



SUBMITTAL DATA SHEET

Ceiling&Floor Heat Pump System		ACIQ-36FM-HH-MB
Location: _____ Engineer: _____ Submitted to: _____ Submitted by: _____ Reference: _____	Approval: _____ Date: _____ Construction: _____ Unit #: _____ Drawing #: _____	

Set Code	22022710003717
Indoor unit code	22022711000659
Outdoor unit code	22022516001923
Set Model	
Indoor unit model	ACIQ-36FM-HH-MB
Outdoor unit model	
Certified	
AHRI	
CSA	

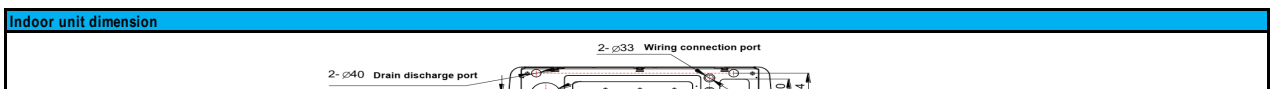


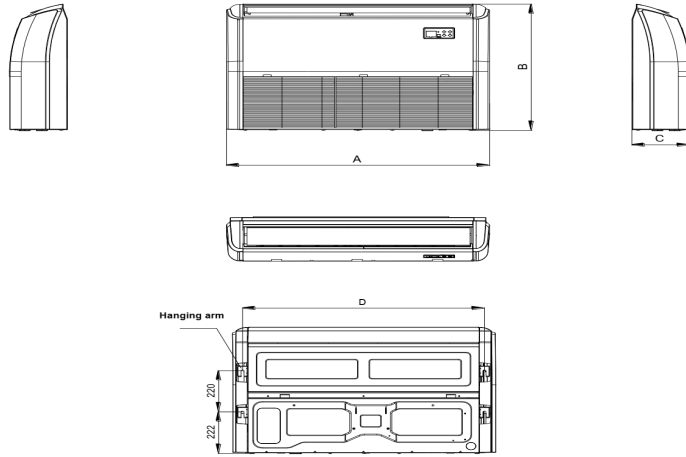
SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph,	60Hz
Voltage Range	(V)		187-253
Electrical			
Minimum circuit ampacity(Outdoor)	(A)		41.0
Max.fuse(Outdoor)	(A)		50.0
Connection wiring		14AWG*2	Stranded, shielded
Cooling			
Capacity	(Btu/h)	36000(7780-42100)	
Power Input	(W)	4090(370-4140)	
Current	(A)	17.8(3.05-18.31)	
SEER2	(Btu/W)		17.6
EER2	(Btu/W)		8.8
Heating			
Capacity	(Btu/h)	39000(11500-45700)	
Power Input	(W)	4250(740-4790)	
Current	(A)	19(4.17-21.14)	
HSPF2.4	(Btu/W)		10.0
HSPF2.5	(Btu/W)		8.2
COP	W/W		2.69
Heat at 17F(H32)	(Btu/h)		32000
Heat at 5F(H42)	(Btu/h)		36600
COP at 5F(H42)	W/W		1.75

INDOOR UNIT DATA			
Indoor fan motor			
Model			ZKFN-115-8-1
Qty			1
Input	(W)		130.0
Output	(W)		115.0
RLA	(A)		1.50
Speed(Hi/Mi/Lo)	(r/min)		1300/1150/800
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//1036.47/917.06/637.65	
Indoor noise level (Hi/Med/Lo)	[dB(A)]		52.5/48.5/42.5
Dehumidification	(L/H)		4.919
Indoor unit			
Dimension (WxDxH)	(inch)		50.59x26.57x9.25
	(mm)		1285x675x235
Packing(WxDxH)	(inch)		53.54x29.72x12.52
	(mm)		1360x755x318
Net/Gross weight	(lbs.)		69.00/81.57
	(kg)		31.3/37

REFRIGERANT PIPE DATA			
Throttle type	Indoor unit		N/A
	Outdoor unit		EXV+Throttle valve
Design pressure	(PSIG)		550/340
Refrigerant Type			R410A
Refrigerant charge	oz		148.40
Refrigerant precharge	(ft)		25.0
	(m)		7.5
Additional charge for each ft	(oz/ft)		0.32
Additional charge for each m	(g/m)		30.0
Liquid side/ Gas side(indoor)	(inch)		3/8"/5/8"
	(mm)		9.52/15.9
Liquid side/ Gas side(outdoor)	(inch)		3/8"/5/8"
	(mm)		9.52/15.9
Max. pipe length	(ft)		213.3
	(m)		65.0
Max. difference in level	(ft)		98.4
	(m)		30.0
Connection method			Flared
Indoor(cooling)	(Deg. °F)		62~90
	(Deg. °C)		17~32
Indoor(heating)	(Deg. °F)		32~86
	(Deg. °C)		0~30
Outdoor(cooling)	(Deg. °F)		5~122
	(Deg. °C)		-15~50
Outdoor(heating)	(Deg. °F)		-22~75
	(Deg. °C)		-30~24

OUTDOOR UNIT DATA			
Compressor			
Type			ROTARY
Model			EAPQ420D1UMUA
Brand			GMCC
Capacity	(Btu/h)		44015
Input	(W)		3565
Rated current (RLA)	(A)		32.0
Refrigerant oil/oil charge	(ml)		1460±15mlESTER OIL VG74
Outdoor fan motor			
Model			ZKFN-85-8-22-5
Qty			2
Input	(W)		126.00
Output	(W)		85.00
RLA	(A)		1.20
Speed	(r/min)		800/750/650
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)		4500.0
Outdoor noise level	[dB(A)]		63.0
Outdoor unit			
Dimension (WxDxH)	(inch)		37.48x16.34x52.48
	(mm)		952x415x1333
Packing (WxDxH)	(inch)		43.11x19.49x58.27
	(mm)		1095x495x1480
Net/ Gross weight	(lbs.)		220.24/248.02
	(kg)		99.9/112.5





Capacity (Btu/h)	Unit	A	B	C	D
18K / 24K	mm	1068	675	235	983
	inch	42.05	26.57	9.25	38.70
36K	mm	1285	675	235	1200
	inch	50.59	26.57	9.25	47.24
48K/60K	mm	1650	675	235	1565
	inch	64.96	26.57	9.25	61.61

Outdoor unit dimension

