



SUBMITTAL DATA SHEET

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

Set Code	22022710003776
Indoor unit code	22022711002236
Outdoor unit code	22023116000181
Set Model	
Indoor unit model	MIU-A60LF-2
Outdoor unit model	MOU-A60L-2
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)	39.0	
Max.fuse(Outdoor)	(A)	50.0	
Connection wiring		14AWG*2	Stranded, shielded
Cooling			
Capacity	(Btu/h)	54000(15000~54000)	
Power Input	(W)	5500(1400~5800)	
Current	(A)	24.10(6.10~26.0)	
SEER2	(Btu/W)	19.8	
EER2	(Btu/W)	9.8	
Heating			
Capacity	(Btu/h)	60000(17000~60000)	
Power Input	(W)	5800(1500~5800)	
Current	(A)	25.5(6.70~25.5)	
HSPF2-4	(Btu/W)	9.0	
HSPF2-5	(Btu/W)	7.0	
COP	W/W	3.03	
Heat at 17F(H32)	(Btu/h)	35000	
Heat at 5F(H42)	(Btu/h)	34400	
COP at 5F(H42)	W/W	2.02	

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	169.32
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"/3/4"
	(mm)	9.52/19
Liquid side/ Gas side(outdoor)	(inch)	3/8"/7/8"
	(mm)	9.52/22
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)	5~75
	(Deg. °C)	-15~24

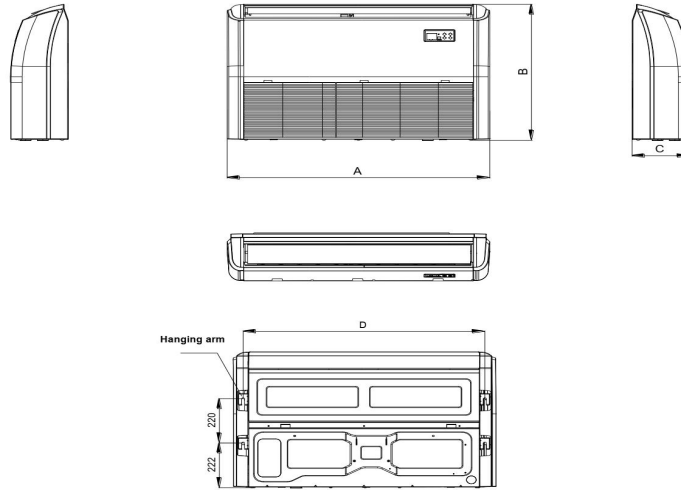
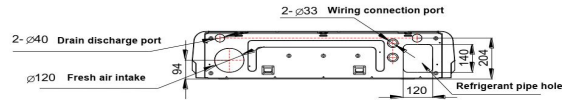
INDOOR UNIT DATA

Indoor fan motor			
Model		ZKFN-160-8-1-2	
Qty		1	
Input	(W)	/	
Output	(W)	160.0	
RLA	(A)	2.40	
Speed(Hi/Mi/Lo)	(r/min)	1350/1050/850	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No duct)	(CFM)	//1384.12/1028.82/795.29	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	55/48/42	
Dehumidification	(L/H)	7.5	
Indoor unit			
Dimension (WxDxH)	(inch)	64.96x26.57x9.25	
	(mm)	1650x675x235	
Packing(WxDxH)	(inch)	67.91x29.72x12.52	
	(mm)	1725x755x318	
Net/Gross weight	(lbs.)	96.56/111.99	
	(kg)	43.8/50.8	

OUTDOOR UNIT DATA

Compressor			
Type		ROTARY	
Model		KTQ420D1UMU	
Brand		GMCC	
Capacity	(Btu/h)	46744	
Input	(W)	3700	
Rated current (RLA)	(A)	25.0	
Refrigerant oil/oil charge	(ml)	VG74/1400	
Outdoor fan motor			
Model		ZKFN-85-8-22-5	
Qty		2	
Input	(W)	126.00	
Output	(W)	85.00	
RLA	(A)	1.50	
Speed	(r/min)	850/750/650	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2647.1	
Outdoor noise level	[dB(A)]	64.0	
Outdoor unit			
Dimension (WxDxH)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (WxDxH)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	217.15/248.24	
	(kg)	98.5/112.6	
Accessories			
Adaptor (7/8" to 3/4")	Qty	1	

Indoor unit dimension



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

