



## **FREE eBook about Ductless Heat Pumps**

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# **Heat Pumps Go Ductless**

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## **Ductless Heat Pump - The Advantages Are Real and Many**

**By Robert Davids**

**As fossil fuel prices continue to climb, a ductless heat pump is something that more and more people are researching. Winter is not a season that many people look forward to because of the increasing costs of heat.**

**The thought of buying propane or fuel oil is not a pleasant thought.**

**Until just recently, we were primarily heating with propane. We do have a corn burner too, but that is only a supplemental heat, not able to carry the whole load for heating our home.**

**Since we have hot water heat, not forced air, we have been somewhat limited as to heating and cooling options for our home. That is, until the ductless heat pump became available.**

### **Ductless Heat Pumps Provide Energy-Efficient Heating Options**

**Mini ductless systems are a very good solution for a home like ours.**

**They have been getting a lot of interest too, because they are able to solve a number of situations that the average homeowner has.**

**This technology is not new to me. I have known for years of the benefits of heat pumps. I have several friends in the HVAC business and they are completely sold on the idea of using ductless heat pumps.**

**Nothing has really changed since this technology first came out in the seventies, except maybe that fuel and heating prices have continued to rise.**

**Heat pumps offer a very useful way to heat your home. These are some of the advantages as I see them.**

### **Installation is Quick and Easy**

**Installing a mini ductless heat pump is simple and fast.**

**For a home like ours with no ductwork present, this was very attractive.**

**A ductless heat pump system means just that - there are no ducts to install. This makes the system perfect for older homes that have never had a forced air furnace system with vents in the floor or wall. Other applications can include room additions or small apartments where it's just not possible to install ductwork.**

**I like, too, that you are able to control different zones in your home independently, and even program them to come on at predetermined times.**

**I neglected to mention earlier that this technology allows you to both heat in the winter and cool in the summer. The system works much like your refrigerator, which removes the warm air from the fridge and releases it into the kitchen.**

**A mini ductless ac/heating system removes the "cool" part of the outside air and sends it into the house during the warm weather months, and reverses that process in the winter when it removes the "warm" from the existing outside air and pipes it into the home as heat.**

**A mini ductless unit consists of 2 parts - the outside unit that looks like a small central air conditioner, and the inside unit that is placed on the upper part of a wall. The inner unit resembles a small baseboard heater. It is placed on the upper part of the wall, basically above your pictures.**

**The 2 units are connected by wiring, and the outside unit must be placed no more than 50 feet from the inside unit.**

### **Ductless Heat Pumps Keep More \$\$ in Your Pocket**

**The cost savings in the programmable feature alone is amazing.**

**Let's say that you're going to be gone for the day. You wouldn't want to be heating or cooling your home during that whole time, would you?**

**You can set the remote control to turn the temperature down while you're away. You can also then set the unit to turn back on a short time before you arrive home, maybe 30-60 minutes, so that it's nice and comfortable when you open your door.**

**The mini ductless heat pump will come on all by itself! I love this feature. Yes, you're able to do something similar with many central heating systems, but in most cases, not on a zone-by-zone basis.**

**This means that you can turn off, or turn down, the guest room if no one is going to be staying in it. You can do the same with the attic, or the sewing room, etc.**

**This translates into more money left in your pocket at the end of the month. Some estimates claim that energy consumption could drop as much as 60% with a ductless system.**

**Mini Ductless AC Systems are Now Available Locally**

**As with anything that is popular, the free market system is working and there are many companies selling and installing mini ductless heat pumps.**

**You could go to your local HVAC provider, and there is nothing wrong with that, but there are other ways.**

**Since these units are relatively small and lightweight, they are able to be shipped by UPS. This opens up a whole world of possibilities as far as buying your units!**

**We've found that there are some companies online that are having mini ductless systems manufactured according to their specs, and are importing some very good quality and good value units.**

#### **Do Some Research and Read the Reviews**

**Just do some research, and read everything you can find online. Find out what the different companies have to offer, and how long they've been in business.**

**Also it's a good idea to find reviews about brands and companies. Once you have done some of that, I'd suggest talking to someone at the company where you're thinking of buying your mini ductless heat pumps.**

**You can tell a lot about a company by doing this, and I usually do that before making a substantial purchase.**

**When you decide on where you want to buy your ductless units and they arrive, make sure to inspect the box before the delivery person leaves. That way if there is any damage, you can immediately call for replacement or repair.**

**Then read everything thoroughly before you start the installation.**

**With some care and a little effort, you'll be enjoying quiet, clean, efficient zone heating in your home with your ductless heat pump system.**

**Robert loves family and the outdoors, and is fascinated with energy efficient technologies. To see more of his material, see Mini Ductless AC [<http://miniductlessac.com>] and Split Air Conditioning [<http://miniductlessac.com/mini-split-air-conditioning-makes-sense>].**

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## **Ductless Heat Pumps and Cooling Efficiency**

**By Radu Mamut**

**Thinking about ductless heat pumps and cooling efficiency seems like it might be counter intuitive but it's actually not anything of the sort. This type of heat pump is actually heralded for its efficiency in cooling, which makes it an even better value for the home. Instead of only saving money half the year, the increased efficiency makes it possible to save money throughout the year, and that is always the biggest benefit to creating a happier and more productive home life.**

**The way it works is rather simple but also quite intelligent. When you look at the problems associated with even the most efficient heat pumps and cooling units that use the traditional duct work for delivery you find that they all have one area of weakness. They lose too much heat and cool air in the duct work. While many companies have tried to improve upon the efficiency of actual duct work, the basic system can only be improved a small amount. The loss of air is not something that can be contained when forced through duct work.**

**Overall, the average use of ductless heat pumps is expected to improve efficiency somewhere around 25%. This can add up to a great deal of savings and can make a home much more efficient when it comes to the typical heating and cooling costs. While it seems to reason that (unless you're using electric heat) the difference in your heating and cooling bills is often reflected by the power source. Gas and oil heating units are relatively compared to the electrical based cooling units. But when the issue is really in front of you there is a greater chance that you can see how this isn't the most effective way to run a comparison.**

**While some energy sources are definitely going to be different, the ductless heat pumps can be compared across the board because you're changing much more than just the energy source. You're delving into technology that has effectively gone and changed and style and means by which we control the climate in our homes. By doing this, you don't have to make a choice between one type of fuel and another. You save money and energy either way.**

**Ductless heat pumps are excellent units that can be beneficial to almost all consuming families. Even if you have been able to successfully remove your household from the energy grid, you will still find that you are able to conserve more money and energy with the use of these pumps while maintaining a more controlled internal climate.**

**For more information and tips about mini split heat pumps please visit our site  
[<http://www.acheatpumps.com>]**

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## **A Ductless Heat Pump May Solve Your Energy Needs**

**By Martin Applebaum**

**Heat pumps are becoming more and more popular to homeowners because of their efficiency and the ability to help lower down their energy consumption. When you are planning to get one installed in your home, then it is about time to get to know the types available for you and which may be suitable for your current setup. A ductless heat pump is one of the many good options you need to take a good look at.**

### **No Duct System Required**

**As its name implies, it does not have a duct system or an air distribution on it that most heating and cooling devices have. It simply works by hanging on the wall and delivering the air from the indoor part of the device without the need for a duct system.**

**It transports the air directly or straight to the space that is or has been cold right away. In most cases, it would be difficult if a central unit would have air ducts but to provide a solution to that problem, a ductless heat pump will pipe refrigerant to individual coils within air handlers mounted throughout a home. In addition, mini-split pumps do not require any duct work at all for a central air conditioning unit.**

**A ductless heat pump is very efficient in combining the flexibility of a room air conditioning system with that of a cooling system thus making it a good heating and cooling system at the same time.**

**Unlike most heating and cooling systems, this type of system works best as a cooling system. The installation would be similar to regular heat pumps except that you need to be a little extra careful to prevent refrigeration leaks and to ensure proper operating pressures.**

### **Easy to Operate**

**Unlike conventional units, the wiring for power and control is much easier because it is ductless and the refrigerant lines from the outdoor units can extend up to a hundred feet from the indoor units where it has been installed.**

**Installing this type of device is not for everyone, however it is important to conduct your research and get several quotes for installation.**

**A ductless heat pump usually costs around five hundred dollars to nine hundred dollars per ton and it varies depending on the type of system and number of zones per unit. At first, it can be very costly, but once it has installed you will see the long lasting benefits of this device.**

**Your guide to information on various types of heat pumps including gas heat pumps. Visit our site today for more information. [heatpumpsrus.com](http://heatpumpsrus.com)**

**By M. Applebaum**

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## **The Benefits of Ductless Heat Pumps**

**By Radu Mamut**

**The benefits of ductless heat pumps are vast and are certainly worth the time to research well when making a decision regarding their use. Using a ductless pump can be one of the fastest and most efficient ways to ensure that your home is operating at its maximum efficiency.**

**A lot of consumers are looking into the benefits of supplemental heat as a potential option thanks to how expensive it is becoming to heat a home in the traditional use of fossil fuels. Of course, the biggest problem with supplemental heat is that it doesn't actually solve the problem. The supplemental heat can not heat a whole home or even a reasonable apartment in a true function, and thus it tends to prevent the idea of unloading the furnace.**

**One of the main benefits of ductless heat pumps is that it performs well beyond supplemental heat. It is the method of choice for those who are serious about saving on their fuel bills, and creating a home that is comfortable to live in. Trying to live on supplemental heat can make everyone uncomfortable, and that just creates misery especially on those frigid winter nights.**

**Since the ductless heat pump is able to be used for heat as well as for cooling it is customary to bring the essentials of indoor climate control to a whole new level. You can rely on the process all year long, reducing your need for cooling supplements like fans. You are also quite likely to find that the heat and cooling capacity creates a more comfortable environment than your more traditional units because it delivers accurate temperature settings.**

**A traditional heating and cooling system relies on the thermostat in a different way. The neutral air around the thermostat has to hit the proper temperature, which can be off by several degrees. One of the comfort benefits of ductless heat pumps is that each room is taken on an individual level, creating a system that responds faster to temperature changes and therefore reduces the large fluctuations in temperature. Whether the problem is too much or too little, hot and cold air delivery systems that rely on a single thermostat are not able to provide much more than a range of temperature projections when turning on and**

**off because the air from the room is mingled with air temperatures from other rooms. This impacts the air flow which in turn impacts the reading on the thermostat.**

**For more information and tips about ductless heat pumps please visit our site  
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## **Mini Ductless Heat Pump - Efficient and Quality Heat**

**By Conrad Tenzer**

**We have been using propane to heat our home mainly for the last 3 years. I loathe it, it is high-priced and there is nothing that I can do about it. As winter approaches, I am usually very annoyed with being trapped into buying propane, as I think many people in the U.S. feel. We do also use some corn to heat, and we like that, but it in no way is capable of our whole heating load.**

**When I first heard of the ductless heat pump, I was very interested to learn more. I have always known how well heat pumps work. They are efficient and with electricity not climbing as much as propane it is a good value. 30 years ago I had a good a good friend who was learning heat pump technology, since he was a serviceman for a heating and AC company. I can still remember how impressed he was with heat pump technology.**

**Nothing has changed since then, except that fuel prices have continued to increase. Heat pumps are still a exceptionally viable and practical heating source. Energy conservation is still important, maybe even more important, I think Heat pumps are here to stay. Here are some of the advantages as I see them.**

**Compared with regular heat pumps, a mini ductless heat pumps allows you to control different zones in your home. This way if you are not in a certain area of your home, there is really no need to heat it. This can go a long way to saving in heating. Along with this, intrinsic in the design is the fact that mini ductless heat pumps can be installed in home with no duct work, say a home that has hot water heat, like ours. This was one reason that I jumped right on using this technology, it solved quite a few problems.**

**Along with the ability to control various zones independently, you are also able to program different zoned to come on at different times. This way while you are sleeping you can turn the heat down in parts of the home that you are not in for the night, and have them turn back on shortly before you rise. You could also do the same type of thing during the day if you are going to be gone fore the day. You would be surprised how much just this feature can impact you heating and cooling costs every month.**

**There is no shortage of companies who have jumped on the mini ductless heat pump bandwagon. Recognized names like Carrier and Trane are of course manufacturing and selling them. It is very remarkable to me though that there are many companies that are selling them on the internet. UPS just delivers them to you. Then you can either hire someone locally to install them or do it yourself. It is not a complicated appliance to install, and most do it yourselves are capable.**

**We live in the internet and information age, so there is no lack of information about mini ductless heat pumps on the internet. Along with the information are a superfluity of companies selling them over the internet too. I don't think that there is anything wrong with buying them over the internet. Vigorous competition is always good. When you are looking around, just do your due diligence. Read reviews, and I always like to talk to a person if I am making a relatively large purchase like this.**

**When your Mini Ductless Heat Pumps [<http://miniductlessac.com/ductless-heat-pump-advantages/ductless-heat-pump-%E2%80%93-the-advantages-are-real-and-many>] arrive, read the instructions and installation manual. If you are installing them your self, just take it slow and follow the direction. I am sure that you will find them to be a very good investment. Mini Ductless AC [<http://miniductlessac.com/>]**

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## **Using Ductless Heat Pump Units Can Save You a Lot of Money**

**By Simon Harris**

**There is a better way to cool and heat your home without spending all the money that it takes to run the ductwork. With the Ductless Heat Pump, you will have less intrusion on your home as well as put money back into your pocket book. These units will drop your heating bill down to just a fraction with as efficient as they are unlike the typical baseboards and stand alone heating systems that you see on the market. They will distribute the warm or cool air around your home as you save money.**

**The Ductless Heat Pump will also save your home from being altered. When you have to run ductwork, there are holes that have to be made as well as getting to a lot of places that may not be that easy to get to. These units will give you the benefit of not having to do all of this work. They come in handy, especially if you are redoing your whole heating and cooling system as well as if you are adding on another room to your home. These units work very well with homes that use electric as the sole source of their heating and air conditioning needs.**

**When you are remodeling, you can add the Ductless Heat Pump as an addition to your existing heating unit so that you do not have to lay anymore ductwork then is already there. When adding on a room, you don't have to purchase more ductwork in order to run it into that extra room. You can just purchase one of these units in order to have that heating and cooling in the extra room without the fuss. You will find that there are many popular manufacturers of this type of heating pump but a major name in this industry is Sanyo.**

**Sanyo has made their name very solid with the high performance that their products give to the consumer. There are various technologies that Sanyo has employed within their products that make them stand above the rest. Sanyo has several different models to choose from and are separated by the capability that they have in BTU units. Their model number 26KHS72R is a model of the Ductless Heat Pump that has a BTU capability of 25,000. This mini-split model can be a stand alone unit, or it can mount on the wall. It is very versatile when it comes to giving the heat and cooling that a homeowner needs.**

**Simon Harris writes about heat pumps at: [<http://www.heatpumpexpert.com>]**

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## **The Lowdown on Ductless Heat Pumps**

**By Martin Applebaum**

**Ductless heat pumps generally deliver air from the indoor part of a heat pump to a space that is cooled without any means of a duct system. The ductless heat pumps are an energy resourceful system for any house. How will they work? Most of these units installed may have a duct system or else an air distribution system; ductless does not. It is just one that will hang on a wall and will deliver air from the indoor part straight to a space, which is cooled without any means of a duct system.**

**The ductless heat pumps give a unique answer to bringing central air conditioning into homes. By piping the refrigerant to individual coils in air handlers increased throughout a home, heat pumps do not need duct work for the central air conditioning.**

**The ductless systems combine flexibility of the room central air conditioners with cooling of the central systems. However, some systems give heating and cooling, ductless heat pumps are generally installed mainly for cooling.**

**In a conventional heat pump, a single indoor unit and single outdoor unit serve entire the house. The air is cooled at an evaporator coil and distributed all over the house through ductwork. In the ductless systems, you will find one outdoor unit that is serving multiple units. Refrigerant is also piped from the outdoor unit by small diameter refrigerant lines straight to the individual rooms and zones. The cooled air is then blown in the room by a fan in individual evaporator components. The term "mini" has been used to describe small indoor units situated in every room or area.**

**The ductless heat pumps are installed by using the conventional techniques for installation. Nevertheless, extra care should be taken to stop refrigeration leaks as well as to make sure of proper operating pressures. In addition, it takes two installers about a day to install a system having three zones. In addition, wiring for power and controls is simpler than with the conventional unit as wires are run along with refrigerant lines. The refrigerant lines from the outdoor units will span to one hundred feet to the indoor units.**

**Your guide to information on heat pump prices along with information on ductless heat pumps.**

**Visit our site today for more information. <http://www.heatpumpsrus.com>**

**By M. Applebaum**

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## **The Trend Toward Ductless Heat Pumps**

**By Radu Mamut**

**The trend toward ductless heat pumps is one that is catching on because it's a trend that offers some of the best of all there is to offer in home heating and air conditioning. The main idea is to provide the home with a greater heating capacity while simultaneously dropping your daily energy use. This is not something which can be achieved through the traditional duct based heating and cooling systems.**

**If you think about it, ductless heat pumps just make sense. When you send air through a tube (which is what duct work really is) not all of that air can end up at its intended destination. Much of it will end up going through the duct work and be lost to the room it was meant to be in. Fans that blow air through the ducts are not powerful enough to keep the air moving fast enough to lose less air. At the same time, installing more powerful fans to achieve this goal is going to be physically uncomfortable for the individuals living inside the home.**

**Overall, the end result has been one most consumers felt they just had to live with. Less air coming into an intended room obviously means that the unit has to work harder to achieve the desired temperature. This is not only more costly to the consumer but it is also more costly to the environment.**

**The beauty of the ductless heat pumps comes through loud and clear in terms of comfort and energy use. Unlike the single unit based duct work system, the direct delivery system of the ductless units allows the air to flow in a direct and efficient path straight to the area where it is needed most. That keeps the room temperature much more stable while providing a lower energy drive for the consumer.**

**It is quite possible that over time we will see a tremendous switch from the antiquated duct work heating systems to the ductless systems because the benefits are exactly what consumers are looking for today. Everyone wants to find ways to be more proactive when it comes to getting more while paying less. When you can do better for the world that you live in while also getting more for your money, there are few arguments that will trump the logic.**

**Ductless heat pumps provide consistent air quality and increased comfort in a way that is more manageable for the daily budget. Without options like this, changes in the home that make significant improvements are much harder to find.**

**For more information and tips about ductless heating systems please visit our website [<http://www.acheatpumps.com>]**

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