

geocool[®] Inverter Series

Reliable energy-saving comfort.



Up to 70 EER DC Inverter Geothermal Heat Pump

Embrace comfort with the GeoCool[®] all DC Inverter Technology. Equipped with the high-precision Electronic Expansion Valve, allowing for more accurate temperature control while also keeping the utility bill down.

The flexibility of four independent modules makes it easy to meet the installation requirements of different air outlet methods and applications. Space constraints are less of an issue when a custom built layout is an option!

For a long term solution with lower maintenance costs, design your own GeoCool[®] Inverter Series Geothermal unit.

COMING SOON!

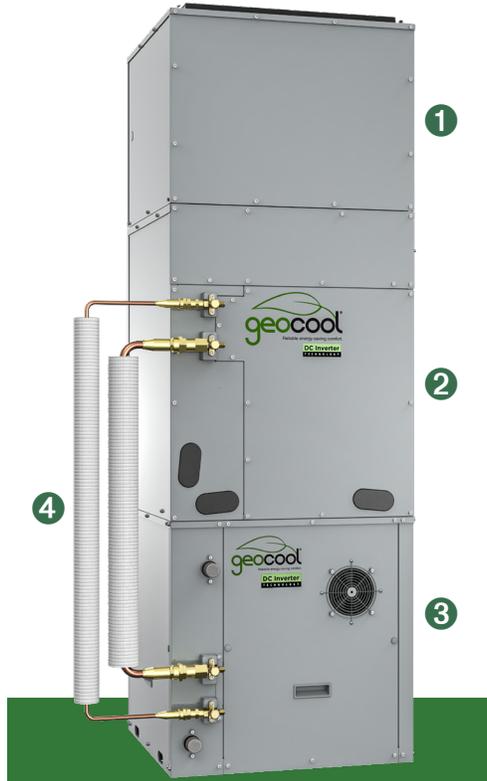
- ✓ All DC Inverter
- ✓ High-Precision Electronic Expansion Valve (EEV)
- ✓ Co-Axial Copper-Nickel Coil Heat Exchanger

- ✓ Durable Build & Finish
- ✓ Multi-Position Installation
- ✓ Low Noise



Version Date: 08-01-23

www.mrcool.com



GeoCool Vertical Downflow with pre-charged GeoCool Quick Connect Line Set

- ❶ A-Coil Module: **GCSCAM060GN**
- ❷ Blower Module: **GCSBLM014**
- ❸ Compressor: **GCSHPM060IN**
- ❹ GeoCool No-Vac Vertical Downflow w/o Air Box 3/8 3/4 Prechg. Lineset: **GCVN-VD00-3834**

GeoCool Vertical Upflow with pre-charged GeoCool Quick Connect Line Set

- ❶ Blower Module: **GCSBLM0141**
- ❷ A-Coil Module: **GCSCAM060GN**
- ❸ Compressor: **GCSHPM060IN**
- ❹ GeoCool No-Vac Vertical Upflow w/ Air Box 3/8 3/4 Prechg. Lineset: **GCVN-VUAB-3834**

GeoCool Vertical Upflow with Return Air Box and pre-charged GeoCool Quick Connect Line Set

- ❶ Blower Module: **GCSBLM0141**
- ❷ A-Coil Module: **GCSCAM060GN**
- ❸ Return Air Box Module: **GCSAR048060**
- ❹ Compressor: **GCSHPM060IN**
- ❺ GeoCool No-Vac Vertical Upflow w/ Air Box 3/8 3/4 Prechg. Lineset: **GCVN-VU00-3834**

SPECIFICATIONS*

*Specifications are preliminary and subject to change.

MODEL	LOAD	FLUID FLOW (GPM)	OPEN LOOP				CLOSED LOOP					
			COOLING		HEATING		COOLING		HEATING			
			AIRFLOW (COOLING CFM)	AIRFLOW (HEATING CFM)	CAPACITY (BTU/HR)	EER	CAPACITY (BTU/HR)	COP	CAPACITY (BTU/HR)	EER	CAPACITY (BTU/HR)	COP
4 TON	FULL	8	1400	1750	53200	27	48000	4.3	48000	19	40000	3.4
	PART	8	810	1050	13300	71	11000	5.9	14500	48.8	9800	5.1
5 TON	FULL	7.93	1400	1750	62000	21.39	55000	3.7	55600	14.4	45000	3.2
	PART	7.93	810	1050	13300	70.97	11000	5.9	14500	48.79	9800	5.1

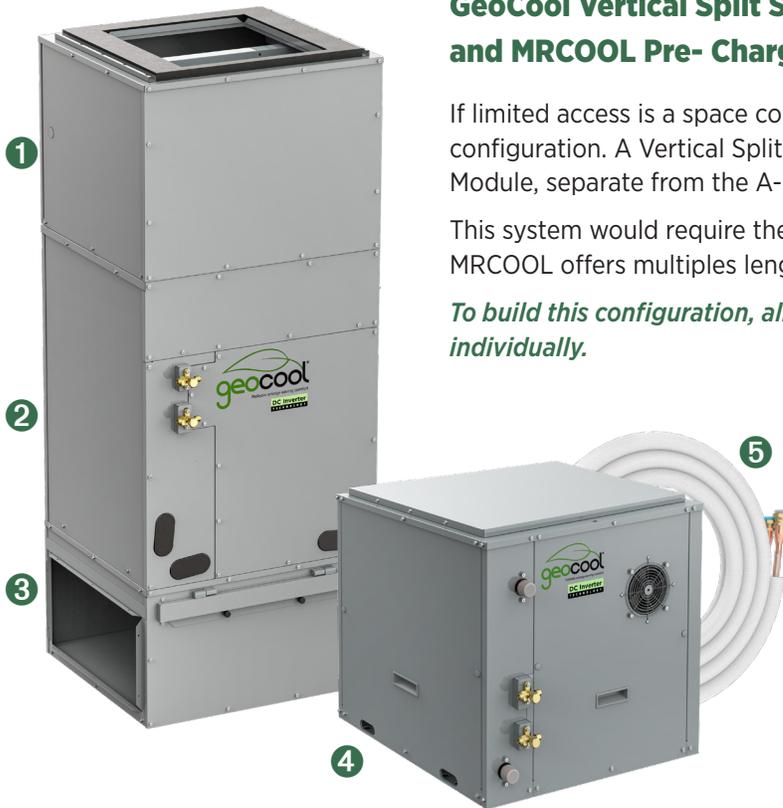
ALL RATINGS BASED ON 208V / 60Hz / 1ph. HEATING CAPACITIES BASED ON 68.0°F DB / 59.0°F WB ENTERING AIR TEMPERATURE. COOLING CAPACITIES BASED ON 80.6°F DB / 66.2°F WB ENTERING AIR TEMPERATURE.

GeoCool Vertical Split System with Return Air Box and MRCOOL Pre- Charged Line Set

If limited access is a space constraint, a Vertical Split system may be the ideal configuration. A Vertical Split configuration would include a stand alone Compressor Module, separate from the A-coil Module, Blower Module, and Return Air Box.

This system would require the use of the MRCOOL No-Vac Quick Connect line set. MRCOOL offers multiples lengths for various application requirements.*

To build this configuration, all items will need to be selected and purchased individually.



From top to bottom, this configuration includes the following units:

- ❶ Blower Module: **GCSBLM0141**
- ❷ A-Coil Module: **GCSCAM060GN**
- ❸ Return Air Box Module: **GCSAR048060**
- ❹ Compressor: **GCSHPM060IN**
- ❺ MRCOOL No-Vac Quick Connect line set: **NVXX-3834**

**Refer to MRCOOL Pre-Charged Line Sets for selection.*

GeoCool Horizontal Split System with MRCOOL Pre-Charged Line Set

If there is limited access to a space, a Horizontal Split system may be the choice. This split configuration would include a stand-alone Compressor Module, separate from the A-coil Module and Blower Module in a horizontal orientation.

This system would require the use of the MRCOOL No-Vac Quick Connect line set. MRCOOL offers multiples lengths for various application requirements.*

To build this configuration, all items will need to be selected and purchased individually.

From left to right, this configuration includes the following units:

- ❶ Blower Module: **GCSBLM0141**
- ❷ A-Coil Module: **GCSCAM060GN**
- ❸ Compressor: **GCSHPM060IN**
- ❹ MRCOOL No-Vac Quick Connect line set: **NVXX-3834**

**Refer to MRCOOL Pre-Charged Line Sets for selection.*



**All modules must be selected individually based on the desired configuration. Currently, there is not a model number for an entire system. The Vertical Up-flow (with or without the return air box) and Vertical Down-flow configurations have line sets designed for each system. Split Systems will require the user to select and purchase a MRCOOL Universal No-Vac line set based on the distance required for the application.*

Refer to your dealer to purchase the additional, required accessories to complete a full geothermal system.



A-Coil Module
GCSCAM060GN

Net Cabinet
Dimensions:
A: 24.81" (630mm)
B: 22.43" (570mm)
C: 30.87" (785mm)

Net Weight:
124.58 Lbs (56.5Kg)



Compressor Module
GCSPM060IN

Net Cabinet
Dimensions:
A: 24.81" (630mm)
B: 22.43" (570mm)
C: 24.43" (620mm)

Net Weight:
231.53 Lbs (105Kg)



Blower Module
GCSBLM014

Net Cabinet
Dimensions:
A: 24.81" (630mm)
B: 22.43" (570mm)
C: 19.12" (485mm)

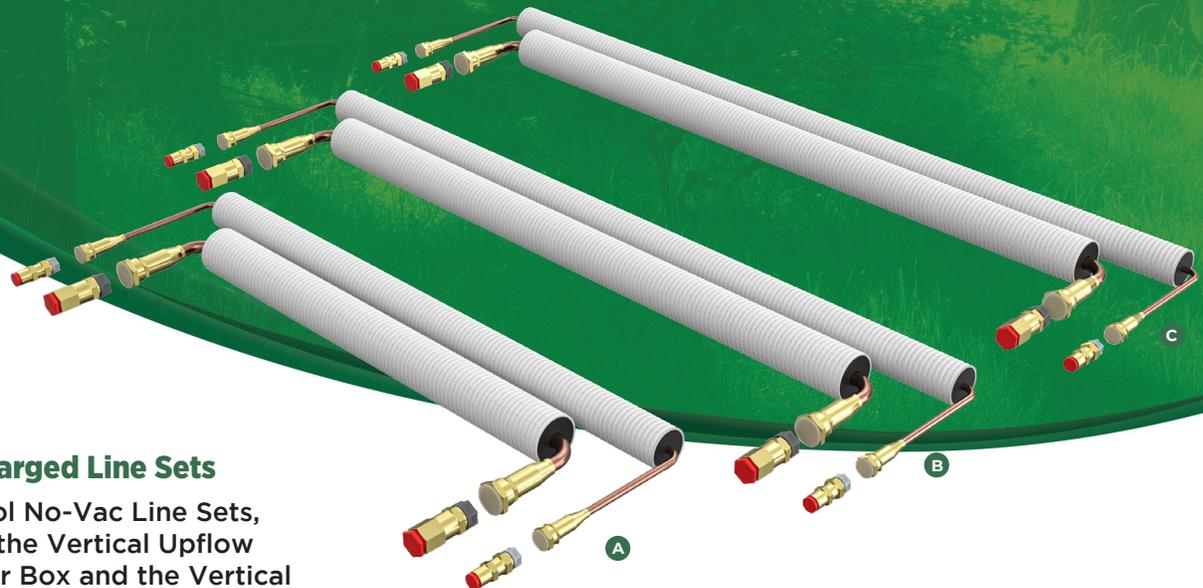
Net Weight:
79.38 Lbs (36Kg)



Return Air Box Module
GCSAR048060

Net Cabinet
Dimensions:
A: 24.81" (630mm)
B: 22.43" (570mm)
C: 14.56" (370mm)

Net Weight:
36.38 Lbs (16.5Kg)



GeoCool No-Vac Pre-Charged Line Sets

The pre-charged, GeoCool No-Vac Line Sets, designed specifically for the Vertical Upflow with or without Return Air Box and the Vertical Downflow allow for easy and fast installation.

A GCNV-VU00-3834

Dimensions (LxW):
39.195" x 12.55" (995.53 x 319mm)

Net Weight:
5.8 Lbs (2637g)

B GCNV-VUAB-3834

Dimensions (LxW):
53.131" x 12.55" (1349.53 x 319mm)

Net Weight:
6.48 Lbs (29420g)

C GCNV-VD00-3834

Dimensions (LxW):
57.695" x 12.55" (1465.53 x 319mm)

Net Weight:
6.7 Lbs (3040g)