

Air Handler System

SUBMITTAL DATA SHEET 60K

Set Code	22023110000429
Indoor unit code	22023111000252
Outdoor unit code	22023116000083
Set Model	
Indoor unit model	DVC-60HWFN1-M
Outdoor unit model	DOE30U-60HFN1-MR0
Certified	AHRI  UL 



SYSTEM PERFORMANCE DATA

Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	34.0
Max.fuse	(A)	60.0
Connection wiring	14AWG*2 Stranded, shielded	
Cooling		
Rated Capacity	(Btu/h)	57000
Capacity Range	(Btu/h)	4395~60200
Power Input	(W)	5644
Rated current	(A)	23.8
SEER	(Btu/W)	18
EER	(Btu/W)	10.3

Heating at 47F

Rated Capacity	(Btu/h)	60000
Capacity Range	(Btu/h)	11400~63100
Power Input	(W)	4959
Rated current	(A)	20.9
HSPF4	(Btu/W)	9.2
HSPF5	(Btu/W)	7.6
COP	W/W	3.55

REFRIGERANT PIPE DATA

Throttle type	Indoor unit	EEV for cooling
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/172.84
Refrigerant precharge	(ft)	25.0
	(m)	7.5
Additional charge for each ft	(oz/ft)	0.69
	(g/m)	65
Liquid side/ Gas side	(inch)	3/8" / 7/8"
	(mm)	9.52/22
Max. pipe length	(ft)	213.0
	(m)	65
Max. difference in level	(ft)	98.0
	(m)	30
Connection method	Flared	
Indoor(cooling/ heating)	(Deg. °F)	60~90/32~86
	(Deg. °C)	16~32/0~30
Outdoor(cooling/heating)	(Deg. °F)	5~122/5~75
	(Deg. °C)	-15~50/ -15~24
Application area	(sq.ft)	818.06 ~ 1194.79
	(m2)	76 ~ 111

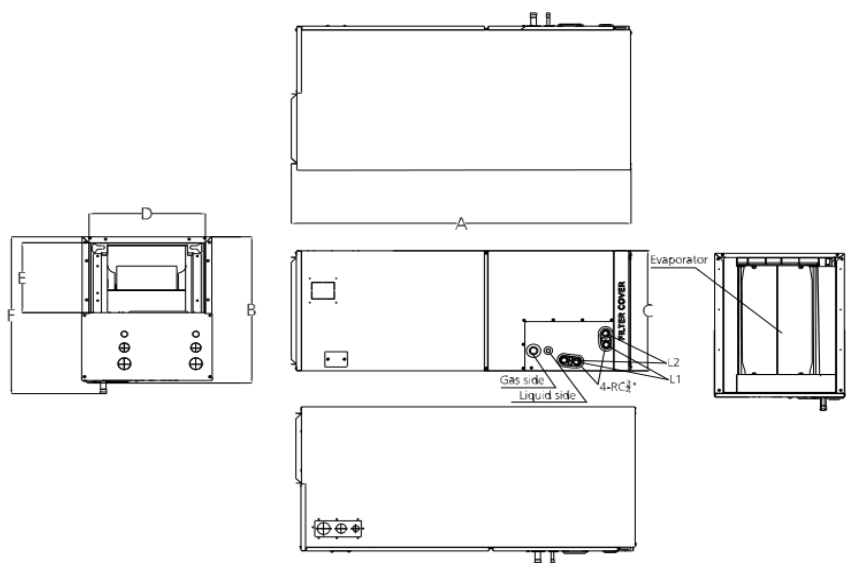
INDOOR UNIT DATA

Indoor fan motor		
Type	Centrifugal	
Model	ZKFD-750-8-1	
Qty	1	
Input	(W)	286.5
RLA	(A)	---
LRA	(A)	---
Winding Resistance	(Ω)	---
Capacitor	(uF)	---
Speed(Hi/Mi/Lo)	(r/min)	-
Air flow & Noise level		
Indoor air flow (Hi/Med/Lo) (ft³/min)	(CFM)	1582.35/1358.82/1135.29
Indoor noise level (Hi/Med/Lc)	[dB(A)]	52.5/49/44
Dehumidification	(Pint/H)	---
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x24.49x52.99
	(mm)	534x622x1346
Packing(WxDxH)	(inch)	25.20x27.76x58.27
	(mm)	640x705x1480
Net/Gross weight	(lbs.)	73.8/86.5
	(kg)	162.70/190.70

OUTDOOR UNIT DATA

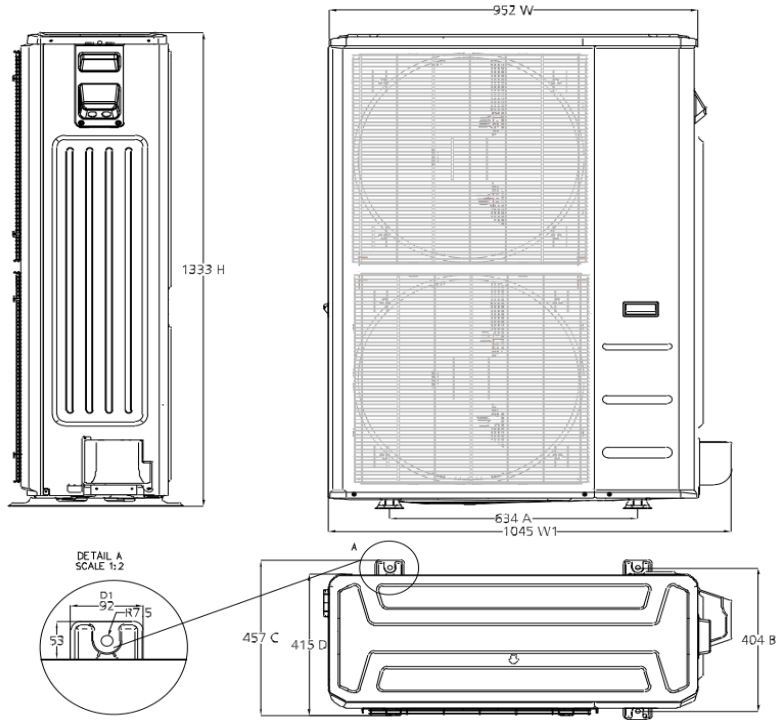
Compressor		
Type	ROTARY	
Model	KTQ420D1UMU	
Brand	GMCC	
Capacity	(Btu/h)	44697
Input	(W)	3420
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	VG74/1400
Outdoor fan motor		
Model	ZKFN-85-8-22-5	
Qty	2	
Input	(W)	126.0
RLA	(A)	---
Speed	(r/min)	900/850/650
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4411.76
Outdoor noise level	[dB(A)]	61
Outdoor unit		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	217.15/248.46
	(kg)	98.5/112.7

Indoor unit dimension



Model	Unit	Dimensions(mm)						Drain hole	
		A	B	C	D	E	F	L1	L2
18k~24k	mm	1143	534	445	400	260	585	Main drain	Overflow drain
	inch	45	21	17-1/2	15-3/4	10-1/4	23		
30k-48k	mm	1245	534	534	490	260	585		
	inch	49	21	21	19-5/16	10-1/4	23		
60k	mm	1346	534	622	580	260	585		
	inch	53	21	24-1/2	22-7/8	10-1/4	23		

Outdoor unit dimension



Fan performance

