

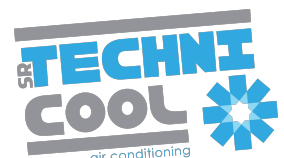
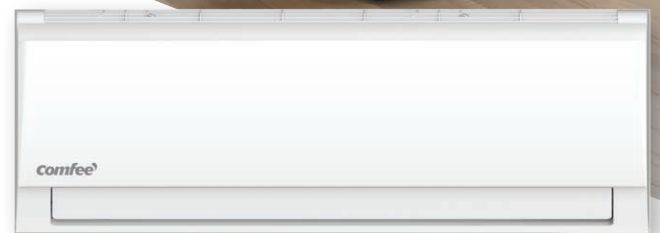
EXPERIENCE THE
ALLIANCE
DIFFERENCE



Comfee
a product of **Alliance**

Fixed Speed Midwall Split Air conditioner

- Heating and Cooling
- Flash Cooling – Cool Function Boost Function
- LED temperature display
- Self-Diagnosis
- Refrigerant Leakage Detection Protection Function
- Low noise operation



Alliance Comfee AF 3.0 Fixed Speed

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The Comfee midwall split is an attractive unit in any space. With high cooling and heating capacities, as well as an EER of 3.4 and COP of 3.60, this midwall split is suitable for climate control of large indoor areas. A low indoor noise level of 28.5 dB(A) (on low setting) ensures exceptional quietness of operation. As with all Alliance models, the Comfee range is backed by branches nationwide.



Indoor			FCMF-09	FCMF-12	FCMF-18	FCMF-24
Power supply		V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz
Cooling (Standard conditions)	Capacity	Btu/h	9000	12000	17000	22000
	Capacity	W/W	2638	3517	4982	6448
	Input	W	879	1172	1560	1896
	Current	A	3.82	5.10	6.8	8.24
	EER	W/W	3.0	3.0	3.20	3.4
Heating (Standard conditions)	Capacity	Btu/h	9300	11100	18000	22000
	Input	W	800	1015	1465	1970
	Current	A	3.5	4.5	6.4	8.6
	COP	W/W	3.41	3.21	3.60	3.27
Rated Power Input		W	1850	1950	2200	2600
Rated Current		A	10	11	13	15
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Capacity	W	3022/3045	4060/4060	5835/5875±3%	7200
	Input	W	722/745	955/995	1370/1470±3%	1665±3%
	Rated current(RLA)	A	3.18/3.22	4.35/4.20	6.40/6.30±3%	7.3±3%
	Locked rotor Amp(LRA)	A	21	25.0	38±10%	42±10%
	Thermal protector		UP3-20/HPA -518	UP3-21/HPA -522	UP3-A6/HPA-340	HPA-441H
	Thermal protector position		INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	µF	25	35	45	60
	Refrigerant oil/oil charge	ml	ESTEL OIL VG74/350	ESTER OIL VG74/320	ESTER OIL VG74 410±15	VG74 610±15
	Input	W	40	40	71	77
	Capacitor	uF	1.2	1.2	1.5	3
	Speed(Hi/Mi/Lo)	r/min	1200/950/800	1150/950/800	1180/1000/900	1200/1000/850
	Indoor coil	a.Number of rows		2	2	2
b.Tube pitch(a)x row pitch(b)		mm	21x13.37	21x13.37	21x13.37	21x13.37
c.Fin spacing		mm	1.2	1.2	1.2	1.3
d.Fin type (code)			Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
e.Tube outside dia.and type		mm	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube
f.Coil length x height x width		mm	510x84x13.37+510x105x26.74+510x84x26.74	598x84x13.37+598x105x26.74+598x105x26.74	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74
g.Number of circuits			2	3	3	4
Indoor air flow (Hi/Mi/Lo)		m³/h	520/380/310	570/450/360	776/645/574	997/792/638
Indoor noise level (Hi/Mi/Lo)		dB(A)	40/33.5/29.5	41.5/34.5/28.5	39.5/34.5/32	44/40.5/36.5
Indoor unit	Dimension(W*D*H)	mm	715x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	780x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	kg	7.7/9.8	8.5/10.6	10.9/13.8	13.2/16.2
Outdoor			FCMF-09X	FCMF-12X	FCMF-18X	FCMF-24X
Outdoor fan motor	Input	W	63.5	63	/	135
	Capacitor	uF	2	2.5	2.5	5
	Speed	r/min	810	810	860	825
Outdoor coil	a.Number of rows		1	1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x22	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.3	1.4	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube
	f.Coil length x height x width	mm	750x462x13.37	740x462x22	755*504*13.37+735*504*13.37	910*609*13.37+890*609*13.37
	g.Number of circuits		2	2	2	5
Outdoor air flow		m³/h	1800	1800	2100	3650
Outdoor noise level		dB(A)	54.5	55.5	58	60
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	995x398x740
	Net/Gross weight	kg	26.4/28.2	26.9/28.7	31.8/34.2	50/53.2
Refrigerant type		kg	R410A/0.7	R410A/0.64	R410A/1.18	R410A/1.7
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	20	20	20	25
	Max. difference in level	m	8	8	8	10
Connection wiring			1.0x5//	1.5x3/0.75x2	1.5x3/0.75x2	1.0x4//
Plug type			1.5x3/VDE	1.5x3/VDE	1.5x3/no-plug	//no-plug
Thermostat type			(Remote Control)	(Remote Control)	(Remote Control)	(Remote Control)
Operation temperature		°C	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	°C	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24
Application area (Cooling Standard)		m²	12~18	15~22	23~33	29~42
Qty/per 20' /40' /40'HQ			138/284/312	132/274/305	90/190/222	66/137/156

Alliance reserves the right to discontinue or change specifications at any time without notice and without incurring obligation. E&OE.

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air conditioning