

CONDENSING UNIT
Vertical Discharge
60 Hz
R410A



R-410A
 REFRIGERANT

* 36KBTU model has a different grill

Model		CA41A-036-V3N1C*	CA41A-048-V3N1C	CA41A-060-V3N1C	CA41A-060-V5N1C	
Power supply	V-Ph-Hz	220~1-60	220~1-60	220~1-60	220~3-60	
Max. input consumption	W	5062	6937	7625	7700	
Max. current	A	23	31.5	34.6	23.4	
Compressor	Model	ATH3565N-C9LU	C-SBP140H16A	C-SBP160H16A	C-SBP160H36A	
	Type	Rotary	Scroll	Scroll	Scroll	
	Brand	Hitachi	Panasonic	Panasonic	Panasonic	
	Capacity	Btu/h	35314	48792	53910	54933
	Input	W	3680	4950	5650	5500
	Rated current(RLA)	A	18	22.3	25.8	18.1
	Locked rotor Amp(LRA)	A	85	139	139	153
	Thermal protector position		/	Internal	Internal	Internal
	Capacitor	uF	/	60uF/450V	60uF/450V	/
Refrigerant oil	ml	880	1400	1400	1700	
Outdoor fan motor	Model				YKSJ-230-6-2L	
	Old Model	YDK160-6B	YDK230-6F-1(B)	YDK230-6F-1(B)		
	Qty	1	1	1	1	
	Input	W	300	310	300	
	Capacitor	uF	6	12μF/450V	12μF/450V	---
	Speed	r/min	1100	1095	1095	1095
Outdoor coil	Number of rows	1	1	1	1	
	Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	
	Fin spacing	mm	1.3	1.3	1.3	
	Fin type		Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium	Unhydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,inner groove copper tube	Φ7,inner grooved tube	Φ7,inner grooved tube	Φ7,inner grooved tube
	Coil length x height x width	mm	1588x714x13.37	2028x714x13.37	2028x798x13.37	2028x798x13.37
	Number of circuits		5	5	5	5
Outdoor air flow	m ³ /h	5100	7400	7400	7400	
Outdoor noise level (sound pressure)	dB(A)	67	65	64	64	
Outdoor unit	Dimension(WxDxH)	mm	600x600x759	710x710x759	710x710x843	710x710x843
	Packing (WxDxH)	mm	628x628x794	738x738x794	738x738x872	738x738x872
	Net/Gross weight	kg	54.2/57.8	79/83.5	80/85	80/85
Refrigerant	Type		R410A	R410A	R410A	R410A
	Charged volume	kg	1.65	2.1	2.2	2.2
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	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. refrigerant pipe length	m	30	50	50	50
	Max. difference in level	m	20	25	25	25
Ambient temperature	Cooling	°C	0~50	18~43	18~43	18~43
	Heating	°C	/	/	/	/
Qty/per 20' /40' /40'HQ (outdoor unit)			54/114/171	42/96/144	42/96/142	42/96/142



CONCEALED 60HZ
FAN COIL UNIT / A SERIES



FAN COIL UNIT / 60HZ

R-410A
REFRIGERANT

Indoor unit model number			CC41A-036-E3N1C	CC41A-060-E3N1C
Power supply		V-ph-Hz	220~1-60	220~1-60
Cooling	Capacity	Btu/h	36000	55000
	Input	W	3950	6200
	Current	A	18.08	28.5
	Qty		1	1
	Input	W	235/195/173	235/195/173
	Input	HP	0.315/0.261/0.23	0.315/0.261/0.232
	Capacitor	uF	10uF/450V	10uF/450V
	Speed(Hi/Med/Lo)	r/min	1060/910/820	1060/910/820
	Number of rows		3	4
	Tube pitch(a)*row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.5
Indoor coil	Fin type		Hydrophilic aluminium	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,inner grooved tube	Φ7, inner groove tube
	Coil length * height * width	mm	955x336x40.11	1030x378x53.48
	Number of circuits		8	8
Indoor air flow (Hi/Med/Lo)		m ³ /h	1757/1478/1303	
Indoor air flow		CFM	1034/870/767	
ESP	Rated	Pa	37	50
	Range	Pa	0-80	0-100
Indoor noise level (Hi/Med/Lo)		dB(A)	48/44/40	47/44/40
Throttle type			Throttle valve	Throttle valve
Piston size		mm	1.981	1.981
Indoor unit	Dimension (WxDxH)	mm	1140x775x270	1200x865x300
	Packing(WxDxH)	mm	1355x795x350	1405x920x373
	Net/Gross weight	kg	36/43	45.4/53.5
Design pressure		MPa	4.2/1.5	4.2/1.5
Drainage water pipe diameter		mm	ODΦ25	ODΦ25
Refrigerant				
piping Liquid side/ Gas side		mm	Φ9.52/ Φ19(3/8"/3/4")	Φ9.52/ Φ19(3/8"/3/4")
Control type			Wired control	Wired control
Operation temperature		C°	17~30	17~30
Room temperature	Cooling	C°	17~32	17~32
	Heating	C°	/	/
Qty'per 20' /40' /40'HQ		Indoor	75/153/170	60/126/147



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Hiwall *INVERTER* WX Series



UP TO
21.5 SEER2

*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 Leak Protection

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
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 ³ /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 ³ /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 ²	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 ²	29~43
Qty'per 20' /40' /40'HQ			78/168/194



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