Hi Wall
SmartSaver Inverter - R32





R32
REFRIGERANT

Affordable comfort perfectly suited for your family

RTCA certified

				12K	18K	24K
Indoor Unit Model				**CH823A-X012-H3S1C**	**CH823A-X018-H3S1C**	**CH823A-X024-H3S1C**
Outdoor Unit Model				**CG823A-X012PH3S1C**	**CG823A-X018PH3S1C**	**CG823A-X024PH3S1C**
Electrical		Power supply	Ph / Volt / Hz	1Ph / 208-230V / 60Hz	1Ph / 208-230V / 60Hz	1Ph / 208-230V / 60Hz
		Operating voltage range	Min / Max Volts	187V Min / 253V Max	187V Min / 253V Max	187V Min / 253V Max
Cooling (RTCA)		Capacity	BTU/H	12000 (2700~13000)	18000 (2700~18700)	24000 (2700~24900)
			W/H	3520(800~3800)	5275(800~5500)	7050(800~7300)
		Input	W	950 (200~1650)	1400 (200~2500)	1900(200~3000)
		Rated current	Amps	4.2 (0.9~8.5)	6.2 (0.9~11.6)	8.4A (0.9~14.35)
		EER	W/W	3.73	3.75	3.71
			BTU/W	12.73	12.80	12.66
		REEE	W/W	6.64	6.76	6.84
		SEER	BTU/W	22.7	23	23.3
Max. input consumption			W	1650	2500	3000
Max. current			Amps	8.5	11.6	14.35
Indoor unit	Indoor fan motor	Model / Brand		YYK19-4-60 / DONGFANG	YDK25-4-60 / DONGFANG	YMAP025BC01B8 / Jeamo
		Output Power	W	19	25	30
		Capacitor	uF	1.5	1.5	/
		Speed (Hi/Mi/Lo)	RPM	1200/1150/1000/900	1200/1150/1000/900	1200/1100/1000/900
	Indoor coil	Fin spacing	mm	1.2	1.4	1.5
		Fin material		Hydrophilic / Aluminum /Gold Fin	Hydrophilic / Aluminum /Gold Fin	Hydrophilic / Aluminum /Gold Fin
		Tube outside dia.and material	mm	φ5, inner Grooved, copper	φ5, inner Grooved, copper	φ7, inner Grooved, copper
	Indoor air flow (Hi/Mi/Lo)		m3/h	650/500/400	700/600/550	1050/950/800
	Rated input Power(cooling/heating)		W	35	50	80
	Rated current (cooling/heating)		Amps	0.2	0.25	0.35
	Moisture Removal		L/h	1.1	2	2.6
	Sound level(Hi/Mi/Lo)		dB(A)	39/37/34	45/42/39	49/47/45
	Unit dimension (W*H*D)		mm	800x292x190	850x292x190	970x310x230
	Packing (W*H*D)		mm	885×380×280	915×335×240	1035×380×310
	Net weight		kg	7.4	8.6	11.9
	Gross weight		kg	8.6	9.7	13.7
Outdoor unit	Compressor	Type		Rotary	Rotary	Rotary
		Model		KSK82D22UDZA31	KSK103D32UEZ31	C-4RZ140H3AAF
		Brand		GMCC	GMCC	SANYO
	Outdoor fan motor	Model / Brand		YDK25-6 / DONGFANG	YDK25-6 / DONGFANG	YMA040BJ02B8 / Jeamo
		Output Power	W	25	25	40
		Capacitor	uF	2.5	2.5	/
		Speed	RPM	860±30	860±30	1000±30
	Outdoor coil	Fin spacing	mm	1.3	1.5	1.3
		Fin material		Non-hydrophilic / Aluminum / Gold Fin	Non-hydrophilic / Aluminum / Gold Fin	Non-hydrophilic / Aluminum / Gold Fin
		Tube outside dia.and material	mm	φ5, Inner Grooved / copper	φ7, Inner Grooved / copper	φ7, Inner Grooved / copper
	Sound level		dB(A)	49	55	57
	Unit dimension (W*H*D)		mm	700×302×510	800×302×550	860×378×597
	Packing (W*H*D)		mm	765×345×550	870X355X595	945X430X670
	Net weight		kg	21.4	25.6	28.2
	Gross weight		kg	22.9	27.2	30.4
	Refrigerant type			R32	R32	R32
	Refrigerant charge		g	405	805	825
	Design pressure			4.5	4.5	4.5
Refrigerant piping		Liquid side	mm	φ6	φ6	φ6
		Gas side	mm	φ9	φ9	φ12
		Max. refrigerant pipe length	m	10	10	10
		Max. difference in level	m	5	5	5
		Standard pipe length (w/o additional charge)	m	3	3	3
		Additional charge	g/m	15	15	20
Operation temperature range			℃	16℃-43℃	16℃-43℃	16℃-43℃
Ambient temperature range			℃	16℃-48℃	16℃-48℃	16℃-48℃
Qty per 40HQ			sets	347	280	183