



R32 Hiwall *INVERTER* BX Series



**Wireless kit sold separately*

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| ⇒ <i>Wireless enabled *</i> | ⇒ <i>Two sided water drainage option</i> |
| ⇒ <i>Self diagnostics and auto protection</i> | ⇒ <i>Golden anti-corrosion treatment</i> |
| ⇒ <i>Turbo mode</i> | ⇒ <i>Self-cleaning</i> |
| ⇒ <i>Timer</i> | ⇒ <i>Follow me</i> |
| ⇒ <i>Auto restart</i> | ⇒ <i>Sleep mode</i> |
| ⇒ <i>Louver position memory function</i> | ⇒ <i>3m piping kit included</i> |



*Sold separately Wifi Kit: 17310900003167 -CIAC

Indoor Model Number			CH820B-X012-HDN1C	CH820B-X012-HYN1C	CH820B-X018-HYN1C	CH820B-X024-HYN1C
Outdoor Model Number			CG820B-X012PHDN1C	CG820B-X012PHYN1C	CG820B-X018PHYN1C	CG820B-X024PHYN1C
Power supply from		/	Outdoor unit			
Power supply		V-Ph-Hz	115V,1Ph,50/60Hz	220-230V,1Ph,50/60Hz	220-230V,1Ph,50/60Hz	220-230V,1Ph,50/60Hz
Acceptable voltage operating range		Min / Max	103 - 127	187 - 254	187 - 254	187 - 254
Cooling (AHRI Standard conditions)	Capacity	Btu/h	12000	12000	17500	22000
	Range		2050~13480	2050~14010	4100~18800	5300~23900
	Input	W	1070	1060	1500	2000
	Range		160~1290	160~1410	150~1600	115~2180
	Current	A	11.5	4.7	6.7	9.0
	Range		2.1~13.6	2.1~6.3	0.7~7.1	1.0~9.5
	EER2	BTUH/W	12.0	12.0	11.5	11.5
	SEER2	/	22.0	21.0	22.0	20.5
Rated Power Input		W	1650	2160	3000	3450
Rated Current		A	17.0	10	14.0	16.0
Compressor	Model		KSK103D32UEZ31	KSK103D32UEZ31	KSK103D33UEZ3	KSN140D21UFZ
	Type		ROTARY			
	Brand		GMCC			
	Capacity	W	2020/3245 ±3%	2020/3245 ±3%	2035/3255	4385
	Input	W	332/850 ±3%	332/850 ±3%	325/826	1140
	Refrigerant oil / oil charge	ml	ESTER OIL VG74 / 280 ±10	ESTER OIL VG74 /280 ±10	ESTER OIL VG74 / 310	VG74 / 440
Indoor fan motor	Model		ZKFP-20-8-113	ZKFP-30-8-357L	ZKFP-30-8-297L	ZKFP-58-8-20L
	Speed(Hi/Mi/Lo)	r/min	1200/1040/960	1200/1040/960	1250/900/750	1150/1030/970
Indoor coil	Number of rows		2			
	Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	21x13.37	21x13.37
	Fin spacing	mm	1.3	1.3	1.2	1.3
	Fin type		Hydrophilic aluminum			
	Tube outside dia. / type	mm	Φ5 / Inner groove tube			
	Number of circuits		4			
Indoor air flow (Hi/Mi/Lo)		m3/h	650/550/500	650/550/500	800/600/520	1000/800/680
Indoor sound level (Hi/Mi/Lo)		dB(A)	43/38/36	43/38/36	45/40/30	48/41/33
Indoor unit	Unit Dimension (WxDxH)	mm	802x200x295	802x200x295	971x228x321	1082x234x337
	Packing (W*D*H)	mm	875x285x380	875x285x380	1045x305x405	1155x415x315
	Weight Net / Gross	kg	8.2/10.7	8.2/10.7	11.0/14.2	13.3/17.0
Outdoor fan motor	Model		ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-25-10-5L	ZKFN-34-10-1L-1
	Speed	r/min	800/600	850/600	810/450	900/700/550
Outdoor coil	Number of rows		1	1	1.6	1.6
	Tube pitch(a)x row pitch(b)	mm	19.5x11.6	19.5x11.6	19.5x11.6	19.5x11.6
	Fin spacing	mm	1.2			
	Fin type		Unhydrophilic aluminium			
	Tube outside dia. / type	mm	Φ5 / Inner groove tube			
	Number of circuits		2	2	4	2
Outdoor air flow		m3/h	1800	1800	2100	2500
Outdoor sound level		dB(A)	54	54	54	59
Outdoor unit	Unit Dimension (WxDxH)	mm	720x270x495	720x270x495	765x303x555	805x330x554
	Packing (W*D*H)	mm	835x300x540	835x300x540	887x337x610	915x370x615
	Weight Net / Gross	kg	20.5/22.4	19.3/21.2	23.5/26.0	27.7/30.4
Refrigerant type / charge		kg	R32/0.50	R32/0.50	R32/0.62	R32/0.75
Design pressure		MPa	4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7
Refrigerant piping	Liquid / Vapor	mm(inch)	6.35mm(1/4") / 9.52mm(3/8")	6.35mm(1/4") / 9.52mm(3/8")	6.35mm(1/4") / 12.7mm(1/2")	9.52mm(3/8") / 15.9mm(5/8")
	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			
Thermostat type			Remote Control			
Operation temperature		°C	16~30	16~31	16~32	16~33
Room temperature range	Indoor(cooling)	°C	16~32//			
	Outdoor(cooling)	°C	0~50//			
Application area (Cooling Standard)		m ²	15~22	15~22	24~35	29~43