

16 SEER SUPER HIGH EFFICIENCY

Ksib
SERIES

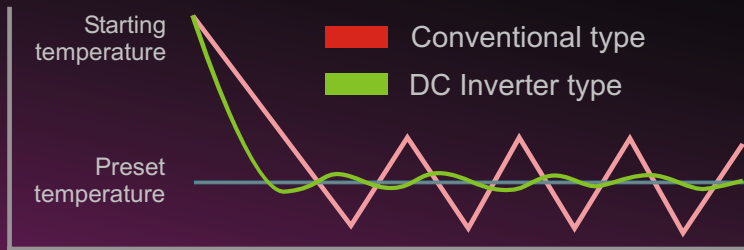
Still works and heats when
the outside temperature
falls down to 5° F (-15° C)



DC INVERTER
TECHNOLOGY

ULTIMATE COOLING & HEATING SOLUTION

KLIMAIRE[®]



Ultimate Cooling solution



TWIN ROTARY COMPRESSOR



KSIB009-H116
KSIB012-H116
KSIB012-H216
KSIB018-H216
KSIB024-H216

WHAT IS DC INVERTER ?

DC Inverter Air Conditioners are the ultimate cooling and heating technology of the HVAC field. They are called "DC inverter" because the alternative current (AC) is converted to Direct Current (DC) then, direct current inverted back to Alternative current with desired frequency. As known, the current supplied through the wall outlet has fixed frequency which is 60 Hertz. Different frequencies supplied to the compressor will result different running speeds of the compressor.

Klimaier Inverter control systems use Pulse Amplitude Modulation (PAM) that is the most advanced and energy efficient method of inverting the current.

DC Inverter air conditioners bear special compressors that their speed could be changed by increasing or decreasing the frequency of the supplied power.

Therefore, unlike conventional split Air Conditioners/Heat Pumps which cycle between on and off repeatedly, the DC Inverter control system will monitor the room temperature and adjust the compressor speed automatically.

Conventional compressors turn on and off to maintain the room temperature at desired level. This will result compressor to draw tremendous energy each time it starts up. This will also reduce the life-span of the compressor and other components that are turning on and off.

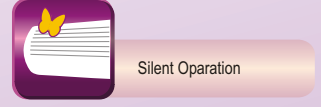
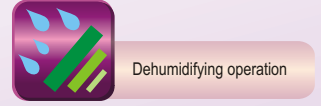
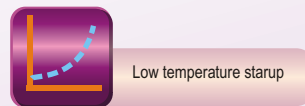
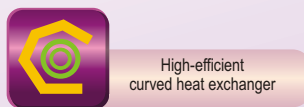
Once a conventional system is running, it runs at its maximum speed, consuming the maximum amount of energy in order to produce the maximum of cooling or heating to maintain the desired temperature. The system will then cycle between on and off in an effort to maintain this temperature.

When a DC Inverter compressor initially starts up, it runs with a higher speed to bring the room temperature to desired level rapidly. Once the set temperature is reached, it slows down and adjust its capacity just to counter the heat loss or heat gain of the building. By this way it will maintain a constant temperature.

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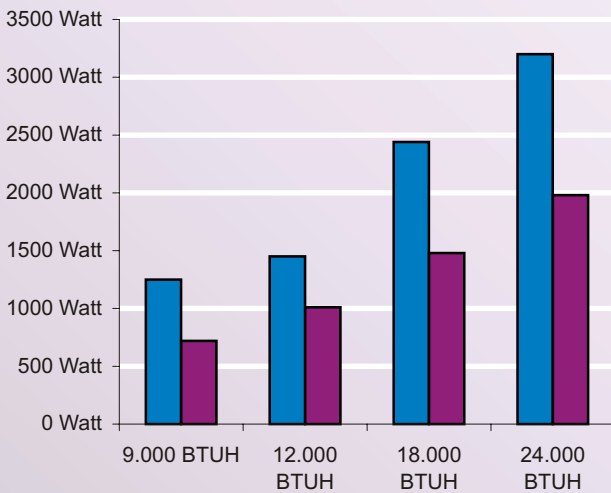
Features & Benefits

- Variable capacity range for different room size.
- Better heating performance in winter.
- Environment protected refrigerant R410A.
- Quick installation saving labor cost by fast coupling pipe for R410A & Power.
- Active carbon filter for clean air circulation, supplied as standard.
- Automatic self-diagnosis system for easy maintenance.
- Multi function LCD-screen remote controller for easy operation.
- Solves the thermal shock problem occurs with the conventional air conditioners



Model	KSIB009-H116		KSIB012-H116		KSIB012-H216		KSIB018-H216		KSIB024-H216		
Function	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	
Rated Voltage	115V		115V		208V230V		208 V230V		208-230V~		
Total Capacity (Btu/h) (High/ Standard):	10600 / 9000	13000 / 9500	14000 / 12000	15000 / 13000	14000 / 12000	15000 / 13000	18000	20000	21800 / 21000	27300 / 23200	
Power Input (W) (High/ Standard)	1250 / 730	1450 / 840	1450 / 1100	1550 / 1200	1450 / 1100	1500 / 1200	1350	1800	2350 / 2050	3350 / 2400	
Rated Input (W)	1250	1450	1450	1550	1700	1750	2440	2440	3200	3350	
Rated Current (A)	12	13,6	13,6	14,5	7,4	7,6	10,6	10,6	14,0	14,2	
Air Flow Volume (cfm)	325		325		350		470		470		
Dehumidifying Volume (L/h)	1,2		1,2		1,2		1,2		2,4		
SEERATING	16 SEER		16 SEER		16 SEER		16 SEER		16 SEER		
INDOOR UNIT	Sound Pressure Level dB (A) (H/M/L)	43 / 37 / 30		43 / 37 / 30		43 / 40 / 39		50 / 47 / 44		47 / 43 / 40	
	Sound Power Level dB (A) (H/M/L)	53 / 47 / 40		53 / 47 / 40		53 / 50 / 49		60 / 57 / 54		57 / 53 / 50	
	Dimension (W/D/H)(in)	30.3 X 7.5 X 10		32.7 X 8.9 X 11.2		32.7 X 8.9 X 11.2		40.2 X 9 X 12.2		40.2 X 9 X 12.2	
	Dimension of Package (W/D/H)(in)	32.7 X 11.7 X 13		34.5 X 12.3 X 14.7		34.5 X 12.3 X 14.7		42.4 X 12.8 X 15.4		42.4 X 12.8 X 15.4	
	Net Weight /Gross Weight (LBS)	19 / 28		24 / 31		24 / 33		29 / 38		29 / 38	
OUTDOOR UNIT	Compressor Manufacturer	SANYO		SANYO		SANYO		SANYO		SANYO	
	Compressor Type	Twin rotary		Twin rotary		Twin rotary		Rotary		Twin Rotary	
	L.R.A. (A)	33		33		33		27		32	
	Compressor RLA(A)	3,92		3,92		3,92		6,54		7,78	
	Compressor Power Input(W)	960		960		960		1266		1500	
	Working Temp Range (F)	5<T<110(-15C<T<43C)		5<T<110(-15C<T<43C)		5<T<110(-15C<T<43C)		5<T<110(-15C<T<43C)		5<T<110(-15C<T<43C)	
	Sound Pressure Level dB (A) (H/M/L)	53		55		55		=57		58/55	
	Sound Power Level dB (A) (H/M/L)	63		65		65		=67		68/65	
	Dimension (W/D/H)(in)	33.4 X 12.6 X 21.3		33.4 X 12.6 X 21.3		33.4 X 12.6 X 21.3		37.4 X 13.4 X 26.9		37.4 X 16.5 X 33	
	Dimension of Package (W/D/H)(in)	34.6 X 14.2 X 23.2		34.6 X 14.2 X 23.2		34.6 X 14.2 X 23.2		43.3 X 17.7 X 29.7		43.3 X 17.7 X 35.6	
	Net Weight /Gross Weight (LBS)	88/100		88/100		88/100		130/141		150/160	
Refrigerant	R410A		R410A		R410A		R410A		R410A		
Pipe Connections (Liquid /Suction)	1/4 " - 1/2 "		1/4 " - 1/2 "		1/4 " - 1/2 "		3/8 " - 5/8"		3/8 " - 5/8"		

Energy Consumption Comparison



	9,000 BTUH	12,000 BTUH	18,000 BTUH	24,000 BTUH
CONVENTIONAL 13 SEER SPLIT SYSTEMS	1250 Watt	1450 Watt	2440 Watt	3200 Watt
KLIMAIRE INVERTER SPLIT SYSTEMS	720 Watt	1010 Watt	1480 Watt	1980 Watt

	9,000 BTUH	12,000 BTUH	18,000 BTUH	24,000 BTUH
CONVENTIONAL 13 SEER SPLIT SYSTEMS	\$319	\$370	\$623	\$818
KLIMAIRE INVERTER SPLIT SYSTEMS	\$184	\$258	\$378	\$506
*ANNUAL SAVINGS	\$135	\$112	\$245	\$312

* Based on average 7 Hours operation per day, \$0.10/KW rating.

- CONVENTIONAL 13 SEER SPLIT SYSTEMS
- KLIMAIRE INVERTER SPLIT SYSTEMS