

# R32 Hiwall *INVERTER* AX Series



\*Wireless kit sold separately

→ *Wireless enabled \**

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→ *Self diagnostics and auto protection*

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→ *Turbo mode*

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→ *Timer*

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→ *Auto restart*

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→ *Louver position memory function*

→ *Two sided water drainage option*

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→ *Golden anti corrosion treatment*

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→ *Self-cleaning*

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→ *Follow me*

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→ *Sleep mode*

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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
Voltage range min. - max.		VAC	103-127	187-254	187-254
Cooling (Standard conditions)	Capacity range	Btu/hr	(3000~13000)	(3000~13000)	(4700~18000)
	Input (range)	W	1270(120~1300)	1150(110~1350)	1560(120~1650)
	Current (range)	A	13.0(1.8~15.5)	7.6(1.7~9.8)	6.78(0.5~7.2)
Performance as per AHRI	Rated Capacity	Btu/hr	12000	12000	17000
	EER (AHRI 210/240 - 2017)	Btu/hr/W	9.45	10.45	10.9
	SEER (AHRI 210/240 - 2017)	Btu/hr/W	17	17	19
	EER2 (AHRI 210/240 - 2023)	Btu/hr/W	9.00	10.45	10.9
	SEER2 (AHRI 210/240 - 2023)	Btu/hr/W	17	17	19
Max Rated Current		A	17.0	13.0	13.5
Compressor	Model		KSK103D32UEZ31	KSK103D32UEZ31	KSK103D33UEZ3
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	2020/3245	2020/3245	2035/3255
	Input	W	332/850	332/850	325/826
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 280 ±10	ESTER OIL VG74 280 ±10	ESTER OIL VG74 310
Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5
	Input	W	46	47.4	58.5
	Speed(Hi/Mi/Lo)	r/min	1180/950/750	1180/950/750	1200/1000/800
Indoor air flow (Hi/Mi/Lo)		m3/h	593/455/337	593/455/337	818/639/515
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
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385
	Net/Gross weight	kg	7.7/10.0	7.7/9.9	10.4/13.3
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-25-10-5L
	Speed	r/min	850/600	850/600	810/450
Outdoor air flow		m3/h	1800	1800	2100
Outdoor sound level		dB(A)	54.0	55.0	55
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555
	Packing (W*D*H)	mm	842x357x550	842x357x550	885x375x605
	Net/Gross weight	kg	22.18/24.66	20.68/23.06	25.78/28.66
Refrigerant type		kg	R32		
Refrigerant charge		kg	0.4	0.4	0.62
Additional charge per metre		g/m	12	12	12
Design pressure		MPa	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
Refrigerant Piping Kit		m	3m Piping kit included		
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 <sup>2</sup>	16~23	16~23	23~33
Load quantity 40' HQ container			270	270	210