



# Up to 36.5 EER Geothermal Heat Pump

The Geocool® eco-friendly series geothermal heat pump provides the homeowner with ultimate comfort and performance in one compact, easy to install unit. It uses chlorine-free and non-depleting R410A refrigerant that not only helps save money on energy bills, but also reduces air pollution.

+ complete install  
kits available



- ✓ Quiet Running
- ✓ 2 Stage Compressor
- ✓ Horizontal/Vertical

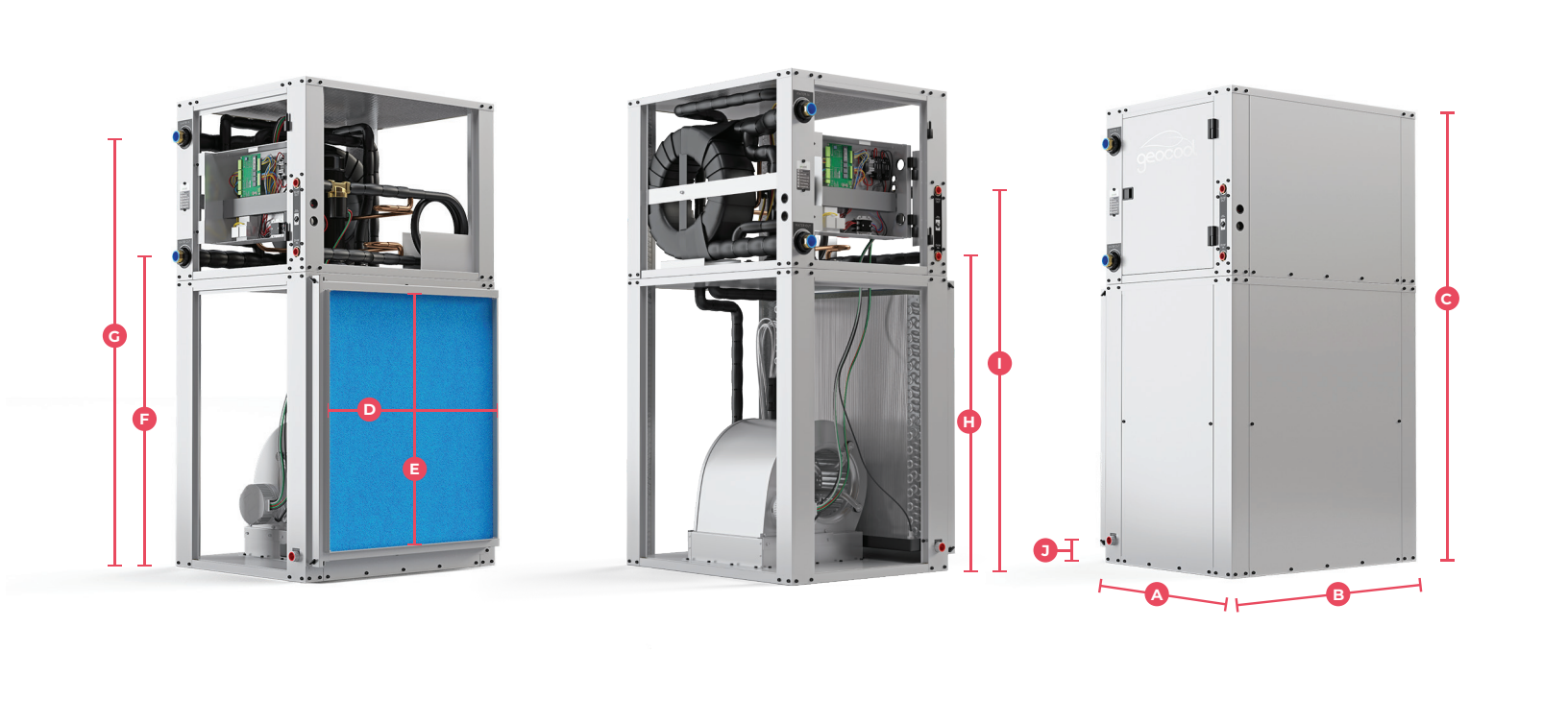
- ✓ Brushed Aluminum Cabinet
- ✓ Safeguards & Diagnostics
- ✓ Best in Class Efficiency

- ✓ Energy Efficient
- ✓ Compact Design



†Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty; 15-year for heat exchanger where specified). Warranty must be registered online within 60 days of installation to qualify for extended coverage. Unregistered equipment defaults to 5-year coverage.





## DIMENSIONAL DATA

MODEL		CABINET			RETURN		GROUND LOOP		DESUPERHEATER		CONDENSATE	WEIGHT
		A X B X C			D X E	FILTER SIZE	F	G	H	I	J	
2 Ton	DOWNFLOW	25.75	32.00	56.00	26 X 28	28 X 30	35.88	47.94	35.275	43.525	3.75	325* - 335** LBS
3 Ton	DOWNFLOW	25.75	32.00	56.00	26 X 28	28 X 30	35.88	51.25	35.275	43.525	3.75	350* - 360** LBS
4 Ton	DOWNFLOW	25.75	32.00	60.00	30 X 28	32 X 30	39.88	55.13	39.275	47.525	3.75	380* - 390** LBS
5 Ton	DOWNFLOW	25.75	32.00	64.00	34 X 28	36 X 30	43.88	60.50	43.275	51.525	3.75	415* - 425** LBS

GROUND LOOP CONNECTIONS: 1" FPT / DESUPERHEATER CONNECTIONS: 3/4" FPT / CONDENSATE CONNECTION: 3/4" FPT

\* UNIT WEIGHT NO DHW

FILTER RACK WIDTH IS 3". ("A" DIMENSION DOES NOT INCLUDE FILTER RACK WIDTH)

\*\* UNIT WEIGHT WITH DESUPERHEATER

PERFORMANCE RATINGS												
<div><div>OPEN LOOP</div><div>(GROUND WATER HEAT PUMP)</div><div>COOLINGHEATING</div><div>Entering Water Temperature 59FEntering Water Temperature 50F</div></div> <div><div>CLOSED LOOP</div><div>(GROUND LOOP HEAT PUMP)</div><div>COOLINGHEATING</div><div>Entering Brine Temperature Full Load: 77F / Part Load: 68FEntering Brine Temperature Full Load: 32F / Part Load: 41F</div></div>												
MODEL	LOAD	FLUID FLOW	AIRFLOW	AIRFLOW	CAPACITY	EER	CAPACITY	COP	CAPACITY	EER	CAPACITY	COP
		(GPM)	(COOLING CFM)	(HEATING CFM)	(BTU/HR)		(BTU/HR)		(BTU/HR)		(BTU/HR)	
2 Ton	Full	8.0	1000	950	29,000	27.4	25,700	5.4	27,000	20.7	19,900	4.2
	Part	7.0	850	800	23,000	36.5	19,000	5.5	21,900	29.1	16,500	4.7
3 Ton	Full	9.0	1350	1300	43,000	27.2	38,000	5.3	39,000	20.6	29,000	4.4
	Part	8.0	1150	1100	33,000	35.7	27,500	5.6	30,300	29.0	24,000	4.8
4 Ton	Full	12.0	1850	1750	56,000	26.0	50,000	4.9	50,000	19.2	39,400	4.0
	Part	11.0	1550	1500	41,000	33.0	34,500	5.0	38,000	27.0	30,000	4.5
5 Ton	Full	15.0	2300	2200	72,500	24.0	64,500	4.9	66,500	17.5	50,500	4.0
	Part	14.0	1950	1850	55,200	31.0	47,000	5.2	53,400	26.0	41,000	4.6

HEATING CAPACITIES BASED ON 68.0°F DB / 59.0°F WB ENTERING AIR TEMPERATURE

ALL RATINGS BASED ON 208V / 60Hz / 1ph

COOLING CAPACITIES BASED ON 80.6°F DB / 66.2°F WB ENTERING AIR TEMPERATURE



## DIMENSIONAL DATA

MODEL	CABINET		RETURN		GROUND LOOP		DESUPERHEATER		CONDENSATE	WEIGHT
		A X B X C	D X E	FILTER SIZE	F	G	H	I	J	
<b>2 Ton</b>	VERTICAL	25.75 X 32.00 X 44.00	26 X 28	28 X 30	3.00	15.06	2.40	10.65	13.145	325* / 335** LBS
<b>3 Ton</b>	VERTICAL	25.75 X 32.00 X 44.00	26 X 28	28 X 30	3.00	18.38	2.40	10.65	13.145	350* / 360** LBS
<b>4 Ton</b>	VERTICAL	25.75 X 32.00 X 48.00	30 X 28	32 X 30	3.00	18.25	2.40	10.65	13.145	380* / 390** LBS
<b>5 Ton</b>	VERTICAL	25.75 X 32.00 X 52.00	34 X 28	36 X 30	3.00	19.63	2.40	10.65	13.145	415* / 425** LBS

GROUND LOOP CONNECTIONS: 1" FPT / DESUPERHEATER CONNECTIONS: 3/4" FPT / CONDENSATE CONNECTION: 3/4" FPT

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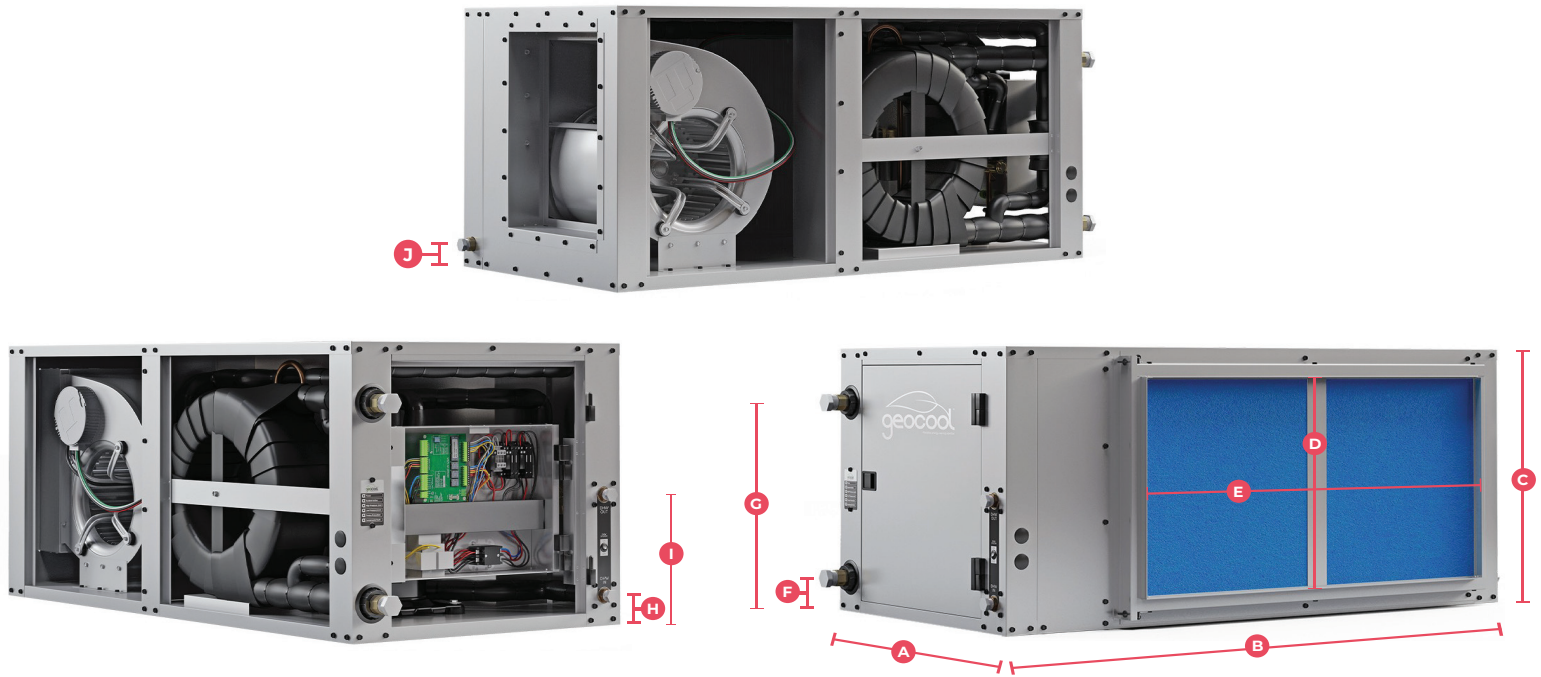
## PERFORMANCE RATINGS

OPEN LOOP (GROUND WATER HEAT PUMP)									CLOSED LOOP (GROUND LOOP HEAT PUMP)			
MODEL	LOAD	FLUID FLOW (GPM)	AIRFLOW (COOLING CFM)	AIRFLOW (HEATING CFM)	COOLING		HEATING		COOLING		HEATING	
					Entering Water Temperature 59F	EER	Entering Water Temperature 50F	COP	Entering Brine Temperature Full Load: 77F / Part Load: 68F	EER	Entering Brine Temperature Full Load: 32F / Part Load: 41F	COP
					CAPACITY (BTU/HR)		CAPACITY (BTU/HR)		CAPACITY (BTU/HR)		CAPACITY (BTU/HR)	
<b>2 Ton</b>	Full	8.0	1000	950	29,000	27.4	25,700	5.4	27,000	20.7	19,900	4.2
	Part	7.0	850	800	23,000	36.5	19,000	5.5	21,900	29.1	16,500	4.7
<b>3 Ton</b>	Full	9.0	1350	1300	43,000	27.2	38,000	5.3	39,000	20.6	29,000	4.4
	Part	8.0	1150	1100	33,000	35.7	27,500	5.6	30,300	29.0	24,000	4.8
<b>4 Ton</b>	Full	12.0	1850	1750	56,000	26.0	50,000	4.9	50,000	19.2	39,400	4.0
	Part	11.0	1550	1500	41,000	33.0	34,500	5.0	38,000	27.0	30,000	4.5
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COOLING CAPACITIES BASED ON 80.6°F DB / 66.2°F WB ENTERING AIR TEMPERATURE

ALL RATINGS BASED ON 208V / 60Hz / 1ph



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MODEL	CABINET			RETURN		GROUND LOOP		DESUPERHEATER		CONDENSATE	WEIGHT
		A X B X C		D X E	FILTER SIZE	F	G	H	I	J	
<b>2 Ton</b>	HORIZONTAL	25.75 X 51.00 X 23.125		18 X 35	20 X 37	3.00	15.06	2.40	10.65	1.75	325* - 335** LBS
<b>3 Ton</b>	HORIZONTAL	25.75 X 51.00 X 23.125		18 X 35	20 X 37	3.00	18.38	2.40	10.65	1.75	350* - 360** LBS
<b>4 Ton</b>	HORIZONTAL	25.75 X 56.00 X 23.125		18 X 40	20 X 42	3.00	18.25	2.40	10.65	1.75	380* - 390** LBS
<b>5 Ton</b>	HORIZONTAL	25.75 X 61.00 X 23.125		18 X 45	20 X 47	3.00	19.63	2.40	10.65	1.75	415* - 425** LBS

GROUND LOOP CONNECTIONS: 1" FPT / DESUPERHEATER CONNECTIONS: 3/4" FPT / CONDENSATE CONNECTION: 3/4" FPT

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