

SUBMITTAL DATA SHEET

Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

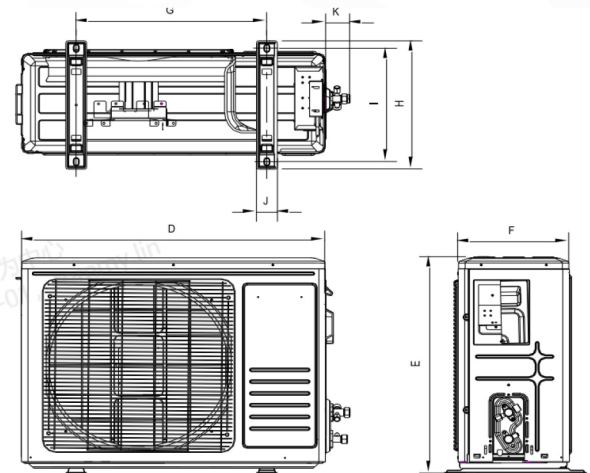
Location _____
 Engineer _____
 Reference _____ Approval _____ Construction _____
 Schedule # _____

AHRI #	217496790		
Outdoor Model #	AODU-1D4S		
Indoor Type	Non-Ducted Ducted Mix		
Certification	ETL	AHRI	
	Energy Star	NEEP	



Outdoor Unit Dimension

Model	Outdoor Unit (inch / mm)			
H42FMH22XPC	D	E	F	G
	39.7/1009	33.6/853	18.4/468	25.9 /660
	H	I	J	K
	19.4 /494	18.2 /462	3.1 /80	2.6 /65.4



36,000 BTU QUAD ZONE Condenser Combinations:

One Unit	Two Units		Three Units		Four Units	
NA	9+18	12+24	9+9+9	9+12+24	9+9+9+9	9+9+12+18
NA	9+24	18+18	9+9+12	9+18+18	9+9+9+12	9+12+12+12
	12+12	18+24	9+9+18	12+12+12	9+9+9+18	12+12+12+12
	12+18	24+24	9+9+24	12+12+18	9+9+12+12	
			9+12+12	12+12+24		
			9+12+18	12+18+18		

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SYSTEM PERFORMANCE DATA

Power supply			208/230 / 1 / 60
Voltage Range (Min - Max)	V		175 - 265
Electrical			
Min. Circuit Ampacity - MCA	A		28
Max. FUSE Size	A		45
Cooling Capacity (Min - Max)			
	BTU/h		35,000 (6,90 ~37,000)
Rated Input Power	W		2750
Rated Current	A		12
Heating Capacity (Min - Max)			
	BTU/h		36,000 (6,900 ~41,000)
Rated Input Power	W		2750
Rated Current	A		12

REFRIGERANT PIPING DATA

Refrigerant Type / Charged	oz	R454b / 98.84
Pre-Charge Length Total	ft (m)	98 (30)
Design Pressure	PSIG	725
Line Set Sized (Liquid - Gas)	in	4X (1/4 – 3/8)
Add. Charge - Φ6.35 (1/4)	oz/ft	0.11
Add. Charge – Φ9.52 (3/8)	oz/ft	0.22
Line Set Length (Max) - Each	ft (m)	98 (30)
Line Set Length (Max) - Total	ft (m)	263 (80)
Max. Line Set Height Difference Btwn. ODU & Furthest IDU	ft (m)	49 (15)
Max. Line Set Height Difference Btwn. IDUs	ft (m)	33(10)
Connection method		Flared
Throttle Type		Capillary + EXV

OUTDOOR UNIT DATA

Compressor Type			INVERTER, DC
Brand & Model			HIGHLY / MTD280SKPC8LT8C
Input	W		1989
Rated current (RLA)	A		10.8
Refrigerant Oil / Charge	ml		850
Motor Type			DC
Brand & Model			Broad Ocean / ZW511D000017
Input	W		200
Speed	r/min		700
Performance			
Air Flow (Max)	CFM		1882
Sound Pressure Level	dB(A)		65
Unit Data			
External Dimensions (W x D x H)	in		42.3 × 18.4 × 33.6
	mm		1074 × 468 × 853
Package Dimensions (W x D x H)	in		44.7 × 20.8 × 38.2
	mm		1135 × 530 × 970
Weight (Net / Gross)	lbs (kgs)		145.5 / 169.8 (66 / 77)
Temperature Range			
Outdoor Cooling Range	°F (°C)		5~131(-5~55)
Outdoor Heating Range	°F (°C)		-13~86 (-25~30)

Limited Warranty

5 Years Parts, 7 Years Compressor, and extend to 10/10 upon reg. within 60 days

SYSTEM PERFORMANCE DATA

SEER2 (Non-Ducted)	22.5	SEER2 (Ducted)	20	MIX SEER2	21
EER2 (Non-Ducted)	12	EER2 (Ducted)	11.7	MIX EER2	11.7
HSPF2-4 (Non-Ducted)	9.5	HSPF2-4 (Ducted)	8.5	MIX HSPF2-4	9
COP (Non-Ducted)	3.5	COP (Ducted)	3.2	MIX COP	3.4