






# 12000 BTU Single Zone Unit

Engineering  
 Submittal  
 Sheet



Overview and Project Information	
    	Project name Location Architect Engineer General contractor Reference # <b>218082701</b>

12K Btu Single Zone Regular Heat System - Wall Mounted IDU	
Indoor part number	
Indoor model number	<b>TMF12HEI2NAM0T24-IN</b>
Outdoor part number	
Outdoor model number	<b>TMF12HEI2NAM0T24</b>
<b>Efficiency Data</b>	<b>AHRI 210/240 2023</b>
SEER2	25
EER2	14.5
HSPF2 Region IV	10.5
HSPF2 Region V	9
COP2(47F)	4
COP (5F)	1.8
<b>Electrical Data</b>	
Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. circuit ampacity indoor/outdoor (A)	0.6 / 12.0
Max. fuse indoor/outdoor (A)	15.0 / 20.0
<b>Compressor Data</b>	
Type:	Rotary
Refrigerant oil /oil charge (ml)	VG74 / 420
Input (W)	1075
Rated current (RLA/A)	6.75

Performance Data		AHRI 210/240 2023
Cooling	Capacity Range	2500~15600
	Rated Capacity	12000
	Current	4.4
	Input Power	970
Heating	Capacity Range	2500~19700
	Rated Capacity(47F)	12000
	Rated Capacity(5F)	12000
	Current	4.2
	Input Power	925

Operation Range		
ODU	Cooling (°C /°F )	-15~55 / 5~131
	Heating (°C /°F )	-30~24 / -22~75
IDU	Cooling (°C /°F )	17~32 / 63~90
	Heating (°C /°F )	0~27 / 32~81

Piping	
Refrigerant precharge (oz/g)	35.27 / 1000
Length for precharge (ft/m)	7.5 / 25
Liquid side (in/mm)	1/4" / Ø6.35
Gas side (in/mm)	3/8" / Ø9.52
Additional charge per ft (oz/g)	0.11 / 10
Max. refrigerant pipe length (ft/m)	49 / 15
Max. difference in height (ft/m)	33 / 10

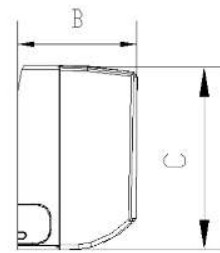
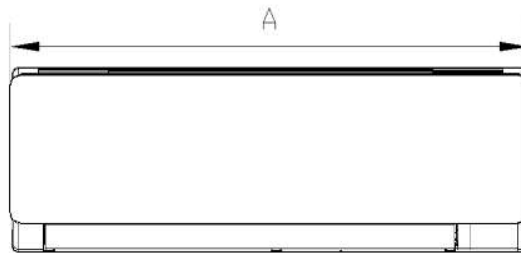
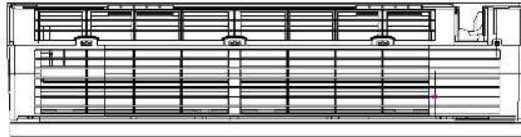
System Data		
Refrigerant type	R454B	
Design pressure (Mpa)	5	
Dehumidification (pts/hr)	1.9	
IDU	Fan motor model	ZKFP-20-8-148
	Fan motor qty (ea)	1
	Fan motor input (W)	25
	Fan speed (RPM)	1200/950/850
	Air flow, H / M / L (CFM)	470/411/323
	Noise level, H / M / L (dB(A))	44/36/32
ODU	Net weight (lbs / kg)	23.1/10.5
	Gross weight (lbs / kg)	30.9/14
	Fan motor model	ZKFN-33-10-11L
	Fan motor qty (ea)	1
	Fan motor input (W)	33
	Fan motor speed, H (RPM)	950
ODU	Noise level, Max (dB(A))	57
	Net weight (lbs / kg)	69.4/31.5
	Gross weight (lbs / kg)	78.3/37

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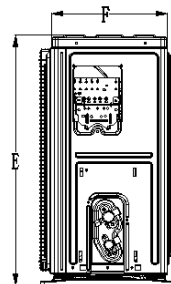
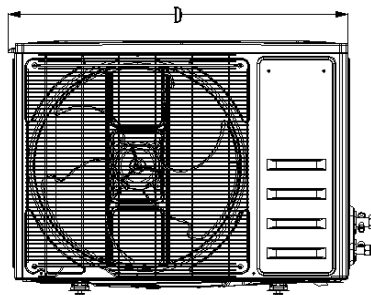
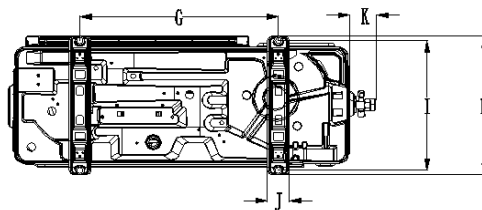


## Indoor Unit Dimensions and Connections



Model	A	B	C
12K	/36.22	/7.69	/12.03

## Outdoor Unit Dimensions and Connections



Model	D	E	F	G	H	I	J	K
12K	/31.26	/23.70	/11.34	/20.31	/13.74	/12.36	/2.13	/2.05