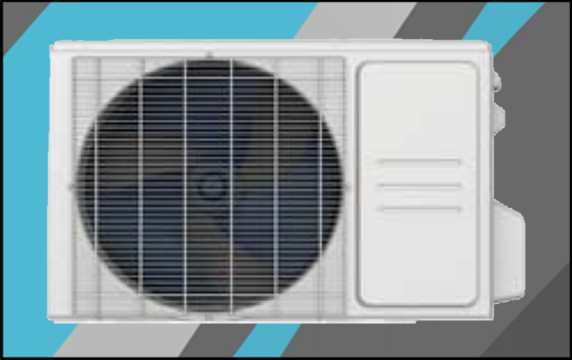




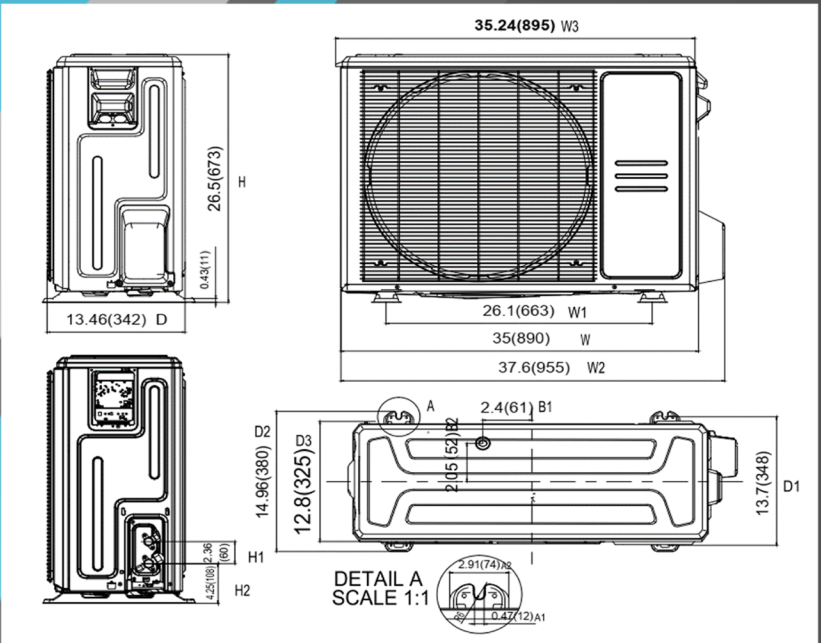
SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230V, 1Ph, 60Hz
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	18.0
Max.fuse	(A)	25.0
Connection wiring		14AWG*4 Stranded, unshielded
Cooling		
Capacity	(Btu/h)	18000(4950~23000)
Power Input	(W)	1440(217~2026)
Current	(A)	6.4(1.76~8.91)
SEER2	(Btu/W)	21.0
EER2	(Btu/W)	12.5
Heating		
Capacity	(Btu/h)	19000(4900~23000)
Power Input	(W)	1550(317~1959)
Current	(A)	6.7(2.41~8.61)
HSPF2-4	(Btu/W)	10.2
HSPF2-5	(Btu/W)	7.7
COP	W/W	3.59
Heat at 17F(H32)	(Btu/h)	14400
Heat at 5F(H42)	(Btu/h)	12600
COP at 5F(H42)	W/W	2.00
Outdoor(cooling)	(Deg. °F)	5~122
Outdoor(heating)	(Deg. °F)	-13~75

DiamondAir Two Zone Submittal Data Sheet	
Set Model	
Indoor unit model	DF2009HMSI2*2
Outdoor unit model	DF18M2Z2
Certified	
AHRI	
UL	



REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type		R410A
Refrigerant charge	oz	65.3
Refrigerant precharge	(ft)	25x2
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)	2x1/4"
	(mm)	2x6.35
Gas side	(inch)	2x3/8"
	(mm)	2x9.52
Max. length for all rooms	(ft)	131.2
	(m)	40.0
Max. length for one indoor unit	(ft)	82.0
	(m)	25.0
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 dimension



OUTDOOR UNIT DATA		
Compressor		
Type		Twin-ROTARY
Model		KTN150D30UFZA
Brand		GMCC
Capacity	(Btu/h)	16139
Input	(W)	1250
Rated current (RLA)	(A)	/
Refrigerant oil/oil charge	(ml)	ESTER OIL VG74 450
Outdoor fan motor		
Model		ZKFN-80-8-3
Qty		1
Input	(W)	/
Output	(W)	80.00
RLA	(A)	/
Speed	(r/min)	750/600/500
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	1764.71
Outdoor noise level	[dB(A)]	59.50
Outdoor unit		
Dimension (W×D×H)	(inch)	35.04x13.46x26.50
	(mm)	890x342x673
Packing (W×D×H)	(inch)	40.55x17.24x29.53
	(mm)	1030x438x750
Net/ Gross weight	(lbs.)	100.31/108.69
	(kg)	45.5/49.3