

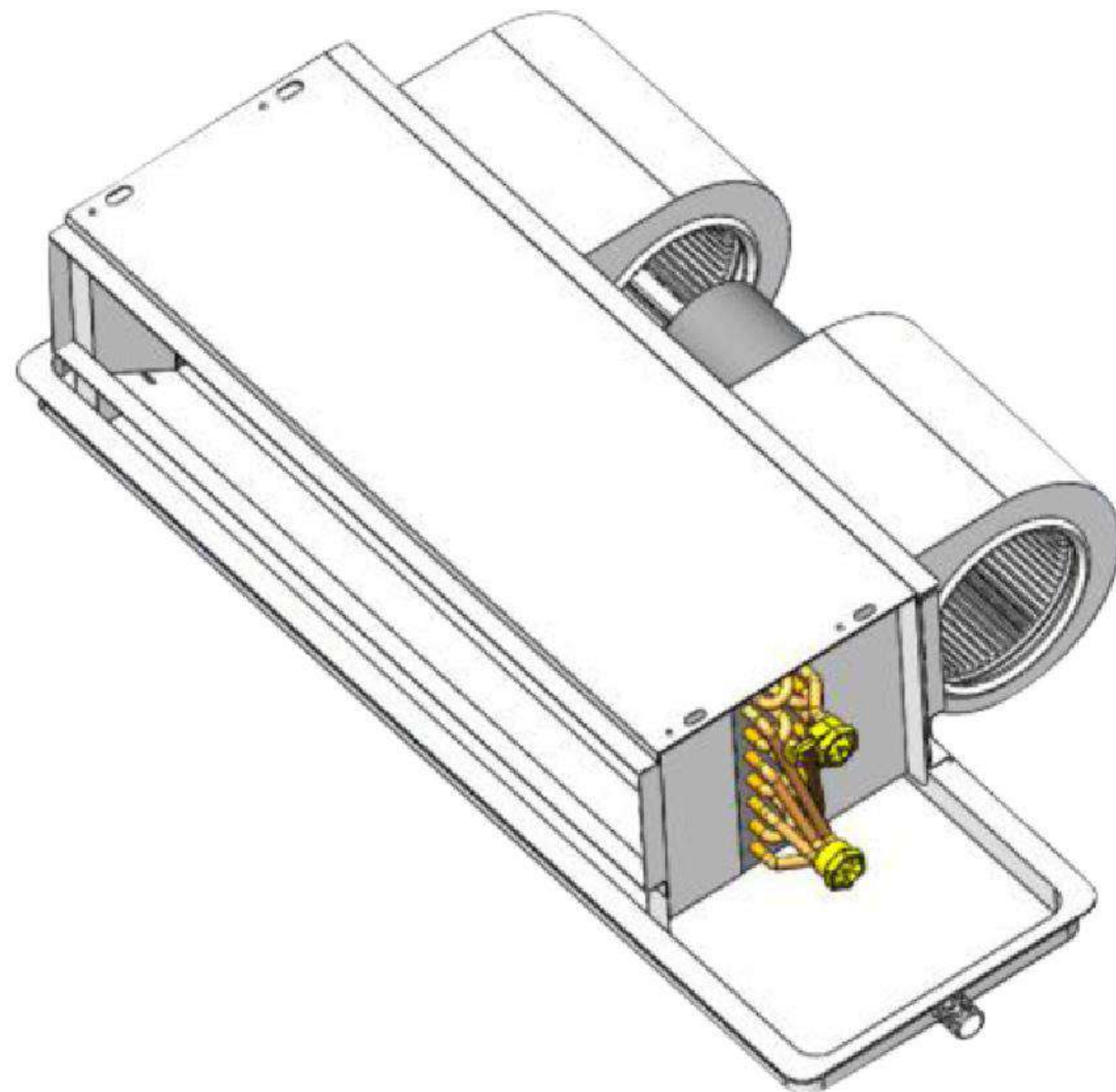
Yuexin(Tianjin)Artificial Environment Engineering Technology
Co.,Ltd.

Fan coil unit introduction

We will provide you detailed product specific about the [fan coil units](#)

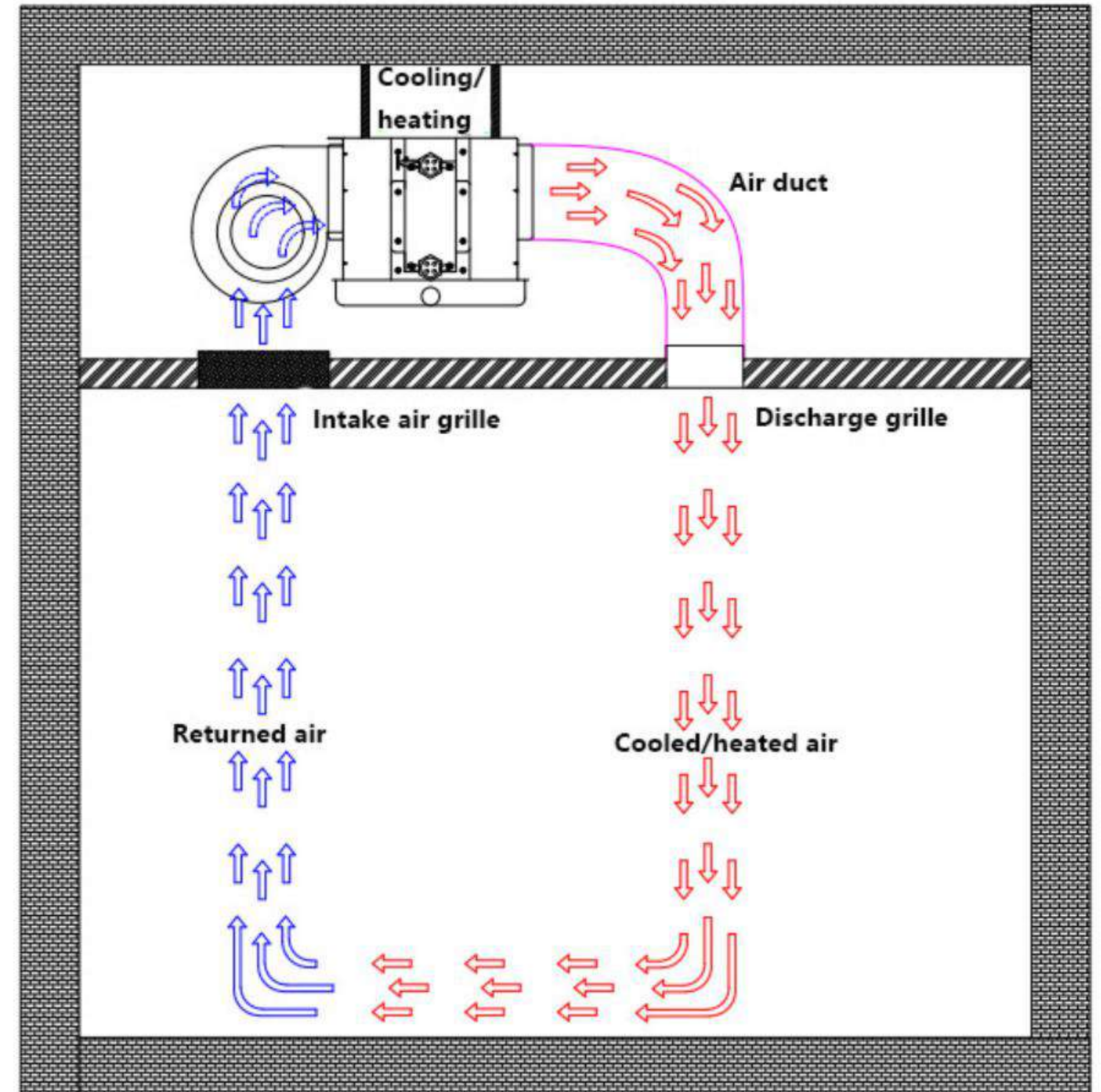
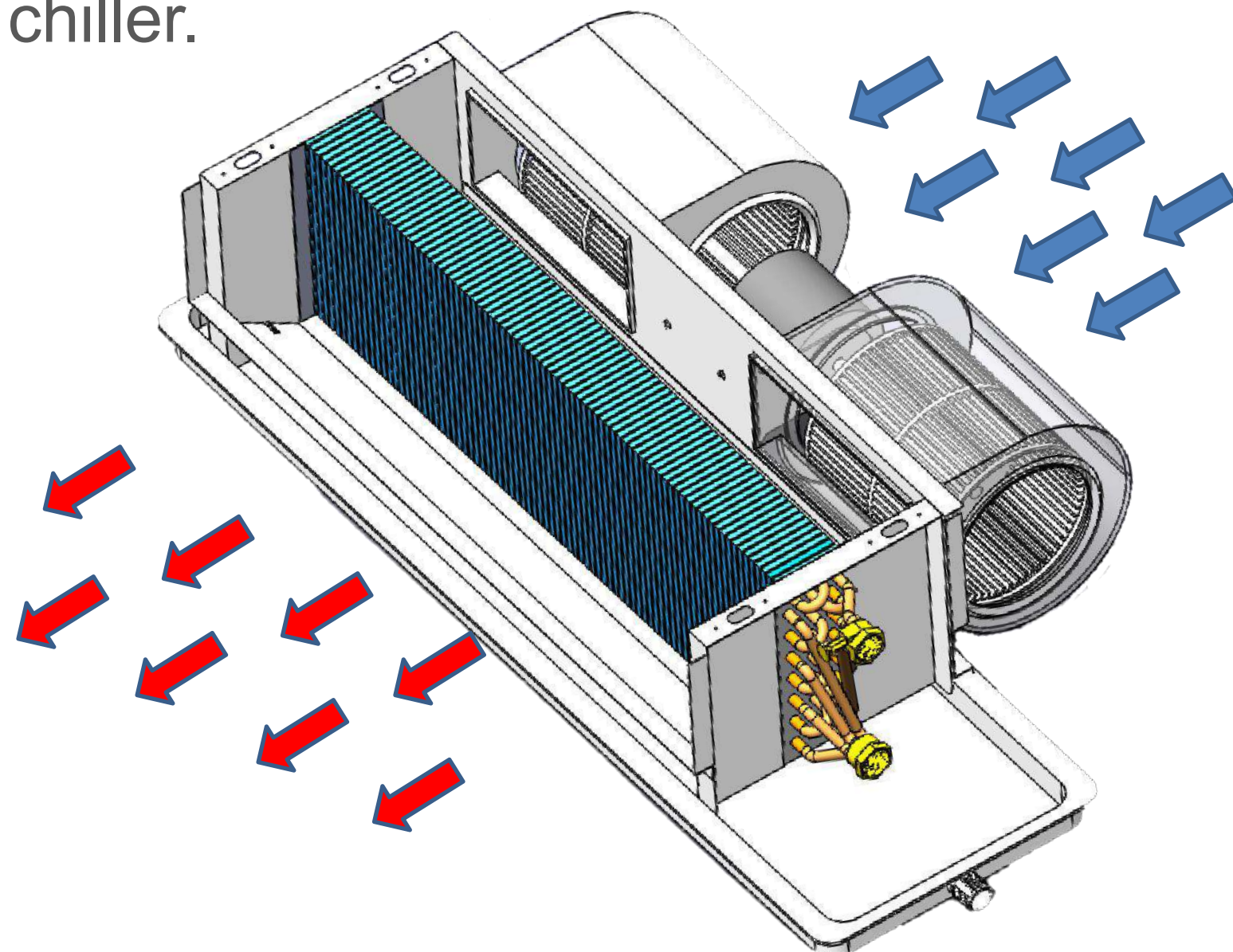
Brief of the Fan Coil Unit

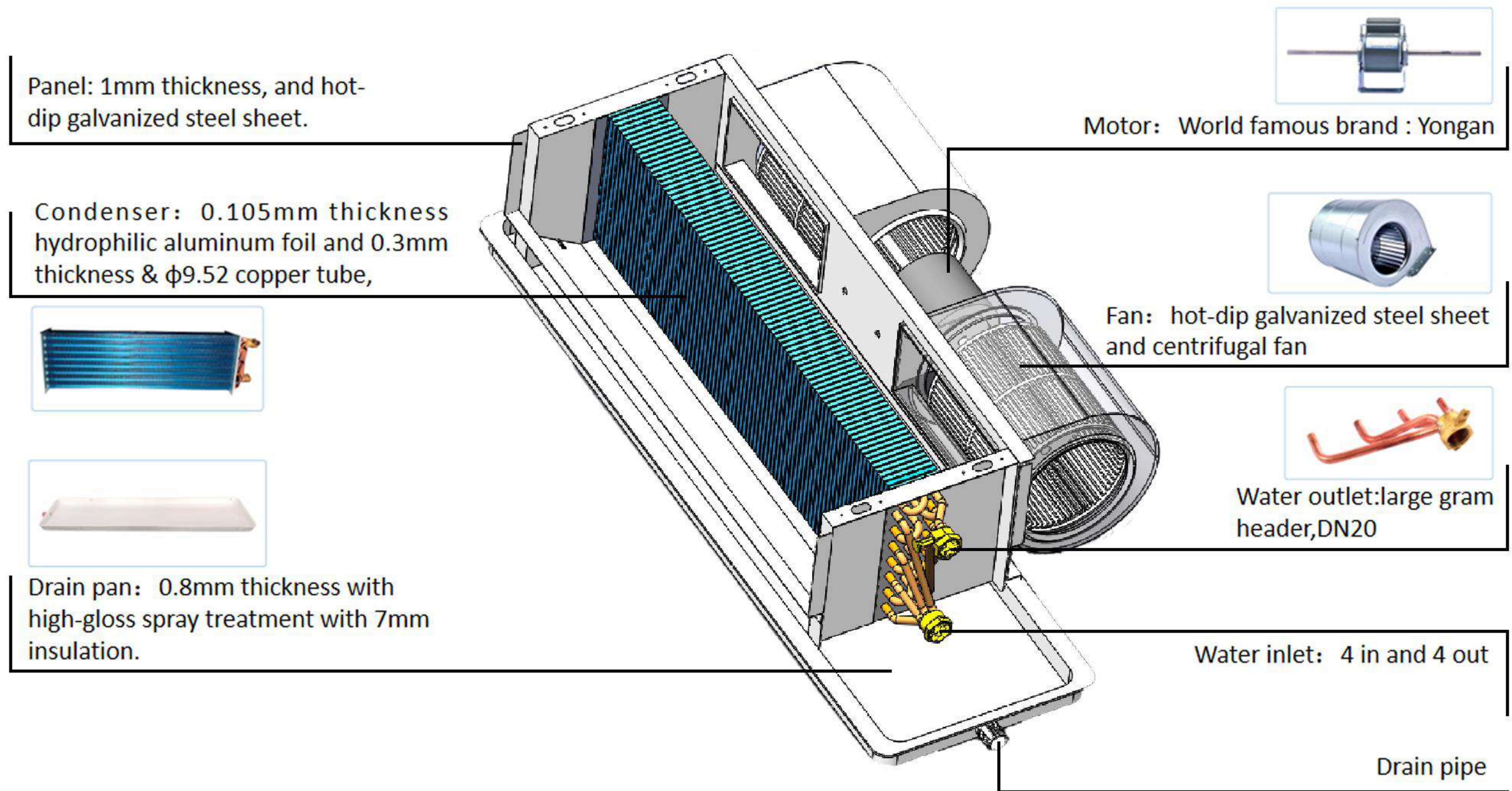
Horizontal concealed fan coil, mainly composed of fan and coil, is the most durable series of all fan coil units. Large air volume, efficient heat exchange efficiency, ultra-thin height, very popular in the market. Horizontal concealed fan coil unit is hidden inside the ceiling and does not occupy other indoor decoration space, installation is also very convenient.



Work principle

The function of fan coil unit is to send indoor air or outdoor mixed air into the room after cooling or heating through the coil, so as to reduce or increase the indoor temperature, so as to meet the comfort requirements of people. The cold (hot) water in the coil is supplied by the heat pump or chiller.

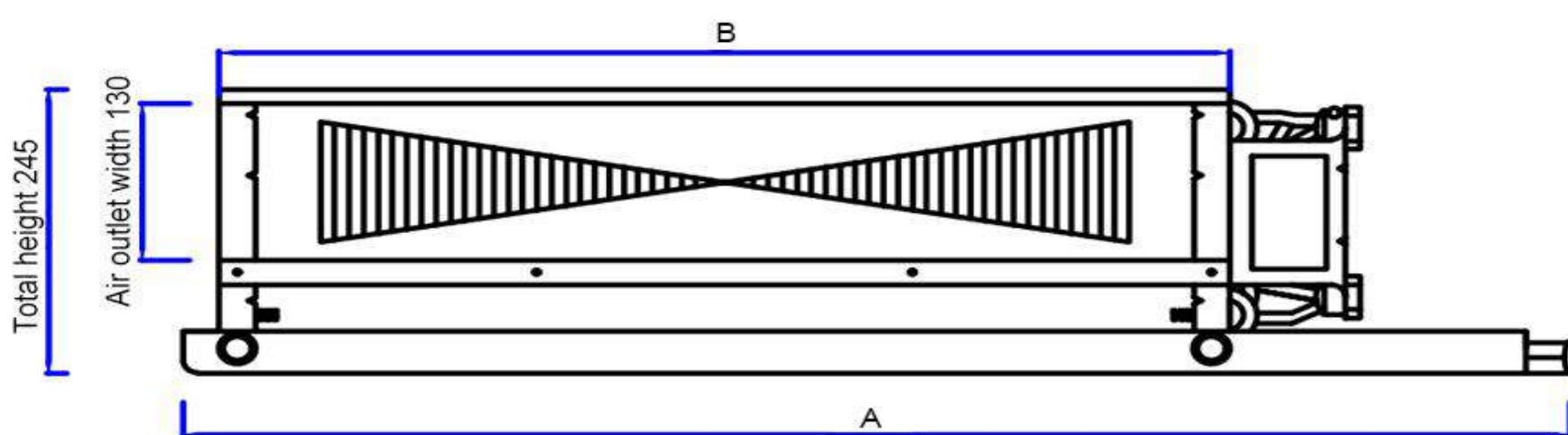
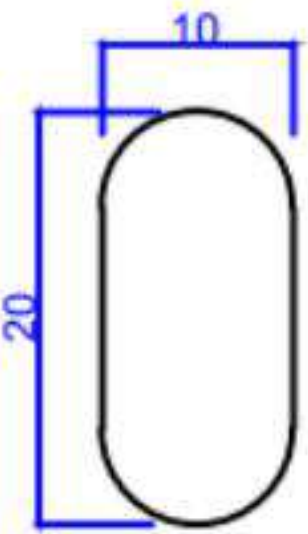
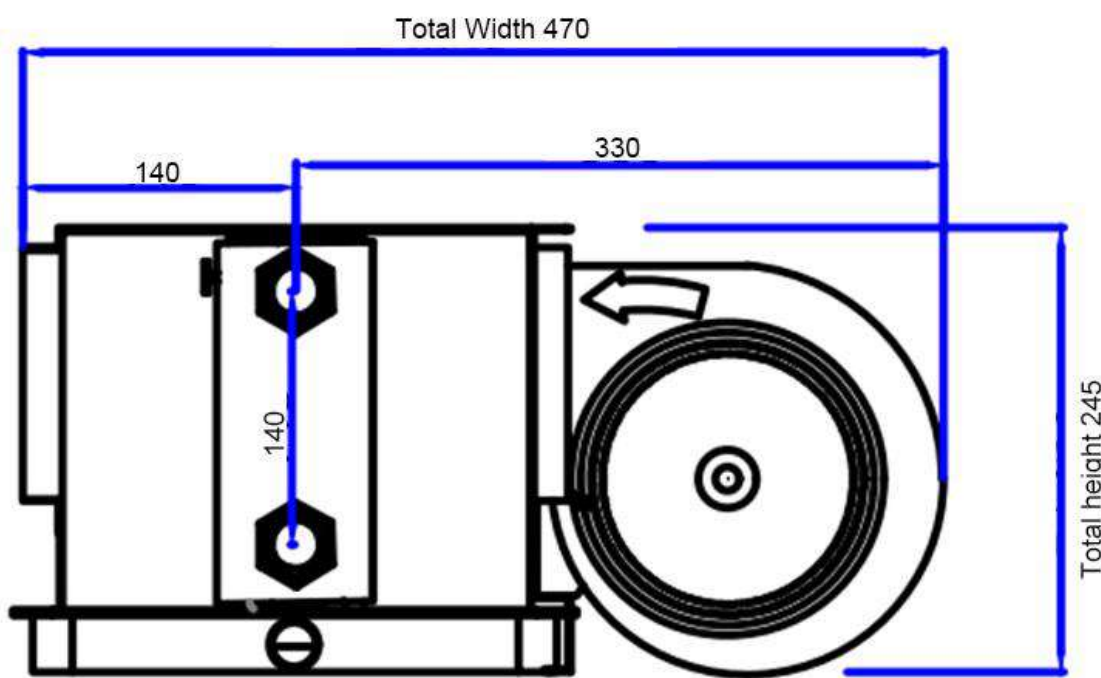
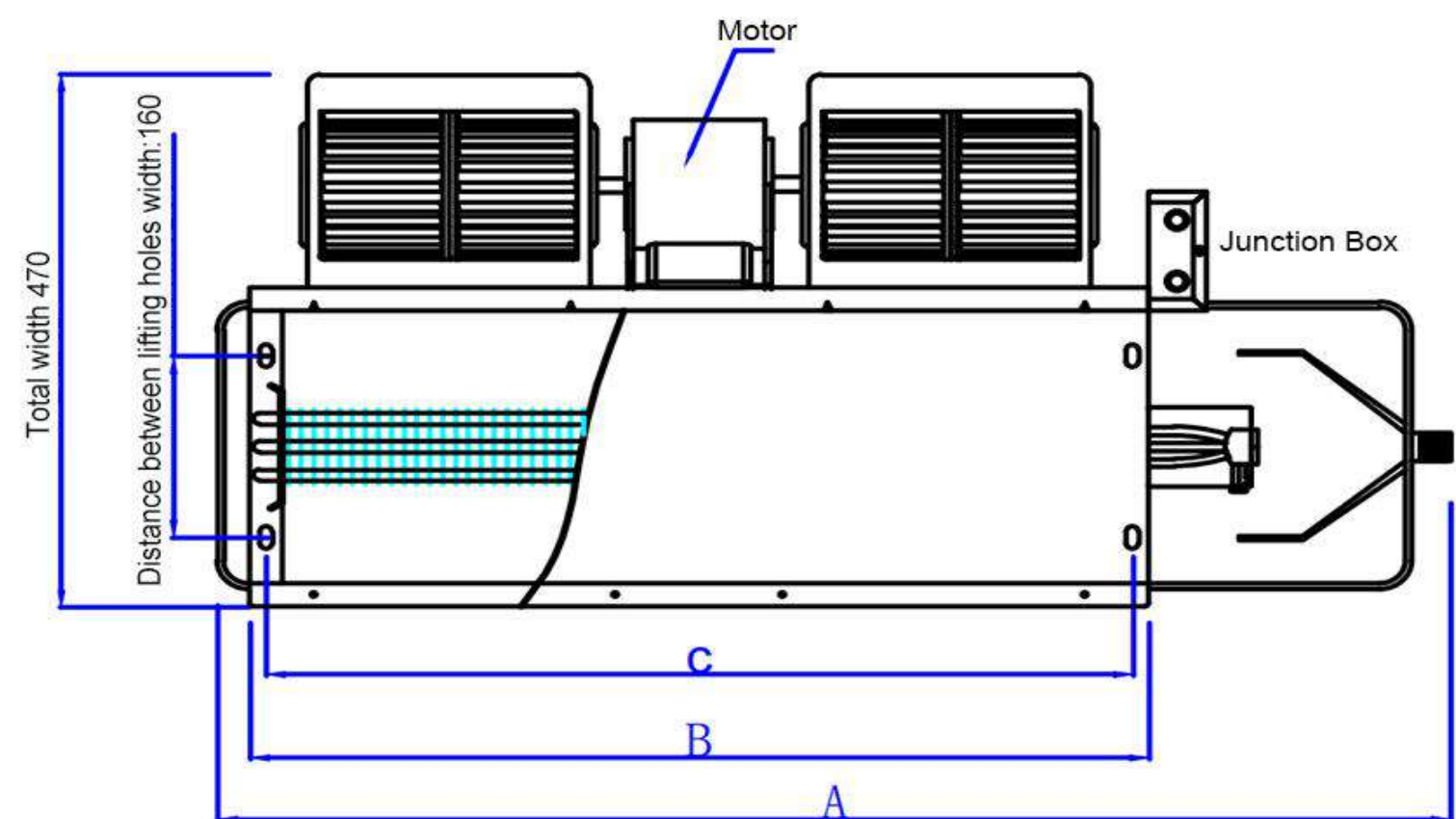
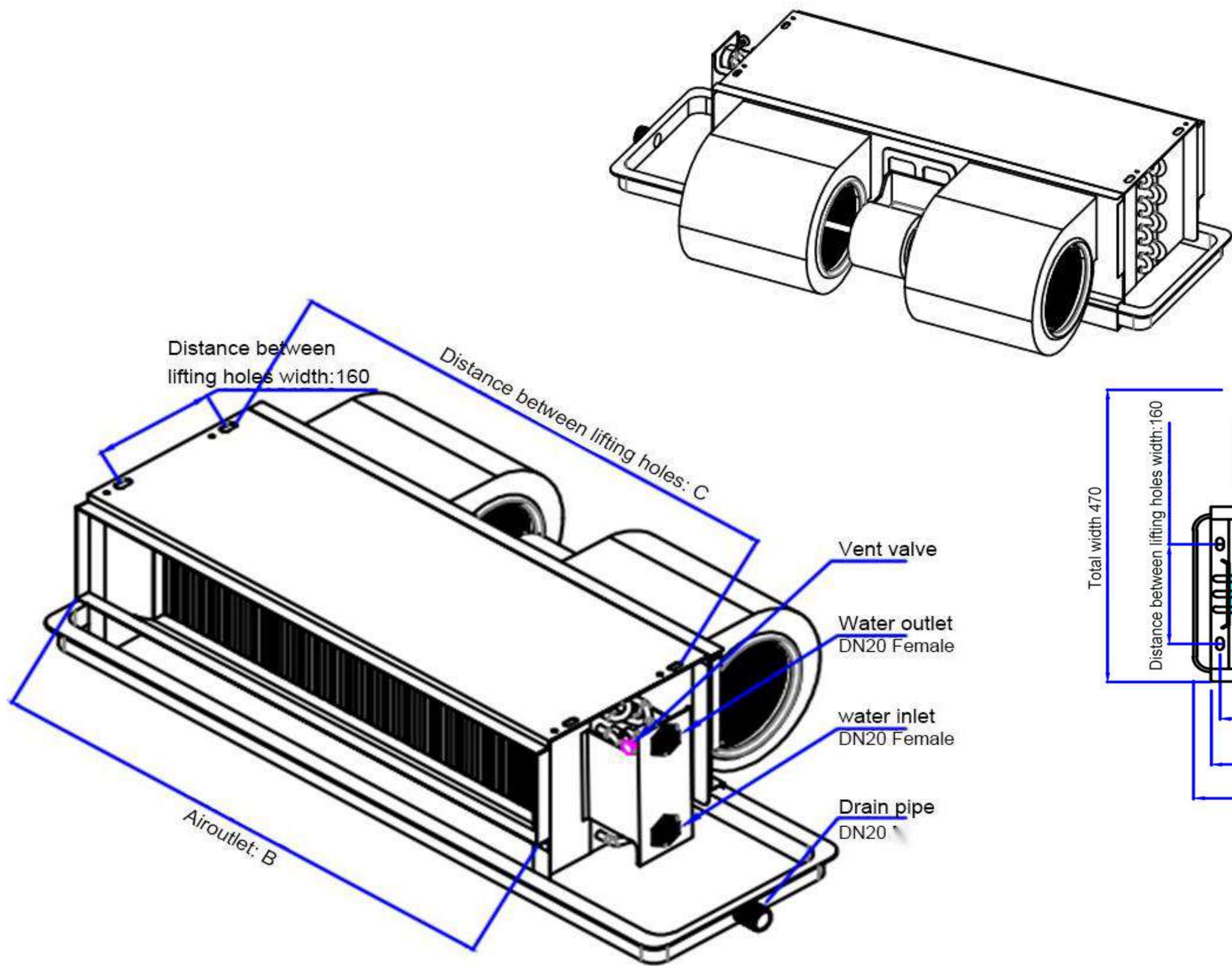




Product Specification Data Show

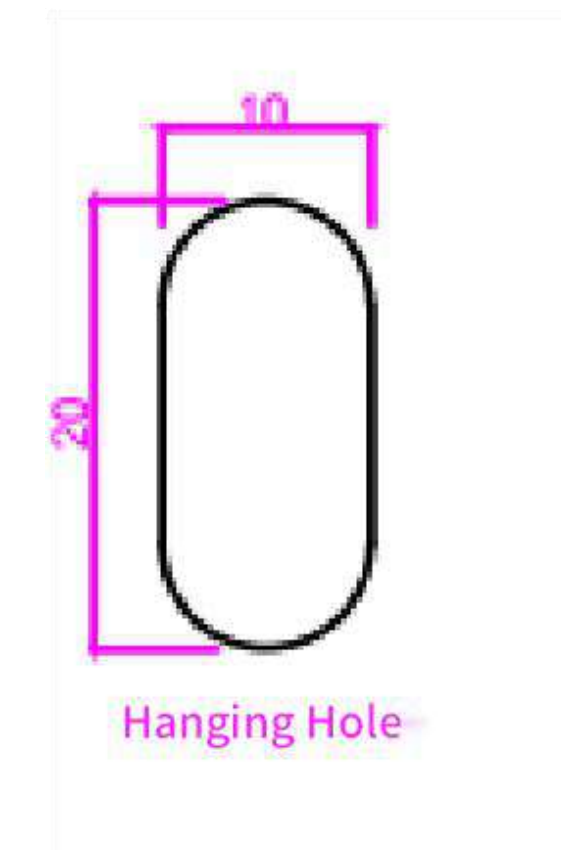
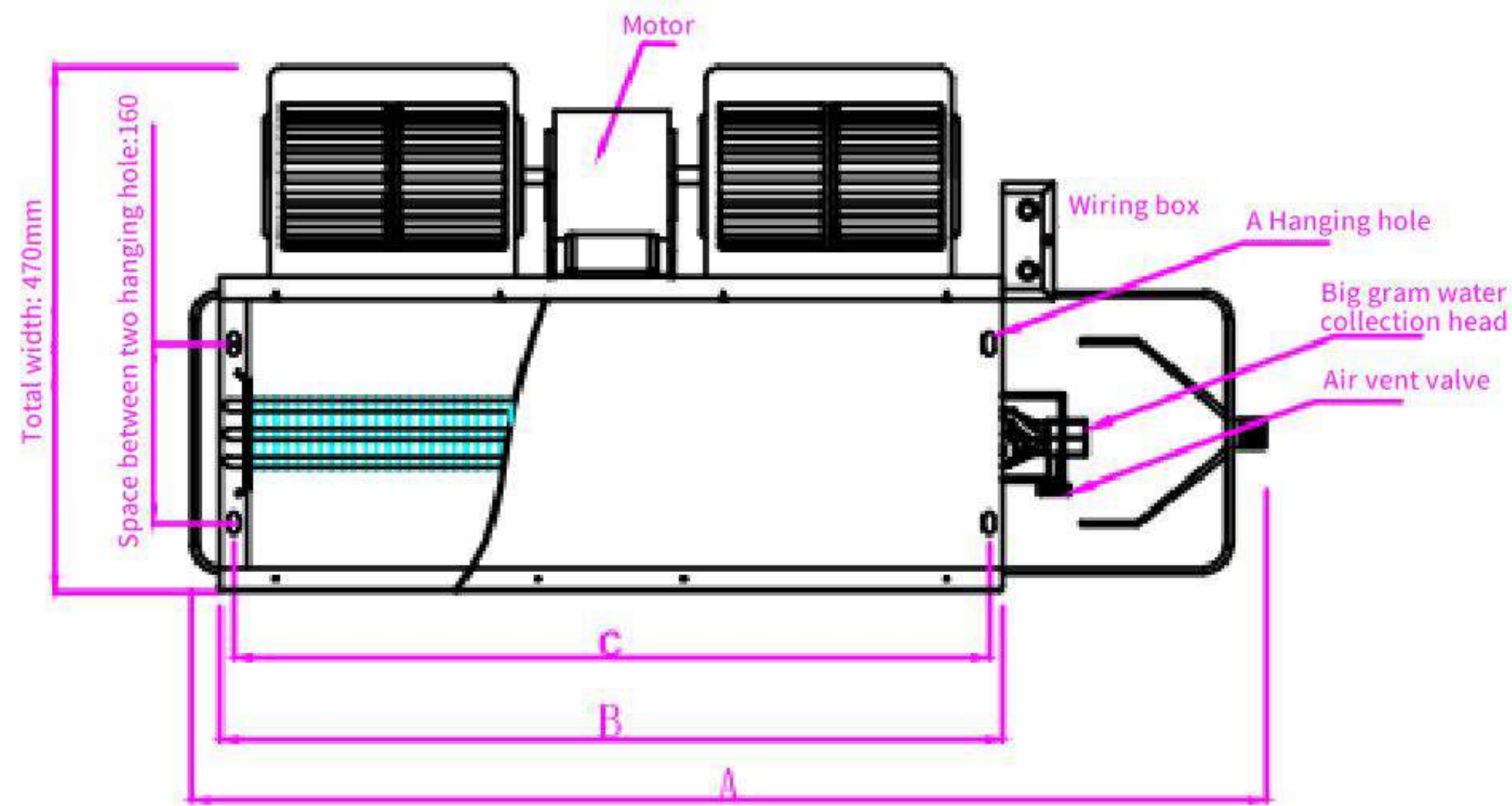
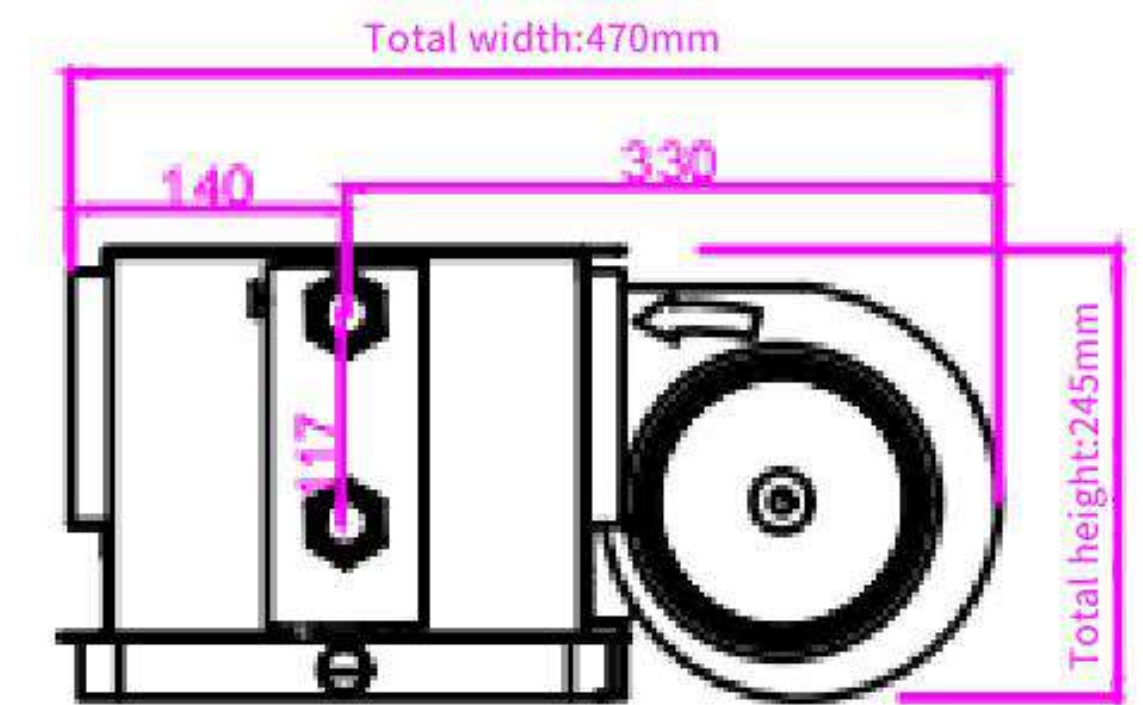
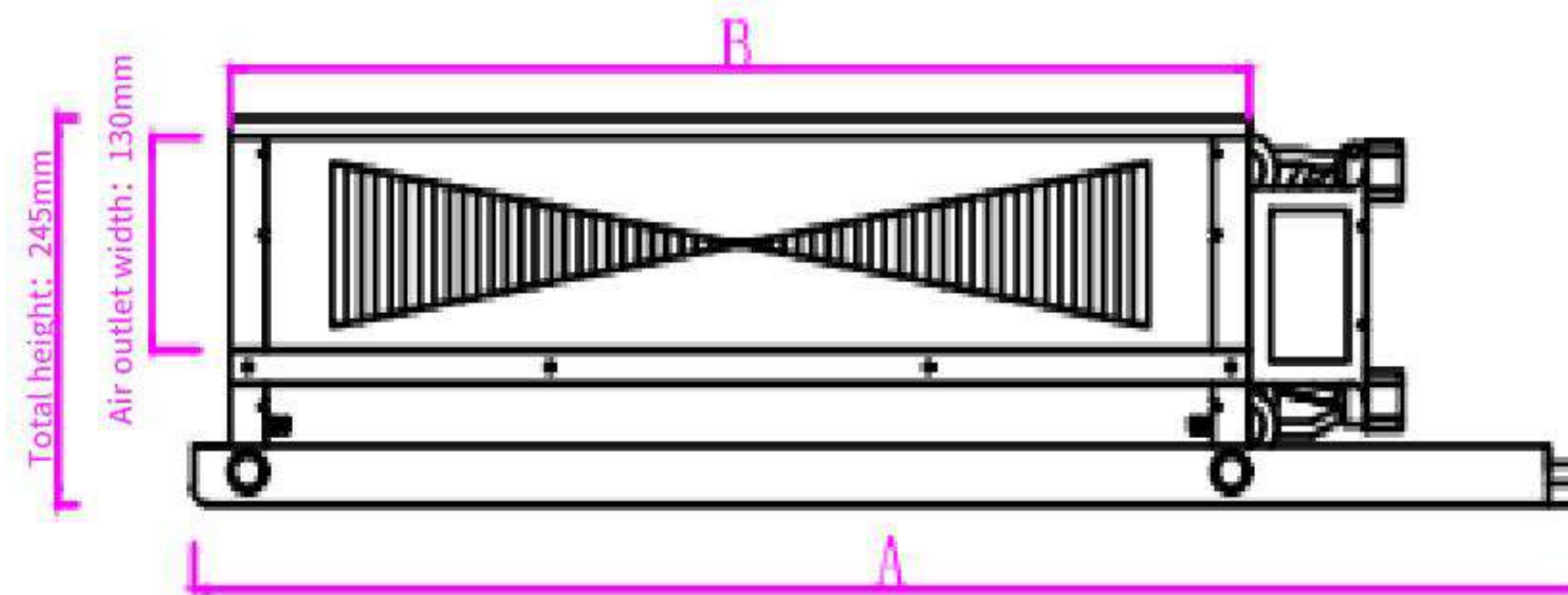
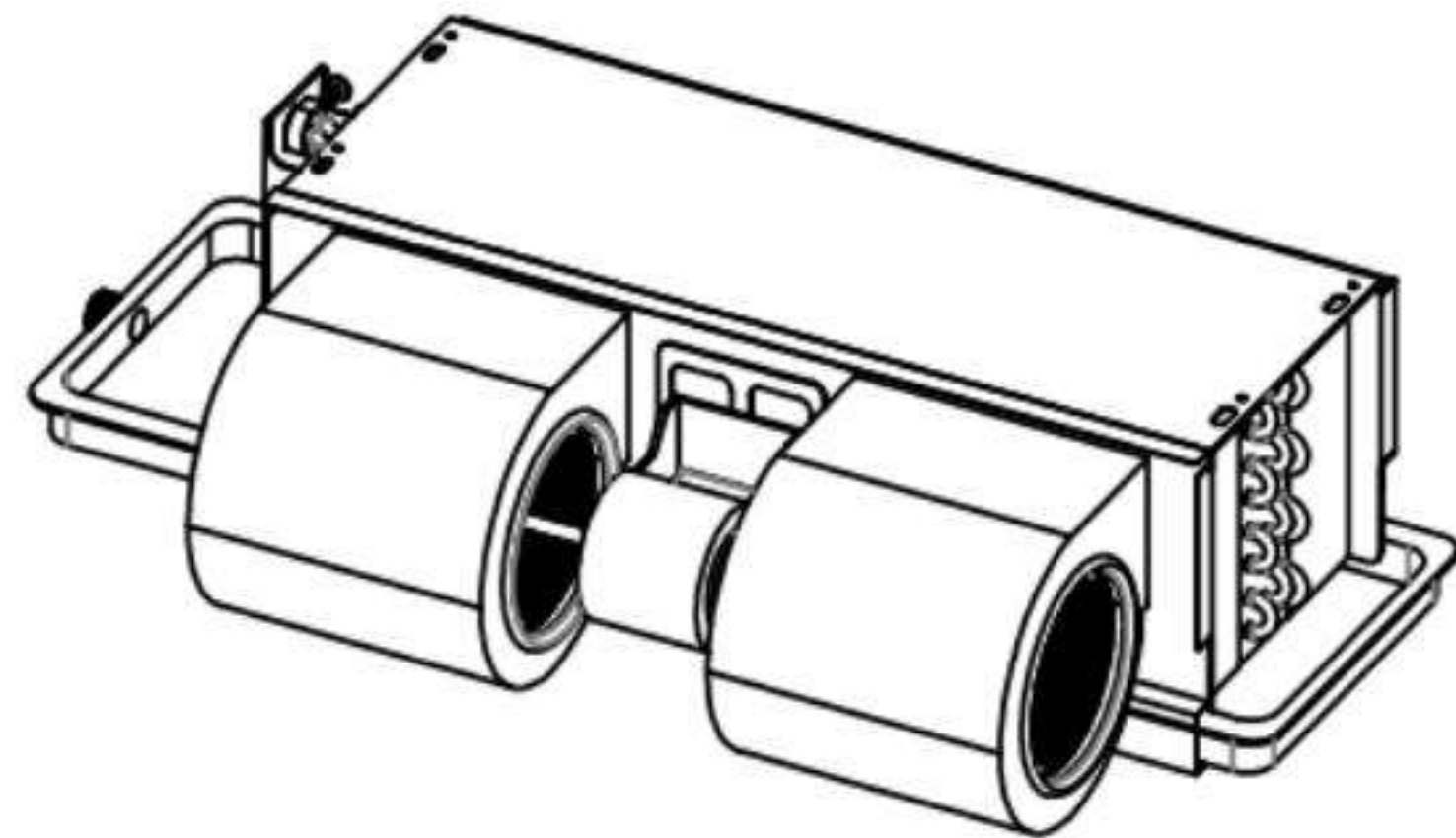
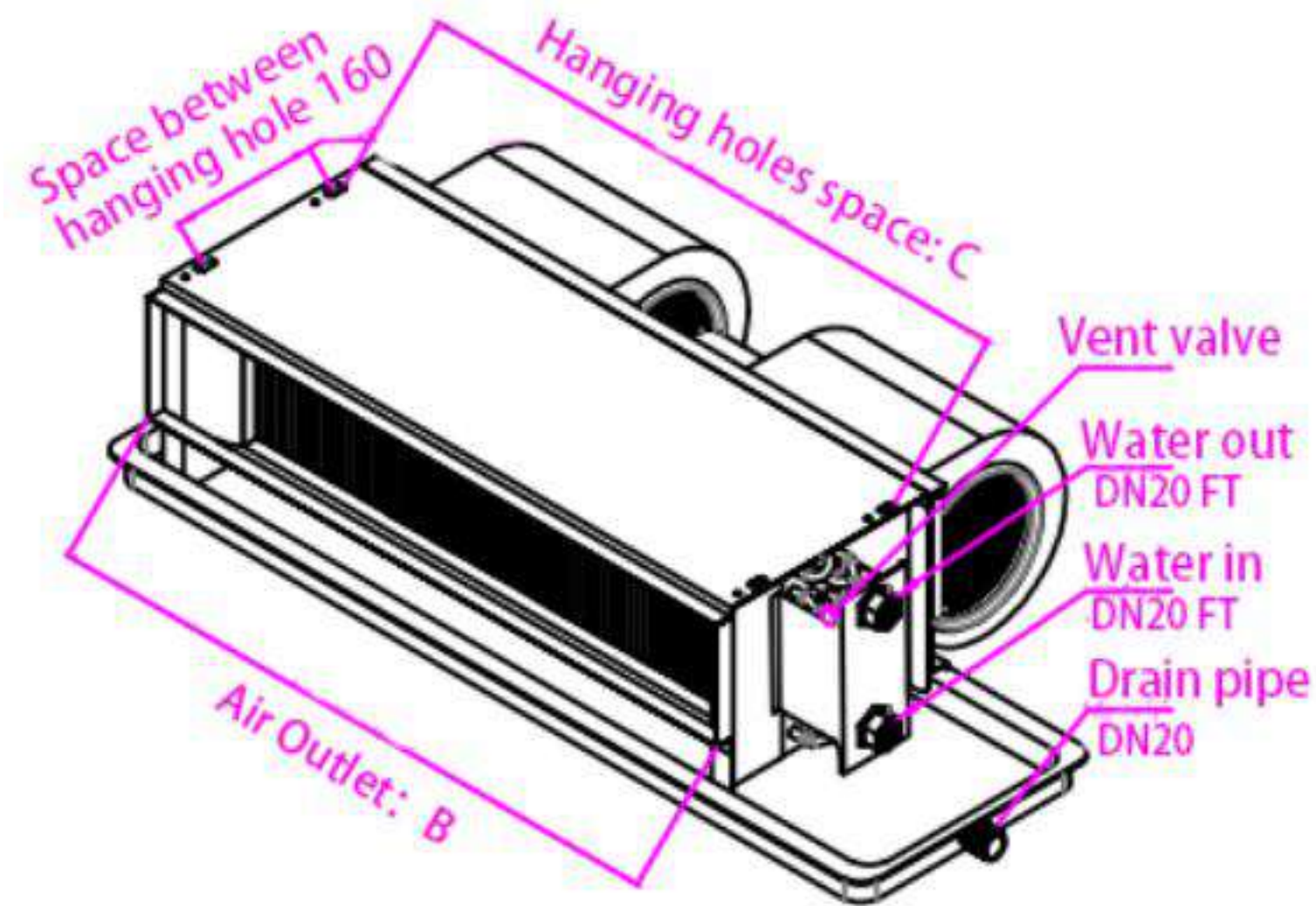
Details parts of the fan coil unit

2-pipe AC motor FCU Size and Drawing



Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A	755	855	955	1055	1155	1355	1655	1855	2055
B	505	635	705	815	955	1155	1405	1605	1805
C	477	607	677	787	927	1127	1377	1577	1777

FCU with EC motor Drawing and Size

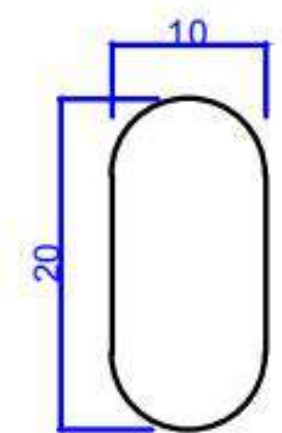
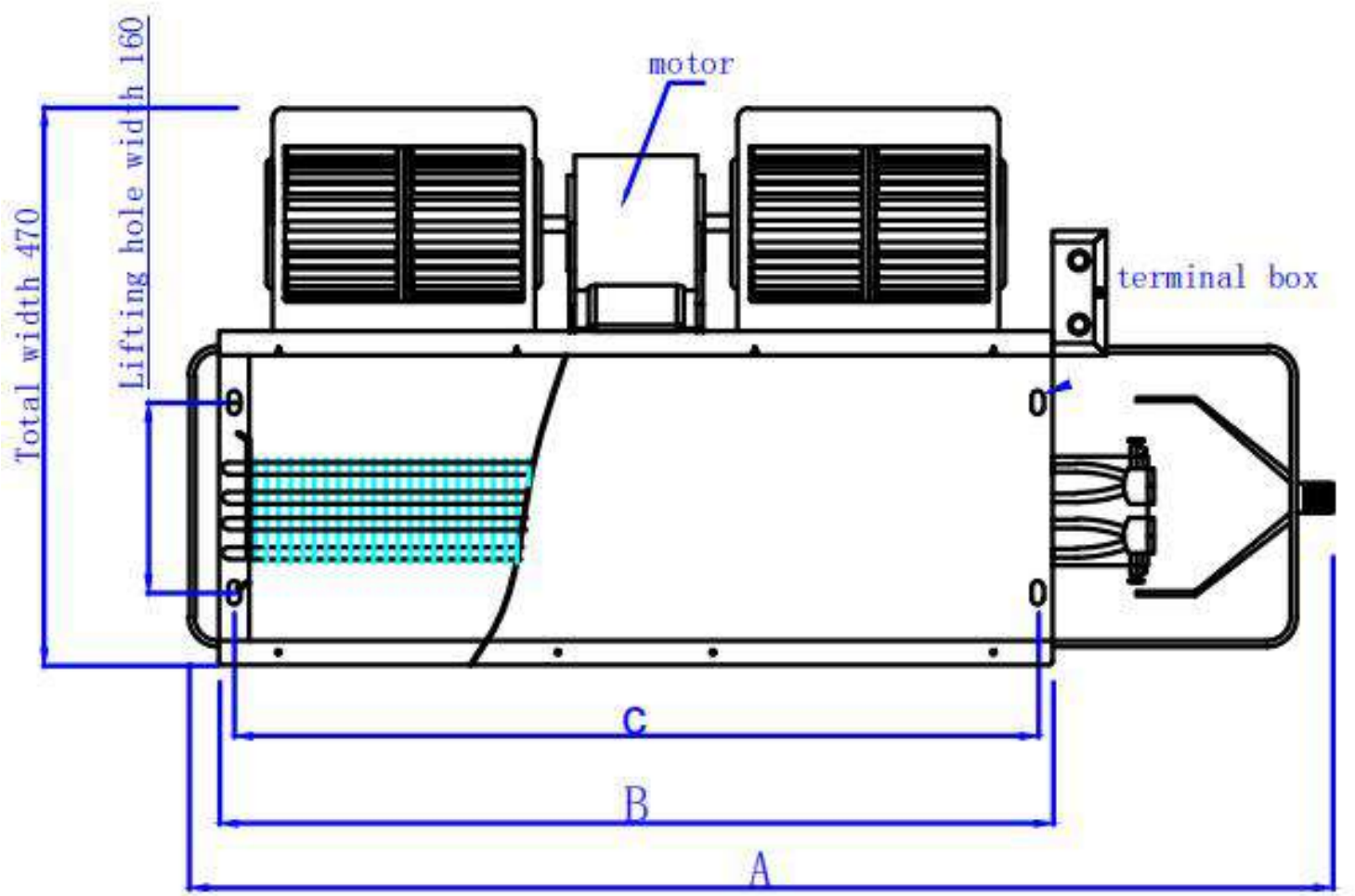
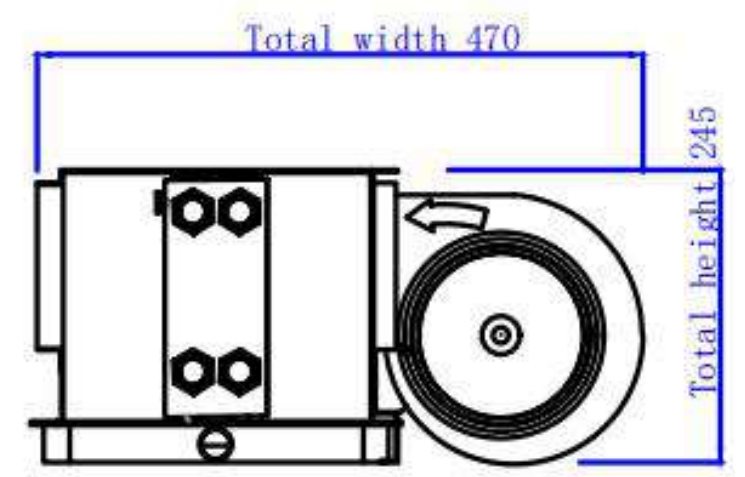
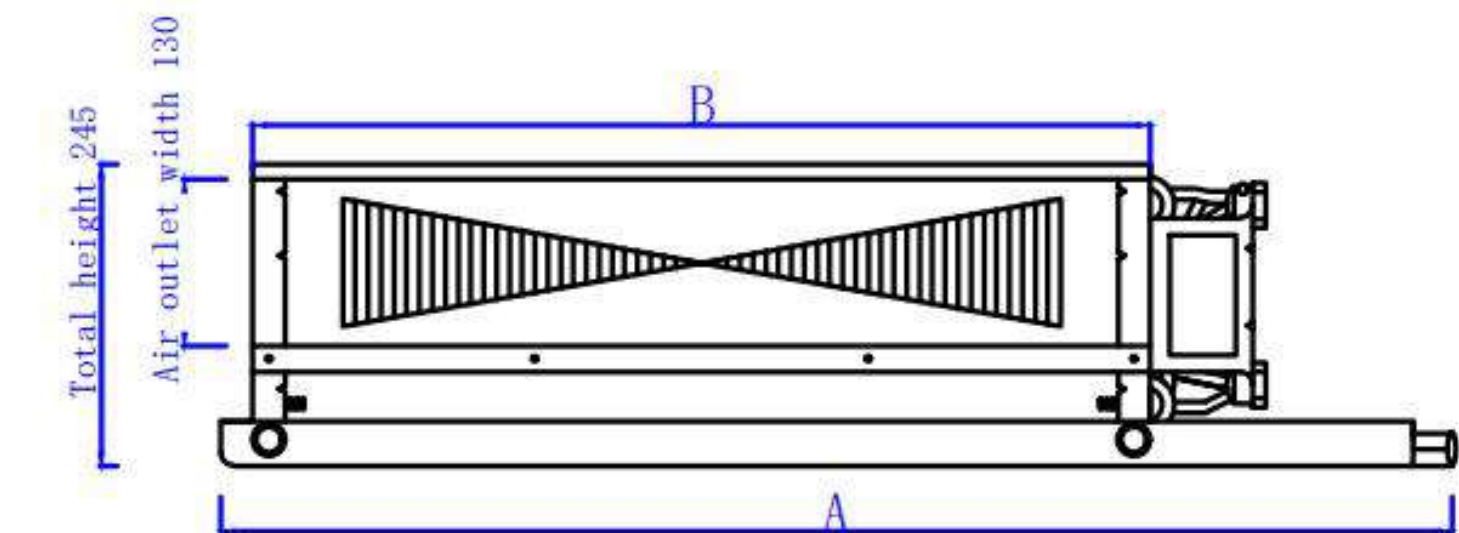
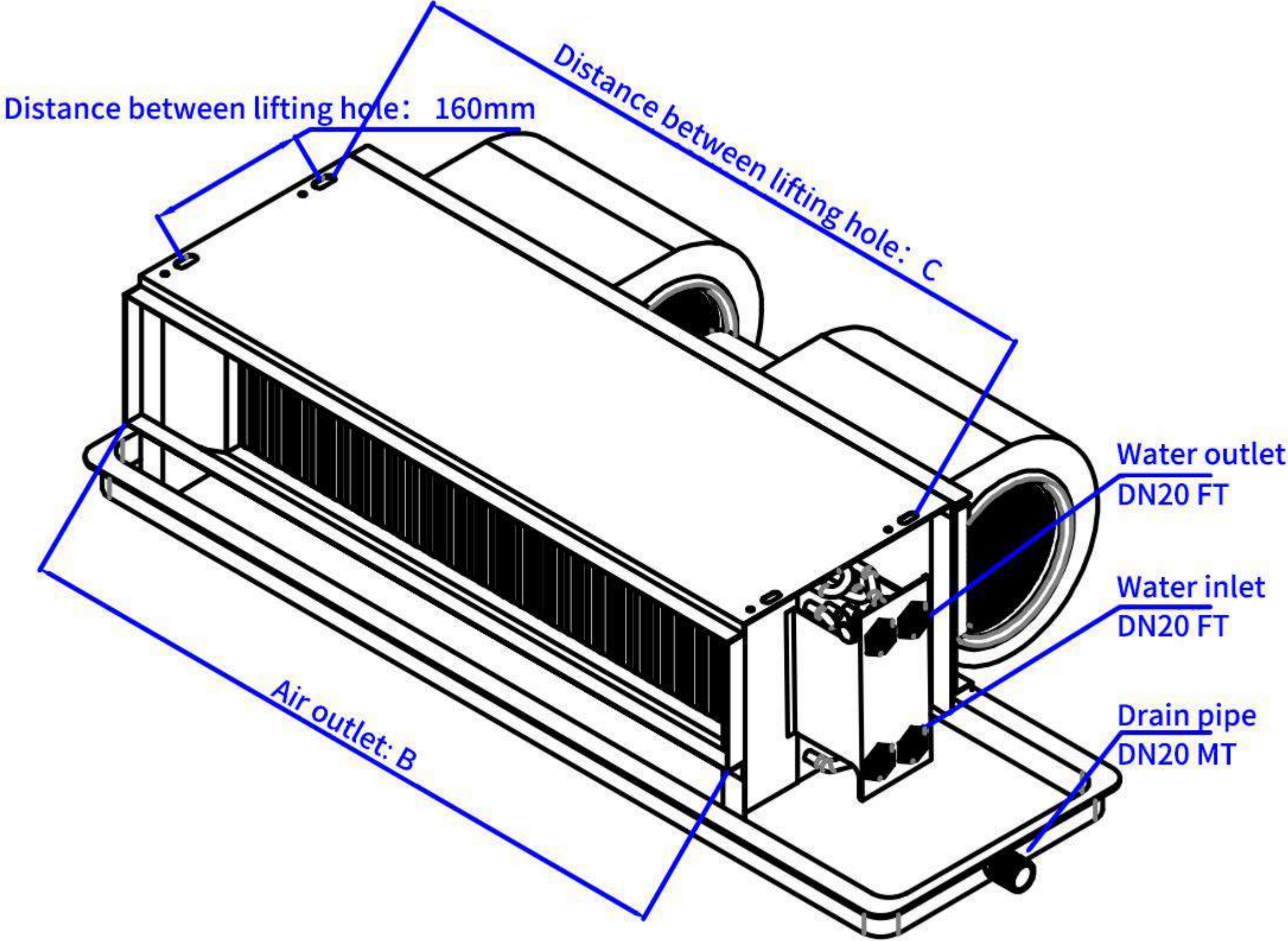


Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A	755	855	955	1055	1155	1355	1655	1855	2055
B	505	635	705	815	955	1155	1405	1605	1805
C	477	607	677	787	927	1127	1377	1577	1777



Model	02EC	03EC	04EC	05EC	06EC	08EC	10EC	12EC	14EC
Cooling Cap. (kw) (Water in 7℃)	1.8	3.26	3.97	4.6	5.75	7.45	9.19	10.8	12.7
Heating Cap. (kw) (Water in 60℃)	3.49	5.27	6.77	8.65	11.17	13	15.97	17.7	21.2
Power Input (W) 12Pa	14	16.7	22.4	32.9	52.1	60	72.8	92.7	125.2
Power Input (W) 30Pa	19.8	24.3	32.5	43.5	67	78.5	92.2	116	156
Power Input (W) 50P	26.3	32.4	42.5	55.7	82.2	98	115.9	155.5	186
Noise dB (A)12P	18-32	18-30	20-34	23-38	29-43	28-42	32-43	33-44 ⁵ ₂	37-47
Noise dB (A)30P	20-38	20-37	22-41	24-43	30-47	31-46	34-47	34-48	38-49
Noise dB (A)50P	23-43	22-42	25-45	26-47	33-50	34-49	36-51	37-51	39-53
Air Flow(m³/h)	360	545	724	900	1090	1440	1750	2140	2490
Motor Power (W)	60								
Motor No.	1					2			
Fan No.	1	2				3	4		
Static pressure	0-50 Pa								
Water flow(m3/h)	0.4	0.59	0.73	0.81	1	1.2	1.57	1.86	2.19
Condenser length (mm)	450	580	650	760	900	1100	1350	1550	1750
Condenser height (mm)	210								
Condenser Width (mm)	38.1								
Weight (Kg)	10.1	12.1	13	14.2	15.5	20.1	23.5	25.5	27.3
Package length (mm)	790	880	980	1080	1180	1380	1680	1880	2080
Package width (mm)	520								
Package height (mm)	250								

4-pipe FCU Size and Drawing



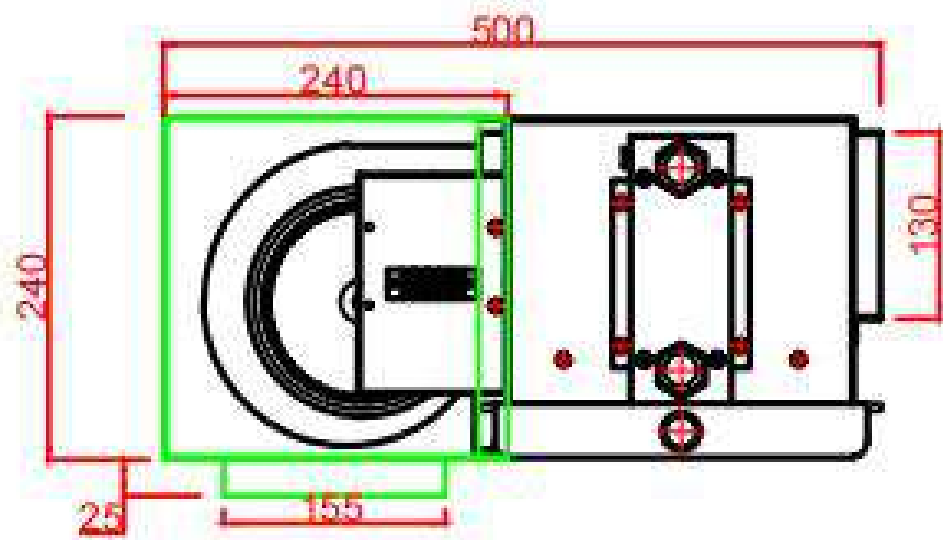
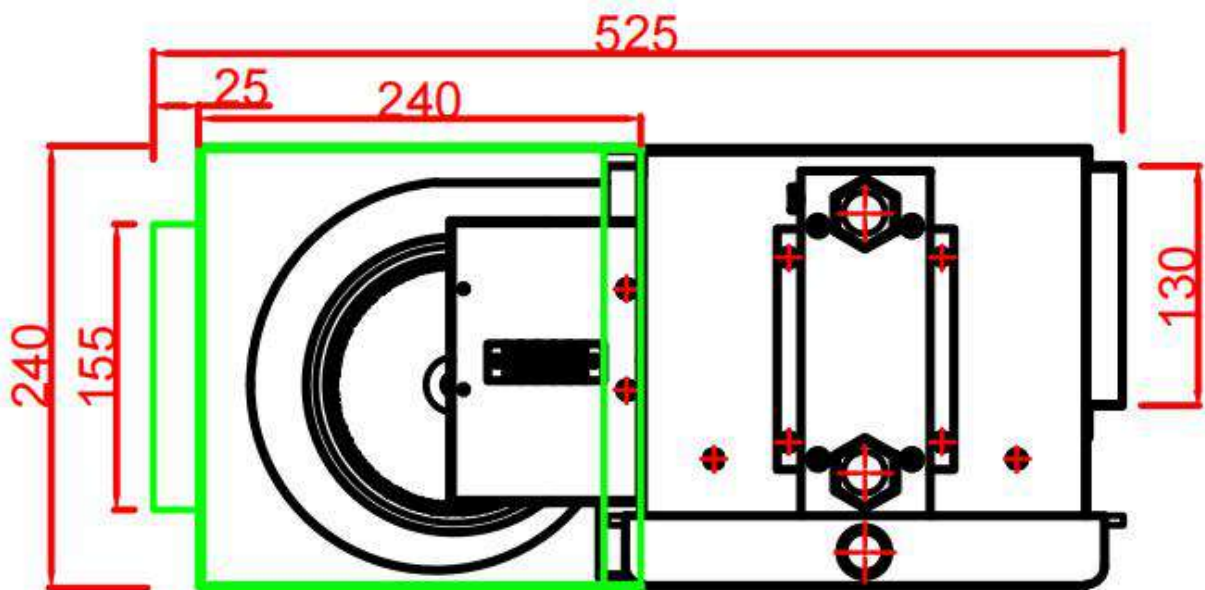
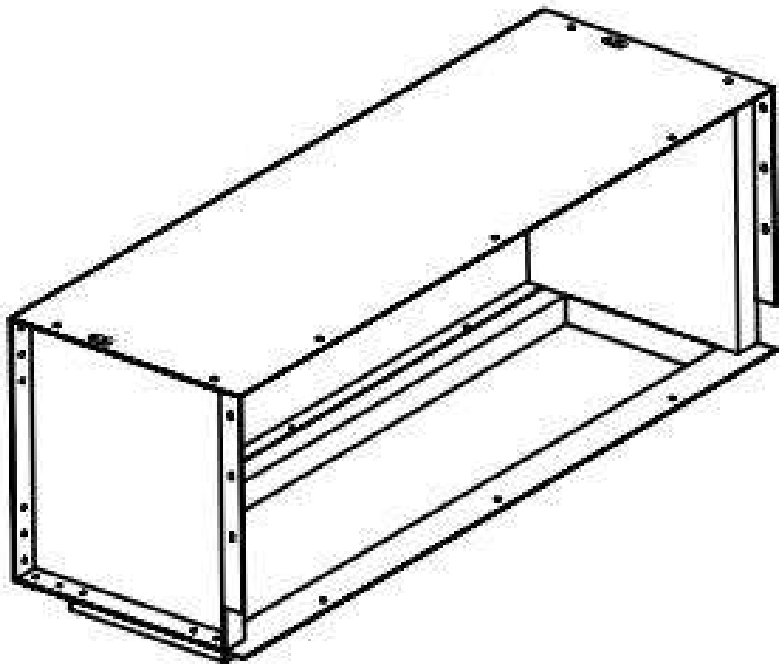
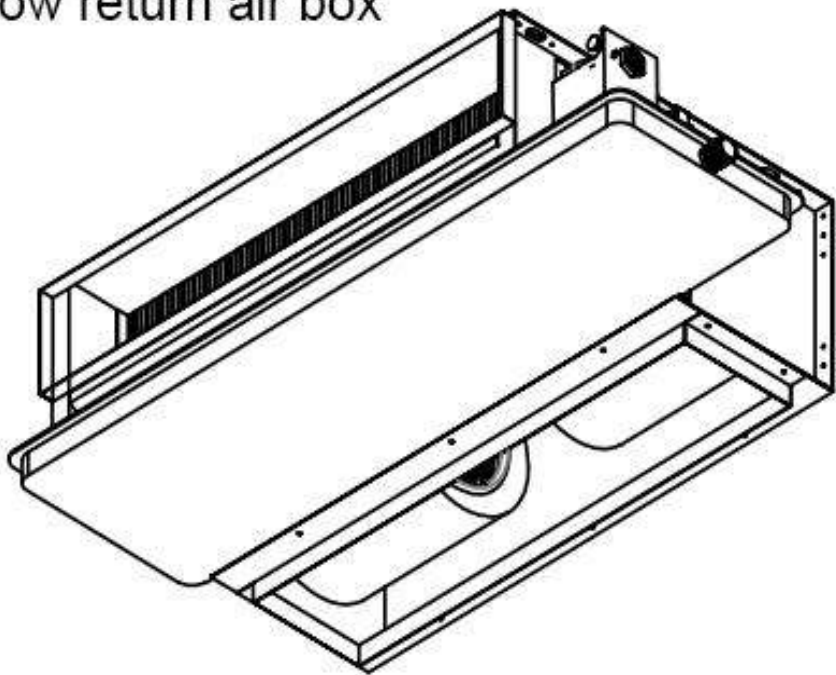
Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A	755	855	955	1055	1155	1355	1655	1855	2055
B	505	635	705	815	955	1155	1405	1605	1805
C	477	607	677	787	927	1127	1377	1577	1777



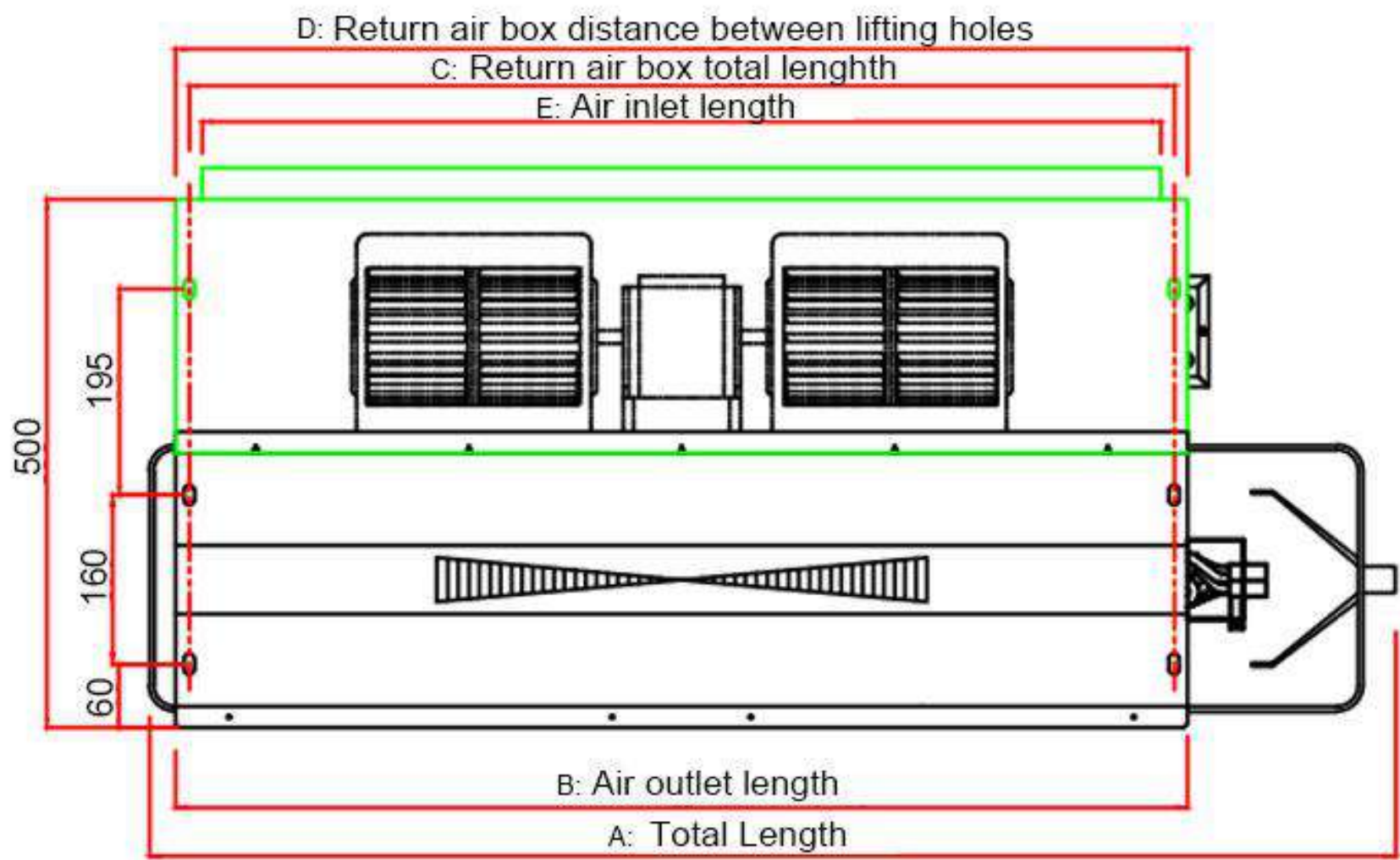
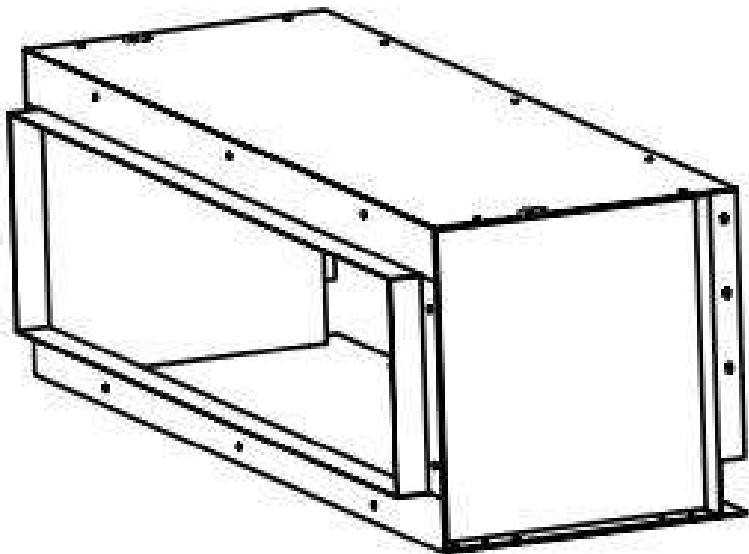
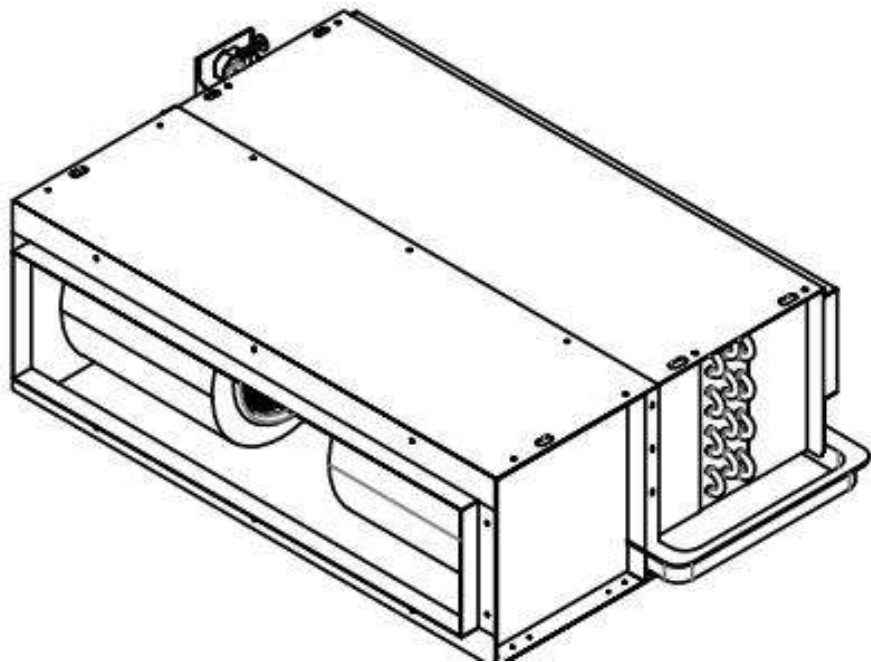
Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
3+1 Cooling Ca. (kw) (Water in 7℃)	1.85	2.78	3.7	4.63	5.56	7.41	9.27	11.1	12.9
3+1 Heating Ca. (kw) (Water in 60℃)	1.2	1.9	2.5	3.1	3.7	4.85	6.1	7.3	8.6
2+2 Cooling Ca. (kw) (Water in 7℃)	1.2	1.8	2.5	3.2	3.8	5.1	6.2	7.7	8.8
2+2 Heating Ca. (kw) (Water in 60℃)	1.8	2.8	3.8	4.7	5.7	7.7	9.5	11.3	13.2
Power Input (W)	36	50	60	74	93	130	147	183	221
Air flow (m³/h)	357	535	714	892	1071	1428	1785	2090	2390
Motor Power (W)	25	20	25	25	40	40+25	40+40	40+40	50+50
Noise dB (A)	37	39	41	43	45	46	48	50	52
Motor No.	1					2			
Fan No.	1	2				3	4		
Static pressure	30 Pa								
Water flow(m3/h)	0.32	0.478	0.64	0.797	0.956	1.275	1.594	1.913	2.232
Condenser length (mm)	450	580	650	760	900	1100	1350	1550	1750
Condenser Width (mm)	200								
Condenser Highth (mm)	108.3								
Iron Wheel Weight (kg)	10.7	13.2	14.2	15.4	17	22.7	27	28.8	31.2
ABS Weight (Kg)	10.3	12.6	13.4	14.6	16.2	21.9	26.2	28	30.4
Package length (mm)	790	880	980	1080	1180	1380	1680	1880	2080
Package width (mm)	520								
Package height (mm)	260								

Other option- with air return plenum

Below return air box

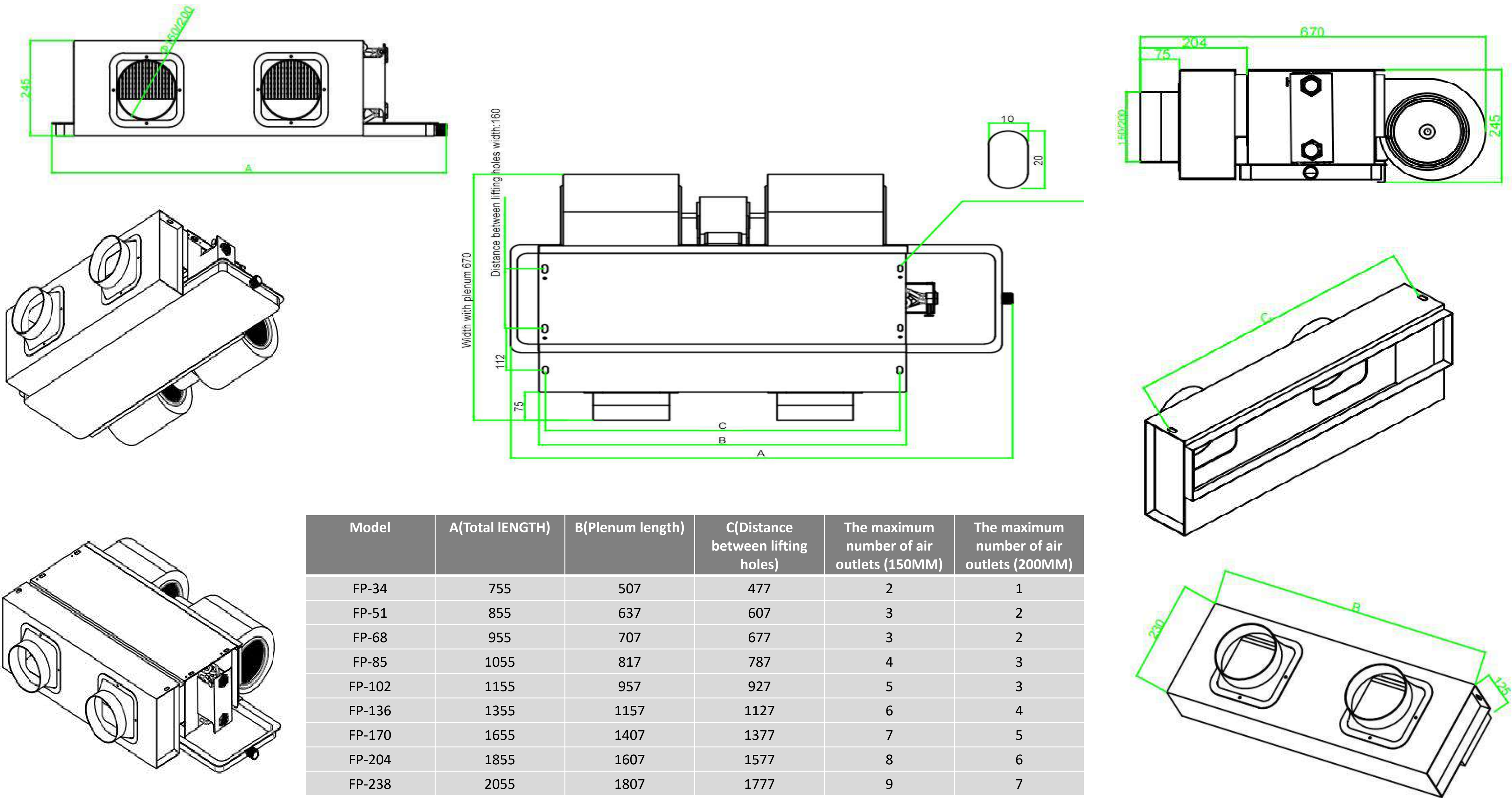


Back return air box

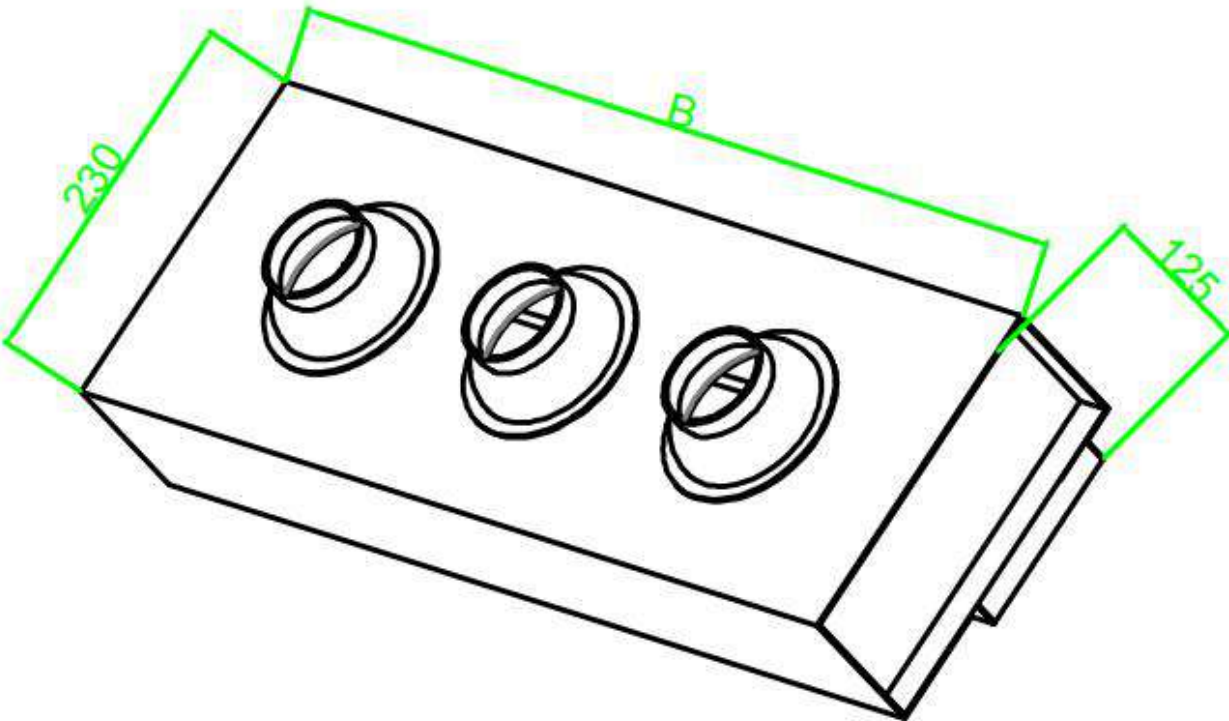
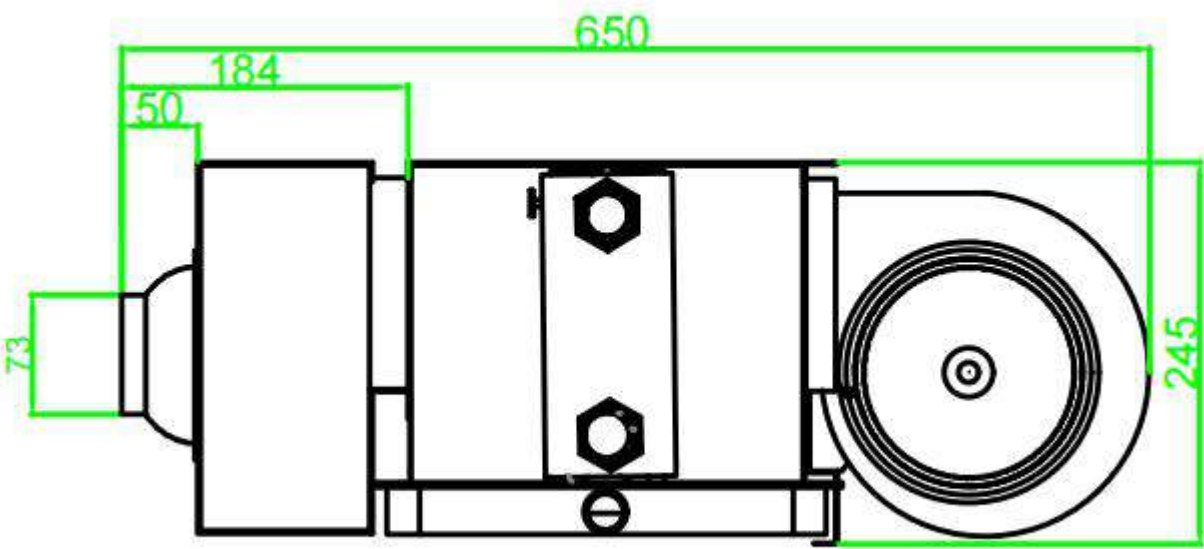
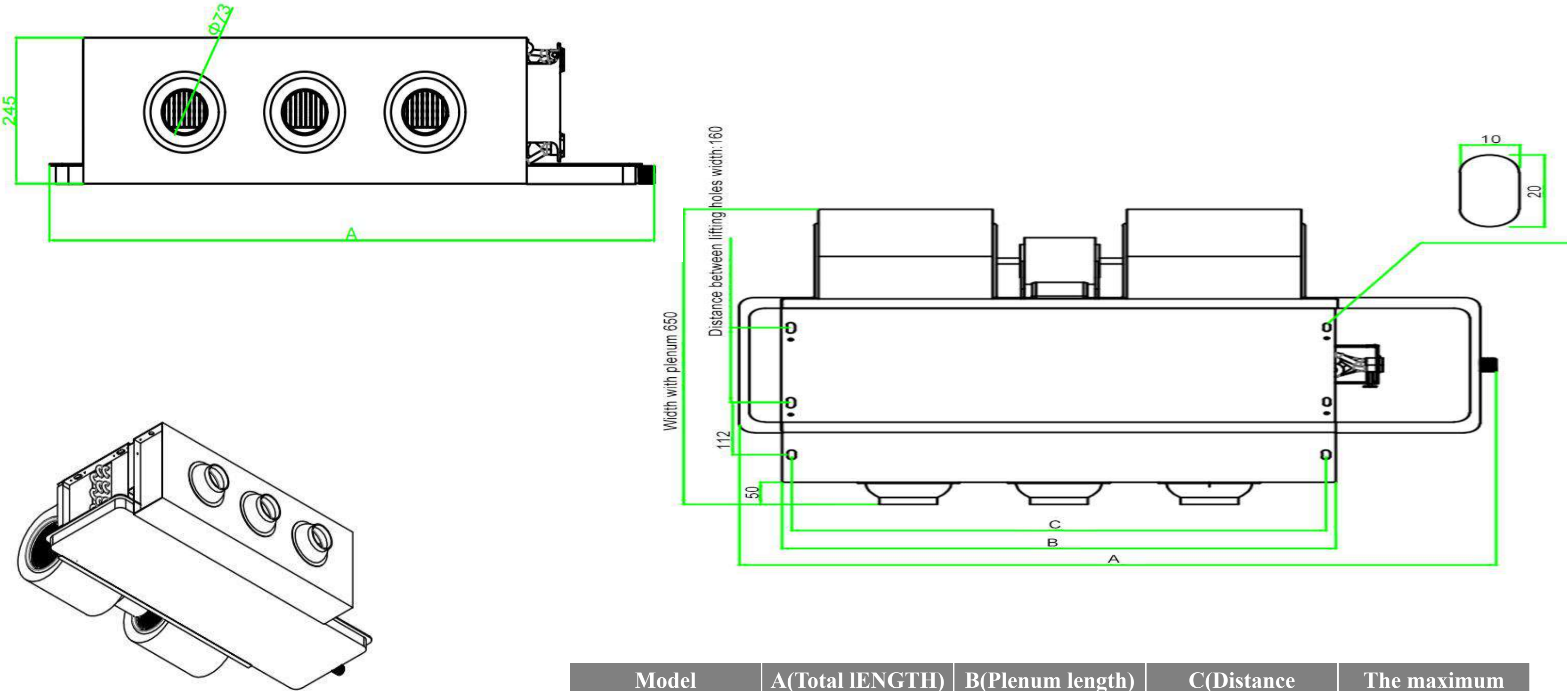


Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A	755	855	955	1055	1155	1355	1655	1855	2055
B	505	635	705	815	955	1155	1405	1605	1805
C	477	607	677	787	927	1127	1377	1577	1777
D	510	640	710	820	960	1160	1410	1610	1810
E	460	590	660	770	910	1110	1360	1560	1760

Other option- with air outlet plenum



Other option- with jet type air outlet plenum

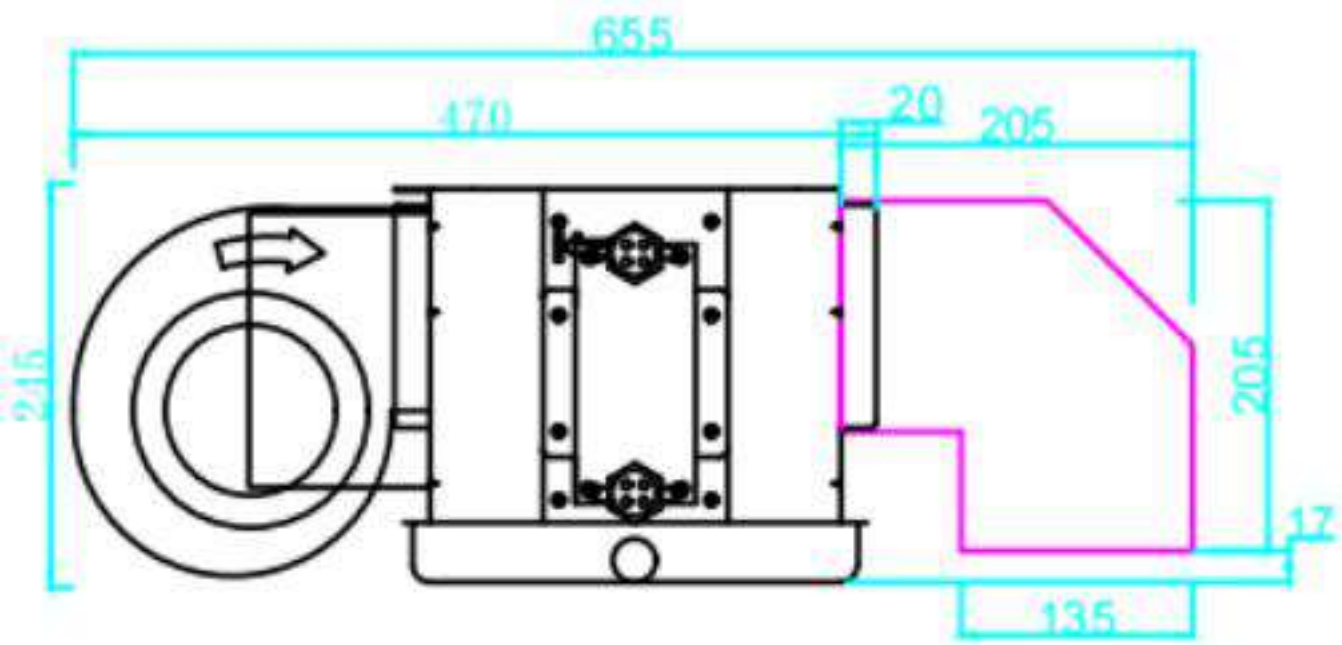
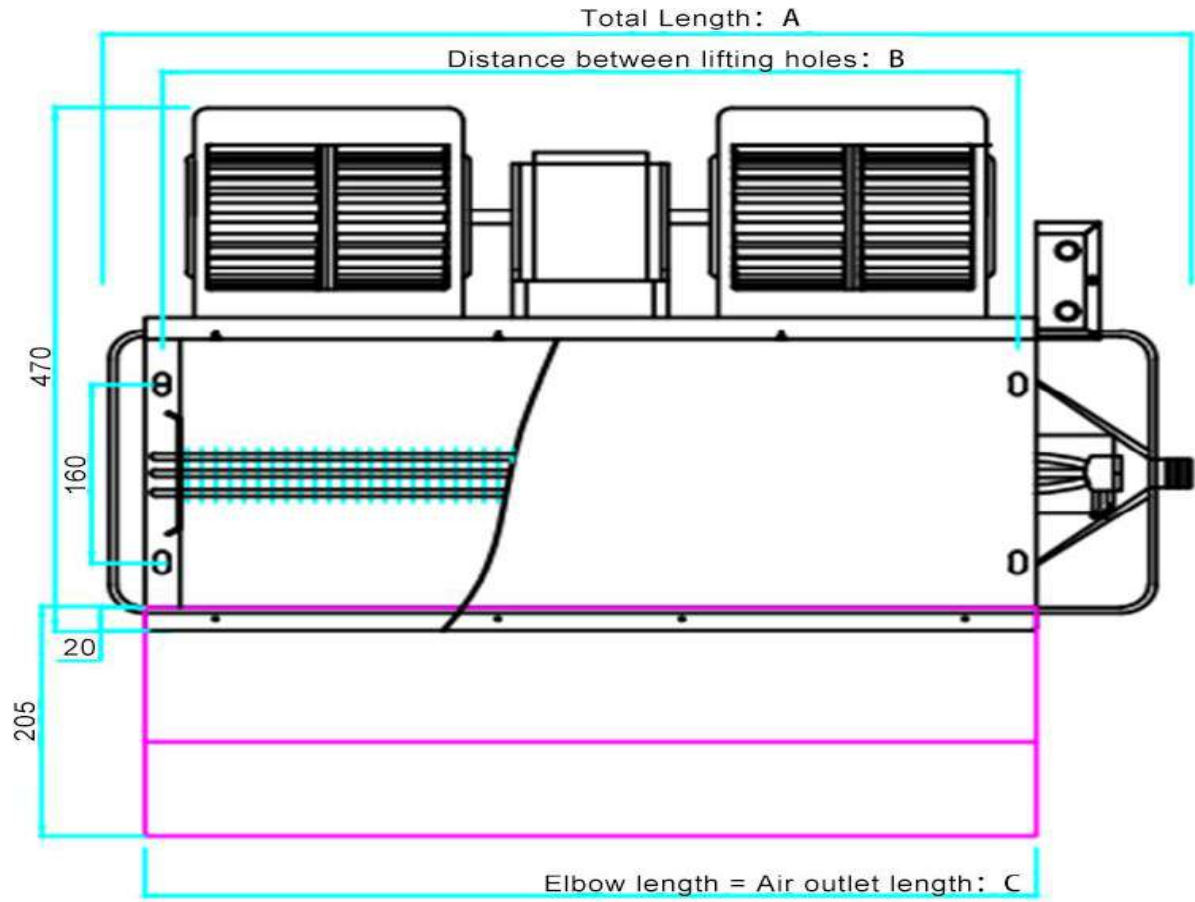
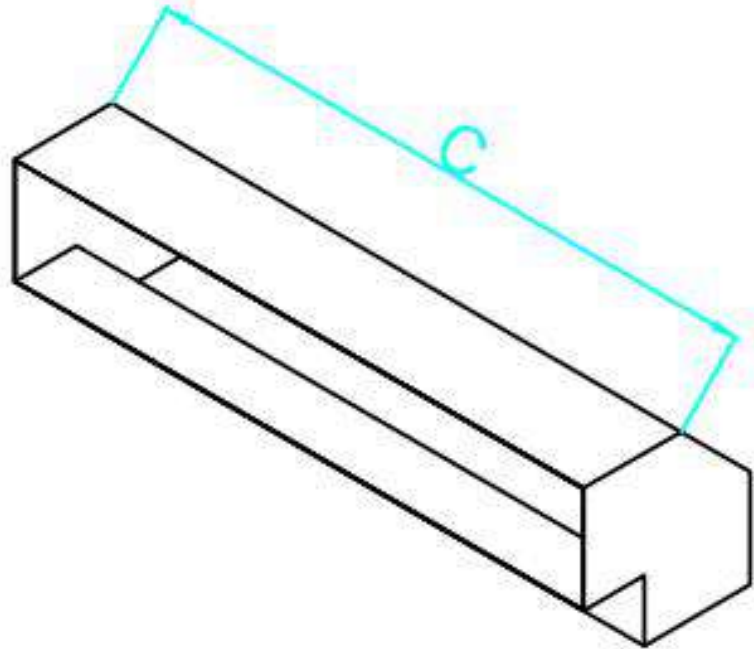
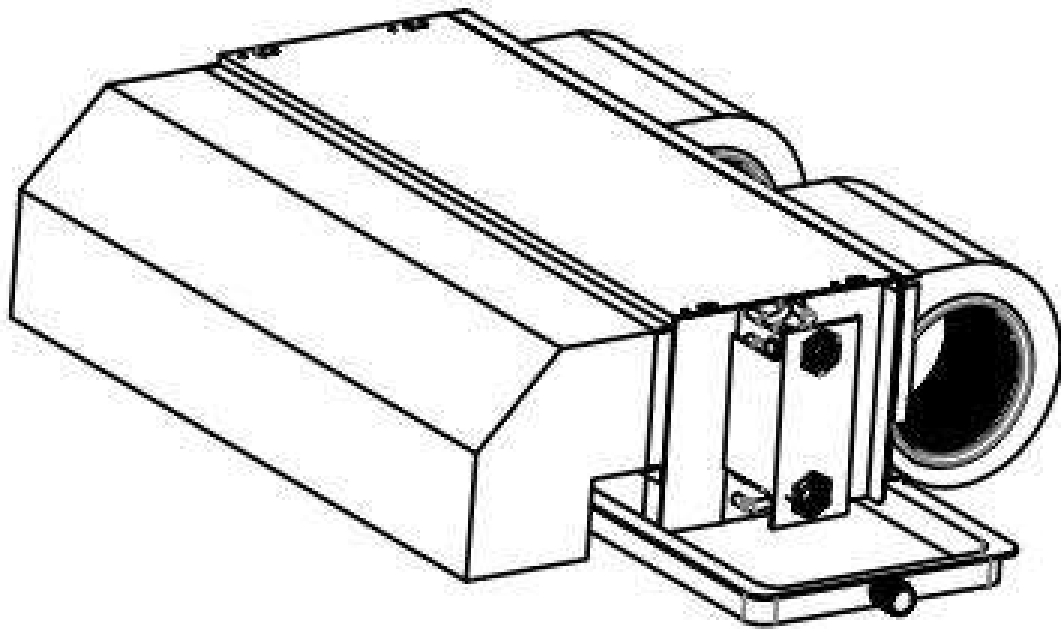


Model	A(Total IENGTH)	B(Plenum length)	C(Distance between lifting holes)	The maximum number of jet ports
FP-34	755	507	477	3
FP-51	855	637	607	4
FP-68	955	707	677	5
FP-85	1055	817	787	6
FP-102	1155	957	927	7
FP-136	1355	1157	1127	9
FP-170	1655	1407	1377	10
FP-204	1855	1607	1577	12
FP-238	2055	1807	1777	14

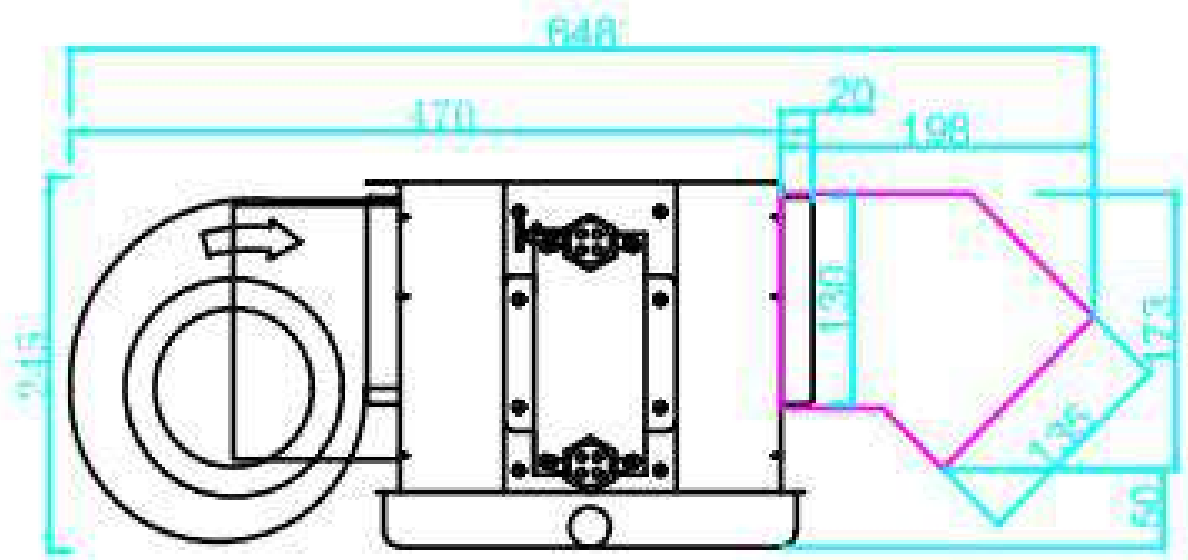
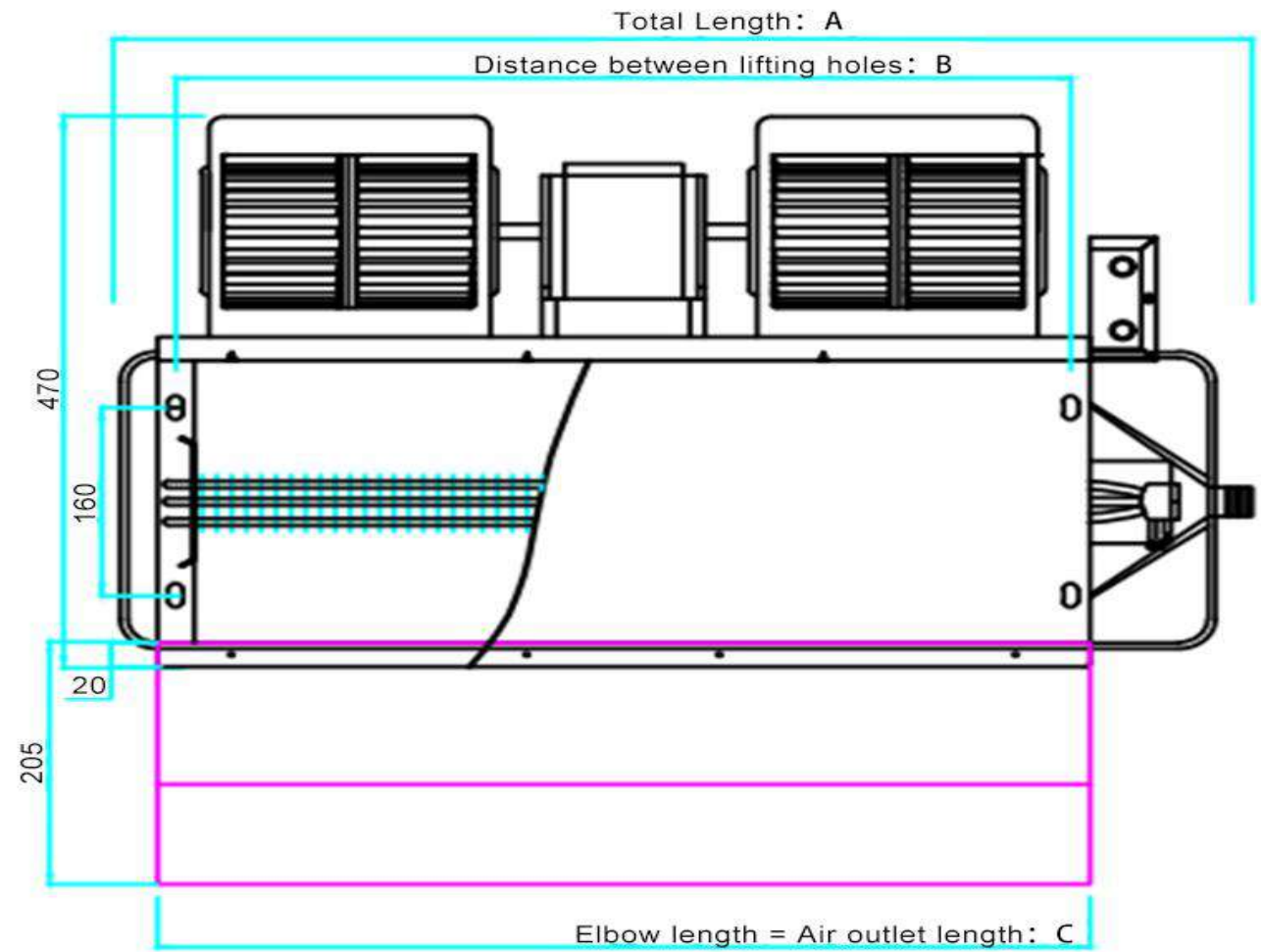
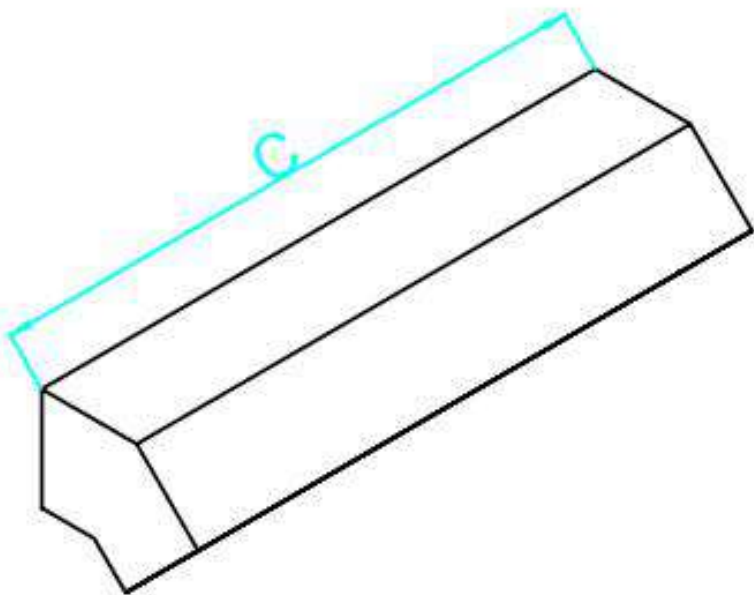
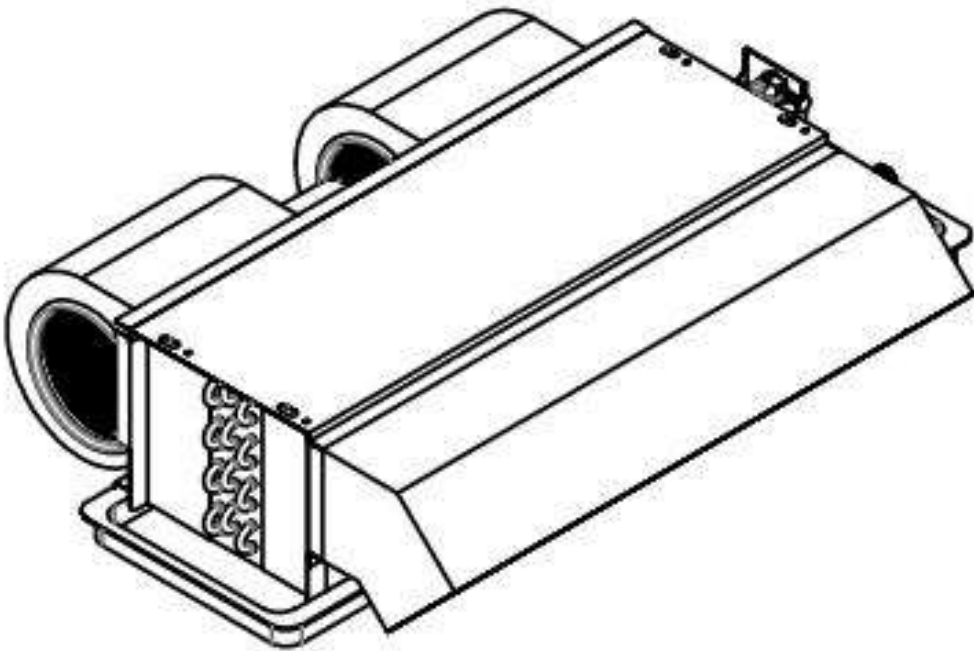
Static pressure box material: 0.8mm hot-dip galvanized sheet metal, no flower and no oil, static pressure port is made of ABS material

Other option- with air outlet elbow

90° Outlet Elbow



45° Outlet Elbow



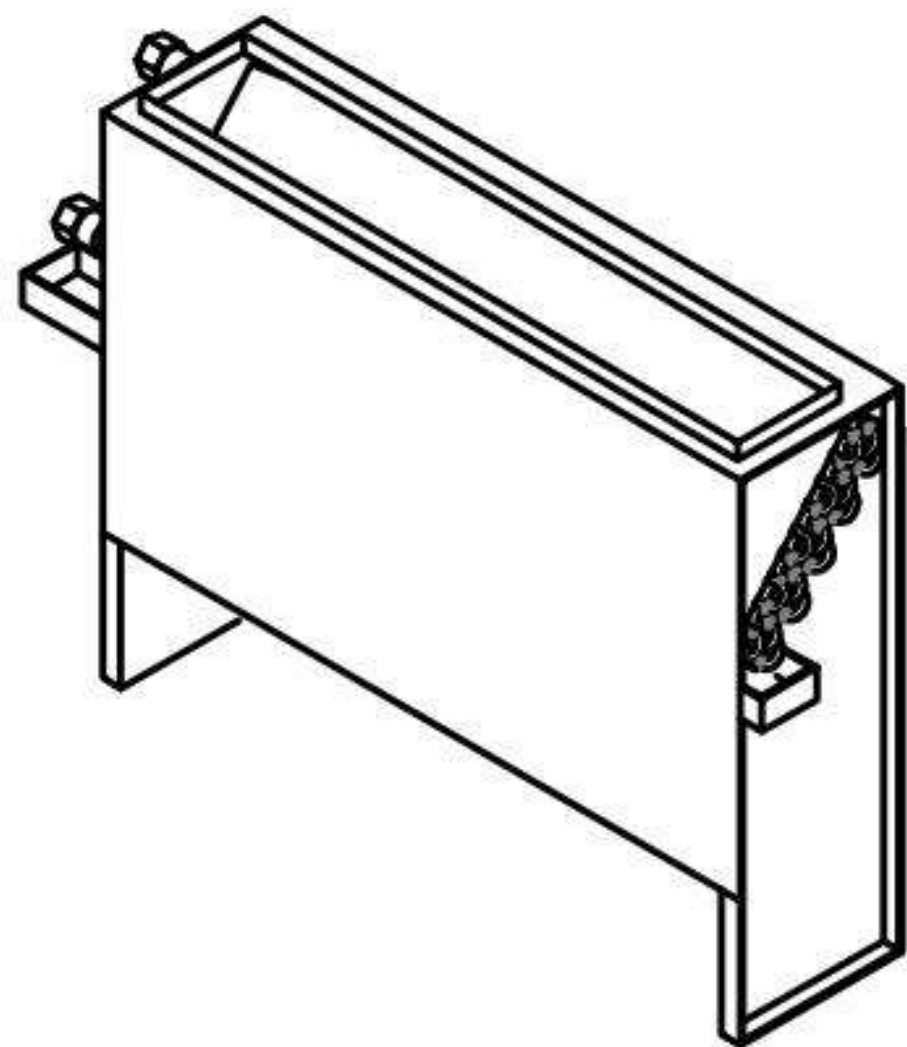
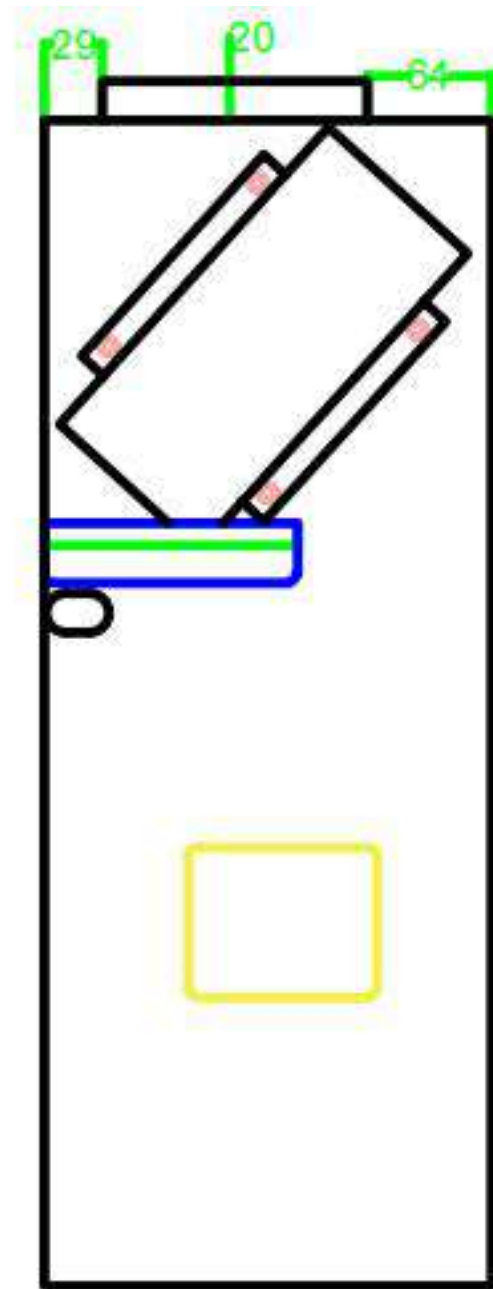
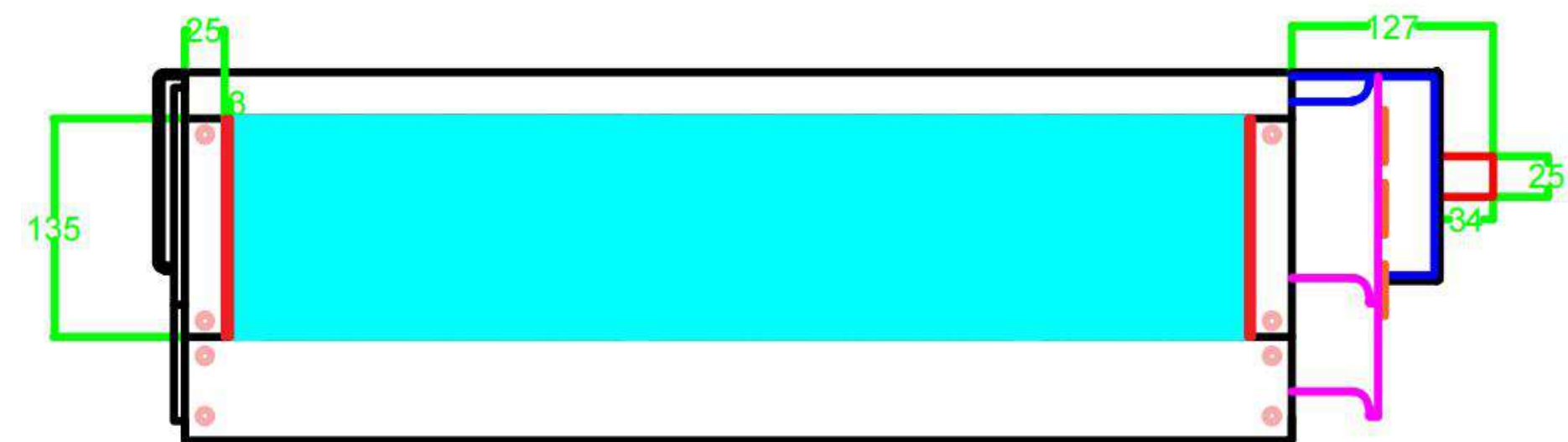
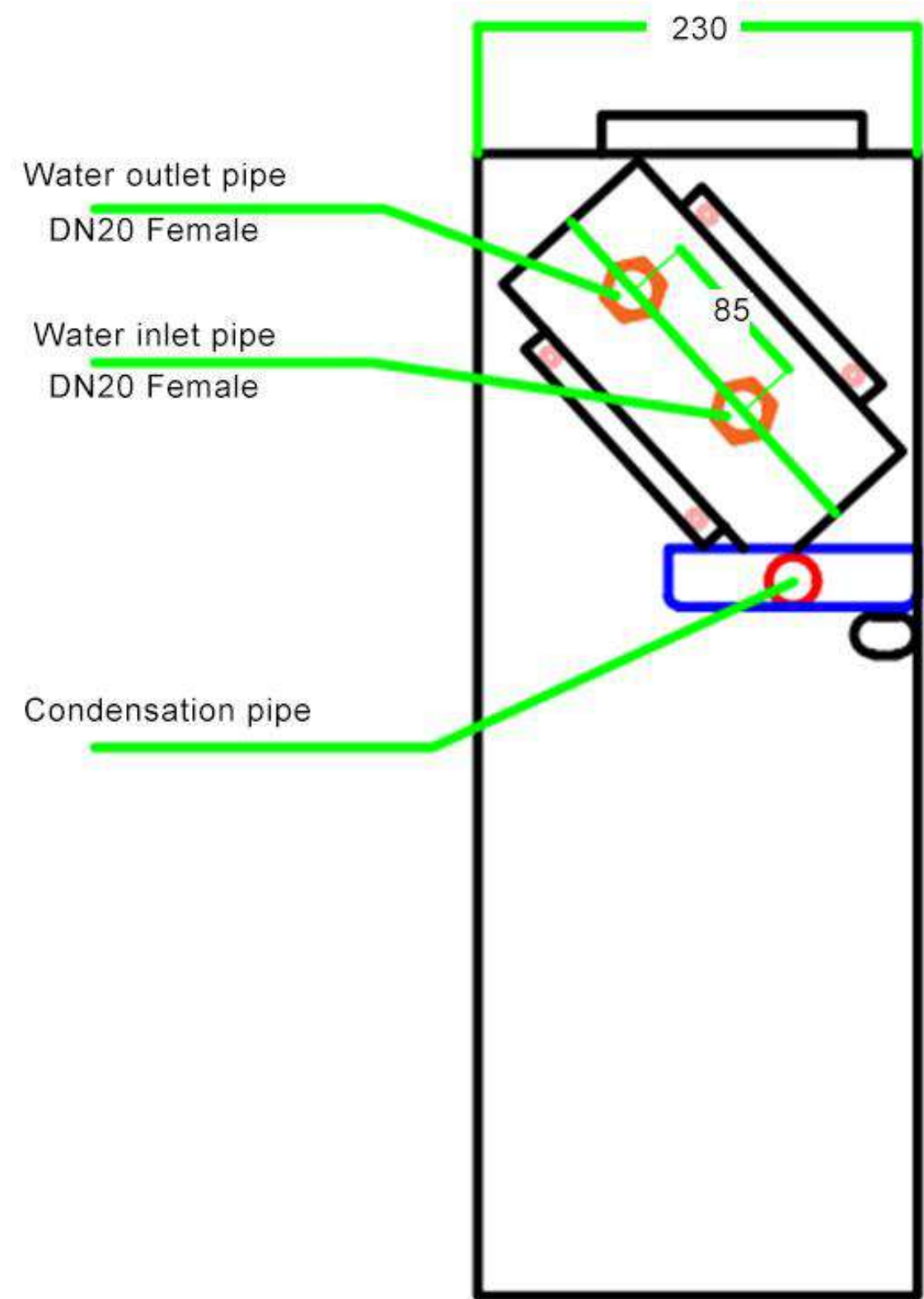
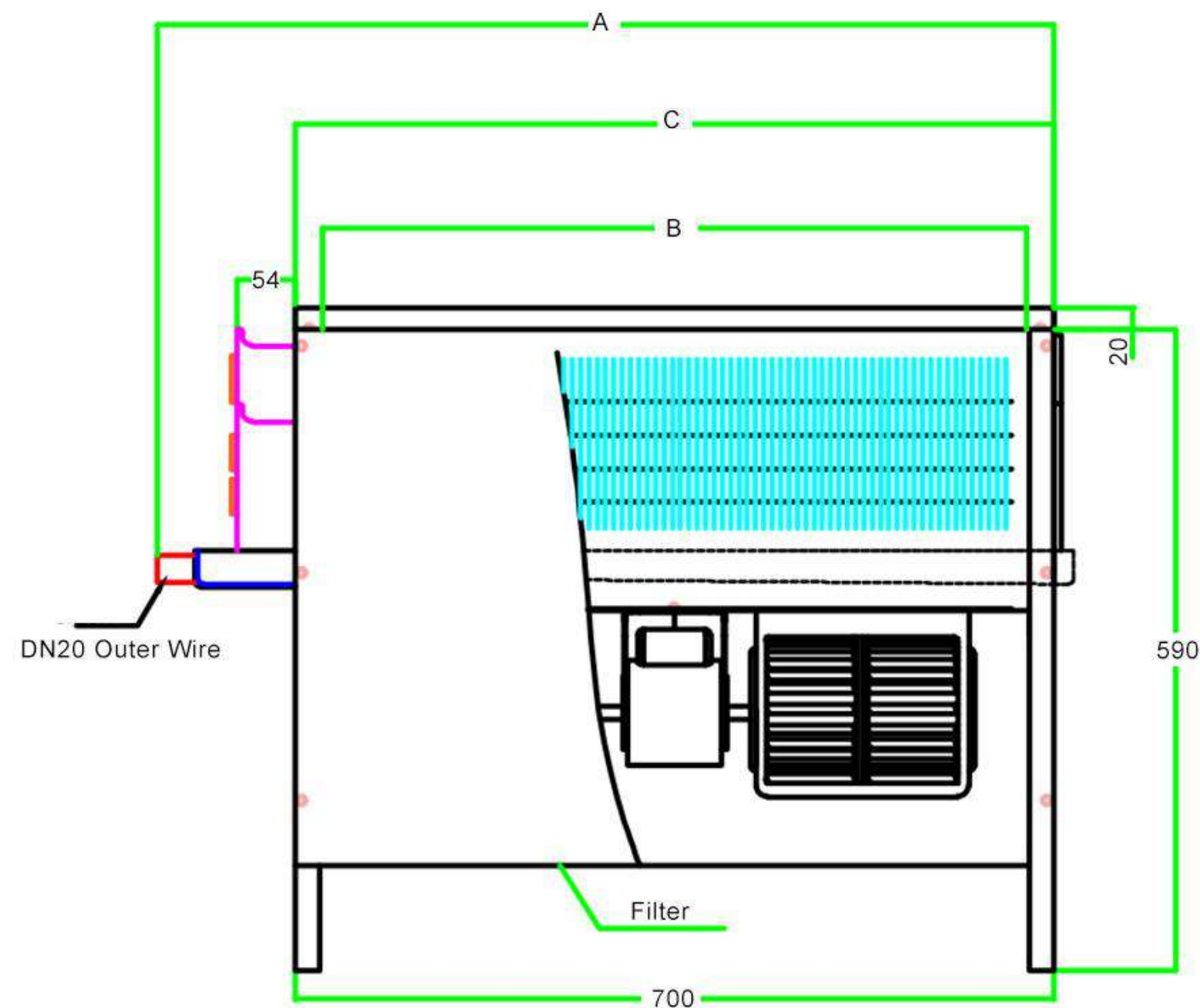
Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A (Total Length)	755	855	955	1055	1155	1355	1655	1855	2055
B(Distance between lifting holes)	477	607	677	787	927	1127	1377	1577	1777
C(Elbow length (tuyere length))	512	642	712	822	962	1162	1412	1612	1812

Elbow material: 0.8mm hot-dip galvanized sheet metal, no flowers and no oil.

Other option- Electrostatic precipitation filter,
PCO filter, PTC heater



Vertical concealed FCU size & drawing

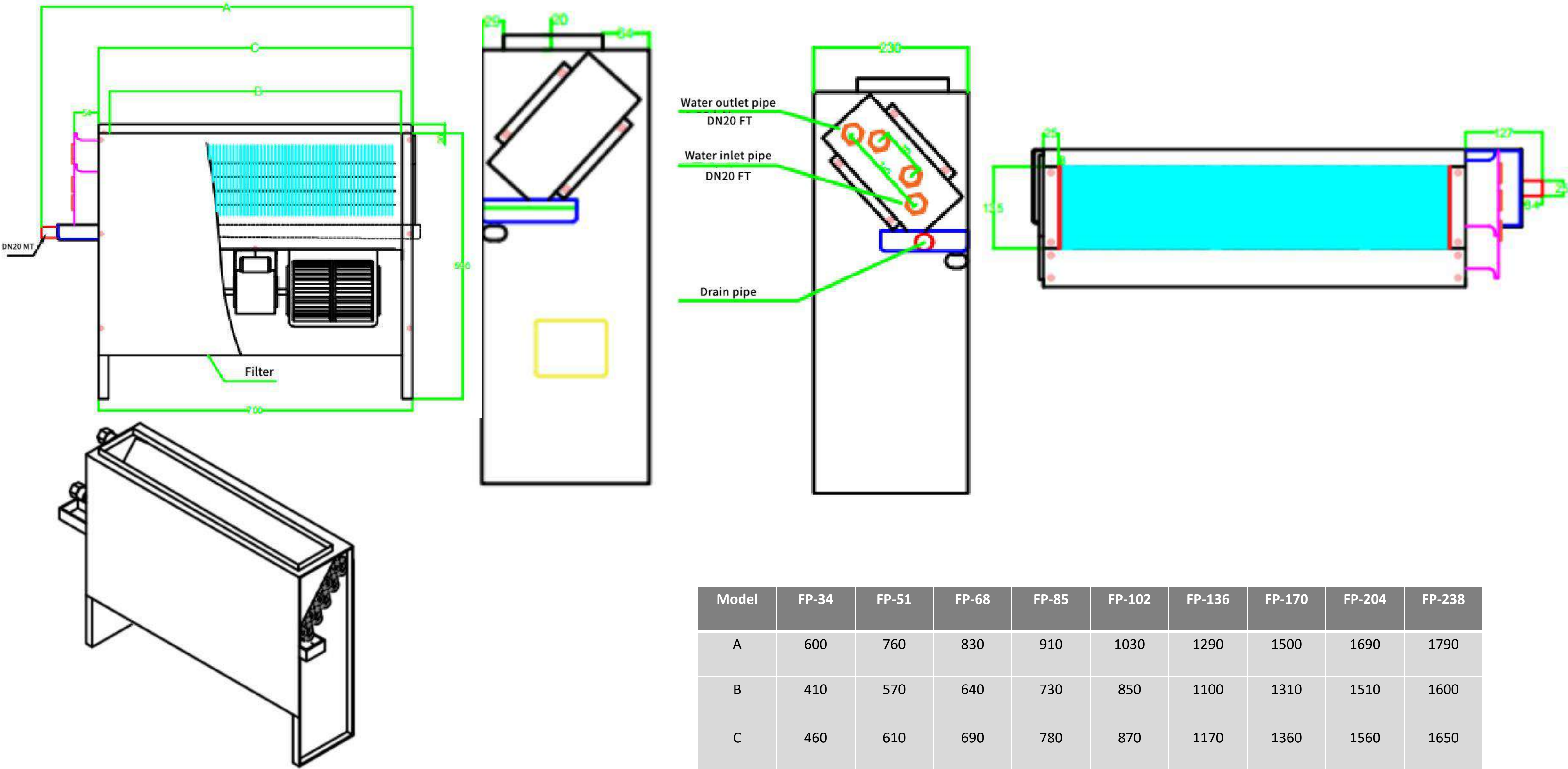


Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
A	600	760	830	910	1030	1290	1500	1690	1790
B	410	570	640	730	850	1100	1310	1510	1600
C	460	610	690	780	870	1170	1360	1560	1650

Vertical concealed FCU data sheet

Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
Cooling Ca. (kw) (Water in 7℃)	1.8	2.7	3.6	4.5	5.4	7.2	9.0	10.8	12.6
Heating Ca. (kw) (Water in 60℃)	2.7	4.05	5.4	6.75	8.1	10.8	13.5	16.2	18.9
Power(W)	36	50	60	74	93	130	147	183	220
Air flow (m³/h)	340	510	680	850	1020	1360	1700	2040	2380
Noise dB (A)	37	39	41	43	45	46	48	50	52
Static pressure	12 Pa								
Water flow(m3/h)	0.32	0.478	0.64	0.797	0.956	1.275	1.594	1.913	2.232
Condenser length (mm)	460	580	650	730	850	1050	1310	1510	1600
Condenser height (mm)	190								
Condenser Width (mm)	40								
Iron Wheel Weight (kg)	11	14	15	17	18	25	28	34	38
ABS Weight (Kg)	10	13	14	16	17	24	27	33	37

4-pipe Vertical concealed FCU size&drawing



4-pipe Vertical concealed FCU data sheet



Model	FP-34	FP-51	FP-68	FP-85	FP-102	FP-136	FP-170	FP-204	FP-238
3+1 Cooling Ca. (kw) (Water in 7℃)	1.8	2.7	3.6	4.5	5.4	7.2	9.0	10.8	12.6
3+1 Heating Ca. (kw) (Water in 60℃)	1.2	1.8	2.4	3.1	3.6	4.8	6.1	7.3	8.5
2+2 Cooling Ca. (kw) (Water in 7℃)	1.2	1.8	2.5	3.2	3.8	5.1	6.2	7.7	8.8
2+2 Heating Ca. (kw) (Water in 60℃)	1.8	2.8	3.8	4.7	5.7	7.7	9.5	11.3	13.2
Power Input (W)	36	50	60	74	93	130	147	183	220
Air flow (m³/h)	340	510	680	850	1020	1360	1700	2040	2380
Noise dB (A)	37	39	41	43	45	46	48	50	52
Static pressure	12 Pa								
Condenser length (mm)	460	580	650	730	850	1050	1310	1510	1600
Condenser height (mm)	190								
Condenser Width (mm)	52								
Iron Wheel Weight (kg)	12	15	16	19	20	27	31	36	41
ABS Weight (Kg)	11	14	15	18	19	26	30	35	40

SERVICE WE SUPPLY

- The CAD design drawing plan of the project are available
- We will send you the test report before shipping
- The free spare parts available
- You can get us at any time, after order placed
- We will following the goods delivery untill you got the goods
- Supply the installation and maintenance instruction online
- If any quality problem of product, we can refund you
- Three years' warranty



**Baoding Yuixin Heating and Cooling
Equipment Manufacturing Co., Ltd**

**Yuexin(Tianjin)Artificial Environment
Engineering Technology Co.,Ltd.**

Contact: Emily Han

Mob(Wechat,Whatsapp):+8617332290111

Email:emily@yesncer.com

To learn more

