


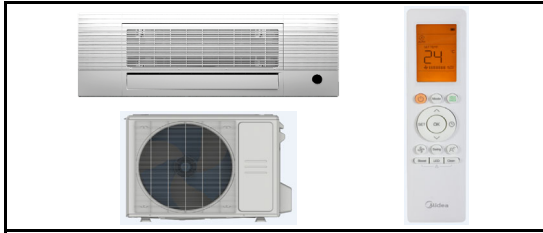


**SUBMITTAL DATA SHEET**

Heat Pump System	
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____

<b>Set Code</b>	22022510004723
Indoor unit code	22022511003956
Outdoor unit code	22022016016322
<b>Set Model</b>	
Indoor unit model	ACBU-12HRFN1-MV0W
Outdoor unit model	AOX230-12HFN1-MV5W
<b>Certified</b>	
AHRI	
UL	
	



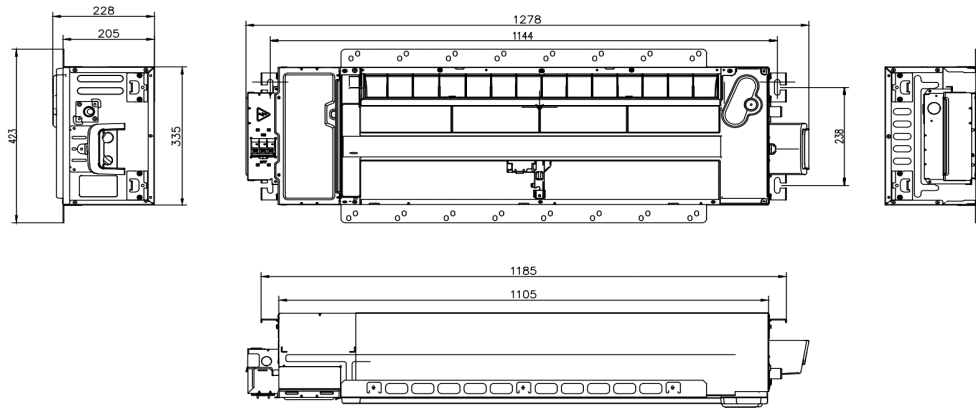
SYSTEM PERFORMANCE DATA			
<b>Power supply</b>			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
<b>Electrical</b>			
Minimum circuit ampacity	(A)		13.0
Max.fuse	(A)		15.0
Connection wiring			14'4 AWG
<b>Cooling</b>			
Rated Capacity	(Btu/h)	12000(4000-13200)	
Capacity Range	(Btu/h)	12000(4000-13200)	
Power Input	(W)	952(160-1200)	
Rated current	(A)	4.17(1.26-5.35)	
SEER	(Btu/W)		21.2
EER	(Btu/W)		12.6
<b>Heating</b>			
Rated Capacity	(Btu/h)	12500(3700-12800)	
Capacity Range	(Btu/h)	12500(3700-12800)	
Power Input	(W)	1145(300-1240)	
Rated current	(A)	4.83(2.37-5.50)	
HSPF4	(Btu/W)		10.8
HSPF5	(Btu/W)		9.1
COP	WW		3.20
Heat at 17F	(Btu/h)		9000
Heat at 5F	(Btu/h)		7600
COP at 5F	WW		2.1

INDOOR UNIT DATA			
<b>Indoor fan motor</b>			
Type			Centrifugal
Model			ZKFN-30-8-43
Qty			1
Input	(W)		/
Output	(W)		30.0
RLA	(A)		1.0
Speed(Hi/Mi/Lo)	(r/min)		1075/982/797
<b>Air flow &amp; Noise level</b>			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)		311.76/282.35/247.06
Indoor noise level (Hi/Med/Lo)	[dB(A)]		40.5/38.5/34.5
<b>Dehumidification</b>			
	(Pint/H)		
<b>Indoor unit</b>			
Dimension (WxDxH)	(inch)	50.31x13.19x8.98	
	(mm)	1278x335x228	
Packing(WxDxH)	(inch)	57.60x22.48x22.64	
	(mm)	1463x571x575	
Net/Gross weight	(lbs.)	45.19/82.89	
	(kg)	20.5/37.6	

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit		N/A
	Outdoor unit		EXV
Design pressure	(PSIG)		550/340
Refrigerant Type	(Oz)	R410A/38.1ozs	
Refrigerant precharge	(ft)	25.0	
	(m)	7.5	
Additional charge for each ft	(oz/ft)	0.16	
Additional charge for each m	(g/m)	15.0	
Liquid side/ Gas side(indoor)	(inch)	1/4" / 1/2"	
	(mm)	6.35/12.7	
Liquid side/ Gas side(outdoor)	(inch)	1/4" / 1/2"	
	(mm)	6.35/12.7	
Max. pipe length	(ft)	82.0	
	(m)	25.0	
Max. difference in level	(ft)	32.8	
	(m)	10.0	
Connection method			Flared
Indoor(cooling/heating)	(Deg. °F)	60~90/32~86	
	(Deg. °C)	16~32/0~30	
Outdoor(cooling/heating)	(Deg. °F)	-13~122/ -13~75	
	(Deg. °C)	-25~50/ -25~24	

OUTDOOR UNIT DATA			
<b>Compressor</b>			
Type			ROTARY
Model			KSK103D33UEZ3
Brand			GMCC
Capacity	(Btu/h)		11106
Input	(W)		826
Rated current (RLA)	(A)		6.4
Refrigerant oil/oil charge	(ml)		ESTER OIL VG74 310
<b>Outdoor fan motor</b>			
Model			ZKFN-34-10-1
Qty			1
Input	(W)		/
Output	(W)		34
RLA	(A)		0.40
Speed	(r/min)		800/600
<b>Air flow &amp; Noise level</b>			
Outdoor air flow (Max.)	(CFM)		1294
Outdoor noise level	[dB(A)]		2200
<b>Outdoor unit</b>			
Dimension (WxDxH)	(inch)	30.12x11.93x21.85	
	(mm)	765x303x555	
Packing (WxDxH)	(inch)	34.92x13.27x24.02	
	(mm)	887x337x610	
Net/ Gross weight	(lbs.)	63.71/69.00	
	(kg)	28.9/31.3	

Indoor unit dimension



Outdoor unit dimension

