39XT

Air Handling Unit

Air flow: 2000~200000m³/h

Turn To The Experts

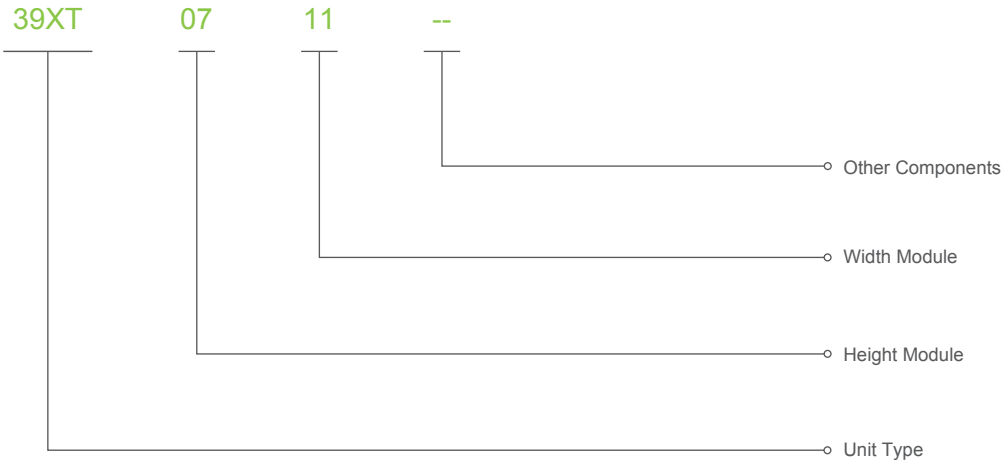
Carrier is a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies.

Supported by the iconic Carrier name, the company's portfolio includes industry-leading brands such as Carrier, Kidde, Edwards, LenelS2 and Automated Logic.

Carrier's businesses enable modern life, delivering efficiency, safety, security, comfort, productivity and sustainability across a wide range of residential, commercial and industrial applications.

In 1998, Time magazine named Dr. Carrier oneof its 20 most influential builders and titans of the 20th century.

Identification & Dimension



General rule of the height, width and length of a section or unit can be determined with the module concept:

A.39XT 0608-2333

（1）Unit Height=Height module×100+104+100(base)

（2）Unit Width=Width module×100+104

Example: 39XT 0711

07 Height Module

Unit Height=7×100+104+100(base)=904mm

11 Width Module

Unit Width=11×100+104=1204mm

B. 39XT 2532-4750

（1）Unit Height=Height module×100+104+200(base)

（2）Unit Width=Width module×100+104

Example:39XT 3132

31 Height Module

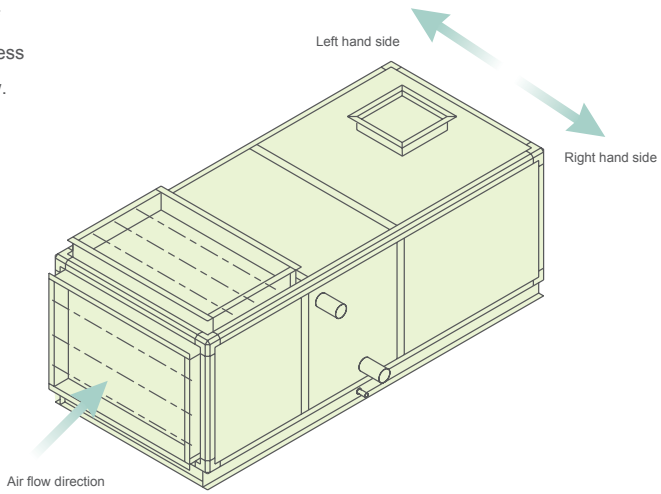
Unit Height=31×100+104+200(base)=3404mm

32 Width Module

Unit Width=32×100+104=3304mm

Unit orientation

Unit Orientation is determined by the location of the inlet and outlet pipes of the coil and the access panel while facing unit in the direction of air flow.



Air volume

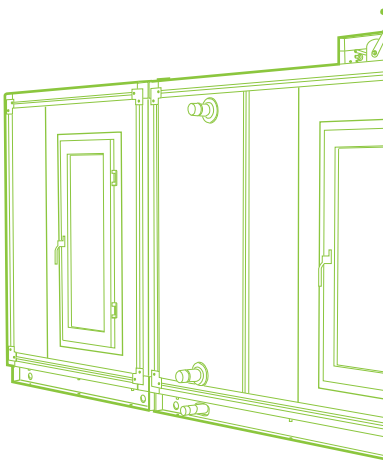
39XT: 2000~200000m^3/h

Corrugated damper flexible to adjust

- Manual or electric mode available. The corrugated linkage damper can be opened flexibly, and can also add an electric controller as required.

Unit panel inside

- Treated with a special gap-filling glue, the inner wall is smooth, and free of cutting burr and welding marks. Panel sealing is mor ensured.



Quiet and vibration-free operation

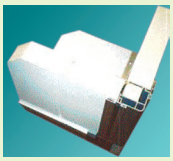
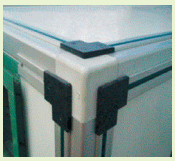
- All fan impellers and belts are subjected to static and dynamic balance calibrations, and overload tests before delivery.

High-performance coils

- All cooling and heating coils are composed of copper tubes and aluminum foils through mechanical expanders, and proviede with a strong galvanized steel frame. The entire header is subjected to special anti-corrosive treatment after welding. Each coil is subjected to the reliability air pressure leak test at 2.8Mpa. Each coil is equipped with a vent valve and a drainage valve to ensure complete discharge. The entire coil is placed on a slide for easy movement.

The casing adopts a patented construction

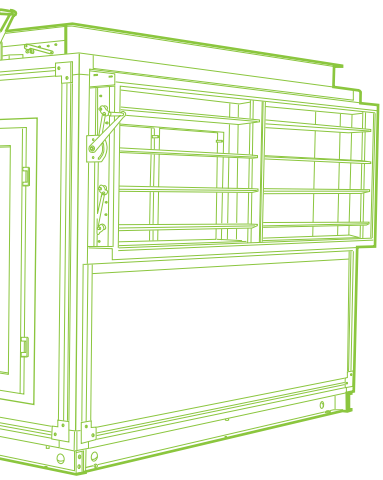
- It can withstand severe weather, and possible wear and tear in operation, and avoid any possible damage in shipment or stacking casing. The casing and access door are of a patented double-skin structure to ensure that all performances reach internationally advanced level.

High airtight construction, double-skin panel

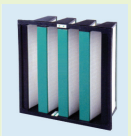
- The high air-tightness of Carrier's double-skin panel for air-handling units is from the special no-toxic and pollution-free ga-filling glue. This feature makes it not only applicable to general commercial air conditioning needs, but also meet stringent needs for industrial air conditioning and clean-room air conditioning.


AHRI CERTIFIED®
www.ahridirectory.org
Air-Cooling and Air-Heating Coils
AHRI Standard 410



Various filters available to meet different needs

- Filters of various filtering levels are available ranging from low efficiency filters (Panel type, efficiency: G4), to medium efficiency filters (Bag type, efficiency: F9), and to high efficiency filters (H13). And some special filters such as activated carbon filters, cartridge filters and destatic filters can also be proviede.


High efficiency filter


Bag filter


Panel filter

Various filters available to meet different needs

- A standard drain pan may be constructed of stainless steel sheet, with 10mm thick insulation outside the drain pan. The drain pipe is arranged at the bottom of the drain pan to ensure complete drainage and side drainage. The inlet and outlet pipes of the drain pipe and coil are arranged on the same side.

Europe standard (EUROVENT)

39XT series unit is an air-handling unit for clean rooms designed with internationally up-to-date designing technology, materials and technology, all technical parameters of which refer to various highest standards of European air handling units.

EUROVENT is professional certification for ventilation and air conditioning of buildings for human comfort indetified all over the world. It is awarded from EUROVENT certification company in France, which is one oft the most authoritative organization in the world.

EUROVENT Certification contains EN1886 and EN13053.

EN1886 is the standard for mechanical performance of air-handling unit, including Mechanical Strength, Cold Bridge Factor, Thermal Transmittance, Air Leakage Rate of Casing, Filter Bypass Rate and Acoustic Insulation of Casing.

EN13053 certification primarily targets machine performance testing to ensure that the actually measured values of air flow, air pressure, coil heating/cooling capacity, motor input power and noise are superior to calculated values for selection procedures, i.e. the actual coil cooling capacity, heating capacity, air blow and air pressure are higher than the calculated values, but motor input power and noise are below the calculated values for selection procedures.

Casing Performance	39XT
Mechanical Strength of Casing	D1(M)
Thermal Bridge Factor	TB1
Thermal Transmittance	T1
Air Leakage Rate(-400/+700Pa)	L1(M)
Filter Bypass Leakage	F9(M)

EN1886: Europe standard for air-handling unit

Casing Class	(mm.m-1)	Withstand Max. Fan Pressure
D1	4	Yes
D2	10	Yes
D3	>10	Yes

Class TB1	0.75 < Kb ≤ 1
Class TB2	0.6 < Kb ≤ 0.75
Class TB3	0.45 < Kb ≤ 0.6
Class TB4	0.3 < Kb ≤ 0.45
Class TB5	No requirement

	Max. air leakage rate l/sm² (-400Pa)	Max. air leakage rate l/sm² (+700Pa)
L1	0.15	0.22
L2	0.44	0.63
L3	1.32	1.90

Mechanical Strength of Casing

Max. Deflection refers to the maximum alowable elastic deflection of the unit at ±1000Pa. Withstand Max. Fan Pressure means that the unit will not suffer from permanent deformation at ±2500Pa.

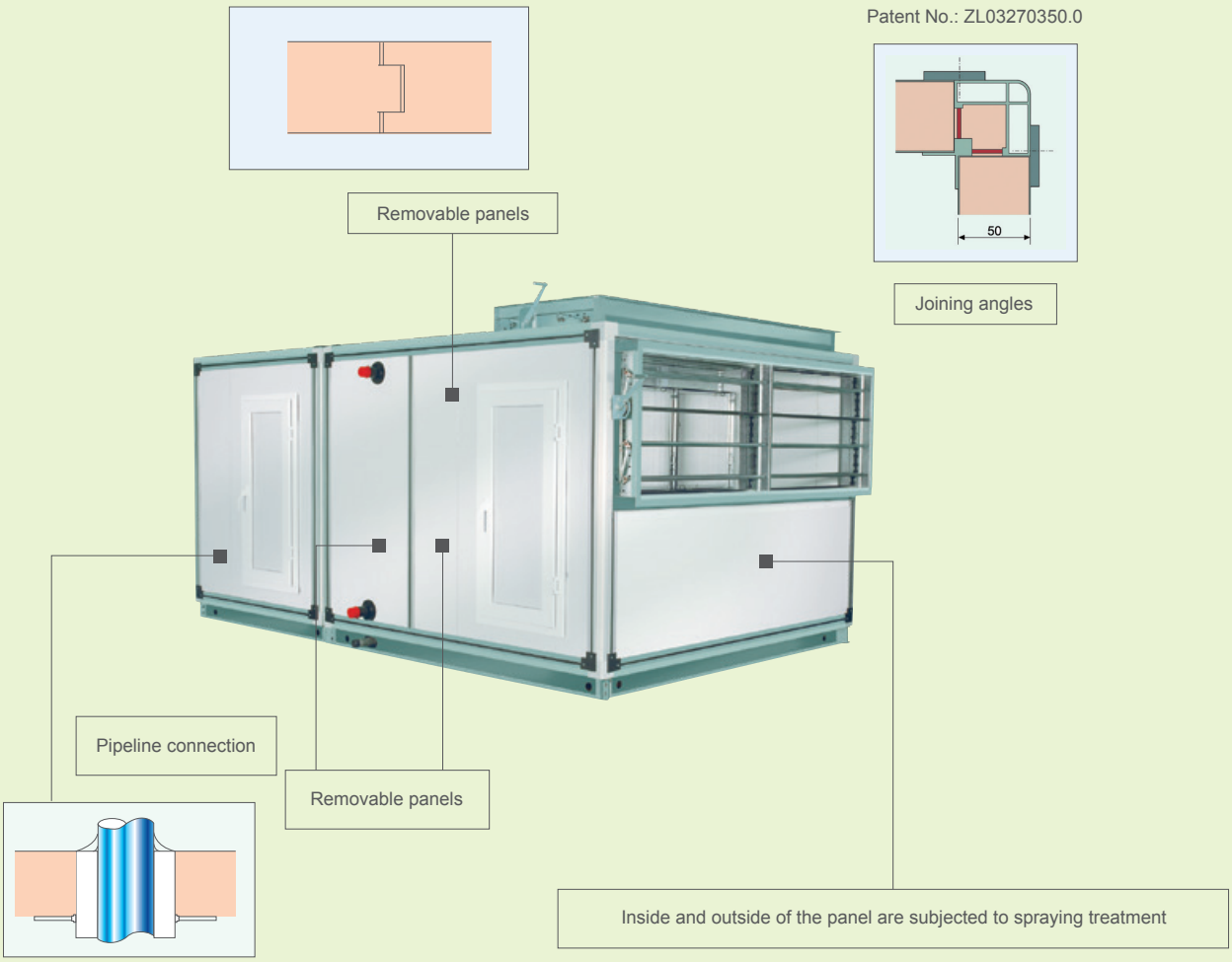
Thermal Bridge Factor

Thermal Bridge Factor Kb=Tmin/Tair, where Tmin refers to the difference between temperature inside the unit and outer surface temperature of the unit, and Tair the difference between temperature inside the unit and ambient temperature.

Air Leakage Rate

The air leakage rate of the unit is measured at 400Pa internal negative pressure and 700Pa internal positive pressure.

Casing properties



Excellent airtightness

The casing is made up of panels, frame and sealing strips. The panels are connected accurately by adopting unique embedded abutting method. Type of sealing strips between the frame and the panels, and careful sealing design to all access panels and locations passing-through pipes ensure excellent air tightness of the unit.

Optimal thermal insulation

Between unit panels, a 50mm thick polyurethane foam insulation material is inserted, and even between aluminum frames are added polyurethane materials, with each ujnction subject to special heat insulation treatment. The units are ensured to have no condensation in a variety of damp conditions. The outer surface of the panels is teated with special spraying to ensure godd fireproof and rust-preventive performance of the unit.

Robust casing strength

The patented doublel-skin panel and joining-angle structure enable the units to maintain stable performance in all kinds of harsh environments and prevent the units from permanent deformation under the maximum deisgn air pressure.

Quick selection

Model	Rating air volume	Coil face	Air Volume (m^3/h) Face Velocity			Inside Dimension of Damper	Unit Dimension (mm)	
	m^3/h	Area m^2	2.25m/s	2.5m/s	2.75m/s	mm*mm	Height	Width
39XT0608	2000	0.23	1863	2070	2277	704*322.5	704	904
39XT0609	3000	0.32	2592	2880	3168	804*322.5	704	1004
39XT0711	4000	0.46	3726	4140	4554	1004*322.5	804	1204
39XT0811	5000	0.57	4617	5130	5643	1004*322.5	904	1204
39XT0912	6000	0.69	5589	6210	6831	1104*322.5	1004	1304
39XT0913	7000	0.76	6156	6840	7524	1204*480	1004	1404
39XT0914	8000	0.84	6804	7560	8316	1304*480	1004	1504
39XT1015	10000	1.06	8586	9540	10494	1404*480	1104	1604
39XT1117	12000	1.31	10611	11790	12969	1604*480	1204	1804
39XT1317	15000	1.68	13608	15120	16632	1604*480	1404	1804
39XT1418	18000	1.90	15390	17100	18810	1704*637.5	1504	1904
39XT1420	20000	2.14	17334	19260	21186	1904*637.5	1504	2104
39XT1621	25000	2.62	21222	23580	25938	2004*637.5	1704	2204
39XT1822	30000	3.26	26406	29340	32274	2104*795	1904	2304
39XT1825	32000	3.75	30375	33750	37125	2404*795	1904	2604
39XT2025	35000	4.04	32724	36360	39996	2404*795	2104	2604
39XT2125	40000	4.33	35073	38970	42867	2404*952.5	2204	2604
39XT2226	45000	4.82	39042	43380	47718	2504*952.5	2304	2704
39XT2328	50000	5.39	43659	48510	53361	2704*952.5	2404	2904
39XT2330	55000	5.81	47061	52290	57519	2904*952.5	2404	3004
39XT2333	60000	6.44	52164	57960	63756	3204*952.5	2404	3404
39XT2532	73000	8.06	65286	72540	79794	3104*952.5	2604	3304
39XT2832	80000	8.97	72657	80730	88803	3104*952.5	2904	3304
39XT3132	90000	9.89	80109	89010	97911	3104*1267.5	3204	3304
39XT3438	110000	12.16	98496	109440	120384	3704*1267.5	3504	3904
39XT3841	130000	14.47	117207	130230	143253	4004*1582.5	3904	4204
39XT4444	160000	17.48	141588	157320	173052	4304*1582.5	4504	4504
39XT4750	200000	21.75	176175	195750	215325	4904*1582.5	4804	5104

Note: 1. The unit height does not include the damper on the top and the base of 100mm(0608-2333)/200mm(2532-4750).
2. Above table is just for your reference. Please refer Carrier AHU selection software for detail information.

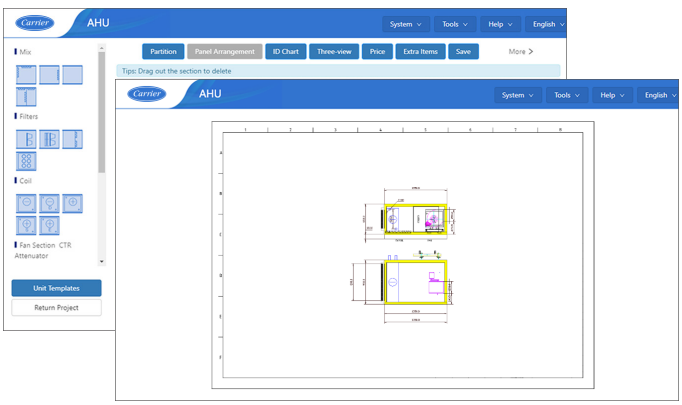
Software

Computer Selection

Our company provides the double-quick and accurate computer selection. We will get the reasonable and economic unit by working out the optimal function configuration to meet the customer's requirement.

Functions & Features

- Project Management
- Modular Designer
- Free Section Combining
- Section & Option Configuration
- Shipping Configuration
- Performance Calculation
- Quotation
- Drawings & Tech Specification
- Multilingual & Friendly Interface

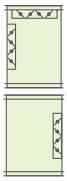
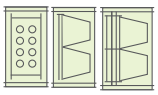


Electric heater selection

No.	Unit Model	Face Area	1 Row Heater	2 Row Heater	3 Row Heater
	Unit Size	m^2	Power range (kW)	Power range (kW)	Power range (kW)
1	39XT0608	0.21	<4	4~8	8~12
2	39XT0609	0.25	<5	5~10	10~15
3	39XT0711	0.42	<7	7~14	14~21
4	39XT0811	0.49	<11	11~22	22~33
5	39XT0912	0.65	<13	13~26	26~39
6	39XT0913	0.72	<15	15~30	30~45
7	39XT0914	0.80	<17	17~34	34~51
8	39XT1015	0.99	<24	24~48	48~72
9	39XT1117	1.29	<28	28~56	56~84
10	39XT1317	1.56	<35	35~70	70~105
11	39XT1418	1.83	<38	38~76	76~114
12	39XT1420	2.08	<43	43~86	86~129
13	39XT1621	2.55	<45	45~90	90~135
14	39XT1822	3.07	<58	58~116	116~174
15	39XT1825	3.56	<70	70~140	140~210
16	39XT2025	4.00	<80	80~160	160~240
17	39XT2125	4.21	<90	90~180	180~270
18	39XT2226	4.63	<95	95~190	190~285
19	39XT2328	5.29	<100	100~200	200~300
20	39XT2330	5.72	<105	105~210	210~315
21	39XT2333	6.36	<120	120~240	240~360
22	39XT2532	6.33	<145	145~290	290~435
23	39XT2832	7.24	<160	160~320	320~480
24	39XT3132	8.15	<175	175~350	350~525
25	39XT3438	10.56	<225	225~450	450~675
26	39XT3841	12.66	<285	285~570	570~855
27	39XT4444	16.03	<350	350~700	700~1050
28	39XT4750	19.98	<455	455~910	910~1365

Note: 1. Star connection is used in the wiring of electric heaters. Multi-group control is available, in which the capacity for each group is generally 30kW or less.
The power supply is 3-phase 380V.
2. Minimum air velocity is 2m/s.
3. 3M module holds maximum of 3 row heater.
4. Capacity exceeding 3 row should choose two separated heaters in 6M module section.

Standard components

No.	Unit Section	Diagram	Section Length (M: Module)	Remark
1	Return/Mixing Chamber		(0608~0912) 5M (0913~1317) 6M (1418~1621) 8M (1822~2025) 9M (2125~2333) 11M (2532~2832) 12M (3132~3438) 15M (3841~4750) 18M	1. Could be used as access section 2. Could reduce the length of section suitably when the direction of in/out air is horizontal
2	Electrostatic*/Bag/Combined Filter		4M、3/4/5/6/8/9M	Access section is recommended at upstream
3	Cooling Coil		5M or 6M; 12M	1. For 0608~2333, the section length is 5M with drift eliminator and 6M with out drift eliminator 2. For 2532~4750, the section length is 12M
4	Heating Coil		3M	May be installed together with the cold water coil if the cooling coil does not include a film humidifier and a drift eliminator
5	Steam Heating Coil		3M	Pay attention that the steam pressure could impact the heating capacity
6	Electric Heating Coil		3M	Pay attention to the power sage of control
7	Steam Humidifier		6M	Pay attention that the steam pressure could impact the heating capacity
8	Film Humidifier *		0M	May be installed directly in the coils and drain pan, no additional space needed
9	Spray Humidifier *		6M/8M	Could share the drift eliminator with colling coil when it is installed next the coil
10	Electric Humidifier		6M	
11	Fan		Refer to fan table	Four discharge configurations available
12	Combined Mixing Chamber		(0608~0912) 10M (0913~1825) 12M (2025~2333) 18M (2532~2832) 26M (3132~3438) 32M (3841~4750) 38M	Could be used as access section
13	Attenuator		6M (1 Level) 12M (2 Level)	Access section is recommended at upstream
14	Plenum/Access		≥1M	The length can not be less than 5M, when it is used as access section
15	High Efficiency Filter		≥8M	Already include the access section at upstream
16	Energy Recovery *		6M/9M (Heat wheel)	Pre-filter at upstream and access section at downstream are recommended Module of plate exchanger depends on unit model

Note: The section with "*" is not available for 2532~4750 in the selection software, please contact Carrier sales office.

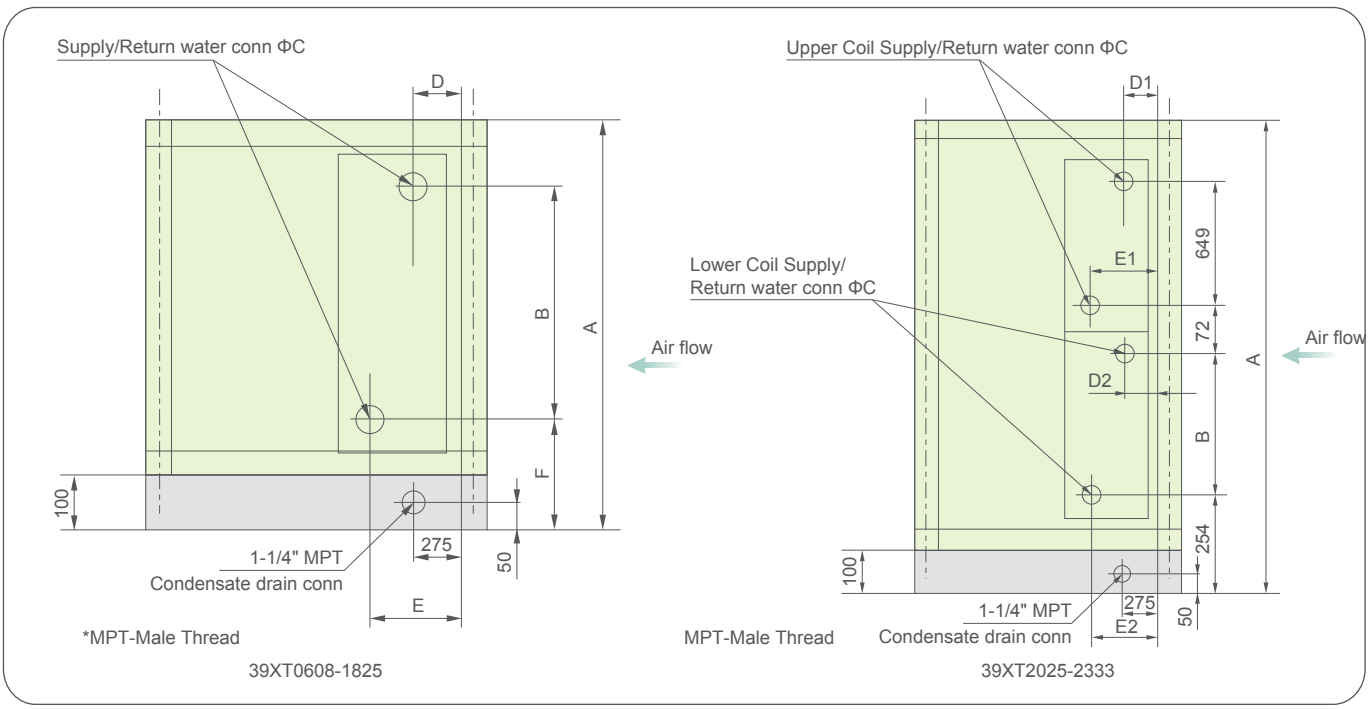
Coil Connection (0608-2333)

Unit Size	A	B	ØC	F
39XT0608	804	357	1-1/2" MPT	238
39XT0609	804	421	1-1/2" MPT	238
39XT0711	904	472	2" MPT	244
39XT0811	1004	599	2" MPT	244
39XT0912	1104	647	2-1/2" MPT	252
39XT0913	1104	647	2-1/2" MPT	252
39XT0914	1104	647	2-1/2" MPT	252
39XT1015	1204	774	-1/2" MPT	252
39XT1117	1304	824	3" MPT	259
39XT1317	1504	1078	3" MPT	259
39XT1418	1604	1142	3" MPT	259
39XT1420	1604	1142	3" MPT	259
39XT1621	1804	1332	3" MPT	259
39XT1822	2004	1586	3" MPT	259
39XT1825	2004	1586	3" MPT	259

Unit Size	Coil Row	D	E	ØC
39XT0608~1825	2Rows Hot Water	55	138	1-1/2" MPT
39XT0608~1015	4Rows	91	174	
39XT1117~1825	4Rows	84	181	
39XT0608~0609	6Rows	63	201	
39XT0711~0811	6Rows	70	194	See above table
39XT0912~1015	6Rows	77	187	
39XT1117~1825	6Rows	84	180	
39XT0608~1825	8Rows	84	226	

Unit Size	A	B	ØC	ØF
39XT2025	2204	951	3" MPT	259
39XT2125	2304	1078	3" MPT	259
39XT2226	2404	1205	3" MPT	259
39XT2328	2504	1269	3" MPT	259
39XT2330	2504	1269	3" MPT	259
39XT2333	2504	1269	3" MPT	259

Unit Size	Coil Row	D	E	ØC
39XT2025~2333	2Rows Hot Water	55	138	1-1/2" MPT
39XT2025~2333	4Rows	109	206	
39XT2025~2333	6Rows	109	206	See above table
39XT2025~2333	8Rows	88	226	



Cooling coil connection (2532~4750)

Unit Size	Total Qty of Coil	Coil Model*Qty	Coil Diameter*Qty
39XT2532	2	5100*2	Ø89*4
39XT2832	2	5100*1	Ø89*2
		6100*1	6100 Under coil: Ø48*2
			6100 Lower coil: Ø89*2
39XT3132	2	5100*1	Ø89*2
		7100*1	7100 Under coil: Ø48*2
			7100 Lower coil: Ø89*2
39XT3438	4	760*2	760 Under coil: Ø48*4
			760 Lower coil: Ø89*4
		660*2	660 Under coil: Ø48*4
			660 Lower coil: Ø60*4
39XT3841	4	760*2	760 Under coil: Ø48*4
			760 Lower coil: Ø89*4
		770*2	770 Under coil: Ø48*4
			770 Lower coil: Ø89*4
39XT4444	6	570*4	Ø89*8
		670*2	670 Under coil: Ø48*4
			670 Lower coil: Ø89*4
39XT4750	6	580*2	Ø89*4
		680*4	680 Under coil: Ø48*8
			680 Lower coil: Ø89*8

Note: Table and figure are just for your reference, Both sides water connection for unit 3438~4750.

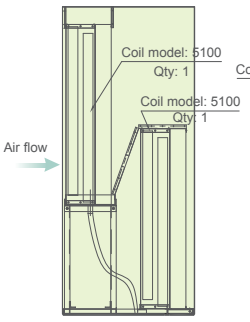


Figure 1: 39XT 2532

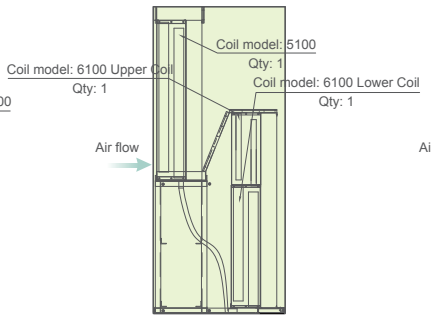


Figure 2: 39XT 2832

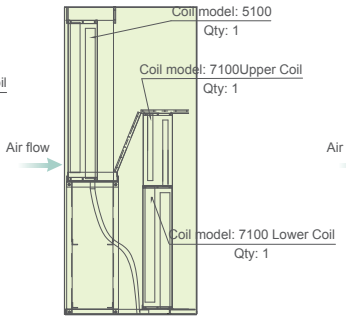


Figure 3: 39XT 3132

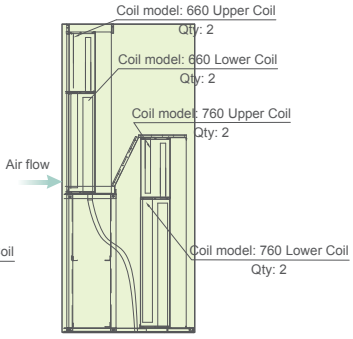


Figure 4: 39XT 3438

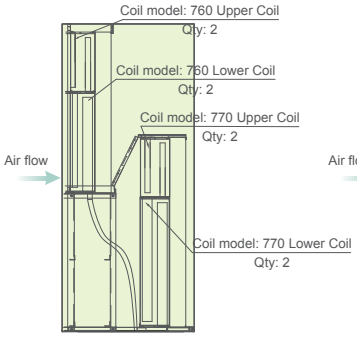


Figure 5: 39XT 3841

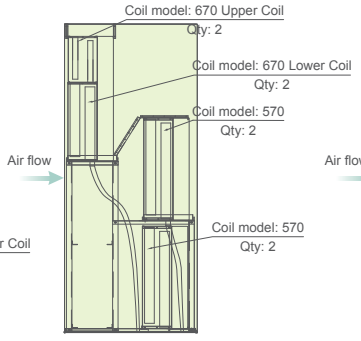


Figure 6: 39XT 4444

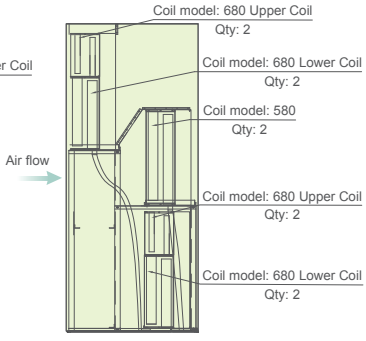


Figure 7: 39XT 4750

Heating coil connection (2532~4750)

Unit Size	Total Qty of Coil	Coil Model*Qty	Coil Diameter*Qty
39XT2532	2	4100*2	Ø48*4
39XT2832	2	4100*1	Ø48*2
		5100*1	Ø48*2
39XT3132	2	5100*2	Ø48*4
39XT3438	6	360*2	Ø48*4
		460*4	Ø48*8
39XT3841	6	460*3	Ø48*6
		470*3	Ø48*6
39XT4444	6	470*2	Ø48*4
		570*4	Ø48*8
39XT4750	6	580*6	Ø48*12

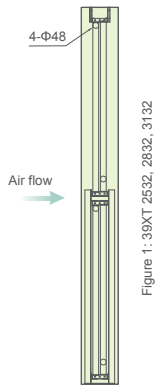


Figure 1: 39XT 2532, 2832, 3132

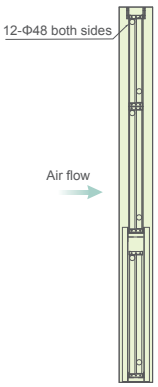


Figure 2: 39XT 3438, 4444, 4750

Note: Table and figure are just for your reference, Both sides water connection for unit 3438~4750.

Steam coil connection (0608~1117)

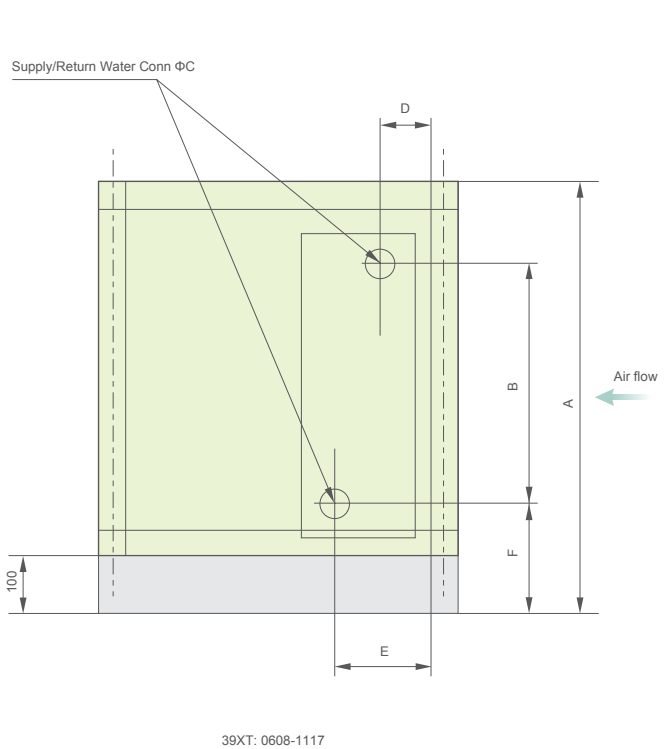
Unit Size	A	B	ØC	F	D	E
39XT0608	804	374	2" MPT	250	80	150
39XT0609	804	374	2" MPT	250	80	150
39XT0711	904	418	2" MPT	250	80	150
39XT0811	1004	560	2" MPT	250	80	150
39XT0912	1104	631	2" MPT	250	80	150
39XT0913	1104	631	2" MPT	250	80	150
39XT0914	1104	631	2" MPT	250	80	150
39XT1015	1204	738	2" MPT	250	80	150
39XT1117	1304	738	2" MPT	250	80	150

Note: The data in table are just for your reference.

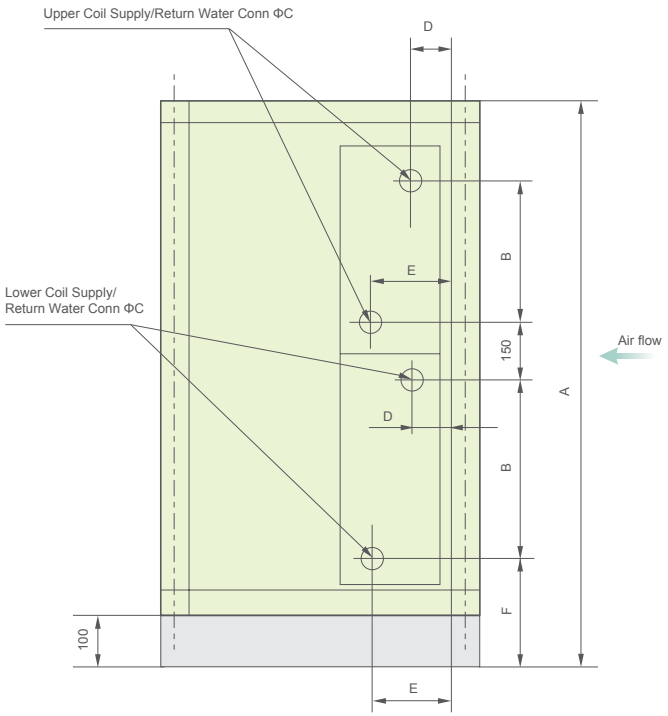
Steam coil connection (1317~2333)

Unit Size	A	B	ØC	F	D	E
39XT1317	1504	489	2" MPT	250	80	150
39XT1418	1604	520	2" MPT	250	80	150
39XT1420	1604	520	2" MPT	250	80	150
39XT1621	1804	631	2" MPT	250	80	150
39XT1822	2004	738	2" MPT	250	80	150
39XT1825	2004	738	2" MPT	250	80	150
39XT2025	2204	844	2" MPT	250	80	150
39XT2125	2304	844	2" MPT	250	80	150
39XT2226	2404	844	2" MPT	250	80	150
39XT2328	2504	884	2" MPT	250	80	150
39XT2330	2504	884	2" MPT	250	80	150
39XT2333	2504	884	2" MPT	250	80	150

Note: The data in table are just for your reference



39XT: 0608-1117



39XT: 1317-2333

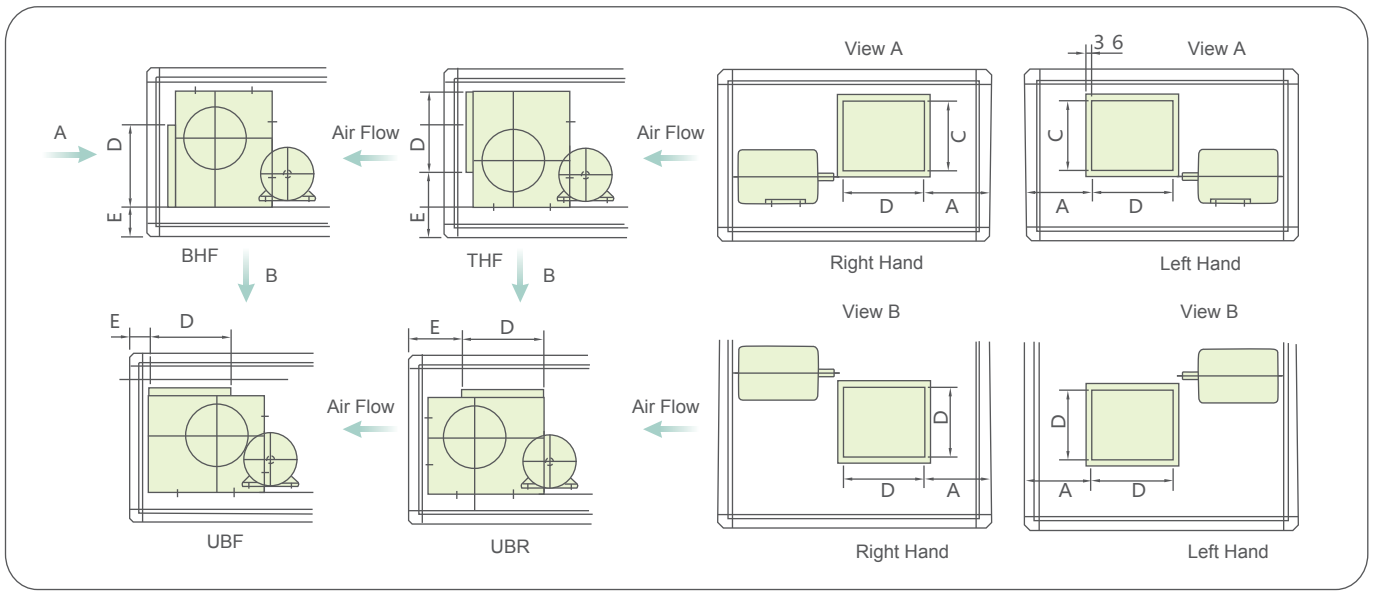
Connection Dimensions of unit 2532~4750 depend on the actual condition

Fan & Motor (0608~2333)

Unit Size	Fan Model	Max. Motor Power (kW)	Max.Motor Model
39XT0608	FC160 FC180	1.5	Y90
39XT0609	FC180 FC200	2.2	Y100
39XT0711	FC200 FC225	3.7	Y112
39XT0811	FC225 FC/BC250	3.7	Y112
39XT0912	FC/BC250 FC/BC280	5.5	Y132
39XT0913	FC/BC280 FC/BC315	5.5	Y132
39XT0914	FC/BC315 FC/BC355	7.5	Y132
39XT1015	FC/BC355 FC/BC400	7.5	Y132
39XT1117	FC/BC400 FC/BC450	11	Y160
39XT1317	FC/BC400 FC/BC450	15	Y160
39XT1418	FC/BC450 FC/BC500	15	Y160
39XT1420	FC/BC500 FC/BC560	18.5	Y180
39XT1621	FC/BC560 FC/BC630	18.5	Y180
39XT1822	FC/BC560 FC/BC630	18.5	Y180
39XT1825	FC/BC630 FC/BC710	30	Y200
39XT2025	FC/BC630 FC/BC710	30	Y200
39XT2125	FC/BC710 FC/BC800	30	Y200
39XT2226	FC/BC710 FC/BC800	30	Y200
39XT2328	FC/BC800 FC/BC900	37	Y225
39XT2330	FC/BC800 FC/BC900	37	Y225
39XT2333	FC/BC800 FC/BC900	45	Y225

Note: Please refer to selection software for detailed fan section parameter.

Fan Arrangement-Horizontal Unit (0608~2333)

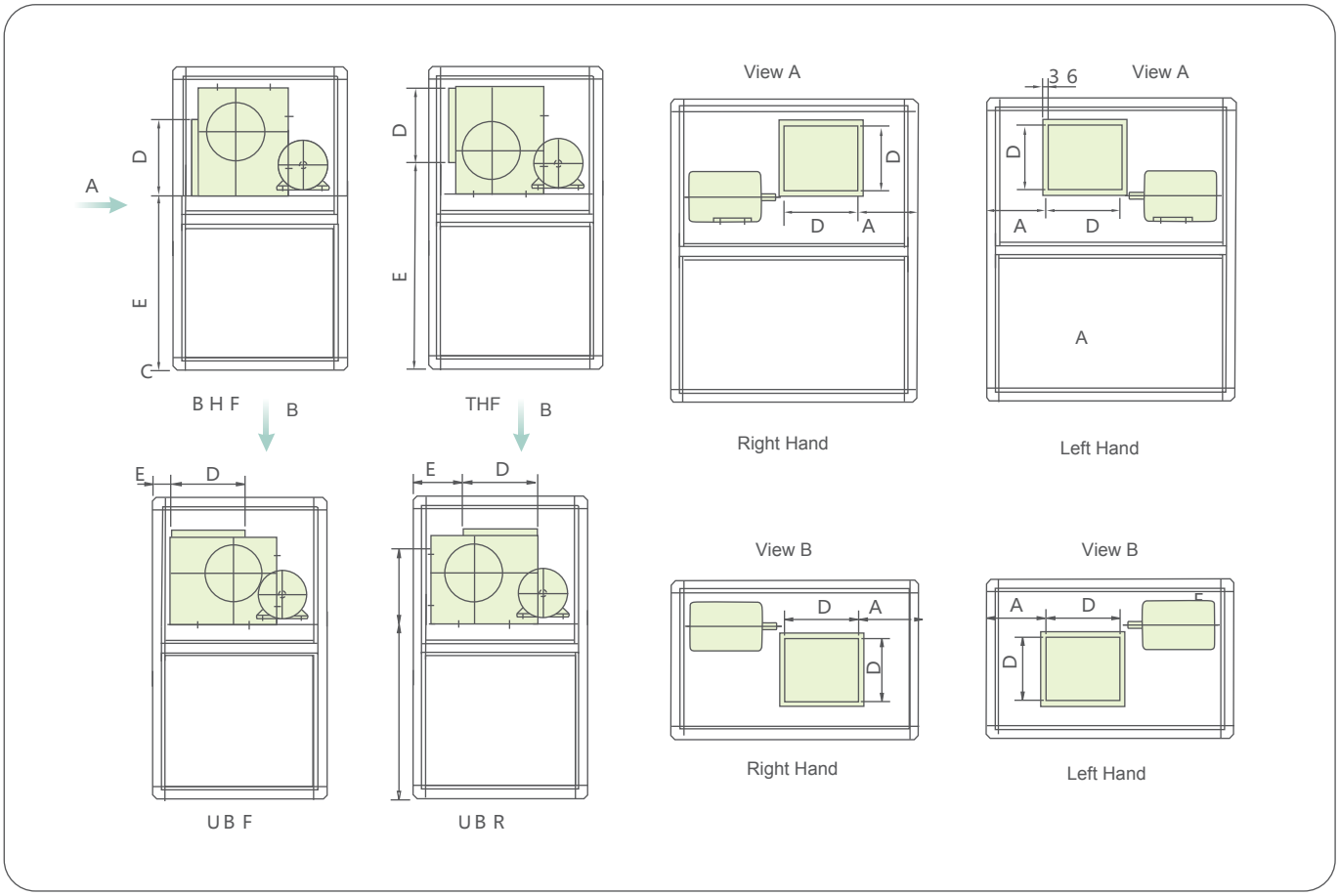


(mm)

Unit Size	Fan Model	A	D	E			
				THF	BHF	UBF	UBR
39XT0608	FC160	231.0	205.0	292.5	170.0	175	199.0
	FC180	186.5	229.0	292.5	170.0	175	224.0
39XT0609	FC180	298.0	229.0	292.5	170.0	175	224.0
	FC200	267.5	256.0	300.5	170.0	175	233.0
39XT0711	FC200	367.5	256.0	300.5	170.0	175	233.0
	FC225	318.5	288.0	314.5	170.0	175	270.0
39XT0811	FC225	318.5	288.0	314.5	170.0	175	270.0
	FC/BC250	318.5	322.0	326.0	170.0	175	259.0
39XT0912	FC/BC250	368.5	322.0	326.0	170.0	175	259.0
	FC/BC280	342.5	361.0	343.0	170.0	175	308.0
39XT0913	FC/BC280	392.5	361.0	343.0	170.0	175	308.0
	FC/BC315	349.5	404.0	362.0	170.0	175	295.0
39XT0914	FC/BC315	399.5	404.0	362.0	170.0	175	295.0
	FC/BC355	402.5	453.0	387.0	195.0	175	317.0
39XT1015	FC/BC355	452.5	453.0	387.0	195.0	175	317.0
	FC/BC400	401.5	507.0	415.0	195.0	175	347.0
39XT1117	FC/BC400	501.5	507.0	415.0	195.0	175	347.0
	FC/BC450	441.5	569.0	444.0	195.0	175	375.0
39XT1317	FC/BC400	501.5	507.0	415.0	195.0	175	347.0
	FC/BC450	396.5	569.0	444.0	195.0	175	375.0
39XT1418	FC/BC450	446.5	569.0	444.0	195.0	175	375.0
	FC/BC500	427.5	638.0	465.0	195.0	175	397.0
39XT1420	FC/BC500	527.5	638.0	465.0	195.0	175	397.0
	FC/BC560	518.5	715.0	556.0	255.0	175	428.0
39XT1621	FC/BC560	518.5	715.0	556.0	255.0	175	428.0
	FC/BC630	432.5	801.0	598.0	255.0	175	471.0
39XT1822	FC/BC560	618.5	715.0	556.0	255.0	175	428.0
	FC/BC630	532.5	801.0	598.0	255.0	175	471.0
39XT1825	FC/BC630	727.5	801.0	598.0	255.0	175	471.0
	FC/BC710	630.5	898.0	646.0	255.0	175	518.0
39XT2025	FC/BC630	727.5	801.0	598.0	255.0	175	471.0
	FC/BC710	630.5	898.0	646.0	255.0	175	518.0
39XT2125	FC/BC710	580.5	898.0	646.0	255.0	175	518.0
	FC/BC800	520.5	1007.0	715.0	268.0	175	574.0
39XT2226	FC/BC710	680.5	898.0	646.0	255.0	175	518.0
	FC/BC800	620.5	1007.0	715.0	268.0	175	574.0
39XT2328	FC/BC800	670.5	1007.0	715.0	268.0	175	574.0
	FC/BC900	642.5	1130.0	772.0	268.0	175	631.0
39XT2330	FC/BC800	795.0	1007.0	668.0	241.0	150	547.0
	FC/BC900	767.0	1130.0	745.0	241.0	150	604.0
39XT2333	FC/BC800	970.5	1007.0	715.0	268.0	175	574.0
	FC/BC900	942.5	1130.0	772.0	268.0	175	631.0

Note: The datas in table are just for your reference.

Fan Arrangement-Vertical Unit (0608~1621)

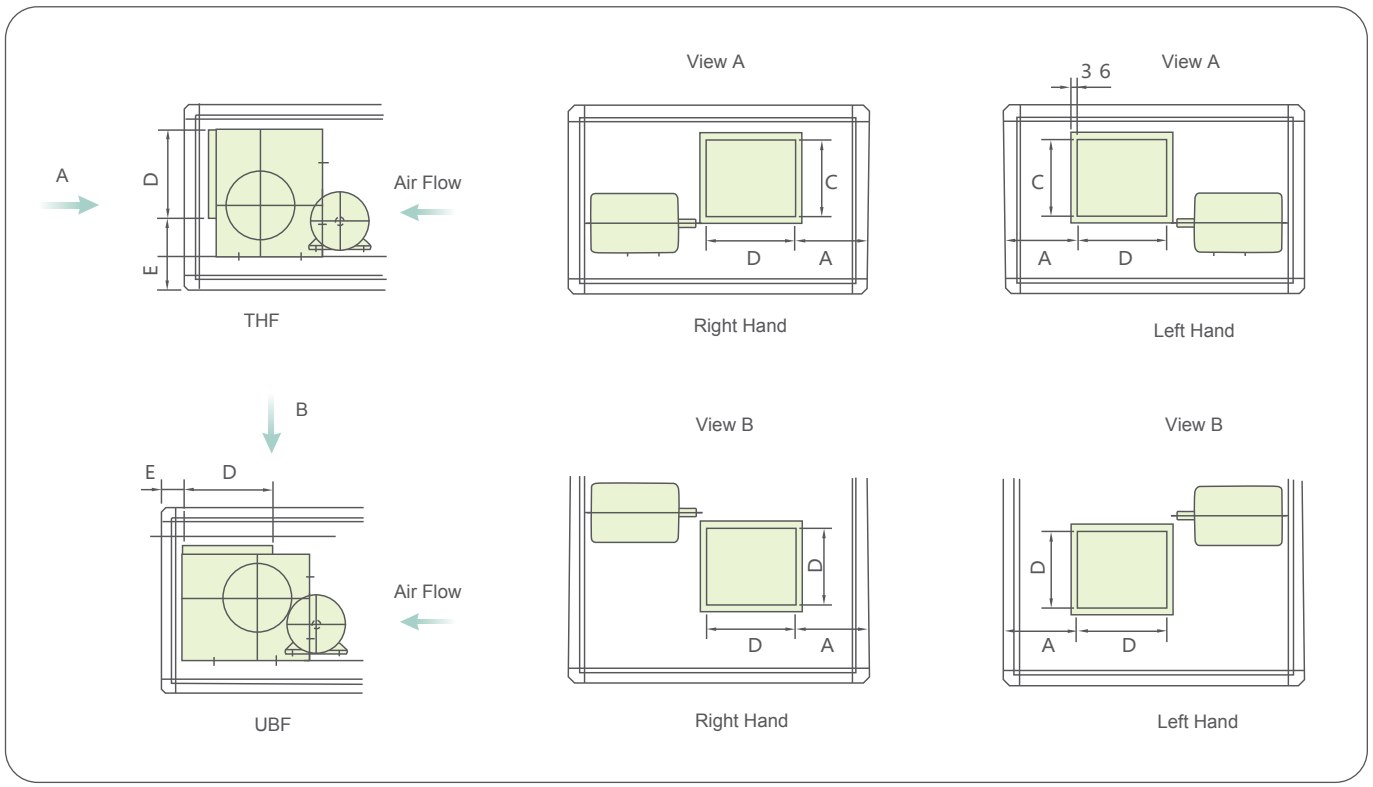


(mm)

Unit Size	Fan Model	A	D	E			
				THF	BHF	UBF	UBR
39XT0608	FC160	231.0	205	996.5	874.0	175	199
	FC180	186.5	229	996.5	874.0	175	224
39XT0609	FC180	298.0	229	996.5	874.0	175	224
	FC200	267.5	256	1004.5	874.0	175	233
39XT0711	FC200	367.5	256	1104.5	974.0	175	233
	FC225	318.5	288	1118.5	974.0	175	270
39XT0811	FC225	318.5	288	1218.5	1074.0	175	270
	FC/BC250	318.5	322	1230.0	1074.0	175	259
39XT0912	FC/BC250	368.5	322	1330.0	1174.0	175	259
	FC/BC280	342.5	361	1347.0	1174.0	175	308
39XT0913	FC/BC280	392.5	361	1347.0	1174.0	175	308
	FC/BC315	349.5	404	1366.0	1174.0	175	295
39XT0914	FC/BC315	399.5	404	1366.0	1174.0	175	295
	FC/BC355	402.5	453	1391.0	1199.0	175	317
39XT1015	FC/BC355	452.5	453	1491.0	1299.0	175	317
	FC/BC400	401.5	507	1519.0	1299.0	175	347
39XT1117	FC/BC400	501.5	507	1619.0	1399.0	175	347
	FC/BC450	441.5	569	1648.0	1399.0	175	375
39XT1317	FC/BC400	501.5	507	1819.0	1599.0	175	347
	FC/BC450	396.5	569	1848.0	1599.0	175	375
39XT1418	FC/BC450	446.5	569	1948.0	1699.0	175	375
	FC/BC500	427.5	638	1969.0	1699.0	175	397
39XT1420	FC/BC500	527.5	638	1969.0	1699.0	175	397
	FC/BC560	518.5	715	2060.0	1759.0	175	428
39XT1621	FC/BC560	518.5	715	2260.0	1959.0	175	428
	FC/BC630	432.5	801	2302.0	1959.0	175	471

Note: The datas in table are just for your reference.

Fan Arrangement-Horizontal Unit (2532~4750)



(mm)

Unit Size	Fan Model	A	D	E	
				THF	UBF
39XT2532	BC900	940	1130	834	284
	BC1000	788.5	1267	876.5	195
39XT2832	BC1000	788.5	1267	876.5	195
	BC1120	561	1422	987	200
39XT3132	BC1000	788.5	1267	876.5	195
	BC1120	561	1422	987	200
39XT3438	BC1250	1043	1524	1156	104
39XT3841	BC1250	1343	1524	1156	104
	BC1400	1208	1794	1208	150
39XT4444	BC1400	1358	1794	1208	150
39XT4750	BC1600	1545	2020	1347	150

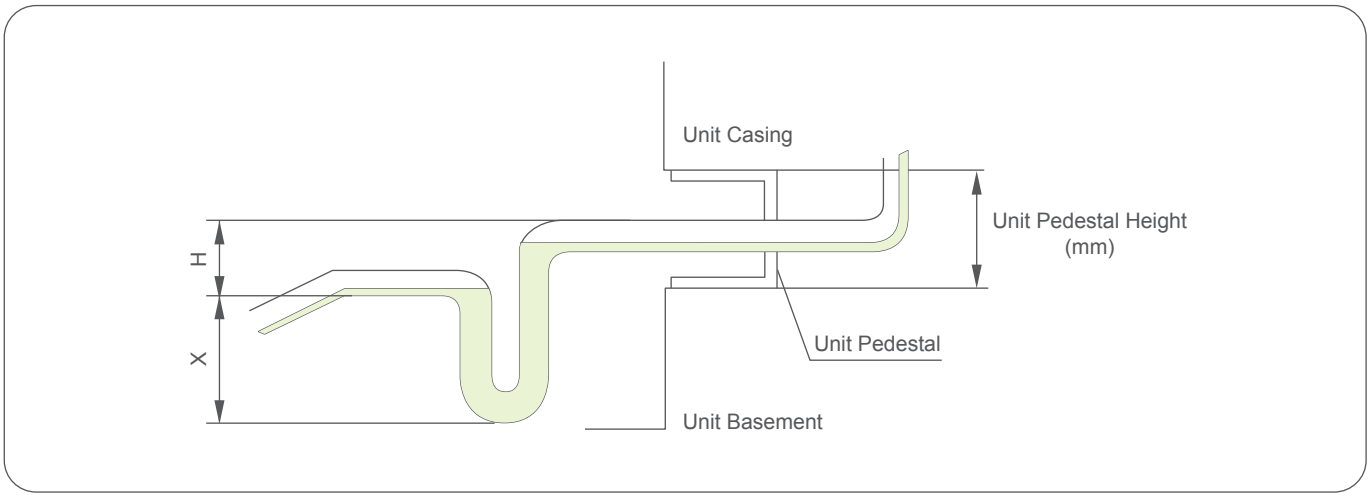
Note: The datas in table are just for your reference.

Fan & Motor (2532~4750)

Unit Size	Fan Model	Max. Motor Power (kW)	Max.Motor Model
39XT2532	BC900	45	Y225
	BC1000	55	Y250
39XT2832	BC1000	55	Y250
	BC1120	90	Y280
39XT3132	BC1000	55	Y250
	BC1120	90	Y280
39XT3438	BC1250	90	Y280
39XT3841	BC1250	90	Y280
	BC1400	132	Y315
39XT4444	BC1400	132	Y315
39XT4750	BC1600	132	Y315

Ordering Information

1. Unit Direction: Along the airflow direction, left unit refers to units with water inlet and outlet of the coils and the access door on the left side, vice versa.
2. If units installed at outdoors or in corrosive environment, shall consult factory before ordering so as to ensure unit meet with application requirements.
3. Requirements of the unit basement: The length and width of the unit basement should be designed according to the unit, and the basement should be horizontally flat and higher than the ground for ease of installation of the condensate trap.



- Calculated Value: H= Negative pressure at the drain hole of the condensate plate Pa/10(mm), X>1/2H
- Empirical Value: when negative pressure < 1,000 Pa, H=100mm, X=70mm

4. Notice when connecting the coil: The designed working pressure of both cooling and heating coil is 1.6mPa.
5. For fresh air units, when the temperature drops below 2℃, preheating devices should be required to prevent frost cracking of the coils inside the units.
6. The supply air temperature of the unit should not be higher than 80℃ (when heating), requests as such shall be brought forward when ordering, so that high temperature bearings and motors could be adopted.
7. The unit outlet and duct should be connected with flexible connection.
8. Residual water should be drained of the coil if the temperature falls below the freezing point when the unit is shut down. Put antifreeze in the coil in case there's still residual water.
9. For electric heating,
   1) Electrical components and cable configuration shall be wires according to the power of electric heater.
   2) Wiring shall be carried out in line with the electric heater wiring diagram.
   3) The temperature relay signal of the electric heater shall be sent to the electric heating controller, to assure automatic power off when the temperature is too high in the unit.
   4) The controller of electric heater shall interlock control fan and electric heater, to keep the electirc heater module powered off when the fan stops.
10. PTC thermistor has been installed in fan motor, should connected with protective relay, to achieve motor overheating protection function. If customer need more information about how to choose protective relay, please contact THC for technical support.

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Version:	CAT_39XT_E_202002_05
Supersede:	CAT_39XT_E_1808_04
Effective Date:	Feb, 2020