



SUBMITTAL DATA

TM48D6MO
48000 BTU/H Multi-Zone Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submmited to	For	
Unit Designation	Schedule No.	



TM48D6MO

GENERAL FEATURES

- AHRI Certificate: [216618256 \(Non-Ducted\)](#)
[216618257 \(Ducted\)](#)
[216618258 \(Mixed\)](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto Restart on Power Outages
- Multi-point Diagnostics
- Wi-Fi Included (Factory Installed)
- Low Ambient Cooling down to -22°F (Range -22°F to 118°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			HEAT PUMP
Outdoor Model			TM48D6MO
Number of Zones			2 - 5
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	48,000
Heating Capacity	Min - Max	Btu/h	14,007 - 49,200
	Capacity @47°F	Btu/h	48,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	37,800
SEER2			21
EER2			12.0
HSPF2			10.0
COP @5°F			2.10
SYSTEM PERFORMANCE (Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	48,000
Heating Capacity	Min - Max	Btu/h	14,007 - 49,200
	Capacity @47°F	Btu/h	48,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	36,000
SEER2			18.0
EER2			11.7
HSPF2			8.1
COP @5°F			1.90
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	11,765 - 53,799
	Capacity @95°F	Btu/h	48,000
Heating Capacity	Min - Max	Btu/h	14,007 - 49,200
	Capacity @47°F	Btu/h	48,000
	Capacity @17°F	Btu/h	40,000
	Capacity Max @5°F	Btu/h	37,000
SEER2			19.0
EER2			11.8
HSPF2			9.0
COP @5°F			1.84
OUTDOOR UNIT			TM48D6MO
Cooling Temperature Range		°F	-22 - 118
Heating Temperature Range		°F	-22 - 75
Refrigerant Type		R32	
Cmpressor Type		GREE G-20 / Double Cylinder / 1 - STAGE INVERTER	
Sound Pressure Level		dB(A)	63
External Dimensions (W x H x D)		in	40-10/64 × 32-33/64 × 16-52/64
Package Dimension (W x H x D)		in	43-1/32 × 34-27/32 × 19-9/16
Net Weight		lbs	174.2
Gross Weight		lbs	189.6
REFRIGERANT PIPING			
Refrigerant Charge - R32		oz	95.256
Cmpressor Type		GREE G-20 / Double Cylinder / 1 - STAGE INVERTER	
Additional Charge		oz/ft	0.2
Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8	
	Port B (in)	1/4 - 3/8	
	Port C (in)	1/4 - 3/8	
	Port D (in)	1/4 - 3/8	
	Port E (in)	1/4 - 3/8	
Pre-Charge Length		ft	164
Pipe Length (Min - Max)		ft	10 - 328
Pipe Length to furthest Indoor Unit		ft	82
Max. Pipe Elevation		ft	82

ELECTRICAL		
Power Supply		208-230V / 1Ph / 60Hz
Voltage Range (Min - Max)	VAC	187 - 253
Rated Current - Cooling	A	21.7
Rated Current - Heating	A	22.6
MCA	A	30
MOCP	A	45
Suggested Breaker Size	A	30
Main Power Wire Size	AWG	Per Local Code
Interconnecting Wire Size	AWG	14 / 4
FEATURES & FUNCTIONS SUMMARY		
Inverter Type	G20	
Ultra Low Frequency Torque Control	Yes	
Compressor Type - Inverter	Yes	
Basepan With Electric Heater	High Efficiency Rotary	
Indoor & Outdoor Fin Coating (Blue Fin)	Yes	
Intelligent Defrosting	Yes	
Intelligent Preheating	Yes	
Low Voltage Startup	Yes	
Memory/Power Failure Recovery	Yes	
Self Diagnosis	Yes	

ALLOWABLE COMBINATIONS CAPACITIES

MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
TM48D6MO	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
TM48D6MO	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
TM48D6MO	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
TM48D6MO	5K+5K+5K+5K+5K	5,000	5,000	5,000	5,000	5,000	6,000	6,000	6,000	6,000	6,000
TM48D6MO	7K+7K+7K+7K+7K	7,000	7,000	7,000	7,000	7,000	8,000	8,000	8,000	8,000	8,000
TM48D6MO	5K+5K+5K+5K+7K	5,000	5,000	5,000	5,000	7,000	6,000	6,000	6,000	6,000	8,000
TM48D6MO	5K+5K+5K+7K+7K	5,000	5,000	5,000	7,000	7,000	6,000	6,000	6,000	8,000	8,000
TM48D6MO	5K+5K+7K+7K+7K	5,000	5,000	7,000	7,000	7,000	6,000	6,000	8,000	8,000	8,000
TM48D6MO	5K+7K+7K+7K+7K	5,000	7,000	7,000	7,000	7,000	6,000	8,000	8,000	8,000	8,000
TM48D6MO	9K+18K	9,000	18,000				9,000	18,000			
TM48D6MO	9K+24K	9,000	24,000				9,000	24,000			
TM48D6MO	12K+12K	12,000	12,000				12,000	12,000			
TM48D6MO	12K+18K	12,000	18,000				12,000	18,000			
TM48D6MO	12K+24K	12,000	24,000				12,000	24,000			
TM48D6MO	18K+18K	18,000	18,000				18,000	18,000			
TM48D6MO	18K+24K	18,000	24,000				18,000	24,000			
TM48D6MO	24K+24K	24,000	24,000				24,000	24,000			
TM48D6MO	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
TM48D6MO	9K+9K+12K	9,000	9,000	12,000			9,000	9,000	12,000		
TM48D6MO	9K+9K+18K	9,000	9,000	18,000			9,000	9,000	18,000		
TM48D6MO	9K+9K+24K	9,000	9,000	24,000			9,000	9,000	24,000		
TM48D6MO	9K+12K+12K	9,000	12,000	12,000			9,000	12,000	12,000		
TM48D6MO	9K+12K+18K	9,000	12,000	18,000			9,000	12,000	18,000		
TM48D6MO	9K+12K+24K	9,000	12,000	24,000			9,000	12,000	24,000		
TM48D6MO	9K+18K+18K	9,000	18,000	18,000			9,000	18,000	18,000		
TM48D6MO	9K+18K+24K	8,470	16,941	22,589			8,470	16,941	22,589		
TM48D6MO	9K+24K+24K	7,580	20,210	20,210			7,580	20,210	20,210		
TM48D6MO	12K+12K+12K	12,000	12,000	12,000			12,000	12,000	12,000		
TM48D6MO	12K+12K+18K	12,000	12,000	18,000			12,000	12,000	18,000		
TM48D6MO	12K+12K+24K	12,000	12,000	24,000			12,000	12,000	24,000		
TM48D6MO	12K+18K+18K	12,000	18,000	18,000			12,000	18,000	18,000		
TM48D6MO	12K+18K+24K	10,666	16,000	21,334			10,666	16,000	21,334		
TM48D6MO	12K+24K+24K	9,600	19,200	19,200			9,600	19,200	19,200		
TM48D6MO	18K+18K+18K	16,000	16,000	16,000			16,000	16,000	16,000		
TM48D6MO	18K+18K+24K	14,400	14,400	19,200			14,400	14,400	19,200		
TM48D6MO	18K+24K+24K	13,090	17,455	17,455			13,090	17,455	17,455		
TM48D6MO	24K+24K+24K	16,000	16,000	16,000			16,000	16,000	16,000		
TM48D6MO	9K+9K+9K+9K	9,000	9,000	9,000	9,000		9,000	9,000	9,000	9,000	
TM48D6MO	9K+9K+9K+12K	9,000	9,000	9,000	12,000		9,000	9,000	9,000	12,000	
TM48D6MO	9K+9K+9K+18K	9,000	9,000	9,000	18,000		9,000	9,000	9,000	18,000	
TM48D6MO	9K+9K+9K+24K	8,470	8,470	8,470	22,590		8,470	8,470	8,470	22,590	
TM48D6MO	9K+9K+12K+12K	9,000	9,000	12,000	12,000		9,000	9,000	12,000	12,000	

MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
TM48D6MO	9K+9K+12K+18K	9,000	9,000	12,000	18,000		9,000	9,000	12,000	18,000	
TM48D6MO	9K+9K+12K+24K	8,000	8,000	10,666	21,334		8,000	8,000	10,666	21,334	
TM48D6MO	9K+9K+18K+18K	8,000	8,000	16,000	16,000		8,000	8,000	16,000	16,000	
TM48D6MO	9K+9K+18K+24K	7,200	7,200	14,400	19,200		7,200	7,200	14,400	19,200	
TM48D6MO	9K+12K+12K+12K	9,000	12,000	12,000	12,000		9,000	12,000	12,000	12,000	
TM48D6MO	9K+12K+12K+18K	8,470	11,294	11,294	16,942		8,470	11,294	11,294	16,942	
TM48D6MO	9K+12K+12K+24K	7,580	10,105	10,105	20,210		7,580	10,105	10,105	20,210	
TM48D6MO	9K+12K+18K+18K	7,579	10,105	15,158	15,158		7,579	10,105	15,158	15,158	
TM48D6MO	9K+12K+18K+24K	6,857	9,143	13,715	18,285		6,857	9,143	13,715	18,285	
TM48D6MO	9K+18K+18K+18K	6,858	13,714	13,714	13,714		6,858	13,714	13,714	13,714	
TM48D6MO	12K+12K+12K+12K	12,000	12,000	12,000	12,000		12,000	12,000	12,000	12,000	
TM48D6MO	12K+12K+12K+18K	10,666	10,666	10,666	16,002		10,666	10,666	10,666	16,002	
TM48D6MO	12K+12K+12K+24K	9,600	9,600	9,600	19,200		9,600	9,600	9,600	19,200	
TM48D6MO	12K+12K+18K+18K	9,600	9,600	14,400	14,400		9,600	9,600	14,400	14,400	
TM48D6MO	12K+18K+18K+18K	8,730	13,090	13,090	13,090		8,730	13,090	13,090	13,090	
TM48D6MO	12K+18K+18K+24K	8,000	12,000	12,000	16,000		8,000	12,000	12,000	16,000	
TM48D6MO	18K+18K+18K+18K	12,000	12,000	12,000	12,000		12,000	12,000	12,000	12,000	
TM48D6MO	9K+9K+9K+9K+9K	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
TM48D6MO	9K+9K+9K+9K+12K	9,000	9,000	9,000	9,000	12,000	9,000	9,000	9,000	9,000	12,000
TM48D6MO	9K+9K+9K+9K+18K	8,000	8,000	8,000	8,000	16,000	8,000	8,000	8,000	8,000	16,000
TM48D6MO	9K+9K+9K+9K+24K	7,200	7,200	7,200	7,200	19,200	7,200	7,200	7,200	7,200	19,200
TM48D6MO	9K+9K+9K+12K+12K	8,472	8,472	8,472	11,291	11,291	8,472	8,472	8,472	11,291	11,291
TM48D6MO	9K+9K+9K+12K+18K	7,579	7,579	7,579	10,105	15,158	7,579	7,579	7,579	10,105	15,158
TM48D6MO	9K+9K+9K+12K+24K	6,857	6,857	6,857	9,143	18,286	6,857	6,857	6,857	9,143	18,286
TM48D6MO	9K+9K+9K+18K+18K	6,858	6,858	6,858	13,713	13,713	6,858	6,858	6,858	13,713	13,713
TM48D6MO	9K+9K+9K+18K+24K	6,260	6,260	6,260	12,522	16,698	6,260	6,260	6,260	12,522	16,698
TM48D6MO	9K+9K+12K+12K+12K	8,001	8,001	10,666	10,666	10,666	8,001	8,001	10,666	10,666	10,666
TM48D6MO	9K+9K+12K+12K+18K	7,200	7,200	9,600	9,600	14,400	7,200	7,200	9,600	9,600	14,400
TM48D6MO	9K+9K+12K+12K+24K	6,546	6,546	8,727	8,727	17,454	6,546	6,546	8,727	8,727	17,454
TM48D6MO	9K+9K+12K+18K+18K	6,545	6,545	8,728	13,091	13,091	6,545	6,545	8,728	13,091	13,091
TM48D6MO	9K+9K+12K+18K+24K	6,000	6,000	8,000	12,000	16,000	6,000	6,000	8,000	12,000	16,000
TM48D6MO	9K+12K+12K+12K+12K	7,580	10,105	10,105	10,105	10,105	7,580	10,105	10,105	10,105	10,105
TM48D6MO	9K+12K+12K+12K+18K	6,860	9,142	9,142	9,142	13,714	6,860	9,142	9,142	9,142	13,714
TM48D6MO	9K+12K+12K+12K+24K	6,255	8,349	8,349	8,349	16,698	6,255	8,349	8,349	8,349	16,698
TM48D6MO	9K+12K+12K+18K+18K	6,260	8,348	8,348	12,522	12,522	6,260	8,348	8,348	12,522	12,522
TM48D6MO	12K+12K+12K+12K+12K	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600	9,600
TM48D6MO	12K+12K+12K+12K+18K	8,727	8,727	8,727	8,727	13,092	8,727	8,727	8,727	8,727	13,092
TM48D6MO	12K+12K+12K+12K+24K	8,000	8,000	8,000	8,000	16,000	8,000	8,000	8,000	8,000	16,000
TM48D6MO	12K+12K+12K+18K+18K	8,000	8,000	8,000	12,000	12,000	8,000	8,000	8,000	12,000	12,000

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

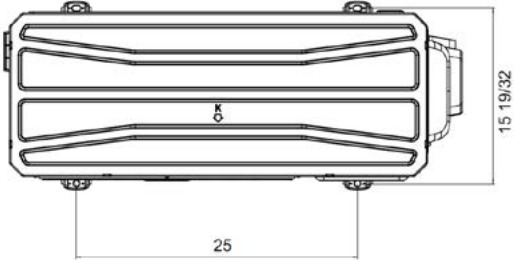
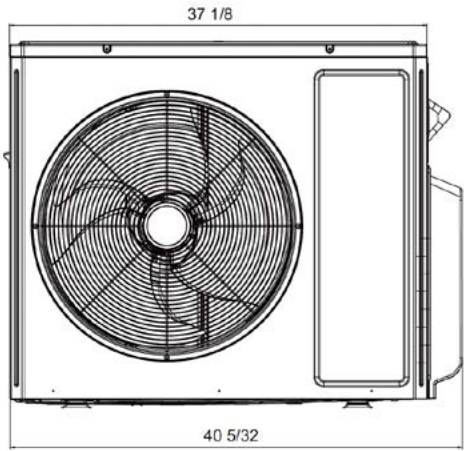
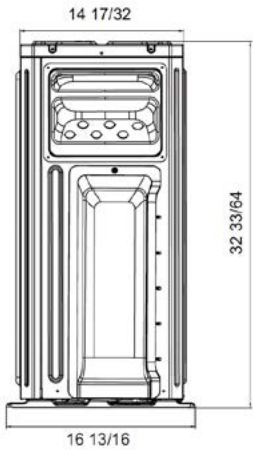
DIMENSIONS

OUTDOOR UNIT

Unit: inch

TM48D6MO

DIMENSIONS



CLEARANCES

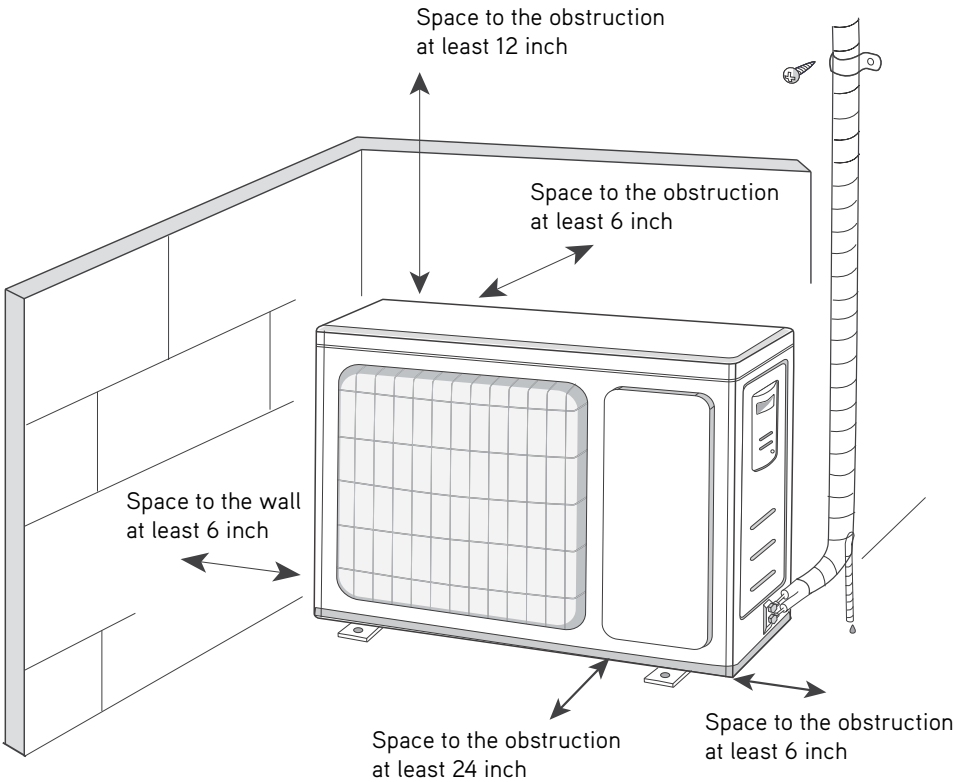
OUTDOOR UNIT

Minimum clearance

3 inch

NOTE:

If bottom of the unit is free of airflow obstructions similar to the mounting bracket figure, the clearance to the wall on the back can be reduced to 3 inches.



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