

SUBMITTAL DATA: BCAS24HPJ1CA		24000 BTU/H Cassette Heat Pump System
Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	
Unit Designation	Schedule No.	

BCAS24HPJ1CA	KULA24HPJ1OA
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GENERAL FEATURES

High Efficiency DC Inverter Technology
Compact and Quiet Design

Wireless Remote with LCD Display Included
XK19 Wired Controller Included

Low Ambient Cooling down to -20°F (Range -20°F to 122°F)
Low Ambient Heating down to -22°F (Range -22°F to 86°F)
Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin*
* (Blue Fin) 500 Hrs Salt Spray Tested



SPECIFICATIONS		KULA24HPJ1OA / BCAS24HPJ1CA	
System Type		HEAT PUMP	
SYSTEM PERFORMANCE			
Cooling	Rated Capacity @ 95°F	Btu/h	22000
	Min-Max Capacity	Btu/h	3600 - 26500
Heating	Rated Capacity @ 47°F	Btu/h	24000
	Rated Capacity @ 17°F	Btu/h	15500
	Min-Max Capacity	Btu/h	4000 - 33000
SEER / EER		21 / 12	
HSPF / COP		11.5 / 3.81	
Energy Star®		NO	
Cooling Temperature Range		°F	-20 - 122
Heating Temperature Range		°F	-22 - 86
INDOOR UNIT		BCAS24HPJ1CA	
Fan Motor Output Power		W	45
Fan Motor FLA		amps	0.5
Air Flow (Min - Max)		CFM	518 - 753
Sound Pressure Level (Cooling / Heating)		dB(A)	36 - 47
Dehumidification		pt/hr	5.3
Condensate Drain Size (OD)		in	1
Unit Dimension (WxHxD)		in	33 X 33 X 9 1/2
Package Dimension (WxHxD)		in	37 1/2 X 37 1/2 X 12 1/8
Weight (Net / Gross)		lbs	57.3 / 70.5
OUTDOOR UNIT		KULA24HPJ1OA	
Compressor Type		G-10 / 1-Stage Inverter	
Compressor RLA		amps	10.68
Fan Motor Output Power		W	90
Fan Motor RLA		amps	0.7
Sound Pressure Level (Cooling / Heating)		dB(A)	59
Unit Dimension (WxHxD)		in	39 1/2 X 31 1/8 X 16 7/8
Package Dimension (WxHxD)		in	42 5/8 X 33 1/8 X 19 1/8
Weight (Net / Gross)		lbs	124.6 / 135.6
Refrigerant Charge - R410A		oz	63.5
Coil Type		Aluminum Fin / Copper Tube	
REFRIGERANT PIPING			
Indoor Service Valve Size (Liquid - Gas)*		in	3/8 - 5/8
Outdoor Service Valve Size (Liquid - Gas)		in	1/4 - 5/8
Pre-Charge Lengh		ft	25
Pipe Length (Min - Max)		ft	10 / 98
Max. Pipe Elevation		ft	66
ELECTRICAL			
Power Supply (Voltage Operating Range)		208-230V / 1Ph / 60Hz	
Rated Current (Cooling / Heating)		amps	7.5 / 14.5
MCA / MOCP		amps	16 / 25
Main Power Wire Size		AWG	Size Per Local Code
Interconnecting Wire Size		AWG	14 / 4

* Size line set to indoor unit connection size -requires 1/4 x 3/8 adapter (field supplied)

EXTENDED RATINGS

BCAS24HPJ1CA

COOLING PERFORMANCE						HEATING PERFORMANCE				
Outdoor Ambient Temperature (DB)		Return Air Temperature				Outdoor Ambient Temperature (DB)		Return Air Temperature		
		80°F (DB)						70°F (DB)		
		TC (Btu/h)	SHR	EER	Power Input (W)			TC (Btu/h)	COP	Power Input (W)
MAX OUTPUT	-20°F	8619	6256	2.04	1240.3	MAX OUTPUT	-22°F	12471	1.60	2279.5
	-15°F	9091	6880	2.25	1182.8		-20°F	13350	1.68	2326.0
	-10°F	9716	7040	2.30	1240.3		-15°F	14903	1.84	2373.4
	-5°F	10673	7620	2.32	1345.6		-10°F	17076	2.07	2421.9
	0°F	11925	7746	2.36	1482.5		-5°F	18007	2.14	2471.3
	5°F	14310	9359	2.71	1548.9		0°F	18628	2.17	2521.7
	10°F	15159	10027	2.76	1610.9		5°F	20698	2.36	2573.2
	15°F	15635	10296	2.92	1571.0		10°F	21733	2.43	2625.7
	20°F	16023	10490	2.83	1659.2		15°F	24838	2.72	2679.3
	25°F	16165	10718	2.85	1659.5		17°F	27321	2.93	2734.0
	30°F	16695	11144	2.84	1725.8		20°F	29495	3.10	2789.8
	35°F	17748	11698	2.90	1792.2		25°F	30426	3.13	2846.7
	40°F	18285	12287	3.03	1770.0		30°F	31047	3.13	2904.8
	45°F	19305	12781	3.06	1848.3		35°F	31358	3.07	2992.0
	50°F	19875	13444	3.10	1880.6		40°F	31668	3.01	3081.7
	55°F	20935	14255	3.15	1947.0		45°F	32599	3.01	3174.0
	60°F	21567	14668	3.15	2008.0		47°F	33531	3.01	3269.4
	65°F	21730	14894	3.16	2013.3		50°F	33713	3.01	3285.7
	70°F	23791	16687	3.26	2136.7		55°F	33866	2.95	3367.7
	75°F	25175	17368	3.40	2168.2		60°F	34200	2.89	3468.4
	80°F	26026	18141	3.45	2210.2		65°F	35206	2.89	3572.9
	85°F	26548	18769	3.41	2279.4		70°F	36212	2.88	3679.4
	90°F	26721	18551	3.49	2241.1		75°F	37218	2.88	3789.8
	95°F	26500	18520	3.51	2213.0		80°F	38560	2.89	3904.1
	100°F	24620.83	17418	3.54	2039.7		86°F	39050	2.89	3957.0
	105°F	23585	16588	3.55	1947.0					
	110°F	23179.3	15880	3.58	1897.0					
	115°F	21995	15569	3.60	1792.2					
	120°F	20824.51	14326	3.61	1690.7					
	122°F	19345	13779	3.63	1560.2					

LEGEND: W - Watts
 DB - Dry Bulb
 TC - Total Capacity
 SHR - Sensible Heat Ratio
 COP - Coeffecient of Performance

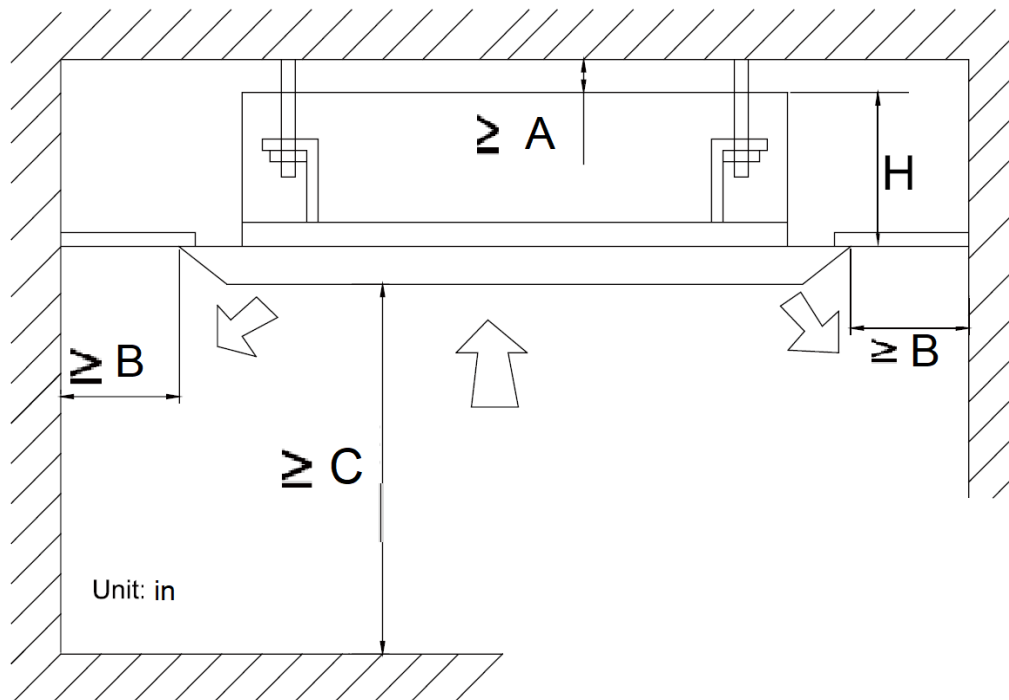
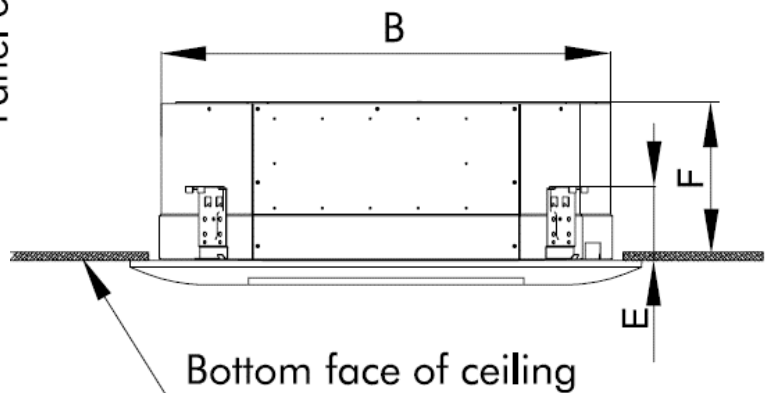
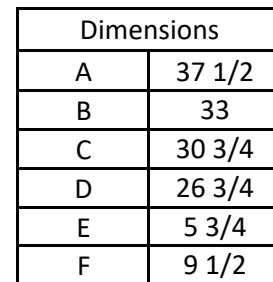
FEATURES & FUNCTIONS SUMMARY**KULA24HPJ10A / BCAS24HPJ1CA****SYSTEM FEATURES**

Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type - Inverter	High Efficiency Rotary
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	Yes
WiFi Included	No
Indoor Fan Type	Centrifugal
Multi Fan Speeds	4 Speeds
Indoor Unit Display	Yes
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	No

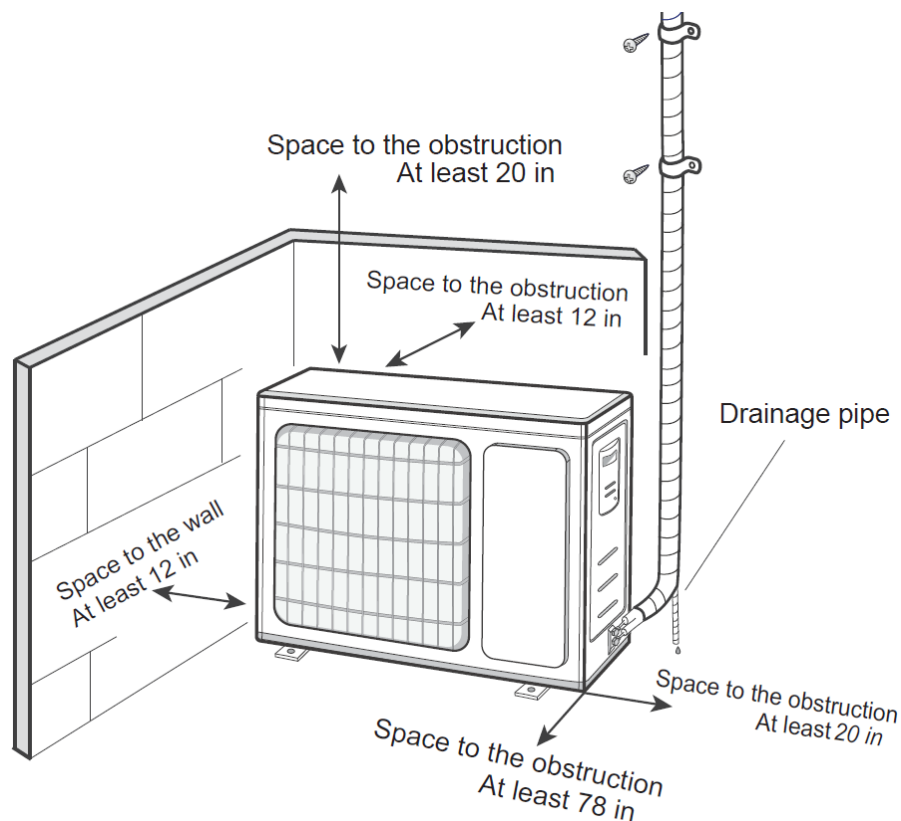
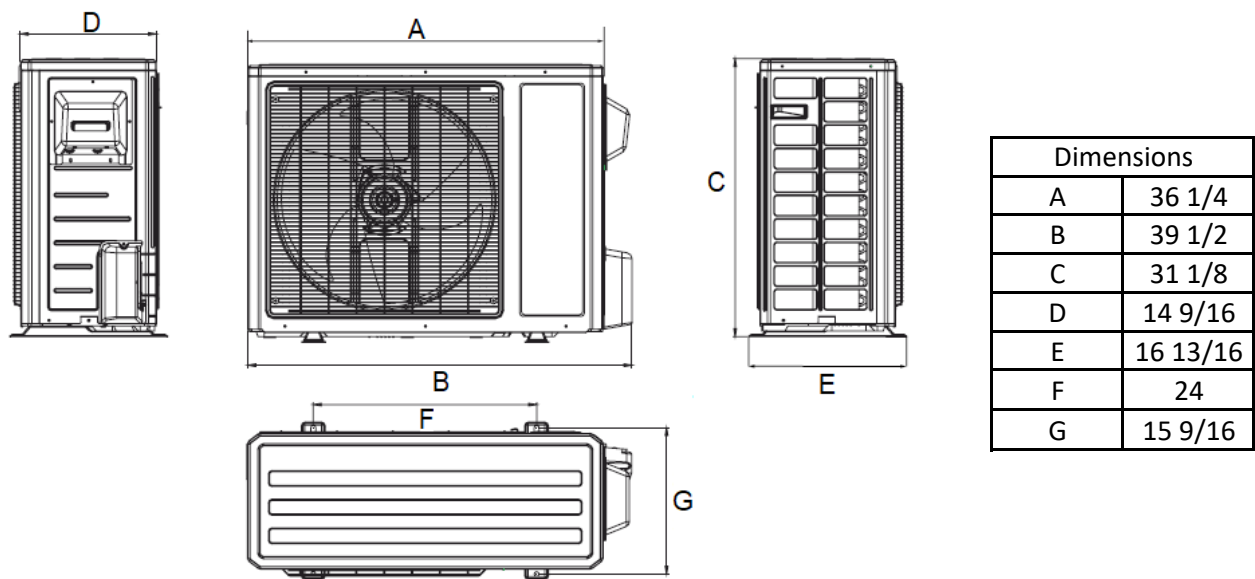
REMOTE CONTROLLER FUNCTIONS

Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	No
Auto Swing (Vertical Auto Swing)	Yes
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
Fan Speed Control (7 Speeds)	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	No
Room Temperature Display	No
Sleep Mode	Yes
Normal Sleep Mode Option	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes

BCAS24HPJ1CA



Clearances	
A	7/8
B	60
C	98
H	10



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