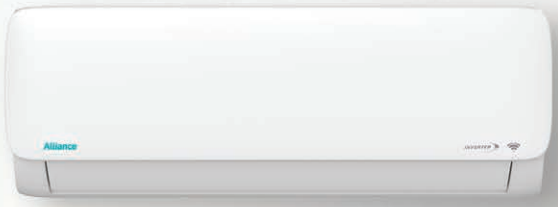
EXPERIENCE THE
ALLIANCE
DIFFERENCE



Alliance Aqua Inverter Range

- **70% energy-saving** inverter air conditioner.
- **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 and cold conditions while saving energy costs.
- **Stability protection**- can withstand voltage fluctuations (overloads) without a separate voltage stabilizer.

FIVE YEAR 5 WARRANTY

Alliance

SOS Air Conditioning Systems

"Efficiency, Sustainability and Comfort"

Alliance Aqua 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			FOUSI09/B	FOUSI12/A	FOUSI18/B	FOUSI24/B
Power supply		Ph-V-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220V,1Ph,50Hz	220V,1Ph,50Hz
Cooling	Capacity	W	2700	3420	5100	6400
		Btu	9000	12000	18000	24000
	Input	W	818	1065	1569	1994
	Rated current	A	3.59	4.68	6.89	8.76
	EER	W/W	3.3	3.21	3.3	3.21
Heating	Capacity	W	2710	3600	5200	6800
		Btu	9000	12000	18000	24000
	Input	W	751	997	1507	1884
	Rated current	A	3.30	4.38	6.62	8.27
	COP	W/W	3.61	3.61	3.45	3.61
Max. input consumption		W	2200	2200	2800	3800
Max. current		A	10.5	10.5	13.5	18
Starting current			/	/	0	0
Compressor	Capacity	W	3250	3250	4385	7600
	Input	W	834	834	1140	2045
	Rated current(RLA)	A	5.7	5.7	7.50	9.30
Indoor fan motor	Input	W	/	/	71.0	77.0
	Capacitor	uF	1.5	/	1.5	3
	Speed(Hi/Mi/Lo)	r/min	1150/890/760	1200/920/780	1200/980/870	1200/650
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 spacing	mm	1.2/1.3	1.3	1.2	1.3
	Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube
	Coil length x height x width	mm	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)		m3/h	515/371/304	552/471/436	830/590/520	1150/820/670
Indoor noise level (Hi/Mi/Lo)		dB(A)	39.9/33.5/30.5	40.5/34.5/31.0	44/36.5/32.5	48.5/41/34
Indoor unit	Dimension(W*D*H)	mm	729x200x292	802x200x295	971x228x321	1082x234x337
	Packing (W*D*H)	mm	790x270x375	875x285x380	1045x305x405	1155x415x315
	Net/Gross weight	Kg	8.2/10.5	8.8/11.3	11.8/15.2	14.1/17.8

Outdoor Model			FOUSI09X/B	FOUSI12X/A	FOUSI18X/B	FOUSI24X/B
Outdoor fan motor	Capacitor	uF	2.5	/	3	/
	Speed	r/min	870	800/700/600	890	830/700/550
Outdoor coil	Number of rows		1	1	2	1.6
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4	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	750x462x13.37	870x504x26.74	900*26.74*609
	Number of circuits		2	2	4	5
Outdoor air flow		m3/h	1800	1800	2500	3500
Outdoor noise level		dB(A)	54.2	55	57	60
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	805x330x554	890x342x673
	Packing (W*D*H)	mm	835x300x540	835x300x540	915x370x615	995x398x740
	Net/Gross weight	Kg	23.0/24.7	22.3/24.0	32.8/35.5	41.6/44.7
Refrigerant type		Kg	R410A/0.67	R410A/0.74	R410A/1.4	R410A/1.48
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	25	25	30	30
	Max. difference in level	m	10	10	20	20
Connection wiring			1.5x4//	1.5x4//	1.5x4//	1.5x4//
Plug type			1.5x3	1.5x3	1.5x3	//no-plug
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		ºC	17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	ºC	///	///	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	ºC	///	///	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)		m^2	12~18	16~23	23~34	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

SOS Air Conditioning Systems

"Efficiency, Sustainability and Comfort"