

R32 Hiwall **INVERTER** AX Series



*Wireless kit sold separately

- ➔ *Wireless enabled **

- ➔ *Self diagnostics and auto protection*

- ➔ *Turbo mode*

- ➔ *Timer*

- ➔ *Auto restart*

- ➔ *Louver position memory function*

- ➔ *Two sided water drainage option*

- ➔ *Golden anti-corrosion treatment*

- ➔ *Self-cleaning*

- ➔ *Follow me*

- ➔ *Sleep mode*

- ➔ *3m piping kit included*



*Sold separately Wifi Kit: 17310900003167 -CIAC

Indoor Model Number			CH820A-X012-H1N1C	CH820A-X012-H3N1C	CH820A-X018-H3N1C	CH820A-X024-H3N1C
Outdoor Model Number			CG820A-X012PH1N1C	CG820A-X012PH3N1C	CG820A-X018PH3N1C	CG820A-X024PH3N1C
AHRI reference number			214567071	214567070	214567073	214567072
Power supply		V-Ph-Hz	115V,1Ph,60HZ	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz	220-230V,1Ph,60Hz
Acceptable voltage operating range, (min. - max.)		VAC	103-127	187-254	187-254	187-254
Cooling (Standard conditions)	Capacity range	Btu/hr	(3000~13000)	(3000~13000)	(4700~18000)	(5300~24300)
	Input (range)	W	1270(120~1300)	1150(110~1350)	1560(120~1650)	1930(115~2230)
	Current (range)	A	13.0(1.8~15.5)	7.6(1.7~9.8)	6.78(0.5~7.2)	9.0(0.9~9.9)
Performance as per AHRI	Rated Capacity	Btu/hr	12000	12000	17000	22000
	EER	Btu/hr/W	9.45	10.45	10.9	11.40
	SEER	Btu/hr/W	17	17	19	20
	EER2	Btu/hr/W	9.00	10.45	10.9	11.40
	SEER2	Btu/hr/W	17	17	19	20
Max Rated Current		A	17.0	13.0	13.5	14
Compressor	Model		KSK103D32UEZ31	KSK103D32UEZ31	KSK103D33UEZ3	KSN140D21UFZ
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	W	2020/3245	2020/3245	2035/3255	4385
	Input	W	332/850	332/850	325/826	1140
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 280 ±10	ESTER OIL VG74 280 ±10	ESTER OIL VG74 310	ESTER OIL VG74 440
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5	ZKFP-58-8-20L
	Input	W	46	47.4	58.5	58
	Speed(Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1200/1000/800	1200/1000/800
Indoor air flow (Hi/Mi/Lo)		m3/h	593/455/337	593/455/337	818/639/515	980/750/610
Indoor noise level (Hi/Mi/Lo)		dB(A)	41.0/35.0/26.5	41.0/34.5/29.0	43.5/37.5/29.5	47/41/35
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	kg	7.7/10.0	7.7/9.9	10.4/13.3	12.2/15.6
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-34-10-1L
	Speed	r/min	850/600	850/600	810/450	900/700/550
Outdoor air flow		m3/h	1800	1800	2100	2500
Outdoor sound level		dB(A)	54.0	55.0	55	57
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	842x357x550	842x357x550	885x375x605	940x410x605
	Net/Gross weight	kg	22.18/24.66	20.68/23.06	25.78/28.66	30.47/33.54
Refrigerant type		kg	R32			
Refrigerant charge		kg	0.4	0.4	0.62	0.75
Additional charge per metre		g/m	12	12	12	24
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)			9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25			30
	Max. difference in level	m	10			20
Connection wiring			16#x4//			
Plug type			no-plug			
Thermostat type			Remote Control			
Operation temperature		°C	17~30			
Room temperature	Indoor(cooling/ heating)	°C	17~32			
	Outdoor(cooling/heating)	°C	0~50			
Application area (Cooling Standard)		m ²	16~23	16~23	23~33	29~43
Load quantity 40' HQ container			270	270	210	186