



THERMOFLUX Multi Zone Ductless Mini Split System-R454b

SUBMITTAL DATA SHEET

Job Name _____
 Buyer _____
 Submitted to _____
 Unit Designation _____

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

AHRI #	
Outdoor Model #	TMFX27HEI2NAS0U25
Indoor Type	Non-Ducted TMF09HEI2NAO0T24-IN Ducted Mix
Certification	ETL AHRI 218082705 Energy Star NEEP



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

27,000 BTU Four ZONE Condenser Combinations:												
Two Units			Three Units						Four Units			
6+18	9+18	12+24	6+6+6	6+9+9	6+12+18	9+9+18	9+18+18	6+6+6+6	6+6+9+12	6+6+18+18	6+9+12+18	9+9+9+18
6+24	9+24	18+18	6+6+9	6+9+12	6+12+24	9+9+24	12+12+12	6+6+6+9	6+6+9+18	6+9+9+9	6+12+12+12	9+9+12+12
9+9	12+12	18+24	6+6+12	6+9+18	6+18+18	9+12+12	12+12+18	6+6+6+12	6+6+9+24	6+9+9+12	6+12+12+18	9+9+12+18
9+12	12+18	24+24	6+6+18	6+9+24	9+9+9	9+12+18	12+12+24	6+6+6+18	6+6+12+12	6+9+9+18	9+9+9+9	9+12+12+12
			6+6+24	6+12+12	9+9+12	9+12+24		6+6+6+24	6+6+12+18	6+9+9+24	9+9+9+12	12+12+12+12
								6+6+9+9	6+6+12+24	6+9+12+12		



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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	22
Max. FUSE Size	A	35
Cooling Capacity BTU/h 27,000		
(Min - Max)		(5,500~37,500)
Rated Input Power	W	1928
Rated Current	A	8.9
Heating Capacity (Min - Max) BTU/h 27,000		
(Min - Max)		(5,500 ~4,100)
Rated Input Power	W	1,907
Rated Current	A	8.6

REFRIGERANT PIPING DATA		
Refrigerant Type / Charged	oz	R454B / 98.8
Pre-Charge Length Total	ft (m)	98(30)
Design Pressure	PSIG	725
Line Set Sized (Liquid - Gas)	in	4 X (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)	262 (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	Threaded Connection	
Throttle Type	Capillary + EXV	

OUTDOOR UNIT DATA		
Compressor Type		INVERTER, DC
Brand & Model		HIGHLY/MTD280SKPC8LT8C
Input	W	2,475
Rated current (RLA)	A	10.0
Refrigerant Oil / Charge		850
Motor Type		DC
Brand & Model		DAYANG/ZW511D000017
Input	W	200
Speed	r/min	700
Performance		
Air Flow (Max)	CFM	1,882
Sound Pressure Level	dB(A)	65
Unit Data		
External Dimensions (W x H x D)	in	42.3 × 33.6 × 18.4
	mm	1074 × 853 × 468
Package Dimensions (W x H x D)	in	44.7 × 35.4 × 20.9
	mm	1135 × 900 × 530
Weight (Net / Gross)	lbs (kgs)	145.5/157 (66 / 71)
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)	26.5	SEER2 (Ducted)	/	MIX SEER2	/
EER2 (Non-Ducted)	14	EER2 (Ducted)	/	MIX EER2	/
HSPF2-4 (Non-Ducted)	10.5	HSPF2-4 (Ducted)	/	MIX HSPF2-4	/
COP (Non-Ducted)	4.15	COP (Ducted)	/	MIX COP	/