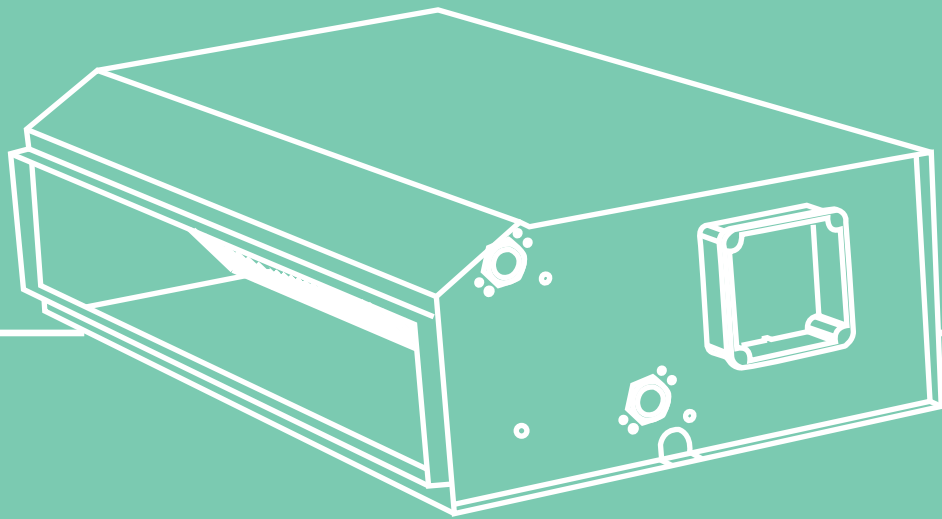
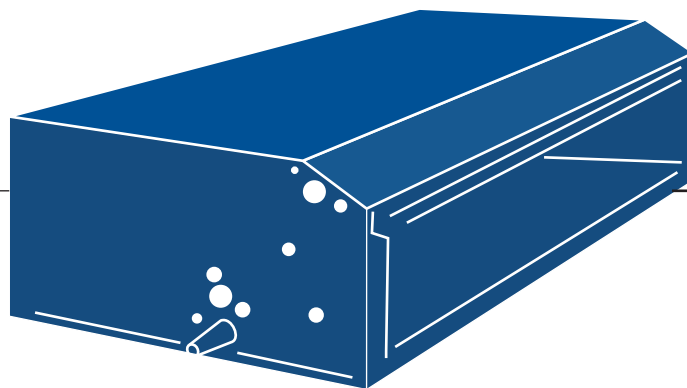


C o o l i n g a s v a s t a s c o m f o r t



Fancoil

- Cost-effective operation and best efficiency.
- Wide capacity options with two or four pipes.
- Compact and low height for flexible installation possibilities.



DESCRIPTION

Fan coil:

- EFC + – Horizontal concealed 2 Pipe.
- EFC + – Horizontal concealed 4 Pipe.
- EDF + – Horizontal ducted 2 Pipe.
- EDF + – Horizontal ducted 4 Pipe.

TYPE OF INDOR UNIT

EFC

Concealed Fan coil unit:

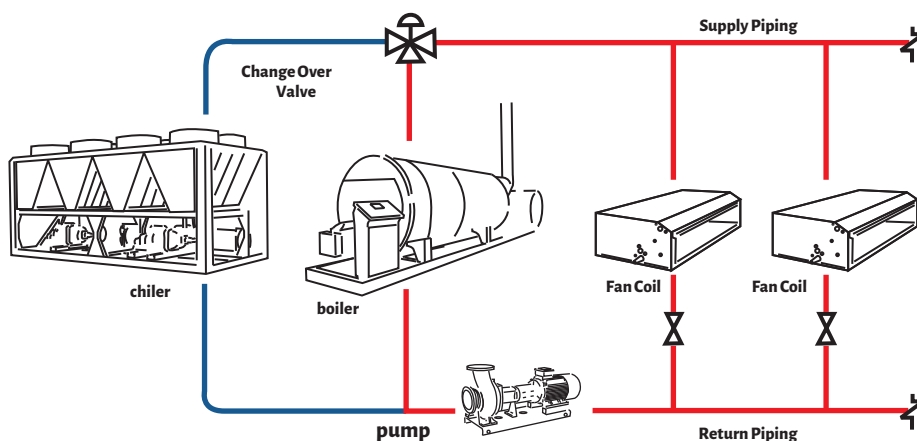
EFC + – Horizontal concealed 2 Pipe:

- Capacity range 2.6–7.1 kw.
- Airflow capacity 300–900 cfm.
- External static pressure 25–35 Pa.
- Lower initial construction costs.
- Cost-effective operation.
- Simplified piping infrastructure.
- Automatic operation based on room thermostat commands.
- Using the same cooling coil (in 2-pipe systems).
- Uses automatic control valves for precise water flow regulation to the coil.
- Easy installation in small assembly spaces, thanks to the limited dimensions.

EFC + – Horizontal Concealed 4 Pipe:

- Capacity range 2.6–7.1 kw.
- Heating capacity second coil (1 Row) 8.8 – 22.6 kw.
- Heating capacity second coil (2 Row) 10.7 – 27.9.
- Airflow capacity 300–1000 cfm.
- External static pressure 25–35 Pa.
- Simultaneous heating & cooling operation.
- Independent temperature control per Unit.
- Higher energy efficiency in large buildings.
- Greater system design flexibility.
- Optimal year-round performance.

2-PIPE SYSTEM: HEATING



EDF

Ducted Fan coil unit:

EDF + – Horizontal Ducted 2 Pipe:

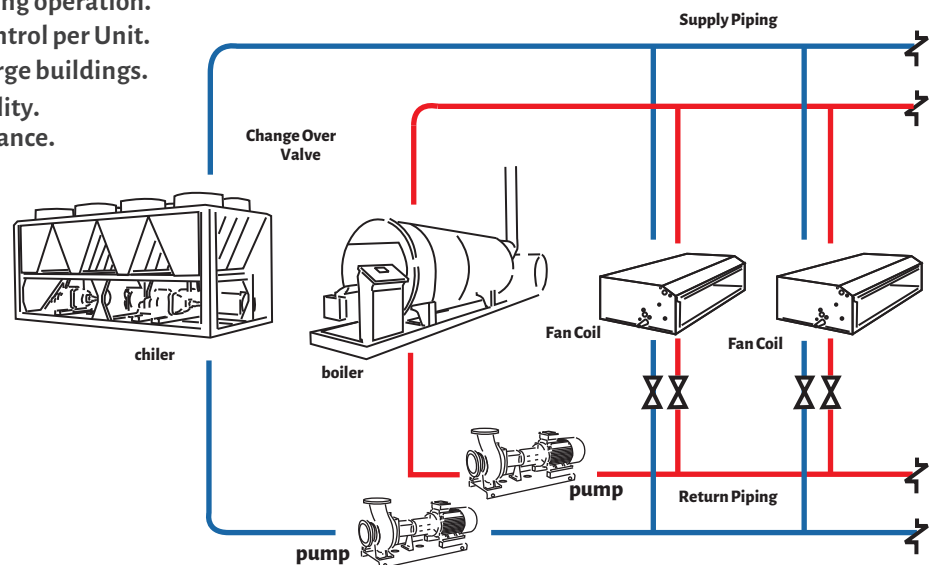
- Capacity range 7.3–18.7 kw.
- Airflow Capacity 800–2200 cfm.
- External static pressure 86–105 Pa.
- Lower initial construction costs.
- Cost-effective operation.
- Simplified piping infrastructure.
- Automatic operation based on room thermostat commands.
- Using the same cooling coil (in 2-pipe systems).
- Uses automatic control valves for precise water, flow regulation to the coil.
- Easy installation in small assembly spaces, thanks to the limited dimensions.



EDF + – Horizontal Ducted 4 Pipe

- Capacity range 7.3–18.7 kW
- Heating capacity second Coil (1 Row) 7 – 17.6 kw.
- Heating capacity second Coil (2 Row) 11– 27.8 kw.
- Airflow capacity 800–2200 cfm.
- External static pressure 86–105 Pa.
- Simultaneous heating & cooling operation.
- Independent temperature control per Unit.
- Higher energy efficiency in large buildings.
- Greater system design flexibility.
- Optimal year-round performance.

4-PIPE SYSTEM

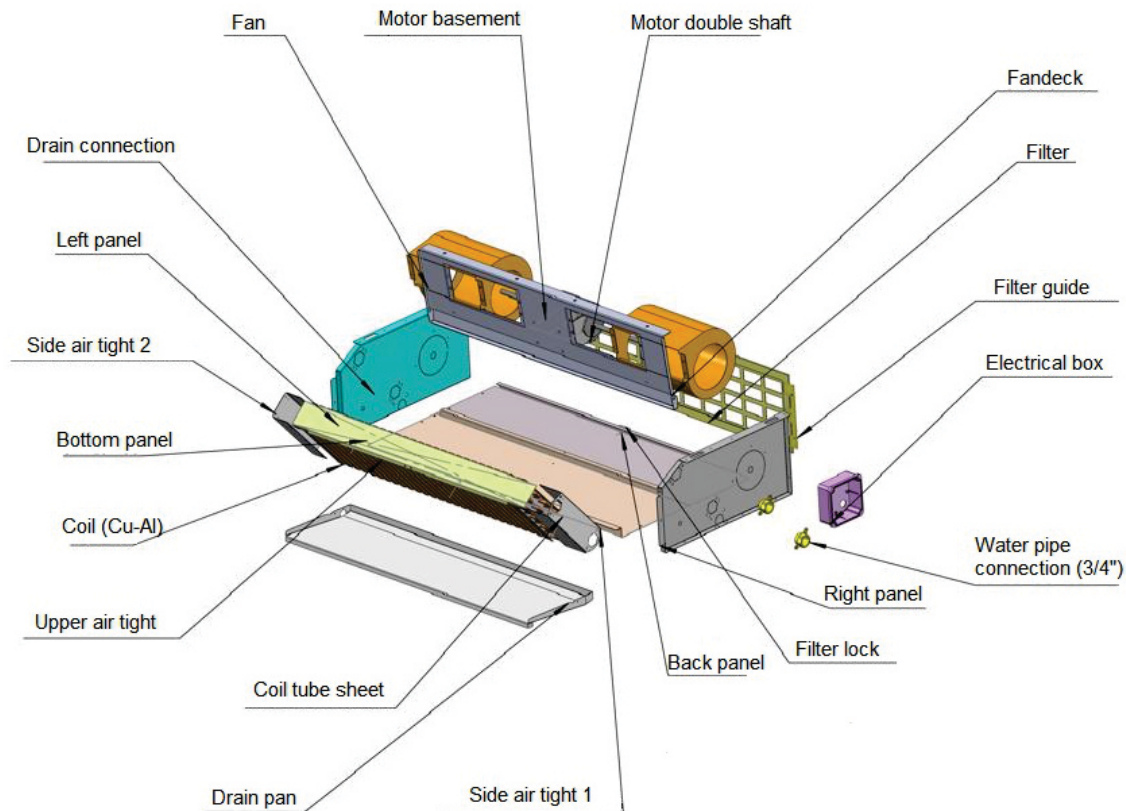
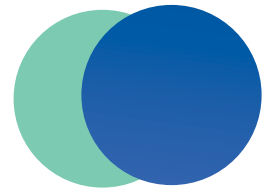


General features

- Exon high-efficiency fan coils with modern and optimized design.
- Ability to connect fresh air duct.
- Using coils made of copper pipe with appropriate thickness for working pressures of 10 and 16 bar and covered with aluminum sinusoidal corrugated fins to increase efficiency and heat exchange – Possibility of providing fins with epoxy coating.
- Has a washable and antifungal G3 filter – Possibility of supplying G4 fiber filters.
- Possibility of air return from the back or bottom of the device.
- Ability to move the pipe connection location from the left to the right side of the machine on site.
- Suitable for various types of apartment and office spaces, etc.
- Heavy-duty galvanized steel for superior durability.
- Extended coverage to effectively capture condensation from valves and piping assemblies.
- Custom-formulated closed-cell foam insulation prevents external condensation formation.

PARTS OF A FAN COIL

• Ceiling Mounted



MODEL		Unit	Concealed fancoil units(2-Pipe)					
			EFC300	EFC400	EFC500	EFC600	EFC800	EFC1000
Air Flow Volume	M3/h		510	680	850	1020	1360	1700
	CFM		300	400	500	600	770	900
External Static Pressure	Pa		25	30	30	30	33	35
Cooling Capacity	Kw		2.6	3.5	4.1	5.1	6.5	7.1
Heating Capacity	Kw		5.8	7.5	8.8	10.6	13.2	15.1
Rows Of Coil	Nr		2	2	2	2	2	2
Water Flow Volume	GPM		1.8	2.4	2.8	3.3	4.5	5.4
Water Pressure Drop	M.water		1.5	2.2	2.3	2.4	3.7	5.1
Fan Type	Type		Forward multi vane low noise centrifugal fan					
Fan Quantity	Nr		2	2	2	2	3	3
Power Supply	V-Ph-Hz		220V-1Ph-50Hz					
Total System Power Input	kw		0.5	0.6	0.8	0.9	1.3	1.5
Air Filter Type	Type		Anti-dust washable air filter					
Sound Pressure Level	High	dB(A)	42	44	48	49	52	53
	Medium		39	40	44	44	46	46
	Low		36	38	40	40	42	42
Net Weight	kg		19	23	25	27	39	41
Dimensions(L×W×H)	mm		806×445×219	906×445×219	906×445×219	1006×455×234	1249×455×234	1249×455×234
Pipe Connection Size	Inlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
	Outlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
	Drain	mm	16	16	16	16	16	16
Accessory			Remote controller&wired controller					

1-Sound pressure measured at a distance of 1,5 m from the source.

2-Cooling capacities are based on entering chilled water temperature of 44 °F and entering air temperature of 80.6°FDB/66.2°F WB.

3-Heating capacities are based on entering hot water temperature of 167°F and entering air temperature of 72°F DB at fan high speed

MODEL		Unit	Concealed fancoil units(4-Pipe)					
			EFC300	EFC400	EFC500	EFC600	EFC800	EFC1000
Air Flow Volume	M3/h		510	680	850	1020	1360	1700
	CFM		300	400	500	600	800	1000
External Static Pressure	Pa		25	30	30	30	33	35
Cooling Capacity	Kw		2.6	3.5	4.1	5.1	6.5	7.1
Heating Capacity	Second Coil (1row)	Kw	8.8	11.4	13.3	15.8	19.6	22.6
	Second Coil (2row)	Kw	10.7	13.8	16.2	19.2	24	27.9
Rows Of main Coil	Nr		3					
Rows Of second Coil	Nr		1-2					
Water Flow Volume	GPM		1.8	2.4	2.8	3.3	4.5	5.4
Water Pressure Drop	M.water		1.5	2.2	2.3	2.4	3.7	5.1
Fan Type	Type		Forward multi vane low noise centrifugal fan					
Fan Quantity	Nr		2	2	2	2	3	3
Power Supply	V-Ph-Hz		220V-1Ph-50Hz					
Total System Power Input	kw		0.5	0.6	0.8	0.9	1.3	1.5
Air Filter Type	Type		Anti-dust washable air filter					
Sound Pressure Level	High	dB(A)	42	44	48	49	52	53
	Medium		39	40	44	44	46	46
	Low		36	38	40	40	42	42
Net Weight	kg		22	26	28	30	43	45
Dimensions(L×W×H)	mm		806×445×219	906×445×219	906×445×219	1006×455×234	1249×455×234	1249×455×234
Pipe Connection Size	Inlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
	Outlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
	Drain	mm	16	16	16	16	16	16
Accessory			Remote controller&wired controller					

1-Sound pressure measured at a distance of 1,5 m from the source.

2-Cooling capacities are based on entering chilled water temperature of 44 °F and entering air temperature of 80.6°FDB/66.2°F WB.

3-Heating capacities are based on entering hot water temperature of 167°F and entering air temperature of 72°F DB at fan high speed

MODEL		Unit	Ducted fancoil units(2-Pipe)					
			EDF800	EDF1000	EDF1200	EDF1500	EDF1800	EDF2200
Air Flow Volume	M3/h		1360	1700	2040	2550	3060	3655
	CFM		800	1000	1200	1500	1800	2150
External Static Pressure	Pa		86	90	90	95	95	105
Cooling Capacity	Kw		7.3	9.5	10.6	13.3	16.6	18.7
Heating Capacity	Kw		14.7	19	22.6	27.5	33	38.5
Rows Of Coil	Nr		2	2	2	2	2	2
Water Flow Volume	GPM		5	6.5	7.2	9	10.9	12.5
Water Pressure Drop	M.water		2.7	3.5	2.1	3.6	3.8	4.5
Fan Type	Type		Forward multi vane low noise centrifugal fan					
Fan Quantity	Nr		2	2	2	2	2	2
Power Supply	V-Ph-Hz		220V-1Ph-50Hz					
Total System Power Input	kw		0.2	0.3	0.4	0.5	0.5	0.7
Air Filter Type	Type		Anti-dust washable air filter					
Sound Pressure Level	High	dB(A)	51	51	53	55	57	58
	Medium		48	48	49	51	52	53
	Low		44	44	46	47	48	48
Net Weight	kg		38	42	46	52	56	61
Dimensions(LxWxH)	mm		1050×560×327	1050×560×327	1100×560×327	1350×600×327	1350×600×380	1450×600×380
Pipe Connection Size	Inlet	inch	3/4	3/4	3/4	1	1	1
	Outlet	inch	3/4	3/4	3/4	1	1	1
	Drain	mm	19	19	19	19	19	19
Accessory			Remote controller&wired controller					

1-Sound pressure measured at a distance of 1,5 m from the source.

2-Cooling capacities are based on entering chilled water temperature of 44 °F and entering air temperature of 80.6°FDB/ 66.2°F WB.

3-Heating capacities are based on entering hot water temperature of 167°F and entering air temperature of 72°F DB at fan high speed

MODEL		Unit	Ducted fancoil units(4-Pipe)					
			EDF800	EDF1000	EDF1200	EDF1500	EDF1800	EDF2200
Air Flow Volume	M3/h		1360	1700	2040	2550	3060	3655
	CFM		800	1000	1200	1500	1800	2100
External Static Pressure	Pa		86	90	90	95	95	105
Cooling Capacity	Kw		7.3	9.5	10.6	13.3	16.6	18.7
Heating Capacity	Second Coil (1row)	Kw	7	8.2	9.7	12.1	14.6	17.6
	Second Coil (2row)	Kw	11	13.2	15.5	19.8	23.5	27.8
Rows Of main Coil	Nr		3					
Rows Of second Coil	Nr		1-2					
Water Flow Volume	GPM		4.5	4.5	5.5	6.5	8	9.5
Water Pressure Drop	M.water		2.7	3.5	2.1	3.6	3.8	4.5
Fan Type	Type		Forward multi vane low noise centrifugal fan					
Fan Quantity	Nr		2	2	2	2	2	2
Power Supply	V-Ph-Hz		220V-1Ph-50Hz					
Total System Power Input	kw		0.2	0.3	0.4	0.5	0.5	0.7
Air Filter Type	Type		Anti-dust washable air filter					
Sound Pressure Level	High	dB(A)	51	51	53	55	57	58
	Medium		48	48	49	51	52	53
	Low		44	44	46	47	48	48
Net Weight	kg		38	42	46	52	56	61
Dimensions(LxWxH)	mm		1050×560×327	1050×560×327	1100×560×327	1350×600×327	1350×600×380	1450×600×380
Pipe Connection Size	Inlet	inch	3/4	3/4	3/4	1	1	1
	Outlet	inch	3/4	3/4	3/4	1	1	1
	Drain	mm	19	19	19	19	19	19
Accessory			Remote controller&wired controller					

1-Sound pressure measured at a distance of 1,5 m from the source.

2-Cooling capacities are based on entering chilled water temperature of 44 °F and entering air temperature of 80.6°FDB/ 66.2°F WB.

3-Heating capacities are based on entering hot water temperature of 167°F and entering air temperature of 72°F DB at fan high speed