



# Alliance

**NEW**

## R410A CASSETTE

24 000 - 60 000 Btu/hr models



- *Eco-friendly R410A gas*
- *Cooling and heating*
- *Single and 3-phase models*
- *4-way airflow*
- *Indoor air flow from 871 – 1800 m<sup>3</sup>/h*
- *Backed nationwide by Alliance*

## Alliance R410A Cassette

### 24 000 – 60 000 Btu/hr (Non-Inverter)

Available in both single and 3-phase models, the new Alliance Cassette range utilises R410A gas for environmental friendliness. With 4-way airflow plus heating and cooling, these high quality Alliance Cassettes ensure quiet, cost-effective climate control for areas up to approximately 120m<sup>2</sup>, depending on varying internal heat load factors.



## SPECIFICATIONS

INDOOR UNIT			MAC-24CA	MAC-36CAS	MAC-36CA	MAC-48CA	MAC-60CA
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	380~415-3-50	380~420-3-50	380~420-3-50
Cooling	Capacity	Btu/h	24000	36000	36000	48000	60000
	Input	W	2475	3970	3850	5515	6685
	Current	A	12.5	18.17	6.8	9.52	11.55
	EER	W/W	2.87	2.66	2.74	2.55	2.63
Heating	Capacity	Btu/h	26000	40000	40000	49500	60000
	Input	W	2428	4070	3650	5410	5920
	Current	A	11.8	19.67	6.5	9.34	10.22
	COP	W/W	3.13	2.88	3.21	2.68	2.97
Indoor air flow (Hi/Med/Lo)		m <sup>3</sup> /h	1327/1114/871	1545/1354/1187	1545/1354/1187	1545/1354/1187	1800/1480/1280
Sound level (sound pressure)		dB(A)	48/45/39	50/46/42	51/47/42	51/47/43	51/47/42
Indoor unit	Dimension (WxDxH) (body)	mm	840x840x230	840x840x300	840x840x300	840x840x300	840x840x300
	Packing (WxDxH) (body)	mm	900x900x250	900x900x320	900x900x320	900x900x320	900x900x320
	Dimension (WxDxH) (panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing (WxDxH) (panel)	mm	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90	1035x1035x90
	Net/Gross weight (body)	kg	24/30	28/32	32/34	28.6/32.6	32/36
	Net/Gross weight (panel)	kg	5/8	5/8	5/8	5/8	5/8
	Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drainage water pipe dia.		mm	ØDØ32	ØDØ32	ØDØ32	ØDØ32	ØDØ32
Refrigerant piping	Liquid side/Gas side	mm	Ø9.52/Ø15.9(3/8"/5/8")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")	Ø9.52/Ø19(3/8"/3/4")
	Operation temperature						
Operation temperature	Cooling	°C	17~32	17~32	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30	0~30	0~30
OUTDOOR UNIT			MAC-24HRX	MAC-36HRX-S	MAC-36HRX	MAC-48HRX	MAC-60HRX
Power supply		V-ph-Hz	220~240-1-50	220~240-1-50	380~420-3-50	380~420-3-50	380~420-3-50
Max. input consumption		W	3450	4950	4950	6300	7500
Max. input current		A	18	30	10	10.9	12.6
Outdoor air flow (Max.)		m <sup>3</sup> /h	2700	5500	5500	6200	6500
Outdoor noise level (sound pressure)		dB(A)	59	61	61	63	63
Outdoor unit	Dimension(WxDxH)	mm	842x324x695	990x354x966	990x354x966	900x350x1170	900x350x1170
	Packing(WxDxH)	mm	965x395x755	1120x435x1100	1120x435x1100	1032x443x1307	1032x443x1307
	Net/Gross weight	kg	49.2/52.2	84.5/94.5	81/92	93.2/105	97/108
Refrigerant type/Quantity	Type		R410A	R410A	R410A	R410A	R410A
	Charged volume	kg	1.8	2.6	2.4	3.25	3.2
Design pressure		MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ9.52/φ15.9(3/8"/5/8")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")	φ9.52/φ19(3/8"/3/4")
	Max. pipe length	m	25	30	30	50	50
	Max. difference in level	m	15	20	20	25	25
Ambient temperature	Cooling	°C	18~43	18~43	18~43	18~43	18~43
	Heating	°C	-7~24	-7~24	-7~24	-7~24	-7~24

Due to Alliance's policy of constant improvement, specifications are subject to change without prior notice.

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