Alliance
emerald
ENERGY-SAVING

R32
Refrigerant

R32 Inverter Midwall Split Air conditioner

· Heating and Cooling

· Flash Cooling – Cool function Boost Function

· LED temperature display

· Self-Diagnosis

· Refrigerant Leakage Detection

· Low noise operation

· Wi-fi compatible

· Pipe-kit included

FIVE YEAR
5
WARRANTY
*on compressor only

fourways

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Alliance Emerald R32 Inverter

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The Alliance Emerald Midwall split is an elegantly designed unit that enhances any room or office space. With a high cooling and heating capacity, and high EER and COP, this midwall split is suitable for climate control, as it delivers even airflow. The unit is exceptionally quiet to operate (on a low setting) with an indoor noise level of 23.5 dB(A).

Indoor			FOUSI09-R32	FOUSI12-R32	FOUSI18-R32	FOUSI24-R32
Power supply		V-Ph-Hz	220_230V_1Ph,FREQUENCY_50HZ	220_240V_1Ph,FREQUENCY_50HZ	220V_1Ph,FREQUENCY_50HZ	220V_1Ph,FREQUENCY_50HZ
Cooling (Standard conditions)	Capacity	W	2600	3500	5300	7000
	Input	W	824	1144	1627	2220
	Current	A	3,58	5,03	7,48	9,65
	EER	W/W	3.2/A	3.1/B	3.2/A	3.2/A
Heating (Standard conditions)	Capacity	W	2600	3600	5300	7000
	Input	W	775	1015	1550	1901
	Current	A	3,44	4.5	7,1	8
	COP	W/W	3,4	3.61	3,4	3,70
Rated Power Input		W	2200	2070	2950	2850
Rated Current		A	10,5	9.2	13,5	13.5
Starting current		A	/	0	0	0
Compressor	Capacity	W	2300 ±3%	2035/3255	4385	4730
	Input	W	605 ±3%	325/826	1140	1250
	Rated current(RLA)	A	4.20 ±3%	2.40/5.65	7.50	8.10
Indoor fan motor	Input	W	43	/	71	77
	Capacitor	uF	1.5	1.5	1.5	3
	Speed(Hi/Mi/Lo)	r/min	1150/890/760	1150/940/735	1200/980/650	1200/1040/880
Indoor coil	a.Number of rows		2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.2/1.3	1.2/1.3	1.2	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø7,innergroove tube	Ø7,innergroove tube	Ø7,Inner groove tube	Ø7,Inner groove tube
	f.Coil length x height x width	mm	525x84x13.37+525x105x26.74+525x105x26.74	525x84x13.37+525x105x26.74+525x105x26.74	750x210x26.74+750x126x26.74	820x210x26.74+820x126x26.74
	g.Number of circuits		2	2	4	4
Indoor air flow (Hi/Mi/Lo)		m3/h	514/370/300	520/440/400	760/580/490	1150/940/850
Indoor noise level (Hi/Mi/Lo)		dB(A)	40.0/34/32	38.5/34.5/23.5	44.5/38/34.5	49.5/44/36.5
Indoor unit	Dimension(W*D*H)	mm	729x200x292	729x200x292	971x228x321	1082x234x337
	Packing (W*D*H)	mm	790x270x375	790x270x375	1045x305x405	1155x415x315
	Net/Gross weight	kg	8.2/10.5	8.1/10.3	11.7/15	14.1/17.8
Outdoor			FOUSI09X-R32	FOUSI12X-R32	FOUSI18X-R32	FOUSI24X-R32
Outdoor fan motor	Speed	r/min	810/700	800/700/600	850/550	900/700/550
Outdoor coil	a.Number of rows		1	1	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x22	21x13.37	21x13.37	21x22
	c.Fin spacing	mm	1.3	1.4	1.4	1.3
	d.Fin type (code)		Unhydrophilic aluminium	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube
	f.Coil length x height x width	mm	600x420x22	750x462x13.37	755*504*13.37+735*504*13.37	860*504*44
	g.Number of circuits		2	2	4	6
Outdoor air flow		m³/h	1300	1800	2100	2500
Outdoor noise level		dB(A)	52.5	56	57	57.5
Outdoor unit	Dimension(W*D*H)	mm	668x252x469	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	765x270x525	835x300x540	887x337x610	915x370x615
	Net/Gross weight	kg	18.5/19.9	21.4/23.2	27.5/29.9	33/35.6
Refrigerant type		kg	R32/0.47	R32/0.58	R32/1.02	R32/1.25
Design pressure		MPa	4.2/1.5	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/9.52mm(3/8in)	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/VDE plug	1.5x3/VDE plug	1.5x3/Argentinian 3 Pins Plug	//no-plug
Thermostat type			(Remote Control)	(Remote Control)	(Remote Control)	(Remote Control)
Operation temperature (According to remote control setting)		C°		17~30	17~30	17~30 17~30
Room temperature	Indoor(cooling/ heating)	C°	16~32/0~30	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	C°	0~50/-15~24	-15~50/-15~24	0~50/-15~24	0~50/-15~24
Application area (Cooling Standard)		m²	12~18	16~23	24~35	29~43

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