pressure drop	kPa	20.7	34.7	28.6	55.2	
Power input		12Pa (H/M/L)	W	145/130/111	180/104/88	210/140/123	222/201/182
		30Pa (H/M/L)	W	154/132/113	193/114/97	230/157/131	278/262/228
Sound pressure level		12Pa (H/M/L)	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
		30Pa (H/M/L)	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor		Type	Low noise 3-speed fan motor				
		Quantity	2	2	2	2	
Fan		Type	Centrifugal, forward-curved Blades				
		Quantity	4	4	4	4	
Coil		Row	3	3	3	3	
		Max. working pressure	MPa	1.6	1.6	1.6	1.6
		Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522	
Packing size (W×H×D)		mm	1510×260×555	1615×260×555	1905×260×555	2070×260×555	
Net weight		kg	32.4	34.9	40	43.6	
Gross weight		kg	36	38.6	43.5	48.9	
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4	

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.



HIGH STATIC

FAN COIL UNITS

Low, Medium and High External Static Pressure Ducted Fan Coil Units, Explore to find our equipment list to include: Low ESP, Medium ESP and High ESP Ducted Fan Coil Units, suitable a wide range of cooling and heating requirement

LOW — MED — HIGH

Our range of Ducted Fan Coil Equipment comes in 2-Pipe, 4-Pipe and 2-Row, 3-Row, 4-Row, 5-Row and 6-Row. Available in a wide range of airflow, cooling and heating capacities, our fan coil equipment caters for buildings of all types and sizes

HSP (UP TO 100PA)

Large air volume and capacity, high static pressure (Up to 100Pa).

4 SPEED MOTOR

Four-speed motor with super-high speed reserved

PIPE CONNECTION

Pipe connection from left or right.

EXTENDED DRAINAGE PAN

Standard extended drainage pan for protecting ceiling better.

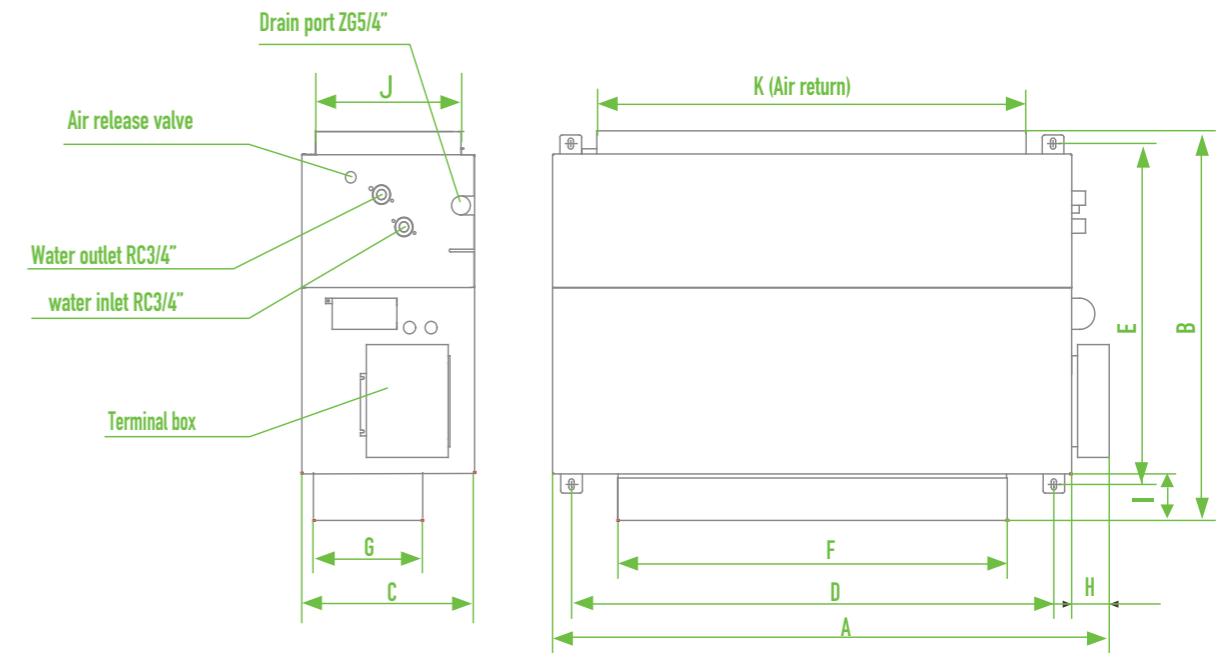
WIRED CONTROLLER

220V wired controller is optional.

EASY TO CLEAN

EASY TO CLEAN AND CHANGE AIR FILTER.

UNIT OUTLINE DIMENSION (MM)



Model Size	EVFD3H-800G70 EVFD3H-1000G70 EVFD3H-1200G70 EVFD3H-1400G70	EVFD3H-800EG70 EVFD3H-1000EG70 EVFD3H-1200EG70 EVFD3H-1400EG70	EVFD3H-1600G100 EVFD3H-1800G100 EVFD3H-2200G100	EVFD3H-1600EG100 EVFD3H-1800EG100 EVFD3H-2200EG100
A	946	946	1290	1290
B	816	876	809	874
C	400	400	400	400
D	778	778	1118	1118
E	767	767	765	765
F	306	306	900	900
G	219	219	249	249
H	88	88	88	88
I	37	97	39	104
J	338	338	320	320
K	512	512	995	995

HIGH STATIC PRESSURE DUCT Specification Table

Model		EVFD3H-800G70 EVFD3H-800EG70	EVFD3H-1000G70 EVFD3H-1000EG70	EVFD3H-1200G70 EVFD3H-1200EG70	EVFD3H-1400G70 EVFD3H-1400EG70	
Power supply		V/Ph/Hz 220-240/1/50				
Air flow (H/M/L)		m3/h	1360/1220/1090	1700/1530/1380	2040/1880/1610	2380/2120/1860
		CFM	800/720/640	1000/900/810	1200/1105/950	1400/1250/1095
Standard external static pressure		Pa	70	70	70	70
Cooling	Capacity (H/M/L)	kW	6.6/6.37/6.12	8.8/8.19/7.57	10/9.44/8.53	12/11.47/10.24
	Water flow rate	L/h	1135	1514	1720	2064
	Water pressure drop	kPa	8	24	24	36
Heating	Capacity (H/M/L)	kW	9.7/8.54/7.18	13.2/11.48/9.9	15/12.9/11.25	17.9/15.75/13.6
	Water pressure drop	kPa	8.4	25	23.4	34.2
Power input (H/M/L)		W	320/300/285	350/320/300	350/320/290	350/300/285
Auxiliary electric heater (AEH)		W	5000	5000	5000	5000
Sound pressure level		dB(A)	49/42/35	50/43/36	51/44/37	52/45/38
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1	1	1	1	
Coil	Row	2	3	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	946×400×816	946×400×816	946×400×816	946×400×816
Packing size (W×H×D)		mm	Left connection: 1075×480×857/1075×480×925			
Net weight		kg	50/53	52/55	52/55	54/57
Gross weight		kg	55/58	57/60	57/60	59/62
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

HIGH STATIC PRESSURE DUCT Specification Table

Model		EVFD3H-1600G100 EVFD3H-1600EG100	EVFD3H-1800G100 EVFD3H-1800EG100	EVFD3H-2200G100 EVFD3H-2200EG100	
Power supply		V/Ph/Hz 220-240/1/50			
Air flow (H/M/L)		m3/h	2720/2450/2170	3060/2750/2450	3740/3360/2990
		CFM	1600/1440/1280	1800/1620/1440	2200/1980/1760
Standard external static pressure		Pa	100	100	100
Cooling	Capacity (H/M/L)	kW	14.1/13.03/11.87	15.8/14.6/13.46	19.9/18.58/17.24
	Water flow rate	L/h	2425	2718	3423
	Water pressure drop	kPa	60	78	110
Heating	Capacity (H/M/L)	kW	21.2/18.23/15.69	23.8/20.94/17.85	30/26.7/22.5
	Water pressure drop	kPa	57	74	105
Power input (H/M/L)		W	550/520/500	800/680/620	950/860/760
Auxiliary electric heater (AEH)		W	9500	9500	9500
Sound pressure level		dB(A)	54/47/40	60/53/46	61/54/47
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2	2	2	
Coil	Row	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ9.52	Φ9.52	Φ9.52
Net dimensions (W×H×D)		mm	1290×400×809	1290×400×809	1290×400×809
Packing size (W×H×D)		mm	Left connection: 1448×460×877/1448×460×950		
Net weight		kg	76/82	76/82	76/82
Gross weight		kg	83/89	83/89	83/89
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4
Drain pipe		inch	Z63/4	Z63/4	Z63/4

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
- Heating conditions: Entering water 50°C, the same water flow as the cooling conditions, Entering air temperature 20°C DB.
- Noise is tested in a semi-anechoic test room.
- Auxiliary electric heater (AEH) is optional.

CONTROL DEVICES

REMOTE CONTROLLER SINGLE CONTROLLER



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

WIRED CONTROLLER SINGLE 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

WIRED CONTROLLER CENTRALISED CONTROLLER



This controller is designed for outdoor units controlling, with one controller per 64 indoor units. With smart setting, this controller can provide settings accessible only to end-users and only to admins. It is easy to install and easy to operate





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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)