



Standard Features



DC Inverter



Universal Warranty



Golden Fin



World-Famous Compressor



Fresh Air



High Efficiency



Ready to Install

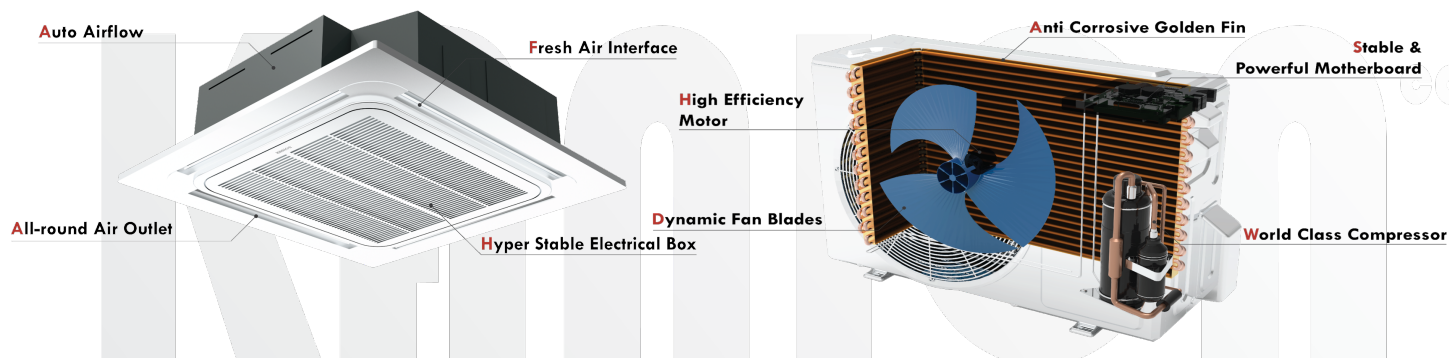
Optional Features



Additional Filters



Smart Features



kanionco.com

*The final product may be different to the 3D model.

Premium Series A++ R32
Ceiling Cassette DC Inverter 50Hz Designed For European Union



General Specifications											
Model No.		KCC-12IR32HFP	KCC-18IR32HSP	KCC-18IR32HFP	KCC-24IR32HFP	KCC-30IR32HFP	KCC-36IR32HFP	KCC-42IR32HFP	KCC-48IR32HFP	KCC-55IR32HFP	
Producer		Kanion Co									
Operation		Cooling, Heating, Fresh air, Dehumidification, Gentle Cool Wind, Fresh Air									
Description		Ceiling Cassette Type DC Inverter 50Hz									
Type		Cooling & Heating									
Power supply		220v-240V 50HZ; 380~415V/50Hz/3P									
Control type		Remote Controller (Standard) / Smart App Controller compatible with all major A.I. voice assitants (Optional)									
Filter type		HD Filter, Reinforced high density filter									
Heat exchangers		Golden Anticorrosive Technology									
Warranty		24 months for units / 5 years for compressor									
Declared cooling capacity	btu/h	12500(6200~16600)	18000(2115~18500)	18000(2115~19050)	24000(7500~25500)	30000(7600~32000)	36000(10500~42000)	42000(12000~45000)	48000(12000~54000)	55000(14000~57000)	
Declared heating capacity	btu/h	13500(6800~18400)	19010(2600~19800)	19800(2600~20820)	26900(7900~28500)	32000(9200~33200)	40000(11200~46000)	46000(13000~51000)	55000(14000~59000)	58000(15000~68000)	
Declared cooling capacity	W	3770(600~4860)	5300(620~5400)	5300(620~5580)	7030(2200~7500)	8800(2230~9380)	10550(3080~12300)	12100(3520~13200)	14070(3520~15830)	16000(4100~16710)	
Declared heating capacity	W	4000(700~5400)	5570(760~5800)	5800(760~6100)	7900(2320~8350)	9380(2700~9730)	11720(3280~13500)	13500(3810~14950)	16120(4100~17290)	17000(4400~19930)	
Pdesignc		3770	5300	5300	7030	8800	10550	12100	14000	16000	
SEER declared	W/W	6.1		6.3		6.2		6.1			
Energy Class		A++									
Pdesignh Average	W	4000	4200	4300	6000	7400	8500	9500	11200	11900	
SCOP Average declared	W/W	4					4.1	4			
Energy Class(Average)		A+									
Declare capacity(-10°C)	W	3270	3200	3300	5450	6450	6800	7150	9500	11650	
Back up heating capacity(-10°C)	W	730	1000	1000	550	950	1700	2350	1700	250	
Annual energy consumption	kwh/a	335	303	294	402	510	596	700	830	933	
	kwh/a	1514	1547	1505	2075	2510	2902	3210	3900	4251	
Moisture removal		1.2	1.2	1.5	2	2.6	3.6	4.2	4.8	5.4	
Indoor sound power(S/H/M/L/Mute)	dB(A)	52/51/50	54/53/50	55/52/49/46/44	59/56/52/49/47	61/57/53/50/45	63/60/59/57/53	63/60/58/56/53	63/61/59/57/54	63/61/59/57/54	
Indoor sound power(Standard rating conditions)	dB(A)	52	54	52	56	57	60		61		
Outdoor sound power(Standard rating conditions)	dB(A)	61	62	64	66	67	68	72	73		
Indoor sound pressure(S/H/M/L/Mute)	dB(A)	42/41/40	44/43/40	45/42/39/36/34	49/46/42/39/37	51/47/43/40/35	53/50/49/47/43	53/50/48/46/43	53/51/49/47/44	53/51/49/47/44	
Indoor sound pressure(Standard rating conditions)	dB(A)	42	44	42	46	47	50		51		
Outdoor sound pressure(Standard rating conditions)	dB(A)		52		54	56	57	58	62	63	
Electrical Data											
Power supply	Indoor		220-240V~/50Hz/1P						220-240V~/50Hz/1P		
	Outdoor		220-240V~/50Hz/1P						380~415V/50Hz/3P		
Power supply side			Outdoor						Outdoor and Indoor		
Voltage Range			176~265						176~265/304~458		
Cooling Operating current	Indoor	A	0.5(0.2~1.0)		0.8(0.2~1.0)		0.6(0.3~0.7)		1.0 (0.6~1.4)	1.2 (0.5~1.5)	
	Outdoor	A	7.6(1.8~12.0)		7.5(1.8~12.0)		10.2(3.8~14)		10.7(3.8~14.9)	14.6(1.0~20.3)	
Heating Operating current	Indoor	A	0.5(0.2~1.0)		0.8(0.2~1.0)		0.6(0.3~0.7)		1.0 (0.6~1.4)	1.2 (0.5~1.5)	
	Outdoor	A	8.2(1.6~11)		7.1(1.6~11)		8.5(4.0~13)		11.7(4.0~13.9)	15.0(1.4~16.3)	
Cooling Power consumption	Indoor	W	30(20~100)		60(20~100)		100(20~135)		120(50~140)	125(50~150)	
	Outdoor	W	1600(295~2550)	1720(395~2750)	1625(395~2750)	2390(710~3165)	2590(710~3415)	3180(210~4460)	3700(220~4460)	4700(745~5780)	
Heating Power consumption	Indoor	W	40(20~100)		30(20~100)		60(20~100)		100(20~135)	120(50~140)	
	Outdoor	W	1650(250~2300)	1850(350~2400)	1620(350~2400)	2330(745~2965)	2720(745~3215)	3280(300~3560)	3560(320~3750)	5100(920~5430)	
Max. powercon sump		W	2850		3300		3600		4600	4650	
Max.current		A	13		15		16.5		21	12	
Refrigerating System											
Indoor coil	Number of row		2						3		
	Fin spacing	mm	1.6		1.4		1.2		1.4	1.2	
	Fin material		Aluminum								
	Tube outside diameter	mm	7					5	7	5	
	Tube material		Copper								
	Coil length x height x width	mm	1262*205*26		2050*210*25.4			2050×255×23.2	2050*252*25.4	2050×252×34.8	
	Brand		Kaibang					Lifeng			

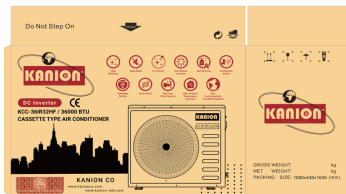
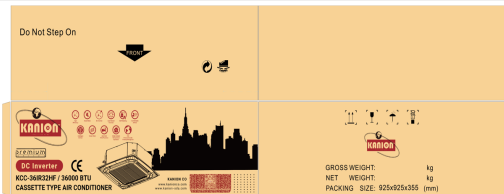
Indoor fan motor	Output	W	25		60			100				
	Indoor fan type		Propeller fan					centrifugal fan				
	Indoor air circulation Cooling/heating	m3/h	700/730	740/800	1150/1220	1400/1500	1500/1650	1800/1900	2000/2000	1800/2000	2000/2100	
	Speed S/H/M/L/Mute	rpm	800/700/600	840/800/730	560/500/450/350/320	680/590/500/430/360	700/610/520/450/380	800/720/680/620/520	840/730/680/640/560	880/800/750/680/600	880/800/750/680/600	
Outdoor coil	Number of row		1.5			2					3	
	Fin spacing	mm	1.3			1.4					1.5	
	Fin material		Aluminum									
	Tube outside diameter	mm	7			9.52					7	
	Tube material		Copper									
	Coil length x height x width	mm	843*567*36.4	843*567*36.4	843*567*36.4	926*651*36.4	926*651*36.4	992×762×38.1	992*762*38.1	1112×798×36.4	1126×798×57U	
Outdoor fan motor	Brand		Broad-ocean			Lifeng	Broad-ocean					
	Model		ZW428A300005			RDN85HA10	ZW5118500077			ZW511D000017		
	Output	W	33			85					200	
	Outdoor fan type		Propeller fan									
	Outdoor air circulation	m3/h	2550	2650		3500	4000	5000		5600	6400	
	Speed	rpm	730	770		880	950	930		700	740	
Refrigerant type R32/Charge/GWP/CO2 equivalent			0.95kg/675/0.642tonnes			1.35kg/675/0.911tonnes	1.4kg/675/0.944tonnes	2.10kg/675/1.418tonnes	2.20kg/675/1.485tonnes	2.10kg/675/1.418tonnes	2.60kg/675/1.418tonnes	
Compressor	Type		Rotary									
	Model		KSN140D53UFZ3			C-6RZ180H3AAF	C-6RZ210H3CDF		KTF240D43UMT		C-7RZ320H3CCF	GTH420SKPC8DQ
	MFG		GMCC			SANYO		GMCC		SANYO	HIGHLY	

Other											
Connecting Wiring	Core x Size		outdoor: 3*2.5mm²+5*1.5mm²; indoor: 5*1.5mm²					outdoor: 3*2.5mm²; indoor: 3*1.5mm²+3*0.75 Indoor: 3×1.0mm²Outdoor: 5×2.5mm²			
Expension device			Capillary +EXV					EXV		EXV	
Connecting Pipe	Gas	Inches	3/8"			1/2"	5/8"				
	Liquid	Inches	1/4"			3/8"					
Application area		m²	15-25	20-35	27~45	35-60	39~71	50~95		55~105	
Max. refrigerant pipe length		m						30	50		60
Max. difference in level		m						15	25		30
Operation temperature range		℃	16-31								
Ambient temperature range	Outdoor	℃	Cooling:-15-50/Heating:-15-24								
	Indoor	℃	Cooling:17-32/Heating:0-30								
Net dimensions (W x H x D)	Indoor	mm	580x255x580			840×245×840		840×290×840			
	Outdoor	mm	780×605×307			845×700×342		910×804×378		1010×858×436	
	Panel	mm	650x30x650			950x45x950					
Net weight	Indoor	kg	19		23	24		26		28	
	Outdoor	kg	30		30	40	41	55		74	82
	Panel	kg	2.5		6						
Packing dimensions (W x H x D)	Indoor	mm	725x300x725			935×305×935		935×350×935			
	Outdoor	mm	890×385×648			960×430×755		1022x860x480		1135x970x530	1145×970×535
	Panel	mm	745x100x745			1055x90x1055					
Gross weight	Indoor	kg	21	22	27	28		31		33	
	Outdoor	kg	32	33		44	45	60		86	94
	Panel	kg	4.5		9 /						
Loading Capacity	40'HQ	set	145	110		95		80	65		

Trade Terms											
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1. Warranty: 5 years for compressor, 2 years for units
2. 1% free spare parts of total amount with shipment (For normal order of one container or more)
3. Payment term: 30% TT as deposit before production , balance 70% by T/T before shipment (For orders meeting MOQ)
4. Delievery: W/ithin 45 days after receipt TT deposit
5. Trade term: FOB XL PORT GD

Accessories and Packaging for reference											
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And It Feels Like Home!

Suitable for Every House and Business

Easy to Install and Maintain

Energy Saving - Economy for People and the Environment

Comfort, Safety and Healthy Living with Kanion Co AC Outstanding Features

5 Years for Compressor and 24 Months for Parts, Kanion Co Warranty

