



Technical Sales Guide

LENZOR FAN COIL

TECHNICAL SALES GUIDE 50/60Hz
CAPACITY RANGE: 1.1~5.27kW
CFM RANGE : 200 ~ 800



General Features



COIL:

- The coil can have 2 or 3 or 4 rows, with copper tubes mechanically bonded into corrugated aluminum fin .
- Optional copper fin or hydrophilic blue or Gold fin is available.
- Water inlet / outlet connections are 3/4-inch female pipe thread (BT).
- Coil assembly is tested over 20kg/cm² (300psig).
- A manual drain is fitted with a drain line to the drain pan to avoid any water drips when venting.
- A water drain is located at the bottom of the coil header.

FILTER:

Regenerable synthetic media enclosed with wire mesh protection. The filter is easily removable for cleaning and maintenance. Filter efficiency G1, G2 and G3 (MERV 11-13).

Fan and Motor:

- Standard ABS fan wheel with optional galvanized steel fan wheel for low noise application.
- The motor comes with hermetic aluminum alloy casing and permanently lubricated ball bearing.
- The motor has grade B class insulation; with built-in thermal cutout.
- AC-motor 230V/1Ph/50-60Hz single phase, 3, 5, 6 or 7 speeds are available depending on model, 3 are wired to the fan speed switch

CASING:

- Frame construction made of galvanised. steel,
- Casing epoxy powder coated RAL 9005 is available on request
- Fresh air inlet



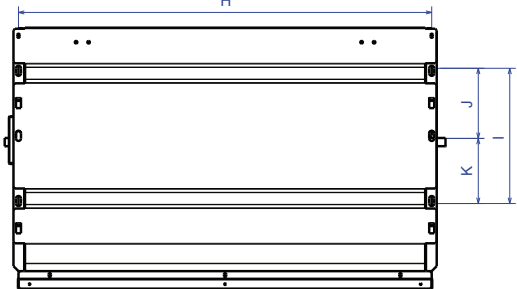
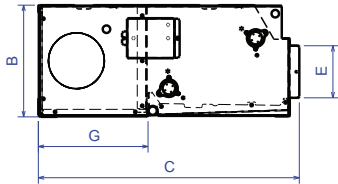
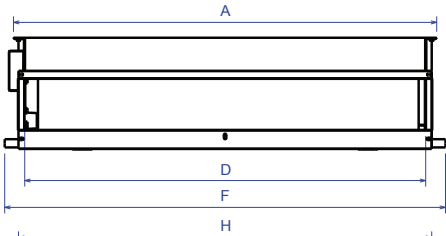
Remark:

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 conditions inlet air dry bulb 21 C and inlet hot water 60 C



	Model	AZFC-200	AZFC-300	AZFC-400	AZFC-600	AZFC-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 (BthU)	High	6341	8973	12450	16500	24182
	Medium	5181	7395	10241	13820	20594
	Low	3870	5622	7623	11679	16871
Heating Capacity (BthU)	High	16972	24229	32671	44967	65000
Fan	Model	Standard ABS fan wheel with optional galvanized steel fan wheel for low noise applicate				
	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

Dimentionions



MODEL	A	B	C	D	E	F	G	H	I	J	K
AZFC-200	645	222	520	601	104	680	218	625	270	140	140
AZFC-300	745	222	520	701	104	780	218	725	270	140	140
AZFC-400	845	222	520	801	104	880	218	825	270	140	140
AZFC-600	945	222	520	901	104	980	218	925	270	140	140
AZFC-800	1195	222	520	1151	104	1230	218	1175	270	140	140
AZFC-1000	1445	222	520	1401	104	1480	218	1425	270	140	140

SIZE (m)

Cooling Performance Data

MODEL	GPM	PD (ft)	TH(Bthu)	SH(Bthu)
AZFC-200	1	0.84	5150	3518
	1.5	1.7	5894	3795
	2	2.9	6341	3966
AZFC-300	1.5	2	7654	5169
	2	3.2	8446	5464
	2.5	4.9	8973	5665
AZFC-400	2	4.1	11000	7204
	2.5	6.1	11815	7524
	3	8.8	12410	7754
AZFC-600	2.5	6.7	14737	9923
	3	9.2	15623	10252
	3.5	12	16500	10578
AZFC-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(Bthu)	SH(Bthu)
AZFC-200	1	0.84	5700	3721
	1.5	1.7	6564	4053
	2	2.9	7089	4262
AZFC-300	1.5	2	8539	5500
	2	3.2	9425	5841
	2.5	4.9	10074	6098
AZFC-400	2	4.1	12285	7706
	2.5	6.1	13176	8055
	3	8.8	13848	8325
AZFC-600	2.5	6.7	16407	10549
	3	9.2	17536	11000
	3.5	12	18366	11310
AZFC-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(Bthu)	SH(Bthu)
AZFC-200	1	0.42	5991	4084
	1.5	0.86	6998	4460
	2	1.4	7534	4667
AZFC-300	1.5	1	9071	6096
	2	1.65	10000	6448
	2.5	2.5	10890	6785
AZFC-400	2	2	12723	8383
	2.5	3.05	13989	8862
	3	4.09	14755	9159
AZFC-600	2.5	3.33	17135	11661
	3	4.4	18472	12155
	3.5	5.9	19541	12557
AZFC-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(Bthu)	SH(Bthu)
AZFC-200	1	0.42	6688	4343
	1.5	0.86	7924	4821
	2	1.4	8339	5010
AZFC-300	1.5	1	10090	6477
	2	1.65	11302	6946
	2.5	2.5	12085	7259
AZFC-400	2	2	14234	8957
	2.5	3.05	15517	9459
	3	4.09	16468	9841
AZFC-600	2.5	3.33	19151	12410
	3	4.4	20727	13012
	3.5	5.9	21866	13456
AZFC-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 capa.(Bthu)70c	PD(ft)	Total Heating capa.(Bthu)60c
AZFC-200	1	0.63	17517	0.65	15600
	1.5	1.3	18488	1.35	16500
	2	2.1	19000	2.26	16972
AZFC-300	1.5	1.48	25557	1.53	22788
	2	2.48	26524	2.57	23665
	2.5	3.7	27134	3.83	24229
AZFC-400	2	3	34898	3.17	31148
	2.5	4.75	35895	4.73	32056
	3	6.22	36567	6.45	32671
AZFC-600	2.5	5	48183	5.2	42950
	3	6.82	49443	7.07	44107
	3.5	9	50373	9.3	44967
AZFC-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

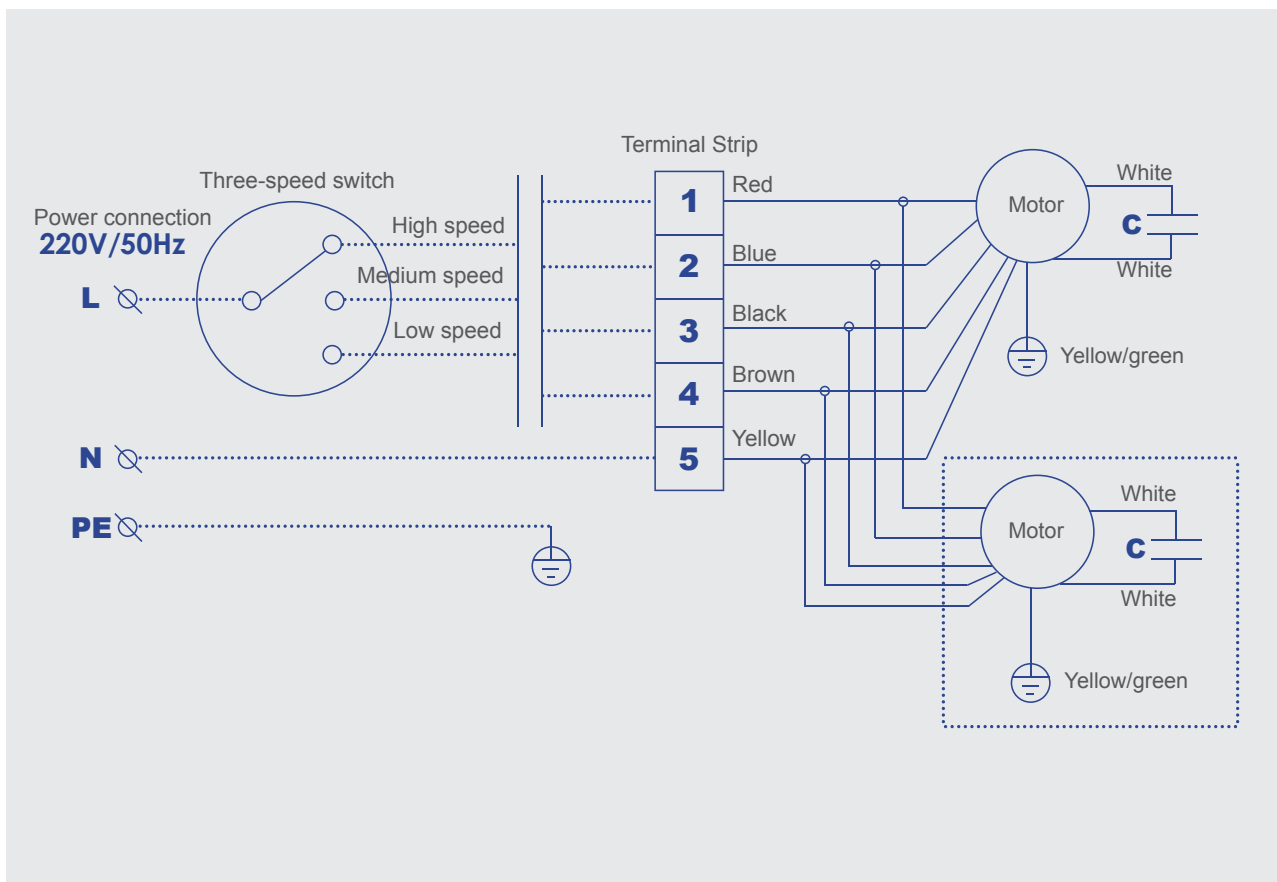
2rows

MODEL	GPM	PD(ft)	Total Heating capa.(Bthu)70c	PD(ft)	Total Heating capa.(Bthu)60c
AZFC-200	1	0.32	20788	0.32	18543
	1.5	0.65	21941	1.67	19613
	2	1.1	22533	1.13	20168
AZFC-300	1.5	0.74	30576	0.77	27300
	2	1.24	31776	1.28	28404
	2.5	1.85	32500	1.91	29075
AZFC-400	2	1.52	41749	1.58	37318
	2.5	2.28	42941	2.36	38419
	3	3.03	43736	3.14	39150
AZFC-600	2.5	2.5	58261	2.58	52028
	3	3.33	59882	3.45	53524
	3.5	4.38	61059	4.51	54593
AZFC-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.

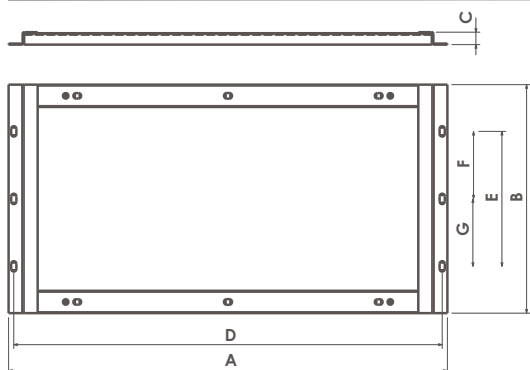


Wiring instructions:

- 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

Structure frame

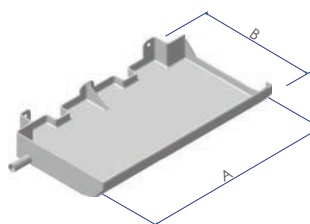
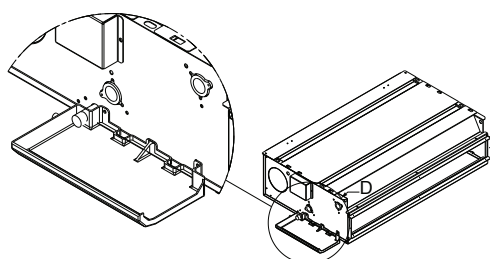
The fan coil can equipped with suitable structure frame For All models to easy installation.



MODEL	A	B	C	D	E	F	G
AZFC-200	645	440	24	625	260	130	130
AZFC-300	745	440	24	725	260	130	130
AZFC-400	845	440	24	825	260	130	130
AZFC-600	945	440	24	925	260	130	130
AZFC-800	1195	440	24	1175	260	130	130
AZFC-1000	1445	440	24	1425	260	130	130

Extra Drain Pan

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

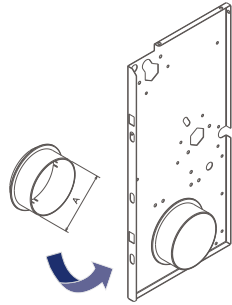


Extra drain pan		
CONNECTION SIDE	LEFT	RIGHT
SIZE (M)	A	B
	300	150

Fresh air connection

FRC

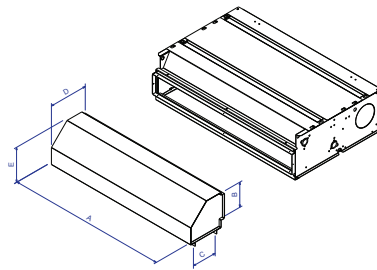
Fresh air connection (not mounted)



FRESH AIR		
CONNECTION SIDE	LEFT	RIGHT
SIZE (M)	A	B
	110	40
Standard push fit		

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.

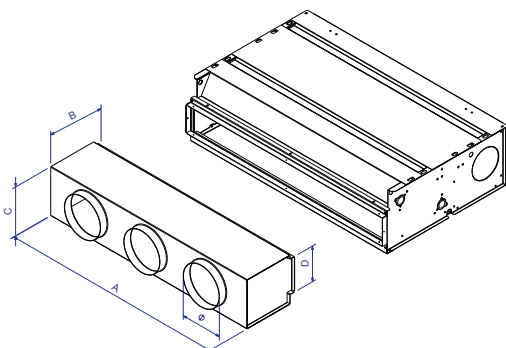


MODEL	A	B	C	D	E
AZFC-200	627	129	108	175	183
AZFC-300	727	129	108	175	183
AZFC-400	827	129	108	175	183
AZFC-600	927	129	108	175	183
AZFC-800	1177	129	108	175	183

SIZE (m)

PM Air delivery plenum

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.



MODEL	AZFC-200	AZFC-300	AZFC-400	AZFC-600	AZFC-800
NO. of spigots	3	3	4	6	8
Spigots external	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 (m)



خیابان شهید کلاهدوز (دولت) - بین بلوار کاوه و چهارراه قنات - پلاک 308 طبقه اول واحد 101

تلفن : 25441500 - 25441600