

Experience  
the Alliance  
Difference



## NEW!

# Alliance Aqua Non-Inverter Range

- **Safety protection**- fireproof E box (indoor) and refrigerant leakage detection.
- **Dual Filter**- eliminates harmful substances, providing clean air.
- **Golden Fin**- The unique anti-corrosive golden coating on the heat exchangers can withstand the salty air, rain and other corrosive elements. It also effectively prevents bacteria from breeding and improves heat efficiency.
- **Wired Controller**- compatible with a wired controller for added convenience.
- **Smart - WiFi** control ready (dongle purchased separately).
- **Highly efficient compressor**- operates under extreme hot temperatures (up to 68°C) and extreme cold temperatures (as low as -32°C) while saving energy costs.
- **Stability protection**- can withstand voltage fluctuations (overloads) without a separate voltage stabilizer.



**Alliance**



AI Rosense

# Alliance Aqua Non-Inverter Midwall



Enjoy comfortable cooling and heating in your home with the Aqua Inverter Midwall. Designed with our weather in mind, the Golden Fin ensures your unit can withstand the harshest weather and other corrosive elements, with a golden unique anti-corrosive coating on the heat exchangers. It also effectively prevents bacteria from breeding and improves heat efficiency. This unit is equipped with 3D Airflow, which promotes even distribution of air, cooling every corner of the room and giving constant comfortable temperature.

Indoor Model			FOUS09/A	FOUS12/B	FOUS18/B	FOUS24/B
Outdoor Model			FOUS09X/A	FOUS12X/B	FOUS18X/B	FOUS24X/B
Power supply		Ph-V-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Cooling	Capacity	W	2630	3520	5010	6780
		Btu	9000	12000	18000	24000
	Input	W	819	1169	1664	2223
	Rated current	A	3.59	5.17	7.38	9.86
Heating	EER	W/W	3.21	3.01	3.01	3.05
	Capacity	W	2540	3525	5100	7000
		Btu	9000	12000	18000	24000
	Input	W	704	976	1496	2115
Max. input consumption	Rated current	A	3.08	4.32	6.64	9.38
	COP	W/W	3.61	3.61	3.41	3.31
	Max. current	W	1200	1750	2950	3000
Starting current	A	7.0	9.0	15.5	16	
Compressor	Capacity	A	20	25	41.8	55
	Input	W	2770/2790	4060/4060	5425 / 5440	7715
	Rated current(RLA)	W	660/672	955/995	1280 / 1345	1835
	Locked rotor Amp(LRA)	A	3.05/2.85	4.35/4.20	5.9 / 5.85	8.4
	Capacitor	A	20	25.0	38	55
	Input	uF	25.0	35.0	45	60
Indoor fan motor	Input	W	43.0	/	71.0	77.0
	Capacitor	uF	1.5	1.5	1.5	3
	Speed(Hi/Mi/Lo)	r/min	1200/1050/850	1100/950/800	1200/950/850	1120/1020/950
Indoor coil	Number of rows		2	2	2	2
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spaci	mm	1.3	1.3	1.2	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube
	Coil length x height x wid	mm	525x84x13.37+525x105x26.74+525x10	605x210x26.74+605x105x26.74	750x210x26.74+750x126x26.74	820x210x26.74+820x126x26.74
Number of circuits		2	2	4	4	
Indoor air flow (Hi/Mi/Lo)	m <sup>3</sup> /h		550/466/325	570/500/380	820/545/455	1121/997/911
Indoor noise level (Hi/Mi/Lo)	dB(A)		40/36/31.5	41/36/28.5	44.5/38.5/30	48.5/42/39
Indoor unit	Dimension(W*D*H)	mm	729x270x292	802x270x295	971x228x321	1082x234x337
	Packing (W*D*H)	mm	790x270x375	875x285x380	1045x305x405	1155x415x315
	Net/Gross weight	Kg	8.5/10.8	9.3/11.7	12.3/15.5	14.7/18.3
Outdoor fan motor	Input	W	63.0	63.0	/	/
	Capacitor	uF	2	2	3	5
	Speed	r/min	820	820	890	850
Outdoor coil	Number of rows		1	1	1.6	1.6
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x22	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.3	1.4	1.3
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube
	Coil length x height x width	mm	750x462x13.37	740x462x22	755*504*13.37+475*504*13.37	910*40.11*609
Number of circuits		2	2	4	5	
Outdoor air flow	m <sup>3</sup> /h		1800	1800	2200	4200
Outdoor noise level	dB(A)		54	55	58.5	59
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	995x398x740
	Net/Gross weight	Kg	26.6/28.4	27.1/28.9	34.8/37.3	52.9/55.5
Refrigerant type	Kg		R410A/0.67	R410A/0.65	R410A/1.14	R410A/1.65
Design pressure	MPa		/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	10	10	20	25
	Max. difference in level	m	8	8	8	10
Connection wiring			1.5x3/0.75x2	1.5x3/0.75x2	2.5x3/0.75x2	1.5x4//
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature	℃		17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	℃	16~32/0~30	16~32/0~30	16~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	℃	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24
Application area (Cooling Standard)	m <sup>2</sup>		11~17	15~22	23.0~33.0	29~43

Notes:

1. Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB, 24°CWB;
2. Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB, 15°CWB; Outdoor temp: 7°CDB, 6°CWB;
3. Equivalent refrigerant piping: 7.5m (horizontal).

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