

# Hiwall *INVERTER* AX Series



UP TO  
18 SEER

→ Turbo Mode

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→ Temperature Compensation

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→ Auto Swing

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→ Refrigerant Leak Protection

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→ Timer

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→ Golden anti-corrosion treatment in indoor and outdoor unit

→ Do Not Disturb

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→ Self-diagnosis and Auto-protection

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→ High Density Filter

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→ Louver Position Memory Function

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→ Self-cleaning

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→ Wireless connection capable\*





\*Wifi Kit PN: 17310900003167-CIAC

Outdoor Unit Model			CG418A-X012PH1N1C	CG418A-X012PH3N1C	CG418A-X018PH3N1C	CG418A-X024PH3N1C
Indoor Unit Model			CH418A-X012-H1N1C	CH418A-X012-H3N1C	CH418A-X018-H3N1C	CH418A-X024-H3N1C
Power supply		V-Ph-Hz	115V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz	220-230V, 1Ph, 60Hz
Cooling (Standard conditions)	Rated Capacity	Btu/h	12000	12000	17000	22000
	Capacity Range	Btu/h	4800~13200	4800~13200	6800~18700	8800~24200
	Input	W	1180	1180	1550	2060
	Current	A	10.4	5.2	6.8	9.1
	SEER2	Btu/hr/W	18.0	18.0	17.0	17.0
	EER	W/W	2.98	2.98	3.20	2.99
Rated Power Input		W	1850	2100	2950	3050
Rated Current		A	10.4	5.2	6.8	9.1
Starting current		A	15	8	/	0
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KTN150D30UFZA
	Type		ROTARY			
	Brand		GMCC			
	Rated current (RLA)	A	2.40/5.65	2.40/5.65	2.40/5.65	8.10
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 450
	Indoor fan motor	Model		YKFG-15-4-28-1	YKFG-20-4-10L	YKFG-28-4-6-5
Input		W	46.0	47.4	58.5	58.0
Capacitor		uF	3	1.5	1.5	/
Speed(Hi/Mi/Lo)		r/min	1180/950/750	1180/950/750	1200/1000/800	1200/1000/800
Indoor coil	Number of rows		2	2	2	2
	Fin spacing	mm	1.2	1.2	1.2	1.3
	Fin type (code)		Hydrophilic aluminum			
	Tube outside dia.and type	mm	Φ5, Inner groove tube			
	Number of circuits		4	4	3	4
Indoor air flow (Hi/Mi/Lo)		m <sup>3</sup> /h	593/455/337	609/470/350	818/639/515	980/750/610
Indoor sound level (Hi/Mi/Lo)		dB(A)	40/33.5/27.5	40/33.5/26	43.5/37/30.5	46/40.5/34
Indoor unit	Dimension(W*D*H)	mm	805x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	kg	7.7/9.8	7.7/9.8	10.4/13.3	12.3/15.6
Outdoor fan motor	Model		ZKFN-20-8-1	ZKFN-20-8-1	YKT-48-6-214-1	ZKFN-56-8-1
	Speed	r/min	850/600	850/600	810	900/700/600
Outdoor coil	Number of rows		1	1	2.0	2
	Fin spacing	mm	1.2			
	Fin type (code)		Unhydrophilic aluminium			
	Tube outside dia.and type	mm	Φ5, Inner groove tube			
	Number of circuits		2	2	2	4
Outdoor air flow		m <sup>3</sup> /h	1800	1800	2100	2500
Outdoor sound level		dB(A)	55	55	56.5	56.5
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	915x370x615
	Net/Gross weight	kg	22.3/24	21.1/22.8	26.5/28.9	30.1/32.6
Refrigerant type		kg	R410A/0.51	R410A/0.51	R410A/0.82	R410A/1.06
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)/12.7mm(1/2in)	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			16#x4			
Plug type			no-plug			
Control 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 z~23	23 ~ 33	28 ~ 41
Qty'per 20' /40' /40'HQ			132/274/270	132/274/270	90/190/205	83/169/180