

CEILING FAN COIL UNITS

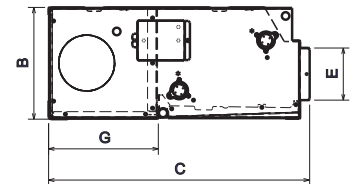
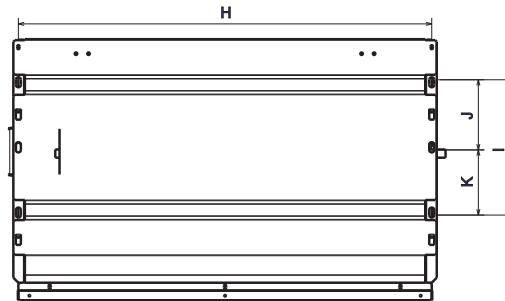
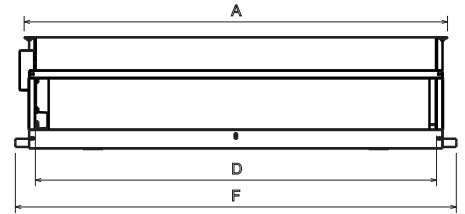


Remark

1: Refrigeration test conditions: inlet dry bulb 27°C and wet bulb 19.5°C. Water inlet temperature 7°C and water temperature difference is 5°C; Heating test conditionsz inlet air dry bulb 21°C and inlet hot water 60°C

	Model	ARCFC-200	ARCFC-300	ARCFC-400	ARCFC-600	ARCFC-800
Rated Air Flow Volume (CFM)	High	200	300	400	600	800
	Medium	140	210	280	420	560
	Low	90	135	180	310	380
Cooling Capacity (Btu/h)	High	6341	8973	12450	16500	24182
	Medium	5181	7395	10241	13820	20594
	Low	387	5622	7623	11679	16871
Heading Capacity (Btu/h)	High	16972	24229	32671	44967	65000
Fan	Model	Standard ABS fan wheel with optional galvanized steel fan wheel for low noise application				
	Quantity	1				
Motor	Model	Hermetic aluminum shell in 7 speed				
	Insulation	Level B				
	Quantity	1				
Power Supply (v/ph/hz)		220V/ 1ph/50Hz				
Evaporator	Coil Model	Copper tubes mechanically bonded into corrugated aluminum fin				
	Working pressure	≥1.6mPa				
	Water running pipe diameter	RC3/4"(DN20)inner thread taper pipe				
	Condensing water pipe diameter	RC3/4"(DN20)inner thread taper pipe				
	Rows quantity	2	2	2	2	2
	Water flow volume (GPM)	2	2.5	3	3.5	4.5
	Water PD (FT H2O)	2.1	3.7	6.22	9	17.1

Dimension

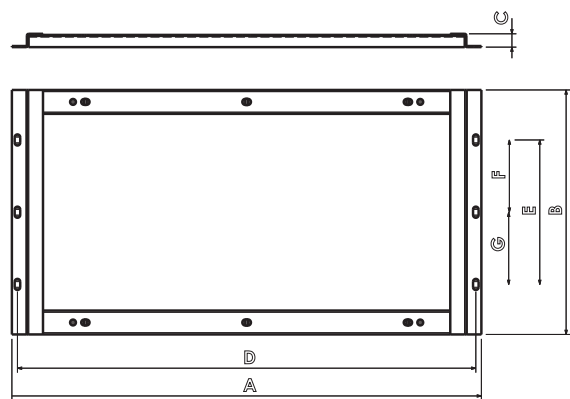


MODEL	A	B	C	D	E	F	G	H	I	J	K
ARCFC-200	645	222	520	601	104	680	218	625	270	140	140
ARCFC-300	745	222	520	701	104	780	218	725	270	140	140
ARCFC-400	845	222	520	801	104	880	218	825	270	140	140
ARCFC-600	945	222	520	901	104	980	218	925	270	140	140
ARCFC-800	1195	222	520	1151	104	1230	218	1175	270	140	140

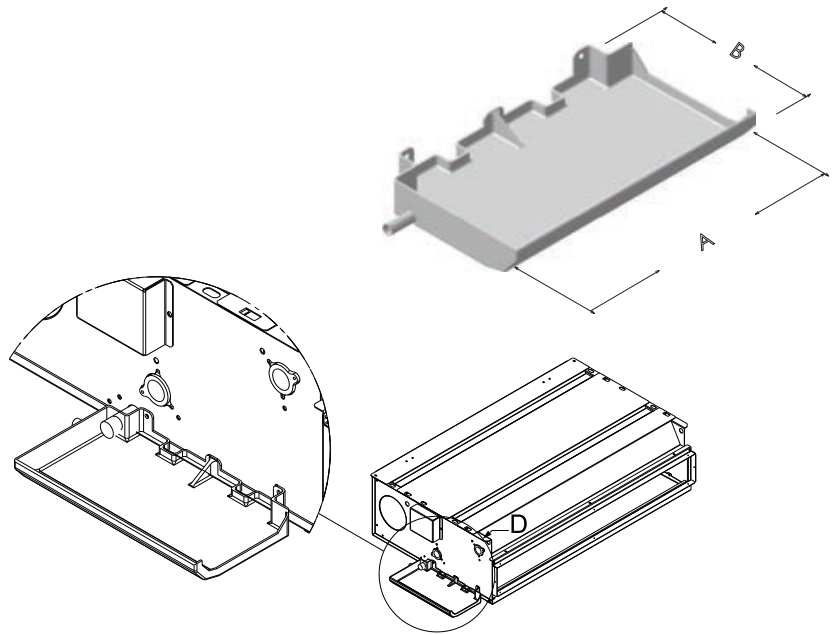
SIZE (mm) 

Dimension

MODEL	A	B	C	D	E	F	G
ARCFC-200	645	440	24	625	260	130	130
ARCFC-300	745	440	24	725	260	130	130
ARCFC-400	845	440	24	825	260	130	130
ARCFC-600	945	440	24	925	260	130	130
ARCFC-800	1195	440	24	1175	260	130	130



Extra Drain Pan



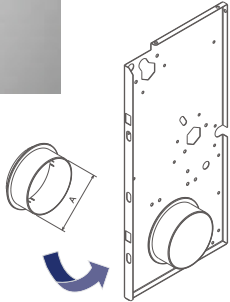
BSO extension condensate collection tray
to cover valve assembly (for horizontal units)

Extra drain pan		
CONNECTION SIDE	LEFT	RIGHT
SIZE (MM)	A	B
	300	150

Fresh air connction

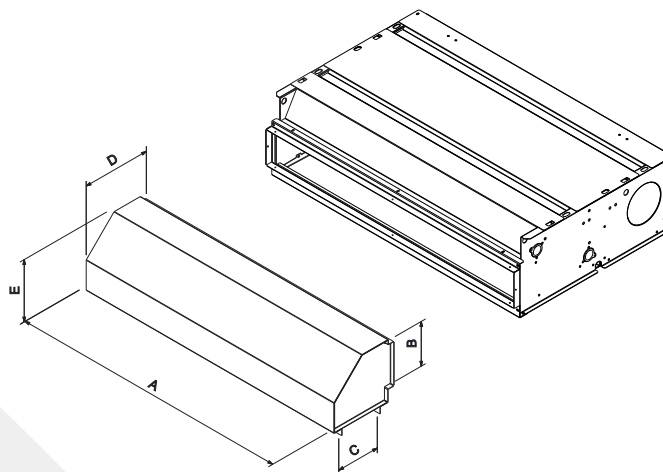
FRESH AIR		
CONNECTION SIDE	LEFT	RIGHT
SIZE (MM)	A	B
	110	40

Standard push fit



FRC
Fresh air connection (not mounted)

90° Air delivery plenum



The 90° air delivery plenum is made of galvanized steel sheet insulated inside, provided with a rectangular collar for the connection to the duct. It is mounted on the air outlet of the unit.

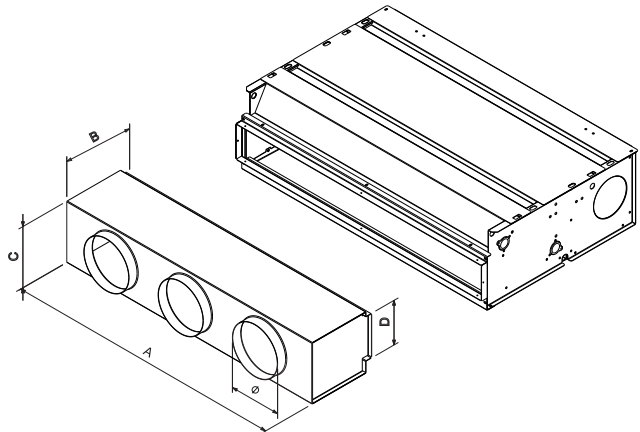
MODEL	A	B	C	D	E
ARCFC-200	627	129	108	175	183
ARCFC-300	727	129	108	175	183
ARCFC-400	827	129	108	175	183
ARCFC-600	927	129	108	175	183
ARCFC-800	1177	129	108	175	183

SIZE (mm) 

PM Air delivery plenum

MODEL	ARCFC-200	ARCFC-300	ARCFC-400	ARCFC-600	ARCFC-800
NO. of spigots	3	3	4	6	8
Spigots extemal	150	150	150	150	150
A	645	725	825	925	1175
B	230	230	230	230	230
C	179	179	179	179	179
D	179	179	179	179	179

▲
SIZE (mm)



The air delivery plenum is made of galvanized steel sheet, insulated inside, provided with spigots for the connection to the air ducts. It is mounted on the air outlet of the unit.

Cooling Performance Data

MODEL	GPM	PD (ft)	TH(Btu/h)	SH(Btu/h)
ARCFC-200	1	0.84	5150	3518
	1.5	1.7	5894	3795
	2	2.9	6341	3966
ARCFC-300	1.5	2	7654	5169
	2	3.2	8446	5464
	2.5	4.9	8973	5665
ARCFC-400	2	4.1	11000	7204
	2.5	6.1	11815	7524
	3	8.8	12410	7754
ARCFC-600	2.5	6.7	14737	9923
	3	9.2	15623	10252
	3.5	12	16500	10578
ARCFC-800	3	11.2	19245	13063
	3.5	14.8	20407	13868
	4	18.8	21407	13868
	4.5	23.2	22182	14161

▲ 2rows
 DB:80°F
 WB:67°F
 Ent fluid :44.6°F
 Altitude:4000 (ft)

MODEL	GPM	PD (ft)	TH(Btu/h)	SH(Btu/h)
ARCFC-200	1	0.84	5700	3721
	1.5	1.7	6564	4053
	2	2.9	7089	4262
ARCFC-300	1.5	2	8539	5500
	2	3.2	9425	5841
	2.5	4.9	10074	6098
ARCFC-400	2	4.1	12285	7706
	2.5	6.1	13176	8055
	3	8.8	13848	8325
ARCFC-600	2.5	6.7	16407	10549
	3	9.2	17536	11000
	3.5	12	18366	11310
ARCFC-800	3	11.2	21600	13941
	3.5	14.8	22855	14421
	4	18.8	23874	14818
	4.5	23.2	24742	15160

▲ 2rows
 DB:80°F
 WB:67°F
 Ent fluid :41°F
 Altitude:4000 (ft)

MODEL	GPM	PD (ft)	TH(Btu/h)	SH(Btu/h)
ARCFC-200	1	0.42	5991	4084
	1.5	0.86	6998	4460
	2	1.4	7534	4667
ARCFC-300	1.5	1	9071	6096
	2	1.65	10000	6448
	2.5	2.5	10890	6785
ARCFC-400	2	2	12723	8383
	2.5	3.05	13989	8862
	3	4.09	14755	9159
ARCFC-600	2.5	3.33	17135	11661
	3	4.4	18472	12155
	3.5	5.9	19541	12557
ARCFC-800	3	5.4	22657	15462
	3.5	7.2	24066	15981
	4	9.2	25240	16420
	4.5	11.3	26384	16853

▲ 3rows
 DB:80°F
 WB:67°F
 Ent fluid :41°F
 Altitude:4000 (ft)

MODEL	GPM	PD (ft)	TH(Btu/h)	SH(Btu/h)
ARCFC-200	1	0.42	6688	4343
	1.5	0.86	7924	4821
	2	1.4	8339	5010
ARCFC-300	1.5	1	10090	6477
	2	1.65	11302	6946
	2.5	2.5	12085	7259
ARCFC-400	2	2	14234	8957
	2.5	3.05	15517	9459
	3	4.09	16468	9841
ARCFC-600	2.5	3.33	19151	12410
	3	4.4	20727	13012
	3.5	5.9	21866	13456
ARCFC-800	3	5.4	25202	16400
	3.5	7.2	26815	17018
	4	9.2	28305	17595
	4.5	11.03	29511	18068

▲ 3rows
 DB:80°F
 WB:67°F
 Ent fluid :44.6°F
 Altitude:4000 (ft)

Heating Performance Data

MODEL	GPM	PD(ft)	Total Heating cap.(Btu/h)70c	PD(ft)	Total Heating cap.(Btu/h)60c
ARCFC-200	1	0.63	17517	0.65	15600
	1.5	1.3	18488	1.35	16500
	2	2.1	19000	2.25	16972
ARCFC-300	1.5	1.48	25577	1.53	22788
	2	2.48	26524	2.57	23665
	2.5	3.7	27134	3.83	24229
ARCFC-400	2	3	34898	3.17	31148
	2.5	4.75	35895	4.73	32056
	3	6.22	36567	6.45	32671
ARCFC-600	2.5	5	48183	5.2	42950
	3	6.82	49443	7.07	44107
	3.5	9	50373	9.3	44967
ARCFC-800	3	8.32	63500	8.63	56654
	3.5	11	65037	11.3	58039
	4	13.9	66200	14.4	59100
	4.5	17.1	67120	17.78	60000

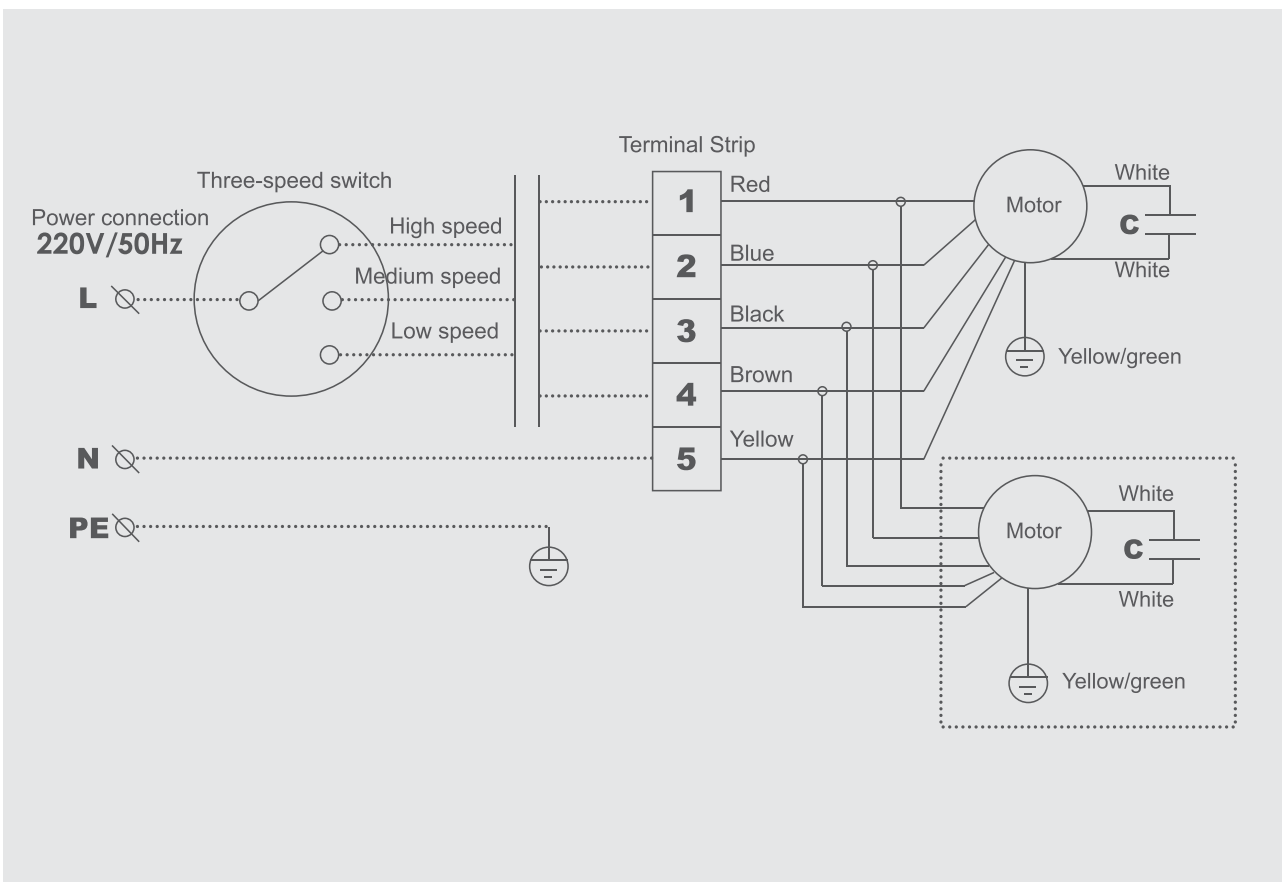
▲ 2rows

MODEL	GPM	PD(ft)	Total Heating cap.(Btu/h)70c	PD(ft)	Total Heating cap.(Btu/h)60c
ARCFC-200	1	0.32	20788	0.32	18543
	1.5	0.65	21941	1.67	19613
	2	1.1	22533	1.13	20168
ARCFC-300	1.5	0.74	30576	0.77	27300
	2	1.24	31776	1.28	28404
	2.5	1.85	32500	1.91	29075
ARCFC-400	2	1.52	41749	1.58	37318
	2.5	2.28	42941	2.36	38419
	3	3.03	43736	3.14	39150
ARCFC-600	2.5	2.5	58261	2.58	52028
	3	3.33	59882	3.45	53524
	3.5	4.38	61059	4.51	54593
ARCFC-800	3	4.06	76877	4.21	68679
	3.5	5.34	78836	5.54	70472
	4	6.78	80303	7.03	71809
	4.5	8.37	81466	8.67	72883

▲ 3rows

Electrical wiring diagram

1. The unit uses single-phase 220V power supply and the power supply fluctuation can not exceed 10%.
2. Wiring must be carried out according the diagram strictly on the unit.



Wiring instructions:

- Wiring should be according to the dotted line;
- If wiring at static pressure illustrated by the nameplate, the three-speed switch including high, medium and low speed should be connected to 1, 2 and 3 terminals in turn;
- If wiring at secondary static pressure, the three-speed switch including high, medium and low grades should be connected to 2, and 4 terminals in turn

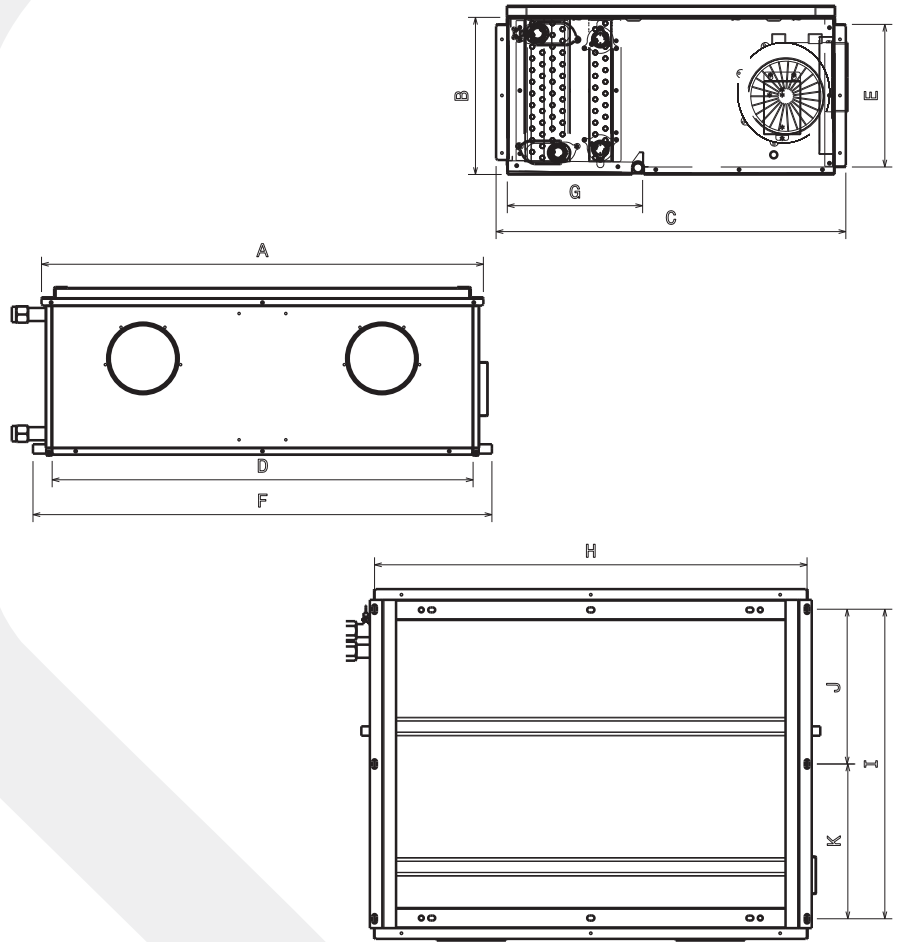
The background is a solid yellow color. There are several thick, white, abstract, rounded shapes that resemble stylized letters or paths. One shape starts from the top left, goes right, then curves down and right. Another shape starts from the top right, goes down, then curves left and down. A third shape starts from the middle right, goes left, then curves down and left. A fourth shape starts from the bottom right, goes left, then curves up and left. These shapes are scattered across the page, creating a modern, geometric aesthetic.

HIGH STATIC UNITS



Model		ARHFC-1000	ARHFC-1200	ARHFC-1400	ARHFC-1600	ARHFC-1800
Air Voloume (CFM)		1000	1200	1400	1600	1800
Water flow row (gpm)		7/1	7/5	9	10	12/5
Static pressure (Pa)		120				
Cooling capacity (BTUH)	(3 rows)	32,800	34,700	41,300	48,600	60,200
	(4 rows)	37,00	39,200	47,000	54,800	68,300
Heating capacity (BTUH)	(1 rows)	28,700	30,500	35,700	42,000	51,200
	(2 rows)	35,400	38,700	45,300	53,100	65,000
Cooling cool pressure drap (Ft)	(3 rows)	24	37	57	80/3	134/4
	(4 rows)	16	22	34/2	48/2	80/6
Heating cool pressure drap (Ft)	(1 rows)	122	194	299	420	703
	(2 rows)	42/1	56/3	87	122/3	204
Dimensions (mm)	(lenght)	935	935	1085	1195	1445
	(Width)	700	700	700	700	700
	(Height)	326	326	326	326	326
Sound Pressure Level (dB)	(High)	42/7	44/6	46/8	47/2	48/6
	(Medium)	41/8	42/8	45/6	46/4	47/4
	(low)	40/8	42/3	44/7	46/1	46/2

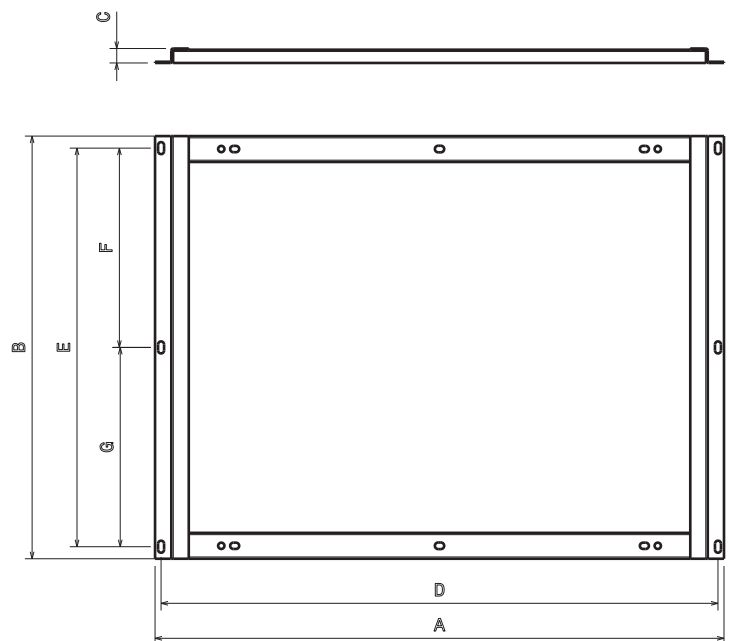
Dimension



MODEL	A	B	C	D	E	F	G	H	I	J	K
ARHFC-1200	945	336	748	900	305	981	239	925	662	331	331
ARHFC-1400	1085	336	748	1040	305	1121	239	1065	662	331	331
ARHFC-1600	1195	336	748	1150	305	1231	239	1175	662	331	331
ARHFC-1800	1445	336	748	1400	305	1481	239	1425	662	331	331

Frame Structure

MODEL	A	B	C	D	E	F	G
ARHFC-1200	945	702	24	925	662	331	331
ARHFC-1400	1085	702	24	1065	662	331	331
ARHFC-1600	1195	702	24	1175	662	331	331
ARHFC-1800	1445	702	24	1425	662	331	331





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