

# SET IT AND FORGET IT! YOUR SYSTEM IS DESIGNED TO OPERATE CONTINUOUSLY.

## GET THE MOST FROM YOUR NEW HVAC SYSTEM

To achieve optimum comfort, reduce energy use and protect your HVAC system, please follow these guidelines:

- YOUR SYSTEM IS DESIGNED TO OPERATE CONTINUOUSLY. Turning the system on and off will not remove the humidity from the house and result in higher energy costs and a lower comfort level. HVAC systems for this community are meant to operate with little manipulation from the occupants.
- Thermostats – For the best comfort level you need to SET IT and FORGET IT.
- The air filters should be changed once a month or system efficiency will be affected. A dirty air filter will reduce air flow.
- To ensure system efficiency and continued efficient operation, the HVAC system should be serviced 1-2 times a year by a certified technician.
- Only use the setback (away) settings on your thermostat when you are going to be absent from your home for several days.
- If windows are opened for fresh air purposes, be aware that introducing humid air into the home adds latent load (moisture) that must be removed before significant temperature reduction can occur.
- During peak load conditions the system may run for extended periods of time; this is expected and desired.



## OTHER FACTORS

Many factors control interior comfort for heating and cooling a house. Some factors include:

- The orientation of rooms in the house to the sun.
- Number of exterior walls in a room.
- The amount of window area in a room.
- Whether the windows are shaded with a drapery that could provide additional insulation.
- The amount of insulation installed.
- Ceiling fans.
- For tri-level homes, using the thermostat fan mode "On" setting will help equalize temperature between floors.

## INDUSTRY STANDARDS

Homes of the past can be compared to muscle cars of the past, gas guzzlers emitting high amounts of carbon monoxide. In contrast, cars of today are very fuel efficient and produce much less pollution. Because your home has been constructed with better materials and better technology, you do not need the same type of HVAC systems that were used a decade ago. Here are some of the basic minimum/maximum recommended values for comfort and safety:

### Thermostat set-point (design)

- Heating season 70°F, Cooling season 75°F

### Room to room temperature differences (same level)

- Heating season 4°F maximum
- Cooling season 6°F maximum (single-zone) / 4°F maximum (multi-zone)

### Floor to floor temperature differences (different levels)

- Heating season 4°F maximum
- Cooling season 6°F maximum (single-zone) / 4°F maximum (multi-zone)

Per California Title 24 Green Buildings Standards Code – The HVAC system is designed to meet the loads incurred by the climate you live in 99% of the time.

**TO PROVIDE AN ACCURATE MEASUREMENT OF THESE DIFFERENTIALS, THE HVAC SYSTEM MUST HAVE BEEN OPERATING FOR AT LEAST 12 HOURS.**

## ENGINEER DESIGNED FOR ENERGY EFFICIENCY

The HVAC system for your home was designed by an independent mechanical engineer in accordance with all applicable codes and professional guidelines, as well as specific design standards set by the builder. With the new construction technologies being used in your home, the mechanical engineers are able to reduce the amount of energy that is used by your HVAC system by properly sizing it to run efficiently. This was accomplished by using a method that is known as the Air Conditioning Contractors of America (ACCA) Manual J, D and S.

- Manual J (Load Calculation) – Determines, using ASHRAE guidelines, how much heating/cooling each room in your home needs to stay cool and dry in the summer and warm in the winter.
- Manual D (Duct Design) – Determines duct design to adequately distribute air to each room as determined by Manual J calculation.
- Manual S (System Sizing) – Equipment selection is based on ASHRAE guidelines for correctly matching actual equipment capacity at the design temperature to meet the loads generated by the Manual J and D calculations.

This method is governed by the ACCA, the California Energy Code, the California Green Building Code and the American Society of Heating, Refrigeration and Air Conditioning (ASHRAE).

## Cooling Season



## Heating Season



# Energy Savings Agreement

# HOMEOWNER GUIDE

An **AIRPLUS** Maintenance Agreement **GUARANTEES** You These **BENEFITS**:

## You Are Our #1 Priority

## Well Maintained Equipment = Longer Life

## BONUS BENEFITS with Coverage

- ◇ #1 Priority Dispatch Scheduling
- ◇ Same Day Repair/Replace Parts
- ◇ One Day System Replacements
- ◇ Factory Authorized Service
- ◇ 24/7 Service Support Hotline
- ◇ Lower Utility Bills - Save \$\$
- ◇ Cleaner & Safer Indoor Air
- ◇ Boosts Unit Performance
- ◇ Smoother Quiet Operation
- ◇ Prevent HVAC Breakdown
- ◇ 15% Discount on Services
- ◇ **Waived Diagnostic FEES!**
- ◇ Fully Transferable
- ◇ 5% Discount on New Units
- ◇ Price Protection to 3 Years



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an Energy Savings Agreement.

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