

# Hiwall *INVERTER* WX Series



UP TO  
21.5 SEER2

\*Appearance may vary

*Triple-Layer Anti-Rust Protection*

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*Stability Protection*

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*Intelligent Dusting Switch*

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*Gear Shift*

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*High-Efficiency Cooling Tube*

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*High-Efficiency Fan Blades*

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*i-Clean Technology*

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*Dual Filtration*

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*ECO Mode*

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*Sleep Mode / Do Not Disturb*

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*Golden anti-corrosion treatment  
in the indoor and outdoor unit*

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*Turbo Mode*

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*Auto Swing*

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*Refrigerant Leak Protection*

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*Fire-proof Electric Box*

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Indoor Model		CH43WX012-H1N1C	CH43WX009-H3N1C	CH43WX012-H3N1C	CH43WX018-H3N1C
Outdoor Model		CG43WX012PH1N1C	CG43WX009PH3N1C	CG43WX012PH3N1C	CG43WX018PH3N1C
Power supply		V-Ph-Hz	115V,1Ph,60Hz	208/230V,1Ph,60Hz	208-230V,1Ph,60Hz
Cooling (Standard conditions)	Nominal Capacity	Btu/h	11500 (3300~12500)	9000 (2800~11000)	11500 (7030~12500)
	Input	W	965	720	957
	Current	A	8.5	3.13	7.00
	SEER2	Btu/hr/W	21.0	20.5	21.5
	EER	W/W	3.49	3.66	3.52
Rated Power Input		W	1850	2100	2200
Rated Current		A	16.5	9.5	13.5
Starting current		A	15	0	0
Indoor-Minimum Circuit Ampacity		A	3.0A	3.0A	3.0A
Indoor- Max. Fuse		A	15.0A	15.0A	15.0A
Outdoor-Minimum Circuit Ampacity		A	18.0A	11.0A	15.5A
Outdoor- Max. Fuse		A	30.0A	15.0A	20.0A
Compressor	Model		KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3
	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
	Capacity	W	2035/3255	2035/3255	2035/3255
	Input	W	325/826	325/826	325/826
	Rated current(RLA)	A	2.40/5.65	2.40/5.65	2.40/5.65
	Thermal protector position		NA	NA	NA
Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 310	
Indoor fan motor	Model		ZKFP-20-8-113	ZKFP-13-8-4	ZKFP-13-8-4-17
	Input	W	35.0	/	/
	Current	A	0.28A	0.05A	0.06A
	Speed(Hi/Mi/Lo)	r/min	1200/1040/960	1050/810/690	1200/1040/960
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	19.5x11.6
	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	605x210x26.74+605x105x26.74	525x84x13.37+525x105x26.74+525x105x26.74	607x195x23.2+607x117x23.2
	g.Number of circuits		2	2	4
Indoor air flow (Hi/Mi/Lo)		m <sup>3</sup> /h	566/430/360	419/350/250	550/395/330
Indoor noise level (Hi/Mi/Lo)		dB(A)	40.5/35.5/33	35.0/31.0/22.5	40.5/36.0/26.5
Indoor unit	Dimension(W*D*H)	mm	802x200x295	729x200x292	802x200x295
	Packing (W*D*H)	mm	875x285x380	790x270x375	875x285x380
	Net/Gross weight	kg	8.7/11.1	7.88/10.11	8.0/10.4
Outdoor fan motor	Model		ZKFN-34-8-1	ZKFN-34-10-1-3	ZKFN-25-10-5L
	Input	W	/	/	/
	Current	A	0.62A	0.69A	0.76A
	Speed	r/min	850/600	850/500	850/600
Outdoor coil	a.Number of rows		1	1	2.0
	b.Tube pitch(a)x row pitch(b)	mm	14.5x12.56	19.5x11.6	14.5x12.56
	c.Fin spacing	mm	1.2	1.2	1.2
	d.Fin type (code)		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube
	f.Coil length x height x width	mm	750x464x12.56	740x468x11.6	750x464x12.56
	g.Number of circuits		2	2	2
Outdoor air flow		m <sup>3</sup> /h	1800	1800	1800
Outdoor noise level		dB(A)	54	53.5	53.5
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	720x270x495	720x270x495
	Packing (W*D*H)	mm	835x300x540	835x300x540	835x300x540
	Net/Gross weight	kg	23/24.7	21.49/23.16	21.2/23.0
Refrigerant type		kg	R410A/0.66	R410A/0.57	R410A/0.63
Design pressure		MPa	4.2/1.5	///	///
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)
	Max. refrigerant pipe length	m	25	25	25
	Max. difference in level	m	10	10	10
Connection wiring			16#x4//	16#x4//	16#x4//
Plug type			//no-plug	//no-plug	//no-plug
Thermostat type			(Remote Control)		
Operation temperature		°C	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C	16~32//	16~32//	16~32//
	Outdoor(cooling/heating)	°C	0~50//	0~50//	0~50//
Application area (Cooling Standard)		m <sup>2</sup>	15~22	12~18	15~22
Qty'per 20' /40' /40'HQ			130/276/302	138/282/312	130/276/302



Indoor Model		CH43WX024-H3N1C	CH43WX036-H3N1H
Outdoor Model		CG43WX024PH3N1C	CG43WX036PH3N1H
Power supply		V-Ph-Hz	208-230V,1Ph,60Hz
Cooling (Standard conditions)	Nominal Capacity	Btu/h	22000 (9700~24750)
	Input	W	2150
	Current	A	9.3
	SEER2	Btu/hr/W	20.0
	EER	W/W	3.00
Rated Power Input		W	2850
Rated Current		A	13.5
Starting current		A	0
Indoor-Minimum Circuit Ampacity		A	3.0A
Indoor- Max. Fuse		A	15.0A
Outdoor-Minimum Circuit Ampacity		A	16.0A
Outdoor- Max. Fuse		A	20.0A
Compressor	Model		KSN140D58UFZ
	Type		ROTARY
	Brand		GMCC
	Capacity	W	4315
	Input	W	1090
	Rated current(RLA)	A	7.15
	Thermal protector position		NA
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 440
Indoor fan motor	Model		ZKFP-58-8-1-5
	Input	W	58.0
	Current	A	0.21A
	Speed(Hi/Mi/Lo)	r/min	1100/650
Indoor coil	a.Number of rows		2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37
	c.Fin spacing	mm	1.3
	d.Fin type (code)		Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,Inner groove tube
	f.Coil length x height x width	mm	820x210x26.74+820x126x26.74
	g.Number of circuits		4
Indoor air flow (Hi/Mi/Lo)		m3/h	1000/800/680
Indoor noise level (Hi/Mi/Lo)		dB(A)	47.5/39.5/36
Indoor unit	Dimension(W*D*H)	mm	1082x234x337
	Packing (W*D*H)	mm	1155x415x315
	Net/Gross weight	kg	13.6/17.1
Outdoor fan motor	Model		ZKFN-34-10-1-3
	Input	W	/
	Current	A	0.89A
	Speed	r/min	810/700/550
Outdoor coil	a.Number of rows		2
	b.Tube pitch(a)x row pitch(b)	mm	19.5x11.6
	c.Fin spacing	mm	1.2
	d.Fin type (code)		Unhydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ5,Inner groove tube
	f.Coil length x height x width	mm	875x507x23.2
	g.Number of circuits		4
Outdoor air flow		m3/h	2300
Outdoor noise level		dB(A)	56.5
Outdoor unit	Dimension(W*D*H)	mm	805x330x554
	Packing (W*D*H)	mm	915x370x615
	Net/Gross weight	kg	30.5/33.1
Refrigerant type		kg	R410A/37.74
Design pressure		MPa	///
Refrigerant pipin	Liquid side/ Gas side	mm(inch)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	30
	Max. difference in level	m	20
Connection wiring			16#x4//
Plug type			//no-plug
Thermostat type			(Remote Control)
Operation temperature		°C	17~30
Room temperature	Indoor(cooling/ heating)	°C	16~32//
	Outdoor(cooling/heating)	°C	0~50//
Application area (Cooling Standard)		m <sup>2</sup>	29~43
Qty'per 20' /40' /40'HQ			78/168/194



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