

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**

# 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	
		W	1200		1750		2950		3000	
Max. current	A	7.0		9.0		15.5		16		
Starting current	A	2770/2790		25		41.8		55		
Compressor	Capacity	W	660/672		4060/4060		5425 / 5440		7715	
	Input	W	3.05/2.85		955/995		1280 / 1345		1835	
	Rated current(RLA)	A	20		4.35/4.20		5.9 / 5.85		8.4	
	Locked rotor Amp(LRA)	A	25.0		25.0		38		55	
	Capacitor	uF	43.0		35.0		45		60	
	Input	W	1.5		/		71.0		77.0	
Indoor fan motor	Capacitor	uF	1200/1050/850		1.5		1.5		3	
	Speed(Hi/Mi/Lo)	r/min	2		1100/950/800		1200/950/850		1120/1020/950	
Indoor coil	Number of rows		21x13.37		2		2		2	
	Tube pitch(ax)row pitch(b)	mm	1.3		21x13.37		21x13.37		21x13.37	
	Fin spac	mm	Hydrophilic aluminum		1.3		1.2		1.3	
	Fin type (code)	mm	Φ7,inner groove tube		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	m3/h	525x84x13.37+525x105x26.74+525x105x26.74		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)	dB(A)	40/36/31.5		570/500/380		820/545/455		1121/997/911		
Indoor noise level (Hi/Mi/Lo)	mm	725x200x292		41/36/28.5		44.5/38.5/30		48.5/42/39		
Dimension(W*D*H)	Kg	790x270x375		802x200x295		971x228x221		1082x234x337		
Packing (W*D*H)	W	8.5/10.8		875x285x380		1045x305x405		1155x415x315		
Net/Gross weight	uF	63.0		9.3/11.7		12.3/15.5		14.7/18.3		
Input	r/min	2		63.0		/		/		
Outdoor fan motor Capacitor		820		2		3		5		
Speed	mm	1		820		890		850		
Number of rows	mm	21x13.37		1		1.6		1.6		
Tube pitch(ax) row pitch(b)	mm	1.4		21x22		21x13.37		21x13.37		
Fin spacing	mm	Hydrophilic aluminum		1.3		1.4		1.3		
Outdoor coil Fin type (code)	mm	Φ7,inner groove tube		Hydrophilic aluminum		Hydrophilic aluminum		Hydrophilic aluminum		
Tube outside dia.and type	mm	750x462x13.37		Φ7,inner groove tube		Φ7,inner groove tube		Φ7,inner groove tube		
Coil length x height x width	m3/h	2		740x462x22		755*504*13.37+745*504*13.37		910*40.11*609		
Number of circuits	dB(A)	54		2		4		5		
Outdoor air flow	mm	720x270x495		1800		2200		4200		
Outdoor noise level	Kg	835x300x540		55		58.5		59		
Dimension(W*D*H)	Kg	26.6/28.4		720x270x495		765x303x555		890x342x673		
Outdoor unit Packing (W*D*H)	MPa	R410A/0.67		835x300x540		887x337x610		995x398x740		
Net/Gross weight	mm(inch)	/11.5		27.1/28.9		34.8/37.3		52.9/55.5		
Refrigerant type	m	6.35mm(1/4in)/9.52mm(3/8in)		R410A/0.65		R410A/1.14		R410A/1.65		
Design pressure	m	10		4.2/1.5		4.2/1.5		4.2/1.5		
Liquid side/ Gas side		8		6.35mm(1/4in)/12.7mm(1/2in)		6.35mm(1/4in)/12.7mm(1/2in)		9.52mm(3/8in)/15.9mm(5/8in)		
Refrigerant piping Max. refrigerant pipe length		1.5x3/0.75x2		10		20		25		
Max. difference in level		Remote Control		8		8		10		
Connection wiring		17~30		1.5x3/0.75x2		2.5x3/0.75x2		1.5x4/7		
Thermostat type		16~32/0~30		Remote Control		Remote Control		Remote Control		
Operation temperature	°C	18~43/-7~24		17~30		17~30		17~30		
Indoor(cooling/ heating)	°C	11~17		16~32/0~30		16~32/0~30		17~32/0~30		
Room temperature	°C	18~43/-7~24		18~43/-7~24		18~43/-7~24		18~43/-7~24		
Outdoor(cooling/heating)	m2	15~22		23.0~33.0		29~43				
Application area (Cooling Standard)										

## 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.