INTRODUCTION

The weather in Florida can reach up to 92.0º F in the hottest month of the year: July. And with the summer coming up one of the things that you definitely want to avoid is a broken AC unit.

There are a series of reasons that might be causing an AC unit to not be blowing cold air, and it will be a good option to contact a licensed HVAC technician to check on the problem. However, this can either be expensive or very time consuming, and the problem can end up being easily fixed by taking a few measures and doing some cleaning.

In this E-BOOK, we will briefly discuss five different things you can do to check and fix your AC unit if it is showing problems. We will also show you how to quickly fix these problems, which can end up saving you a lot of money and preventing you from having a very uncomfortable summer. Take notes!

CHAPTER 1

Clean air Filters and Dirty Condenser Coils

One of the most common causes of AC units' problems is the air filter. In most cases, it is recommended that the filters are cleaned every 90 days of use. However, this can be quite a long period of time, and if your AC unit is not blowing cold air, they must be the first item to get checked.

When dirt is stuck on the air filters it will block the passage of air back to the room after the fan motor draw the air to be cooled. If the passage is blocked, less or almost no air at all can be circulated back to your room, explaining the inefficiency of the AC. If the filters are also extremely dirty it means you can end up with allergies and other problems due to the dirt that you are inhaling every day.

The condenser coils in your outside AC unit can also be dirty and clogged, which will also get in the way of the cold air. This can cause the AC system to overheat, as it will start to overwork in order to push the air out. A simple cleaning in both can quickly solve the problem. The best thing to do is to at least once a week check the coils and air filter and when they are dirty clean them, instead of going just by the number of days.

You might also call a professional to do a deep cleaning every 3 months, while maintaining the filters clean in between.

CHAPTER 2
Capacitor

The second common reason for your AC unit to not be blowing cold hair is the Capacitor. The capacitor is what starts the motor of your AC, and if he is burned or too old, it won't work properly, making your AC blow only warm air. A good tip to make sure your Capacitor is fine is checking his condition and if the bottom of the capacitor is flat or not and well as if the top plugs are straight. If the bottom of the capacitor has a bump it means it needs to be replaced.

It is very important that you are extra careful and most preferably contact an HVAC technician as it can be quite dangerous to maneuver the capacitor on your own as it retains a great amount of energy. One of the symptoms of a capacitor problem is difficulty turning the AC on. It might happen that you manage to turn it on but the unit turns off after a few seconds. This might mean the capacitor, which as we mentioned starts the motor, is failing to work properly.

If you can clearly see the capacitor is damaged while checking you can replace it with a new one, but if you can't see clear signs of it, contact a licensed HVAC technician to run some tests instead of trying youserlf in order to prevent any accidents.

CHAPTER 3
Control Board

One simple reason that can be getting in the way of your cold air is simply the Control Board of your AC unit. If you tried to check the air filters and they are all clean, as well as you weren't able to notice any problem with the capacitor the problem might be in your own control board.

The control will be responsible to send power to turn the compressor on or off that will then be responsible to cool the air according to the temperature that you have selected. In this case, if your control board is defective it won't be able to properly turn the compressor on and the air won't be cooled, explaining the lack of cold air.

In this case, you will have to check the control board for any signs of losing pieces, damage, corrosion or basically anything that might signal a problem. If you notice something, you will probably have to get it fixed by an HVAC technician.

CHAPTER 4
Fan Motor

Another possible reason for the AC unit to not be blowing cold air is the fan motor. The fan motor usually works to draw the air through the AC unit and the evaporator coils to cool the air, then blowing the cold air back to the room, which means that if he is not working properly you won't be getting cold air from the AC but instead a warm air.

The problem here is that if this is the case and the fan motor is not working properly, the speed of the air flow will decrease and the air can end up becoming too cold. In this case, it can end up causing the cold air to create a frost, which will then block the air passage even more.

This frost caused by the cold air should be easily noticeable but dealing with a problem like this can be complicated, so it is advised that you seek help from an HVAC technician, in case you identify that this is truly the root of the problem.

This frost can also be caused by other problems, so you will need to pay attention to make sure you are identifying the real problems as to not waste money fixing something that isn't broken.

CHAPTER 5
Refrigerant Leak

A refrigerant leak can also be the cause of your AC unit problems. The refrigerant's function is to be compressed while the AC in on, dropping to a lower temperature. The compressed refrigerant will then travel through tubes and fill the evaporator coils, who will then also be cooled. If for any reason the refrigerant can't be compressed to a lower temperature under pressure then there will be a lack of cold air. Low levels of refrigerant can also have an effect on the efficiency of the AC and the cold air.

The tricky thing about refrigerant is that because it is in a closed system it is not expected that it will run out or need any repair or change whatsoever. So, if this is the case for your AC unit it might mean there is a refrigerant leak, which it can impossible.

This leak can also cause the icy frost that we mentioned earlier on the air conditioner as well as an odd noise when the AC is working. The leak can also make the AC unit work properly but take a longer period of time to actually cool the room. The best option is to contact a technician to see if there is a leak as it requires more knowledge about the AC unit system and it can be dangerous if you try to fix it yourself.

CONCLUSION

Although you can check for any problems on your AC unit in search for the reason why it is not working properly, fixing it yourself can be dangerous, especially when we are talking about the capacitor or refrigerant. However, learning how to spot these possible problems can help you save time and money and be more aware of what is going on and be more prepared when the technician arrives.

Being able to identify a simple problem such as the dirty air filter can also save you a lot of stress and hot days by simply keeping it clean to avoid any problems with the unit. You might also have a deeper cleaning every 90 days to make sure you are not breathing polluted air from the clogged air filters.

Even if a specialized professional is needed, you will be more prepared and able to understand where your money is going to and why the AC broke, allowing you to prevent the problem from happening again as well as preventing youserlf to overpay a simple fix. You might also be careful while choosing the company to do repairs to avoid any further damage to the AC unit.

We can provide you a trustable service and safe repairs in case you are having trouble with your AC unit. You can access our website clicking **here** and learn more about our company and how we can help you.