



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)	25.0
Max.fuse	(A)	40.0
Connection wiring		14AWG*4 Stranded, unshielded
<b>Cooling</b>		
Capacity	(Btu/h)	36000(9200~40160)
Power Input	(W)	3396(340~4180)
Current	(A)	15.4(2.9~18.3)
SEER2	(Btu/W)	23.1
EER2	(Btu/W)	10.6
<b>Heating</b>		
Capacity	(Btu/h)	37000(8500~46600)
Power Input	(W)	3098(480~4460)
Current	(A)	15.4(3.4~19.5)
HSPF2-4	(Btu/W)	9.6
HSPF2-5	(Btu/W)	7.2
COP	W/W	3.50
Heat at 17F(H32)	(Btu/h)	26400
Heat at 5F(H42)	(Btu/h)	24000
COP at 5F(H42)	W/W	1.80
Outdoor(cooling)	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °F)	-13~75

DiamondAir Four Zone BTU Submittal Data Sheet	
<b>Set Model</b>	
Indoor unit model	DF2009HMSI2*4
Outdoor unit model	DF36M2Z4
<b>Certified</b>	
AHRI	
UL	

REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	134.0
Refrigerant precharge	(ft)	25x4
Additional charge for each ft (φ6.35 (1/4") liquid pipe)	(oz/ft)	0.16
	(g/ft)	15.0
Additional charge for each ft (φ9.52 (3/8") liquid pipe)	(oz/ft)	0.32
	(g/ft)	30.0
Liquid side	(inch)	4x1/4"
	(mm)	4x6.35
Gas side	(inch)	3x3/8"+1x1/2"
	(mm)	3x9.52+1x12.7
Max. length for all rooms	(ft)	262.5
	(m)	80.0
Max. length for one indoor unit	(ft)	114.8
	(m)	35.0
Max. height difference between indoor and outdoor unit	(ft)	49.2
	(m)	15.0
Max. height difference between indoor units	(ft)	33.0
	(m)	10.0



OUTDOOR UNIT DATA		
<b>Compressor</b>		
Type		ROTARY
Model		KTF310D43UMT
Brand		GMCC
Capacity	(Btu/h)	34154
Input	(W)	2765
Rated current (RLA)	(A)	18
Refrigerant oil/oil charge	(ml)	VG74/1000
<b>Outdoor fan motor</b>		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.00
Output	(W)	120.00
RLA	(A)	1.00
Speed	(r/min)	1000/900/750
<b>Air flow &amp; Noise level</b>		
Outdoor air flow (Max.)	(CFM)	2147.06
Outdoor noise level	[dB(A)]	63.50
<b>Outdoor unit</b>		
Dimension (W×D×H)	(inch)	37.24x16.14x31.89
	(mm)	946x410x810
Packing (W×D×H)	(inch)	42.91x19.69x34.84
	(mm)	1090x500x885
Net/ Gross weight	(lbs.)	169.09/181.44
	(kg)	76.7/82.3

