



Air Handler System

SUBMITTAL DATA SHEET 36K

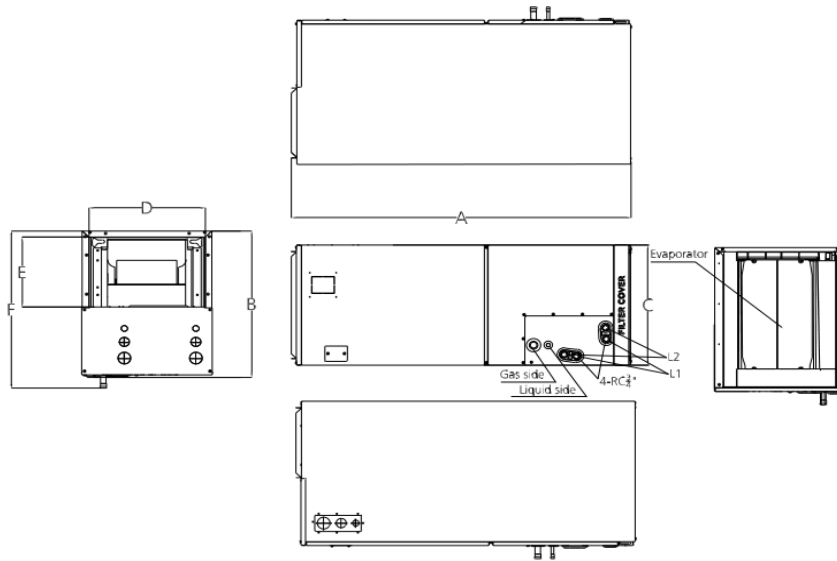
Set Code	22023110000428
Indoor unit code	22023111000251
Outdoor unit code	22023116000082
Set Model	
Indoor unit model	DVC-36HWFN1-M
Outdoor unit model	DOD30U-36HFN1-MR0
Certified	AHRI
	UL



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)	24.0
Max.fuse	(A)	40.0
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Rated Capacity	(Btu/h)	36000
Capacity Range	(Btu/h)	7700~38900
Power Input	(W)	3750
Rated current	(A)	15.82
SEER	(Btu/W)	18
EER	(Btu/W)	10.4
Heating at 47°F		
Rated Capacity	(Btu/h)	36000
Capacity Range	(Btu/h)	6000~36400
Power Input	(W)	3496
Rated current	(A)	16.12
HSPF4	(Btu/W)	9.1
HSPF5	(Btu/W)	7.1
COP	W/W	3.02
REFRIGERANT PIPE DATA		
Throttle type	Indoor unit	EEV for cooling
	Outdoor unit	EEV for heating
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/130.51
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" / 3/4"
	(mm)	9.52/19
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)	516.67 ~ 753.47
	(m2)	48 ~ 70

INDOOR UNIT DATA		
Indoor fan motor		
Type		Centrifugal
Model		ZKFD-375-8-1
Qty		1
Input	(W)	168.0
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) (N)	(CFM)	1082.35/970.59/864.71
Indoor noise level (Hi/Med/Lc)	[dB(A)]	46.8/44/41.3
Dehumidification	(Pint/H)	---
Indoor unit		
Dimension (WxDxH)	(inch)	21.02x21.02x49.02
	(mm)	534x534x1245
Packing(WxDxH)	(inch)	25.20x24.41x54.33
	(mm)	640x620x1380
Net/Gross weight	(lbs.)	58.6/70.6
	(kg)	129.19/155.64
OUTDOOR UNIT DATA		
Compressor		
Type		ROTARY
Model		KTF250D22UMT
Brand		GMCC
Capacity	(Btu/h)	26084.74
Input	(W)	2080
Rated current (RLA)	(A)	-
Refrigerant oil/oil charge	(ml)	VG74/670
Outdoor fan motor		
Model		ZKFN-120-8-2
Qty		1
Input	(W)	150.0
RLA	(A)	--
Speed	(r/min)	1150/1050/900/850
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	2235.29
Outdoor noise level	[dB(A)]	61
Outdoor unit		
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.)	151.68/161.16
	(kg)	68.8/73.1

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

