

HYDRONIC

Geothermal Heat Pump



When COMFORT Matters

Did you know geothermal heat pumps can save you up to 70% of the cost of heating and cooling your home? But you don't have to choose between savings and comfort. TTHERM GEO™ heat pumps are built in Minnesota with your family's comfort in mind. We understand what it takes to harness the earth's energy in this northern climate and use our exclusive GEO LOGIC™ controls to optimize **both comfort and savings** where you live.

The TTHERM GEO™ geothermal heat pumps are better by design:

- Optimized efficiency in all modes
- Ultra quiet operation
- Built to outlast the competition

TTHERM GEO™ geothermal heat pumps are designed by a company with 30 years of experience in the geothermal industry and offer a lifetime cabinet warranty, 10 year refrigeration parts and labor warranty allowing you to enjoy many years of home comfort and confident, trouble-free operation.

APPLICATIONS:

- Radiant Basements
- Radiant Garages
- Fan Coils for Heating & Cooling
- Pools
- Radiant Farm Shops



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Performance & Dimensions

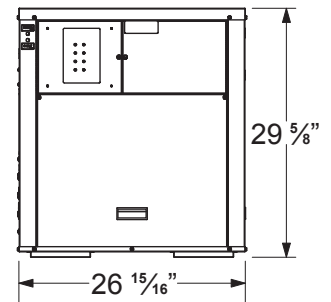
Ground Loop Operation ARI/ISO 13256-2, capacities in BTU's/ hour

	Model	GPM ¹	Heating Capacities				Cooling Capacities			
			Part Load		Full Load		Part Load		Full Load	
			@41° F	COP	@32° F	COP	@68° F	EER	@77° F	EER
Single Stage	THA-036*	12	–	–	32,300	3.1	–	–	36,600	16.1
	THA-048*	16	–	–	45,200	3.1	–	–	54,200	16.1
	THA-060*	15	–	–	52,000	3.1	–	–	58,200	16.1
	THA-072*	18/20	–	–	62,900	3.1	–	–	71,900	16.1
Two Stage	THT-096*	16	52,200	3.5	86,900	2.9	53,100	18.3	95,700	15.7
	THT-120*	20	55,500	3.5	99,900	2.8	57,000	18.1	103,200	15.6
	THT-144	24	68,500	3.3	121,000	2.7	70,000	18.0	126,000	14.4

* Meets Energy Star tier 3 standards

1. Loop flow rate may need to be adjusted for proper earth loop performance.

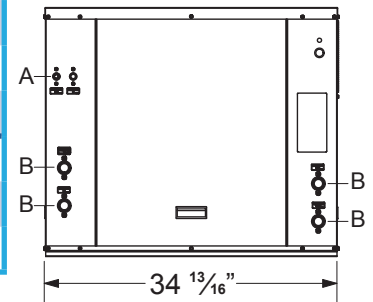
Front: THA 036–048



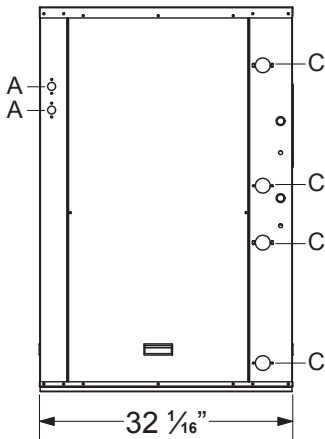
Ground Source (Open Loop) Operation ARI/ISO 13256-2, capacities in BTU's/ hour

	Model	GPM	Heating Capacities				Cooling Capacities			
			Part Load		Full Load		Part Load		Full Load	
			@50° F	COP	@50° F	COP	@59° F	EER	@59° F	EER
Single Stage	THA-036*	12	–	–	43,900	3.7	–	–	40,100	20.7
	THA-048*	16	–	–	60,100	3.6	–	–	55,100	20.1
	THA-060*	15	–	–	68,000	3.7	–	–	65,000	20.4
	THA-072*	18/20	–	–	80,500	3.7	–	–	75,000	20.1
Two Stage	THT-096*	16	58,200	3.8	110,200	3.5	55,100	21.5	103,000	19.7
	THT-120*	20	71,500	3.8	128,000	3.5	64,000	21.0	120,000	19.5
	THT-144	24	78,500	3.7	147,600	3.4	73,500	20.2	137,500	19.0

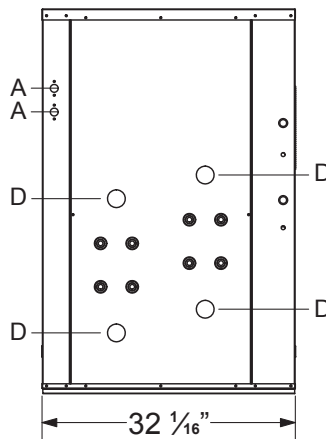
Left: THA 036–048



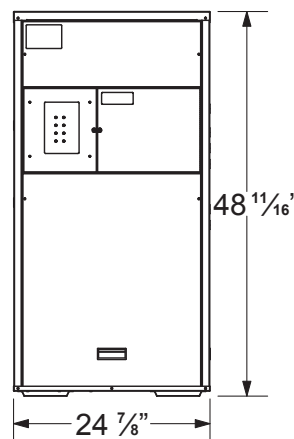
Left: THA 060 –072



Left: THT 096–144



Front: THA 060–144



Water Connection Sizes

A	B	C	D
1/2"	1"	1 1/4"	1 1/2"
FPT	FPT	FPT	MPT



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