THERMOFLUX

INSPIRE GREATNESS

Multi Zone Ductless Mini Split System- R454b

SUBMITTAL DATA SHEET

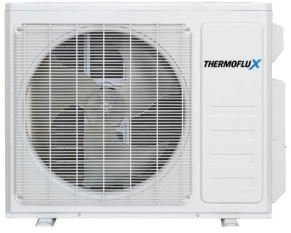
Job Name _____ Location _____

Buyer _____ Engineer _____

Submitted to _____ Reference_____ Approval_____ Construction_____

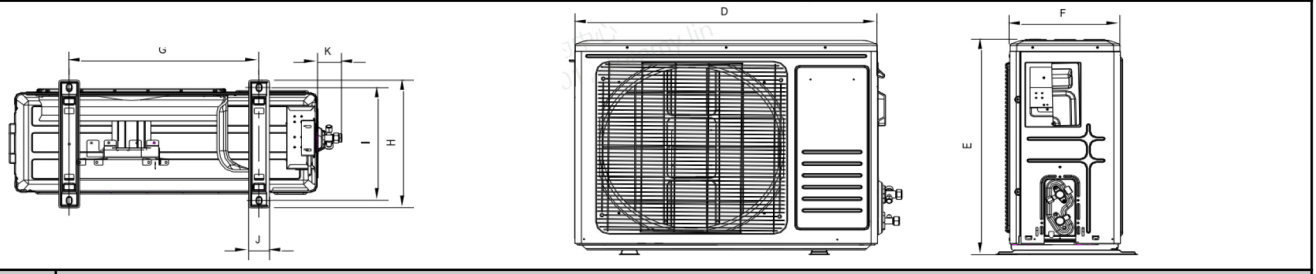
Unit Designation _____ Schedule # _____

AHRI #	**218082707**	
Outdoor Model #	TMFX48HEI2NAS0U25	
Indoor Type	Non-Ducted	
	Ducted	
	Mix	
Certification	ETL	AHRI
	Energy Star	NEEP



(Actual equipment appearance may vary)

Outdoor Unit Dimension



Model	Outdoor Unit (inch/mm)							
	D	E	F	G	H	I	J	K
H27FMH22XPC								

48,000 BTU SIX ZONE Condenser Combinations:

Two Units	Three Units			Four Units			Five Units				Six Units		
6+24	6+6+18	6+18+18	9+12+36	6+6+6+6	6+9+9+18	9+9+12+12	6+6+6+6+6	6+6+9+9+9	6+9+9+9+12	9+9+9+9+9	6+6+6+6+6+6	6+6+6+9+9+24	6+6+9+12+12+18
6+36	6+6+24	6+18+24	9+18+18	6+6+6+9	6+9+9+24	9+9+12+18	6+6+6+6+9	6+6+9+9+12	6+9+9+9+18	9+9+9+9+12	6+6+6+6+6+9	6+6+6+9+12+12	6+6+12+12+12+12
9+18	6+6+36	6+18+36	9+18+24	6+6+6+12	6+9+12+12	9+9+12+24	6+6+6+6+12	6+6+9+9+18	6+9+9+9+24	9+9+9+9+18	6+6+6+6+6+12	6+6+6+9+12+18	6+9+9+9+9+9
9+24	6+9+9	9+9+9	9+18+36	6+6+6+18	6+9+12+18	9+9+18+18	6+6+6+6+18	6+6+9+9+24	6+9+9+12+12	9+9+9+9+24	6+6+6+6+6+18	6+6+6+9+12+24	6+9+9+9+9+12
9+36	6+9+12	9+9+12	12+12+12	6+6+6+24	6+9+12+24	9+9+18+24	6+6+6+6+24	6+6+9+12+12	6+9+9+12+18	9+9+9+12+12	6+6+6+6+6+24	6+6+6+9+18+18	6+9+9+9+9+18
12+12	6+9+18	9+9+18	12+12+18	6+6+9+9	6+9+18+18	9+12+12+12	6+6+6+9+9	6+6+9+12+18	6+9+9+12+24	9+9+9+12+18	6+6+6+6+9+9	6+6+6+12+12+12	6+9+9+9+12+12
12+18	6+9+24	9+9+24	12+12+24	6+6+9+12	6+9+18+24	9+12+12+18	6+6+6+9+12	6+6+9+12+24	6+9+9+18+18	9+9+9+12+24	6+6+6+6+9+12	6+6+6+12+12+18	6+9+9+9+12+18
12+24	6+9+36	9+9+36	12+12+36	6+6+9+18	6+12+12+12	9+12+12+24	6+6+6+9+18	6+6+9+18+18	6+9+12+12+12	9+9+9+18+18	6+6+6+6+9+18	6+6+9+9+9+9	6+9+9+12+12+12
12+36	6+12+12	9+12+12	12+18+18	6+6+9+24	6+12+12+18	9+12+18+18	6+6+6+9+24	6+6+9+18+24	6+9+12+12+18	9+9+12+12+12	6+6+6+6+9+24	6+6+9+9+9+12	6+9+12+12+12+12
18+18	6+12+18	9+12+18	12+18+24	6+6+12+12	6+12+12+24	9+12+18+24	6+6+6+6+12+12	6+6+12+12+12	6+9+12+12+24	9+9+12+12+18	6+6+6+6+6+12+12	6+6+9+9+9+18	9+9+9+9+9+9
18+24	6+12+24	9+12+24	18+18+18	6+6+12+18	6+12+18+18	9+18+18+18	6+6+6+6+12+18	6+6+12+12+18	6+9+12+18+18	9+12+12+12+12	6+6+6+6+6+12+18	6+6+9+9+9+24	9+9+9+9+9+12
18+36	6+12+36			6+6+12+24	6+12+18+24	12+12+12+12	6+6+6+6+12+24	6+6+12+12+24	6+12+12+12+12	9+12+12+12+18	6+6+6+6+6+18+18	6+6+9+9+12+12	9+9+9+9+9+18
24+24				6+6+18+18	9+9+9+9	12+12+12+18	6+6+6+6+18+18	6+6+12+18+18	6+12+12+12+18	12+12+12+12+12	6+6+6+9+9+9	6+6+9+9+12+18	9+9+9+9+12+12
24+36				6+6+18+24	9+9+9+12	12+12+12+24	6+6+6+6+18+24	6+9+9+9+9			6+6+6+9+9+12	6+6+9+12+12+12	9+9+9+12+12+12
				6+9+9+9	9+9+9+18	12+12+18+18					6+6+6+9+9+18		
				6+9+9+12	9+9+9+24								

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Multi Zone Ductless Mini Split System- R454b

SUBMITTAL DATA SHEET

SYSTEM PERFORMANCE DATA		
Power supply		208/230 / 1 / 60
Voltage Range (Min - Max)	V	175 - 265
Electrical		
Min. Circuit Ampacity - MCA	A	37
Max. FUSE Size	A	60
Cooling Capacity	BTU/h	48,000
(Min - Max)		(7,500 ~55,000)
Rated Input Power	W	5,400
Rated Current	A	24.0
Heating Capacity (Min - Max)	BTU/h	48,000
(Min - Max)		(7,500 ~55,000)
Rated Input Power	W	4,430
Rated Current	A	19.8

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R454B / 148.1
Pre-Charge Length Total	ft (m)	148 (45)
Design Pressure	PSIG	725
Line Set Sized (Liquid - Gas)	in	6X (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)	394 (120)
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		Threaded Connection
Throttle Type		Capillary + EXV

OUTDOOR UNIT DATA		
Compressor Type		INVERTER, DC
Brand & Model		GMCC/TTQ480D1UMU1
Input	W	3,750
Rated current (RLA)	A	7.55
Refrigerant Oil / Charge	ml	1,300
Motor Type		DC
Brand & Model		WOLONG/WZD-A02090L-01TL /WZD-A02090L-02TL
Input	W	90
Speed	r/min	800
Performance		
Air Flow (Max)	CFM	/
Sound Pressure Level	dB(A)	69
Unit Data		
External Dimensions (W x H x D)	in	40.71 × 52.68 × 16.1
	mm	1,034 × 1,338 × 409
Package Dimensions (W x H x D)	in	42.52 × 57.36 × 16.93
	mm	1,080 × 1,457 × 430
Weight (Net / Gross)	lbs (kgs)	249.1/276(113/125)
Temperature Range		
Outdoor Cooling Range	°F (°C)	5~131(-5~55)
Outdoor Heating Range	°F (°C)	-22~75 (-30~24)

SYSTEM PERFORMANCE DATA					
SEER2 (Non-Ducted)	24	SEER2 (Ducted)	/	MIX SEER2	/
EER2 (Non-Ducted)	12.3	EER2 (Ducted)	/	MIX EER2	/
HSPF2-4 (Non-Ducted)	10	HSPF2-4 (Ducted)	/	MIX HSPF2-4	/
COP (Non-Ducted)	3.8	COP (Ducted)	/	MIX COP	/