

Your Ideal Comfort Solution®



Ideal Comfort Solution[®]

The Old Way

Air conditioning & heating was focused on

- ~~Hot air for your house~~
- ~~Cold air for your house~~
- ~~Changing out boxes~~



It's Hard To Stop A Trane.[®]

©ACT

Ideal Comfort Solution[®]

Today, we

- ✓ Customize the Ideal Comfort Solution[®] for your home & family
- ✓ Create a healthy home environment
- ✓ Provide for your family's safety
- ✓ Provide Greatest Peace of Mind[®]



It's Hard To Stop A Trane.[®]





Company Resume

Protection

- We specialize in amazing comfort
- We protect your home during & after installation
- We wear shoe covers in your home
- Work site cleaned to customer satisfaction
- We are fully licensed and insured
- 10-year Peace of Mind warranty





Company Resume

Peace of Mind

- Clean-cut professionals on call 24/7
- Drug tested and background checked
- We use only the most reliable equipment & components
- Your comfort is guaranteed in writing
- You will be 100% satisfied



It's Hard To Stop A Trane.®

©ACT

For your peace
of mind and
protection

Licensed &
Insured

We don't want you to
worry!



It's Hard To Stop A Trane.®





Value of Our Installation

The North Carolina Alternative Energy Corporation, a nonprofit organization, examined air conditioning manufacturers' efficiencies versus the efficiencies that resulted after installation; they found the following:

90% of the units tested exhibited some sort of energy-wasting, comfort-robbing problem!

You Will Be in the Top 10%



Quality Control Audit

Task	Complete	Incomplete	Not Required
Outdoor unit properly installed and level			
Indoor unit properly installed and level			
Indoor coil properly installed and level			
Accessories properly installed			
Air cleaner(s) properly installed			
Drain line(s) installed and tested			
Gas piping properly installed and tested			
Refrigerant piping properly installed and tested			
All low-voltage wiring properly installed and tested			
All line-voltage wiring properly installed and tested			
All insulation complete and secured			
All duct work complete and sealed			
All penetrations sealed			
Furnace venting complete, secured, and checked			
Combustion air intake installed and working			
All pilots lit (hot water heater, other appliances)			
Electrical panel secure, breakers in proper position			
Condensate pump installed and operating properly			
Humidifier operation and drain checked			
Electronic air cleaner operationally tested			
Supply air register installed, adjusted, and level			
Return air grille installed and level			
Thermostat operationally checked and level			
Blower set for proper air flow			
Measure cooling supply and return temperatures			
Measure heating supply and return temperatures			

**THIS ASSURES YOU RECEIVE ALL
THE COMFORT YOU
ASKED FOR!**



It's Hard To Stop A Trane.®

Problems are Not Solved by Equipment Alone

Even Air Flow Package

- Install balancing dampers
- Set/check cooling & heating air volumes
- Install double deflection diffusers (optional)
- Install new return air grilles (optional)

Air-Quality Package

- Caulk with lifetime duct sealant
- Post filter change schedule
- High efficiency air purification (optional)
- Easy-change filter grilles (optional)

Reliability Package

- Install new condensate drain as required
- Refrigerant removal per federal laws
- Provide customer training
- 33-point quality control audit

Energy Savings

- Complete system leak check startup and test
- Charge to manufacturer's specs
- Insulate suction lines
- Easy-to-read filter change schedule



Problems are Not Solved by Equipment Alone

Comfort Control

- Install ease-of-use comfort interface
- Install easy-to-read thermostat
- Set/check cooling and heating air volumes
- Install double deflection diffusers (optional)

Safety-First Package

- Double insulated copper wire
- Sunlight resistant wire ties
- New low-voltage wiring as needed
- Label all HVAC circuit breakers

Green Package

- Recycle all eligible materials
- Properly dispose of all hazardous materials
- Recycle existing refrigerant whenever possible
- Precision system control

Quiet Package

- Install vibration eliminators
- Install flexible duct connectors as required
- Cross-brake sheet metal
- Install turning vanes as needed



Value of Our Custom Design

A proper heat-load calculation is the key to customizing your Ideal Comfort Solution™

Our Custom Design

Energy Star*

- A good contractor will not size your equipment solely on square footage
- Assume your existing equipment was sized properly

Department of Energy**

- It is the contractor's job to perform the correct sizing calculation for the home

Sizing Problems

Oversized

- Higher installation costs
- More breakdowns
- Large temperature swings
- Improper humidity control

Undersized

- Constantly running
- Higher energy costs
- Shorter life
- Reduced comfort

Energy Star, Sizing and Installation. http://www.energystar.gov/index.cfm?c=heat_cool.pr_properly_sized

** U.S. Department of Energy, Sizing Residential Heating and Air Conditioning Systems.

http://www.eere.energy.gov/consumer/your_home/space_heating_cooling/index.cfm/mytopic=12300



The Technology Story Explained

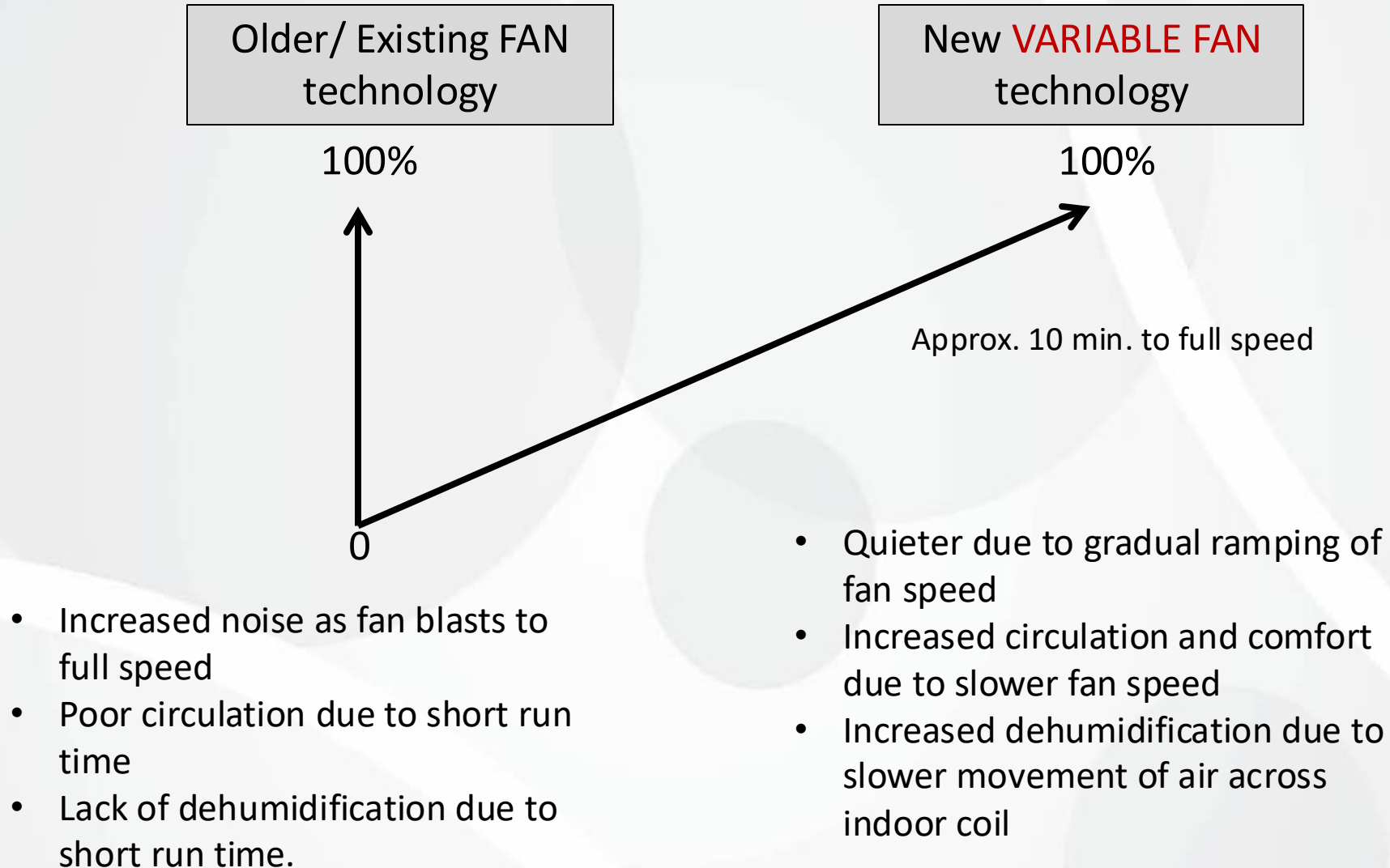
Modern Technology Explained

Heating and Air Conditioning has changed!

- New technologies
- New Refrigerants
- New Building codes
- New Concepts



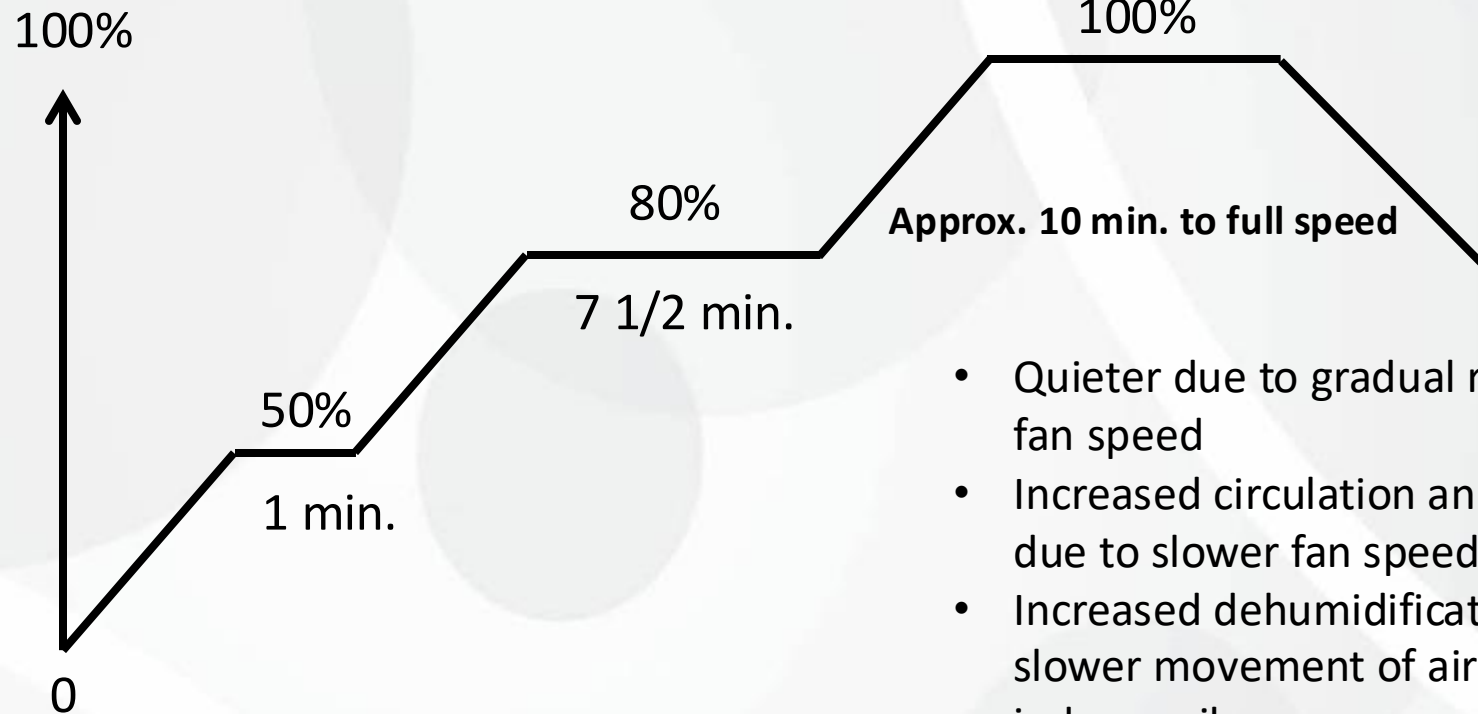
Fan Technology Explained



Fan Technology Explained

Older/ Existing FAN Technology

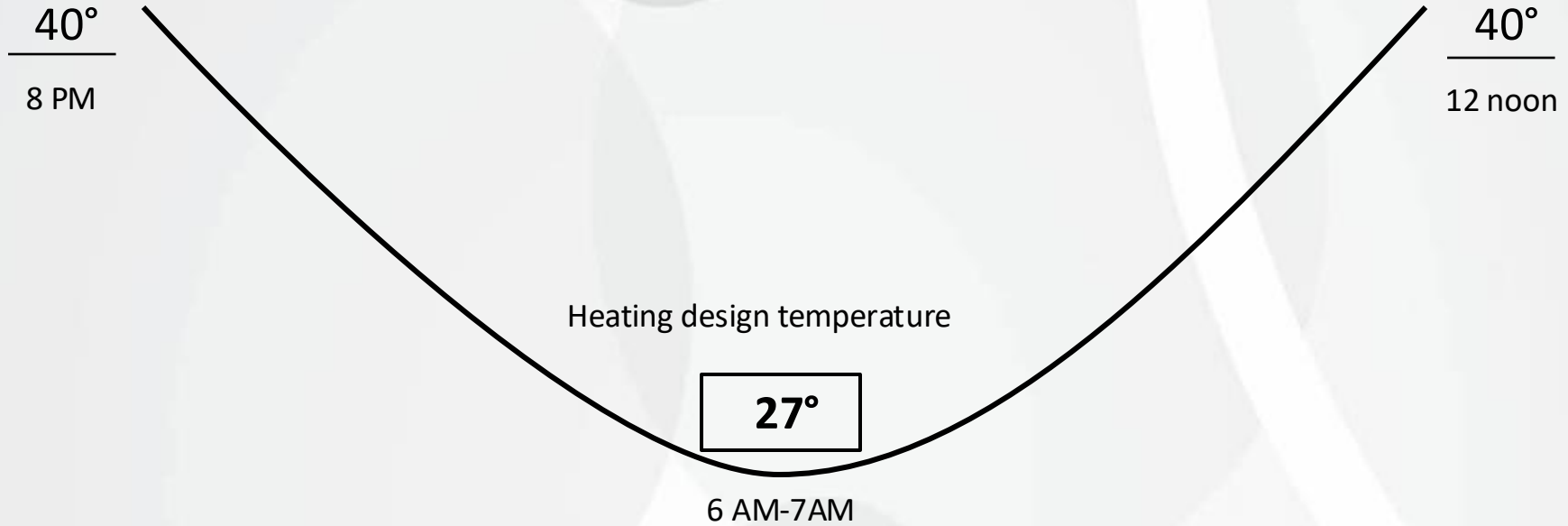
New **Comfort_R**
Variable FAN
Technology



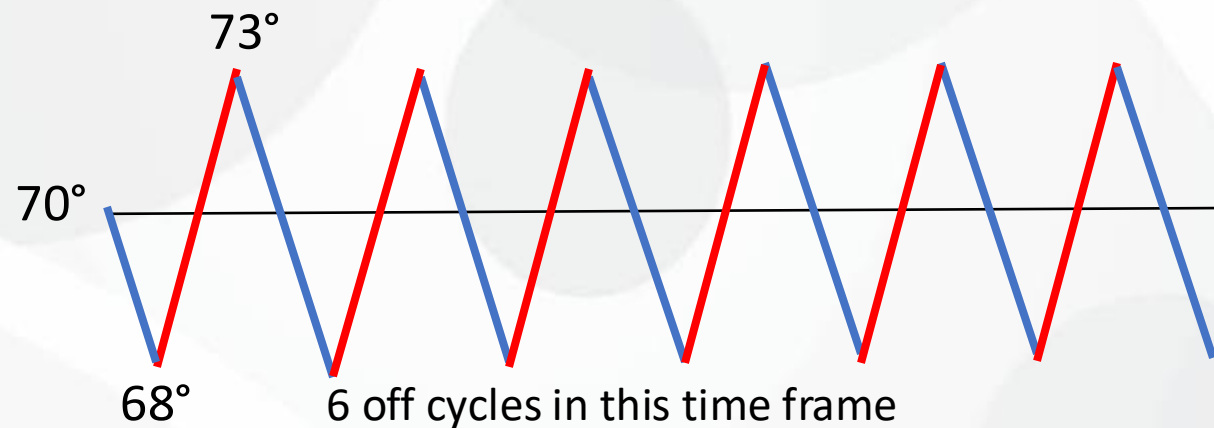
- Increased noise as fan blasts to full speed
- Poor circulation due to short run time
- Lack of dehumidification due to short run time.

- Quieter due to gradual ramping of fan speed
- Increased circulation and comfort due to slower fan speed
- Increased dehumidification due to slower movement of air across indoor coil

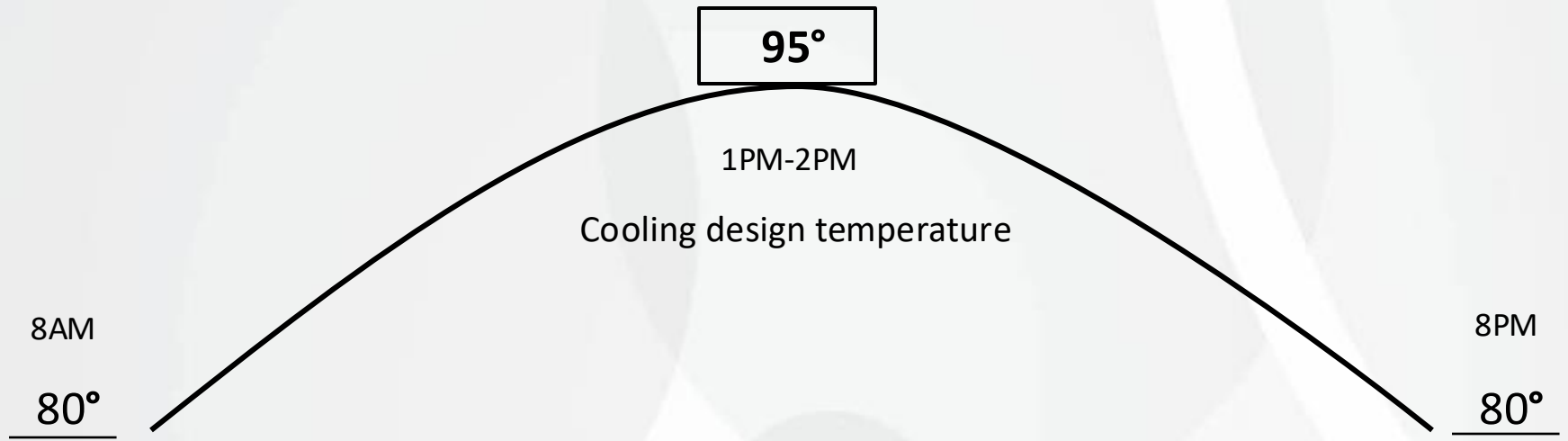
Technology Explained - Heating



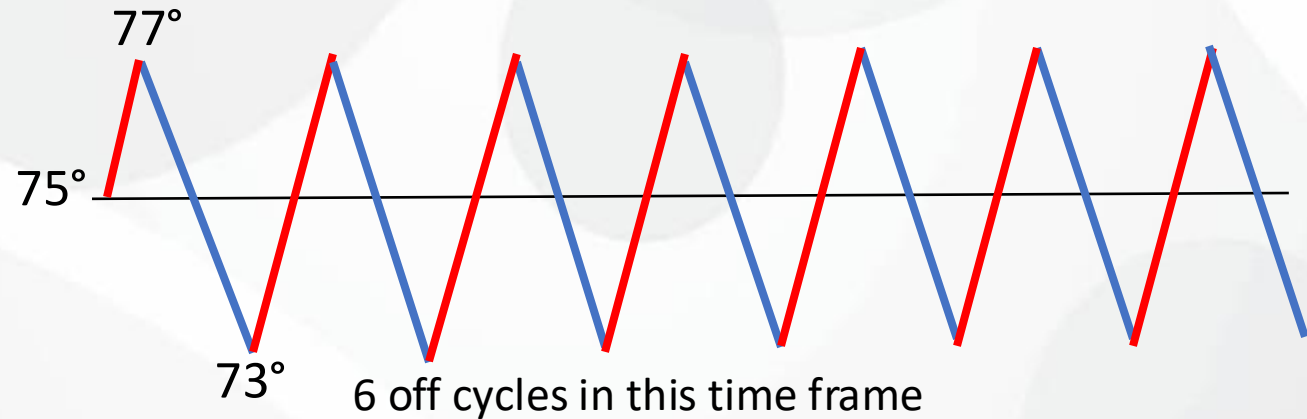
Single stage
furnace or heat
pump w/ single
speed fan



Technology Explained - Cooling



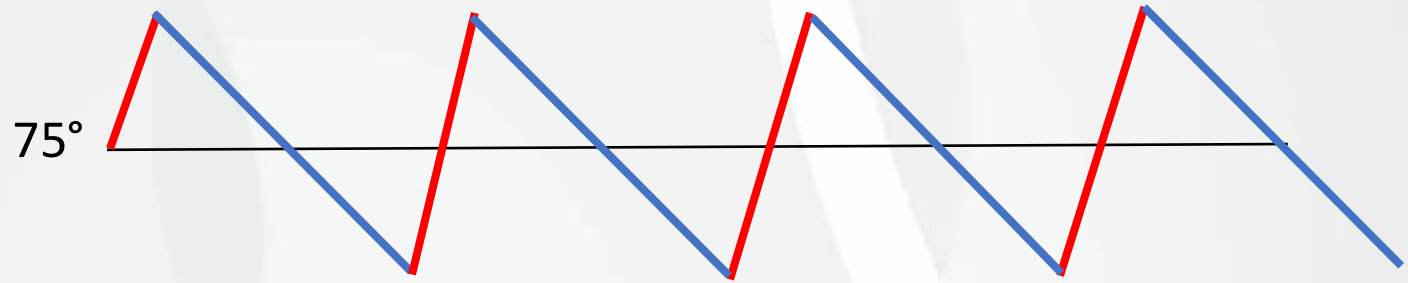
Single stage w/
single speed fan



Options Available

CHOICE

Single stage A/C or HP
w/ComfortR fan (inside)

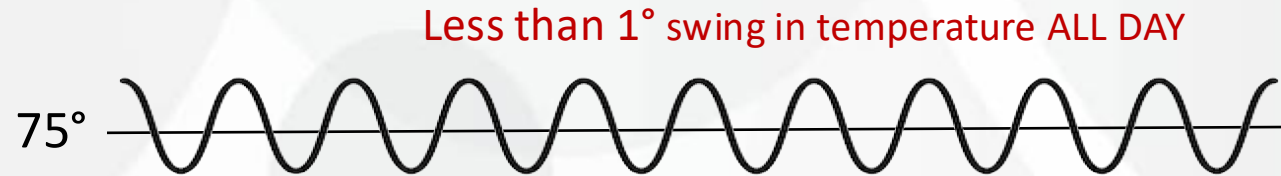


3 off cycles in the same time frame

PRIORITY

MULTI-SPEED

A/C or HP
w/VARIABLE FAN (inside)



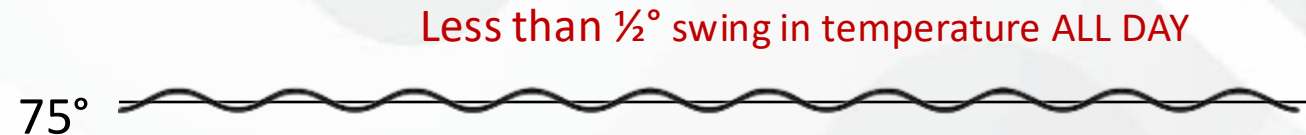
Less than 1° swing in temperature ALL DAY

Off cycle **ELIMINATED!**

PREMIER

VARIABLE SPEED

A/C or HP
w/ VARIABLE FAN (inside)



Less than ½° swing in temperature ALL DAY

Off cycle **ELIMINATED!**



Our Exclusive Warranty

We will warranty the following items for a full 10 years against defects in materials or workmanship from the date your Ideal Comfort Solution[®] system is placed into operation.

- All ductwork we install
- All ductwork insulation we install
- All sheet-metal straps, clamps, fasteners, hangers, locks, and drivers we install
- All drain piping, hangers and fittings we install
- All high-voltage electrical wiring, conduit, fitting, straps, clamps, and terminal connectors we install
- All high-voltage electrical disconnects, boxes, switches, and fuse blocks we install
- All low-voltage electrical wiring, wire nuts, straps, ties, and connectors we install
- All refrigerant piping we install is guaranteed to be refrigerant leak free. Warranty doesn't include the cost to gain access to underground or other inaccessible piping
- All refrigerant piping insulation we install
- All equipment pads, stands, jacks, and vibration elimination devices we install

Proper maintenance is what allows us to offer this unique warranty. The only requirement to keep this protection in force for a full 10 years is to renew your annual maintenance program when due.



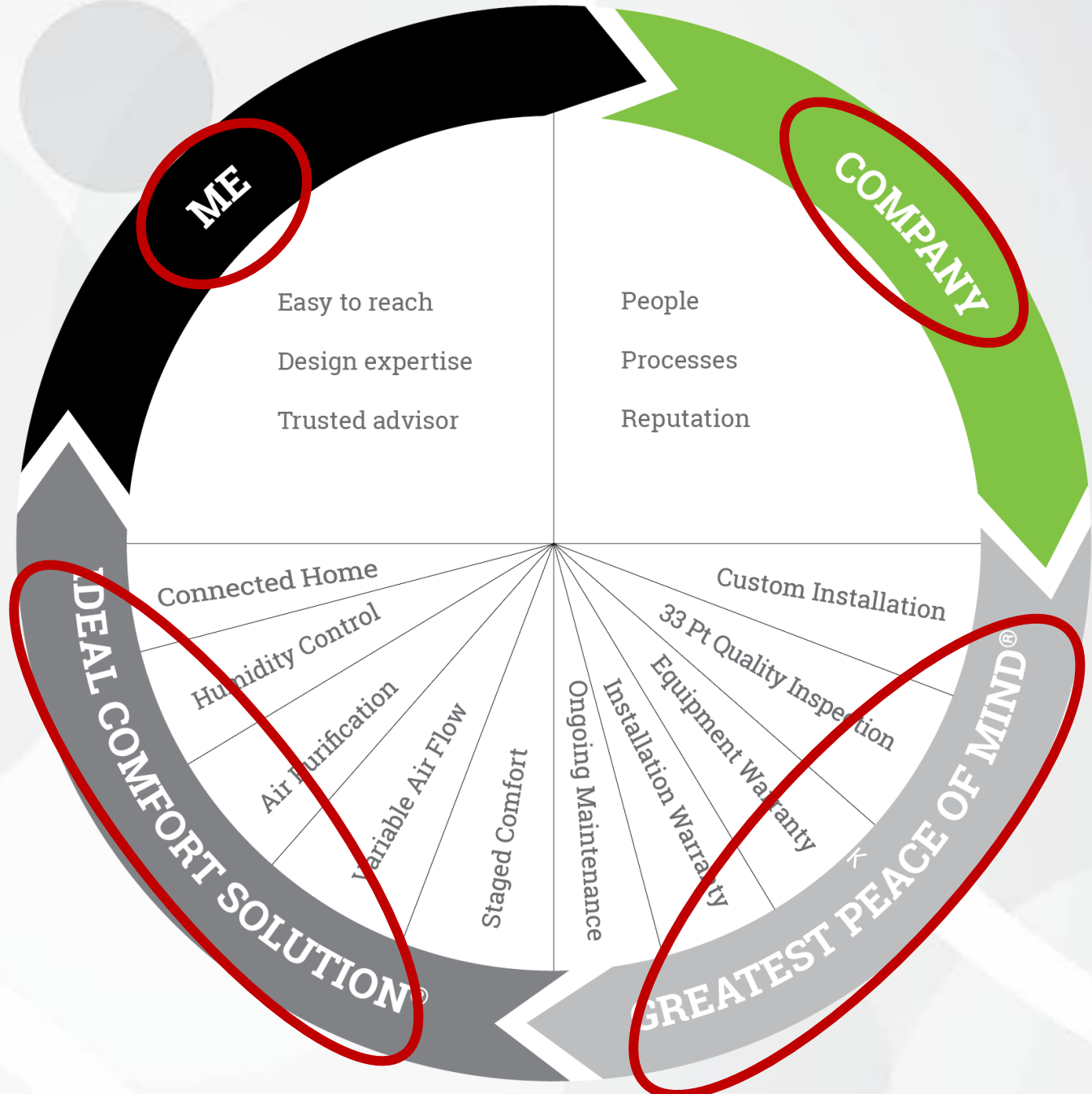
It's Hard To Stop A Trane.[®]



Peak Performance Maintenance

- Outdoor coil will be inspected for heat transfer loss
- Fan blades and wheels will be inspected
- Refrigerant checked for proper charge
- Exposed ductwork will be checked for leaks
- Thermostats will be checked and calibrated as required
- Motors and bearings will be lubricated as required
- Controls and safeties will be tested as needed
- Condensate drains will be checked
- Crankcase heater checked for proper operation
- Relays, contactors and capacitors will be inspected
- Unit wiring and electrical disconnect will be inspected
- Humidifier operation will be checked, where applicable
- Temperature splits will be tested and recorded
- Indoor coil will be inspected
- Indoor air filters will be replaced [] time(s) per year
- Outdoor coils will be power washed [] time(s) per year
- Furnish inspection report & advise of any abnormal conditions

Wheel of Value[®]



Options Available

CHOICE

Single stage A/C or HP
w/**ComfortR** fan (inside)



75°

PRIORITY

MULTI-SPEED

A/C or HP
w/**VARIABLE FAN** (inside)



75°

PREMIER

VARIABLE SPEED

A/C or HP
w/ **VARIABLE FAN** (inside)



75°
