

# TWO-STAGE eSeries

Geothermal Heat Pumps



Isn't it time **You**  
were **comfortable?**

The new eSeries is an economical 2-stage forced air geothermal heat pump in a smaller package that has the capacity you want and the Energy Star® performance you demand. This 2-stage unit can handle the loads on your coldest nights and hottest days yet is very economical on those days in between. The smaller size is perfect for that compact installation and, if you are replacing a pre-Energy Star heat pump, the eSeries will drop right in—providing a 25% energy efficiency improvement.

eSeries is built to Energy Star requirements and comes with a 5 year refrigeration parts & labor warranty and 2 year electrical parts and labor warranty. A heavy gauge steel cabinet comes with a 10 yr. parts warranty. A 5 year extended warranty for refrigeration parts only is available. All units are tested to Air-Conditioning, Heating, & Refrigeration Institute standards.



**NORTHERN**  
**HEAT PUMP**



# Product Offerings

## ENVIRONMENTALLY FRIENDLY

By using the earth's reservoir of heat and incorporating R410A refrigerant eSeries Northern Heat Pumps transfer usable energy (heating & cooling) without the production of unhealthy greenhouse gases.

## OPTIONAL HOT WATER GENERATION

Extra cost savings may be realized by choosing a desuperheater option. This feature extracts heat from the refrigerant to supplement domestic hot-water heating.

## PERFORMANCE TESTED

eSeries units are run tested prior to being shipped from the factory. This is another way to ensure the highest quality in every eSeries Northern Heat Pump unit.

## COMFORT

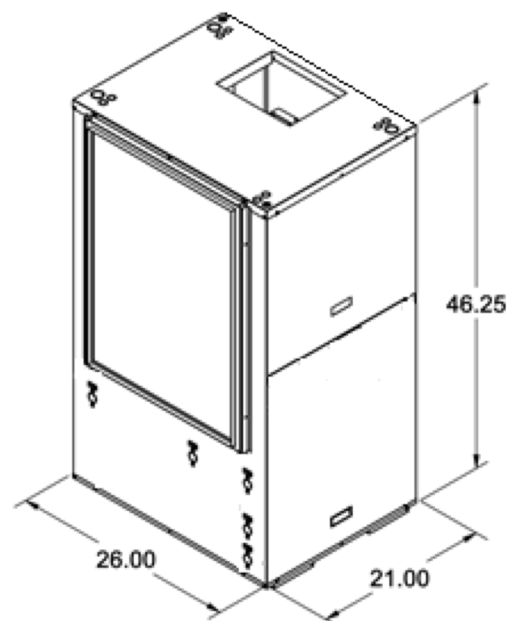
eSeries Northern Heat Pumps provide optimized efficiency while using simple controls. Our heat dominant design produces a comfortable environment during all seasons of the year. The ECM blower can gently stir the air to eliminate cold or hot spots around the home. Dual isolated compressor mounting for smooth quiet operation.

## ENERGY EFFICIENCY

High Efficiency 2-stage scroll compressor to minimize energy usage. Variable speed blower utilizing an ECM motor to provide optimal efficiency and comfort under all conditions. Optimal easy controls provide maximum comfort at the lowest energy usage.

## APPLICATION

Whether you are starting new or replacing an existing geo system this unit is built with you in mind. The eSeries has the smaller foot print and shorter height needed when replacing legacy equipment. This unit is a lower cost alternative while maintaining high quality standards making the eSeries by Northern Heat Pump an ideal choice.



# Performance Ratings

Model	Capacity	Ground Water (GWHP)				Ground Loop (GLHP)			
		Cooling		Heating		Cooling		Heating	
		BTU/hr	EER	BTU/hr	COP	BTU/hr	EER	BTU/hr	COP
NVT-038	Full Load	41,100	18.5	38,300	4.0	38,200	14.2	31,200	3.7
	Part Load	30,500	23.7	27,200	4.2	30,100	20	24,700	3.5
NVT-050	Full Load	53,900	18.5	50,300	4.0	50,100	14.2	41,000	3.7
	Part Load	40,500	23.7	35,600	4.2	39,900	20	31,700	3.5

Notes: Certified in accordance with ISO standard A 13256-1, which includes pump penalties • 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 • Entering water temperatures Full Load 32°F heating/77°F cooling • Entering water temperatures Part Load: 41°F heating/68°F cooling

Please visit [www.northernheatpump.com](http://www.northernheatpump.com) for more information



APR2018

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