






18000 BTU Single Zone Unit

Engineering
 Submittal
 Sheet



Overview and Project Information	
    	Project name Location Architect Engineer General contractor Reference # 218082702

18K Btu Single Zone Regular Heat System - Wall Mounted IDU	
Indoor part number	
Indoor model number	TMF18HEI2NAM0T24-IN
Outdoor part number	
Outdoor model number	TMF18HEI2NAM0T24
Efficiency Data	AHRI 210/240 2023
SEER2	23.5
EER2	12.5
HSPF2 Region IV	10
HSPF2 Region V	8.8
COP2(47F)	3.64
COP (5F)	1.8
Electrical Data	
Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. circuit ampacity indoor/outdoor (A)	0.6 / 20.0
Max. fuse indoor/outdoor (A)	15.0 / 30.0
Compressor Data	
Type:	Rotary
Refrigerant oil /oil charge (ml)	FV68S / 600
Input (W)	1625
Rated current (RLA/A)	5.12

Performance Data		AHRI 210/240 2023
Cooling	Capacity Range	4100~19400
	Rated Capacity	18000
	Current	6.2
	Input Power	1390
Heating	Capacity Range	2500~19700
	Rated Capacity(47F)	18000
	Rated Capacity(5F)	17800
	Current	6.1
	Input Power	1360

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)	45.86 / 1300
Length for precharge (ft/m)	7.5 / 25
Liquid side (in/mm)	1/4" / Ø6.35
Gas side (in/mm)	1/2" / Ø12.7
Additional charge per ft (oz/g)	0.11 / 10
Max. refrigerant pipe length (ft/m)	65 / 20
Max. difference in height (ft/m)	49 / 15

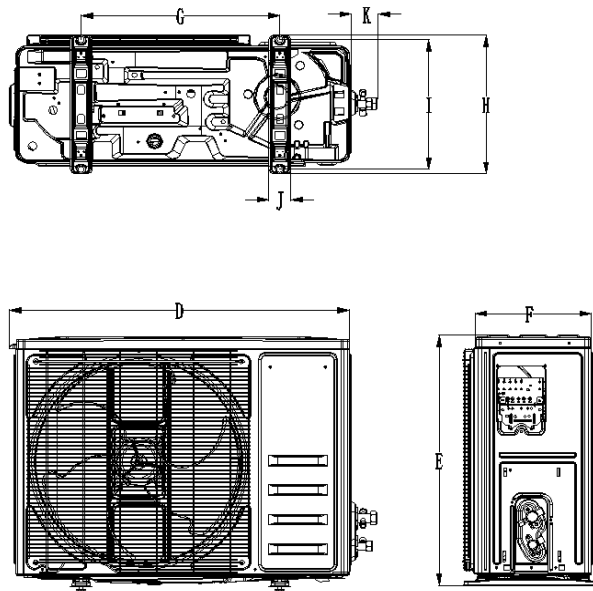
System Data		
Refrigerant type	R454B	
Design pressure (Mpa)	5	
Dehumidification (pts/hr)	2.7	
IDU	Fan motor model	ZWK465B00501
	Fan motor qty (ea)	1
	Fan motor input (W)	45
	Fan speed (RPM)	1150/970/800
	Air flow, H / M / L (CFM)	676/529/423
	Noise level, H / M / L (dB(A))	45/40/37
	Net weight (lbs / kg)	30.9/14
ODU	Gross weight (lbs / kg)	35.3/16
	Fan motor model	ZW511B500074L
	Fan motor qty (ea)	1
	Fan motor input (W)	85
	Fan motor speed, H (RPM)	850
	Noise level, Max (dB(A))	58
	Net weight (lbs / kg)	93.7 / 42.5
Gross weight (lbs / kg)	106.9 / 48.5	

Indoor Unit Dimensions and Connections



Model	A	B	C
18K	/43.19	/8.74	/13.06

Outdoor Unit Dimensions and Connections



Model	D	E	F	G	H	I	J	K
18K	/33.26	/27.51	/12.83	/23.07	/14.76	/13.7	/2.16	/2.2