






24000 BTU Single Zone Unit

Engineering
 Submittal
 Sheet



Overview and Project Information	
 <div style="display: flex; flex-direction: column; align-items: center;">     </div>	Project name Location Architect Engineer General contractor Reference # 218082703

24K Btu Single Zone Regular Heat System - Wall Mounted IDU	
Indoor part number	
Indoor model number	TMF24HEI2NAK0T24-IN
Outdoor part number	
Outdoor model number	TMF24HEI2NAK0T24
Efficiency Data	AHRI 210/240 2023
SEER2	22.5
EER2	11.5
HSPF2 Region IV	10
HSPF2 Region V	8.6
COP2(47F)	3.3
COP (5F)	1.8
Electrical Data	
Power supply (V / Ø / Hz)	208-230 / 1 / 60
Min. circuit ampacity indoor/outdoor (A)	0.6 / 21.0
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

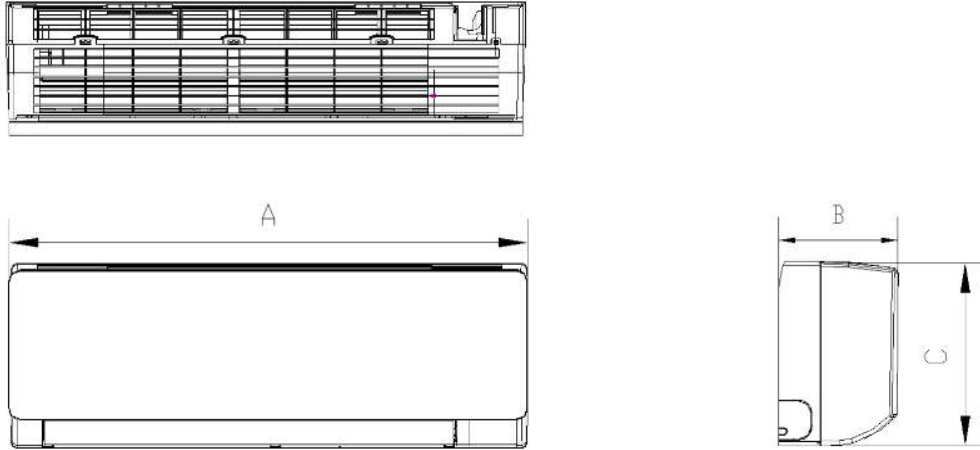
Performance Data		AHRI 210/240 2023
Cooling	Capacity Range	4800~25200
	Rated Capacity	24000
	Current	8.3
	Input Power	1860
Heating	Capacity Range	4800~26900
	Rated Capacity(47F)	24000
	Rated Capacity(5F)	22400
	Current	9
	Input Power	2000

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)	55 / 73 / 1580
Length for precharge (ft/m)	7.5 / 25
Liquid side (in/mm)	1/4" / Ø6.35
Gas side (in/mm)	5/8" / Ø15.88
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

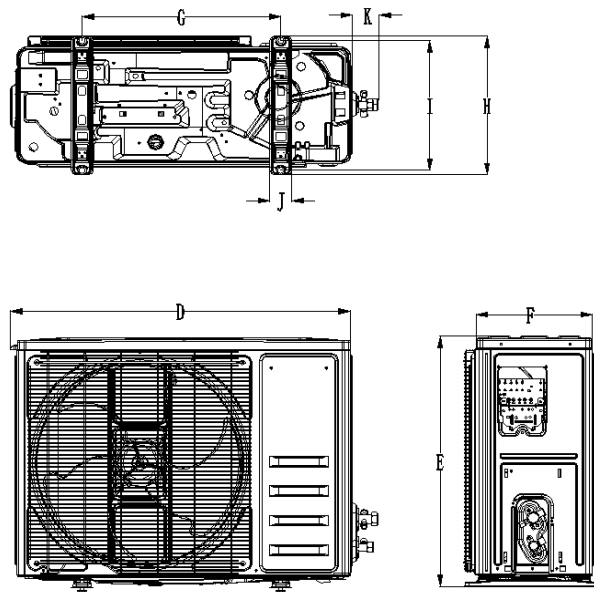
System Data		
Refrigerant type	R454B	
Design pressure (Mpa)	5	
Dehumidification (pts/hr)	3.4	
IDU	Fan motor model	ZWK465B00501
	Fan motor qty (ea)	1
	Fan motor input (W)	45
	Fan speed (RPM)	1150/970/800
	Air flow, H / M / L (CFM)	676/529/423
	Noise level, H / M / L (dB(A))	47/42/37
	Net weight (lbs / 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))	61
	Net weight (lbs / kg)	108 / 49
Gross weight (lbs / kg)	122.4 / 55.5	

Indoor Unit Dimensions and Connections



Model	A	B	C
24K	/43.19	/8.74	/13.06

Outdoor Unit Dimensions and Connections



Model	D	E	F	G	H	I	J	K
24K	/35.83	/31.61	/14.13	/23.9	/16.57	/15.35	/2.36	/2.48