

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.
- **3D Airflow**- controls the flow and direction of the air to cool every corner of the room, giving constant comfortable temperature.
- **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**

[www.airconexperts.co.za](http://www.airconexperts.co.za)

 **AIRCON EXPERTS**  
(PTY) LTD.

# 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 anticorrosive 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			24000	
		Btu	9000	12000	18000	24000			2223	
	Input	W	819	1169	1664	2223			9,86	
	Rated current	A	3,59	5,17	7,38	9,86			3,05	
Heating	EER	W/W	3,21	3,01	3,01	3,05			7000	
	Capacity	W	2540	3525	5100	7000			24000	
		Btu	9000	12000	18000	24000			2115	
	Input	W	704	976	1496	2115			9,38	
Max. input consumption	Rated current	A	3,08	4,32	6,64	9,38			3,31	
	COP	W/W	3,61	3,61	3,41	3,31			3000	
Max. current		W	1200	1750	2950	3000			16	
Starting current		A	7.0	9.0	15.5	16			20	
Compressor	Capacity	W	20	25	41.8	55			2770/2790	
	Input	W	660/672	955/995	1280 / 1345	1835			4060/4060	
	Rated current(RLA)	A	3.05/2.85	4.35/4.20	5.9 / 5.85	8.4			955/995	
	Locked rotor Amp(LRA)	A	20	25.0	38	55			4.35/4.20	
	Capacitor	uF	25.0	35.0	45	60			25.0	
	Input	W	43.0	/	71.0	77.0			35.0	
Indoor fan motor	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			1.5	
Indoor coil	Number of rows		2	2	2	2			43.0	
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37			1.5	
	Fin spaci	mm	1.3	1.3	1.2	1.3			20	
	Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium			25.0	
	Tube outside dia.and type	mm	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube			43.0	
	Coil length x height x wid	mm	525x84x13.37+525x105x26.74+525x10	605x210x26.74+605x105x26.74	750x210x26.74+750x126x26.74	820x210x26.74+820x126x26.74			1.5	
Indoor air flow (Hi/Mi/Lo)		m3/h	550/466/325	570/500/380	820/545/455	1121/997/911			2	
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			2	
Indoor unit	Dimension(W*D*H)	mm	729x200x292	802x200x295	971x228x321	1082x234x337			2	
	Packing (W*D*H)	mm	790x270x375	875x285x380	1045x305x405	1155x415x315			2	
	Net/Gross weight	Kg	8.5/10.8	9.3/11.7	12.3/15.5	14.7/18.3			2	
	Input	W	63.0	63.0	/	/			2	
Outdoor fan motor	Capacitor	uF	2	2	3	5			2	
	Speed	r/min	820	820	890	850			2	
	Number of rows		1	1	1.6	1.6			2	
Outdoor coil	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x22	21x13.37	21x13.37			2	
	Fin spacing	mm	1.4	1.3	1.4	1.3			2	
	Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium			2	
	Tube outside dia.and type	mm	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube	Φ7, Inner groove tube			2	
	Coil length x height x width	mm	750x462x13.37	740x462x22	755*504*13.37+475*504*13.37	910*40.11*609			2	
	Number of circuits		2	2	4	5			2	
Outdoor air flow		m3/h	1800	1800	2200	4200			2	
Outdoor noise level		dB(A)	54	55	58.5	59			2	
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	890x342x673			2	
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	995x398x740			2	
	Net/Gross weight	Kg	26.6/28.4 R410A/0.67	27.1/28.9 R410A/0.65	34.8/37.3 R410A/1.14	52.9/55.5 R410A/1.65			2	
Refrigerant type		Kg	R410A/0,67	R410A/0,65	R410A/1,14	R410A/1,65			2	
Design pressure		MPa	//1.5	4.2/1.5	4.2/1.5	4.2/1.5			2	
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)			2	
	Max. refrigerant pipe length	m	10	10	20	25			2	
	Max. difference in level	m	8	8	8	10			2	
Connection wiring			1.5x3/0.75x2	1.5x3/0.75x2	2.5x3/0.75x2	1.5x4/			2	
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control			2	
Operation temperature		°C	17~30	17~30	17~30	17~30			2	
Room temperature	Indoor(cooling/ heating)	°C	16~32/0~30	16~32/0~30	16~32/0~30	17~32/0~30			2	
	Outdoor(cooling/ heating)	°C	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24			2	
Application area (Cooling standard)		m2	11~17	15~22	23.0~33.0	29~43			2	

- Notes:
- Nominal cooling capacities are based on the following conditions: Indoor temp: 27°CDB, 19°CWB; Outdoor temp: 35°CDB, 24°CWB;
  - Nominal heating capacities are based on the following conditions: Indoor temp: 20°CDB, 15°CWB; Outdoor temp: 7°CDB, 6°CWB;
  - 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.



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