

Hiwall *INVERTER* WX Series



UP TO
21.5 SEER

*Appearance may vary

Triple-Layer Anti-Rust Protection

Stability Protection

Intelligent Dusting Switch

Gear Shift

High-Efficiency Cooling Tube

High-Efficiency Fan Blades

i-Clean Technology

Dual Filtration

ECO Mode

Sleep Mode / Do Not Disturb

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

Turbo Mode

Auto Swing

Refrigerant Leakage Detection

Fire-proof Electric Box

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	208-230V,1Ph,60Hz
Cooling (Standard conditions)	Nominal Capacity	Btu/h 11500 (3300~12500)	9000 (2800~11000)	11500 (7030~12500)	17500 (9500~18125)
	Input	W 965	720	957	1570
	Current	A 8.5	3.13	7.00	6.8
	SEER2	Btu/hr/W 21.0	20.5	21.5	21.0
	EER	W/W 3.49	3.66	3.52	3.30
Rated Power Input		W 1850	2100	2200	2950
Rated Current		A 16.5	9.5	13.5	13.5
Starting current		A 15	0	0	/
Indoor-Minimum Circuit Ampacity		A 3.0A	3.0A	3.0A	3.0A
Indoor- Max. Fuse		A 15.0A	15.0A	15.0A	15.0A
Outdoor-Minimum Circuit Ampacity		A 18.0A	11.0A	15.5A	16.0A
Outdoor- Max. Fuse		A 30.0A	15.0A	20.0A	20.0A
Compressor	Model	KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KSN140D58UFZ
	Type	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC
	Capacity	W 2035/3255	2035/3255	2035/3255	4315
	Input	W 325/826	325/826	325/826	1090
	Rated current(RLA)	A 2.40/5.65	2.40/5.65	2.40/5.65	7.15
	Thermal protector position	NA	NA	NA	NA
	Refrigerant oil/oil charge	ml ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 310	ESTER OIL VG74 440
Indoor fan motor	Model	ZKFP-20-8-113	ZKFP-13-8-4	ZKFP-13-8-4-17	ZKFP-30-8-3-10
	Input	W 35.0	/	/	36.0
	Current	A 0.28A	0.05A	0.06A	0.11A
	Speed(Hi/Mi/Lo)	r/min 1200/1040/960	1050/810/690	1200/1040/960	1200/650
Indoor coil	a.Number of rows	2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm 21x13.37	21x13.37	19.5x11.6	21x13.37
	c.Fin spacing	mm 1.3	1.3	1.3	1.2
	d.Fin type (code)	Hydrophilic aluminum	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	Φ7,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	750x210x26.74+750x126x26.74
	g.Number of circuits	2	2	4	4
Indoor air flow (Hi/Mi/Lo)		m3/h 566/430/360	419/350/250	550/395/330	800/600/520
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	46/38.5/31.5
Indoor unit	Dimension(W*D*H)	mm 802x200x295	729x200x292	802x200x295	971x228x321
	Packing (W*D*H)	mm 875x285x380	790x270x375	875x285x380	1045x305x405
	Net/Gross weight	kg 8.7/11.1	7.88/10.11	8.0/10.4	11.2/14.4
Outdoor fan motor	Model	ZKFN-34-8-1	ZKFN-34-10-1-3	ZKFN-25-10-5L	ZKFN-34-10-1-3
	Input	W /	/	/	/
	Current	A 0.62A	0.69A	0.76A	0.89A
	Speed	r/min 850/600	850/500	850/600	810/700/600
Outdoor coil	a.Number of rows	1	1	1	2.0
	b.Tube pitch(a)x row pitch(b)	mm 14.5x12.56	19.5x11.6	14.5x12.56	19.5x11.6
	c.Fin spacing	mm 1.2	1.2	1.2	1.2
	d.Fin type (code)	Unhydrophilic aluminium	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	Φ5,Inner groove tube
	f.Coil length x height x width	mm 750x464x12.56	740x468x11.6	750x464x12.56	760x507x11.6+742x507x11.6
	g.Number of circuits	2	2	2	2
Outdoor air flow		m3/h 1800	1800	1800	2100
Outdoor noise level		dB(A) 54	53.5	53.5	55.5
Outdoor unit	Dimension(W*D*H)	mm 720x270x495	720x270x495	720x270x495	765x303x555
	Packing (W*D*H)	mm 835x300x540	835x300x540	835x300x540	887x337x610
	Net/Gross weight	kg 23/24.7	21.49/23.16	21.2/23.0	27.9/30.3
Refrigerant type		kg R410A/0.66	R410A/0.57	R410A/0.63	R410A/0.9
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)	6.35mm(1/4in)/12.7mm(1/2in)
	Max. refrigerant pipe length	m 25	25	25	30
	Max. difference in level	m 10	10	10	20
Connection wiring		16#x4//	16#x4//	16#x4//	16#x4//
Plug type		//no-plug	//no-plug	//no-plug	//no-plug
Thermostat type		(Remote Control)			
Operation temperature		°C 17~30	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C 16~32//	16~32//	16~32//	16~32//
	Outdoor(cooling/heating)	°C 0~50//	0~50//	0~50//	0~50//
Application area (Cooling Standard)		m ² 15~22	12~18	15~22	23~34
Qty'per 20' /40' /40'HQ		130/276/302	138/282/312	130/276/302	88/186/220

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 ²	29~43
Qty'per 20' /40' /40'HQ			78/168/194



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