

# INVERTER SCROLL COMPRESSORS

## QUIETER AND MORE EFFICIENT OPERATION

Choosing the right compressor technology should be a reflection of the needs of the building space being served. Inverter scroll compressors are quieter and more efficient than digital scrolls.

## MORE EFFICIENT AT PART LOAD OPERATION

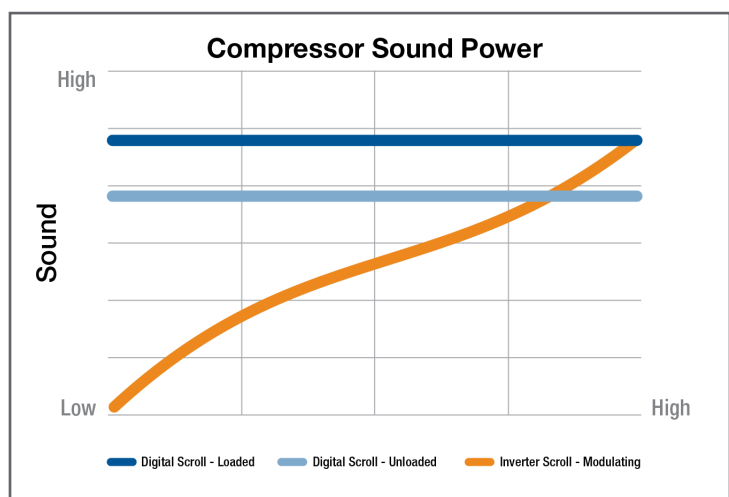
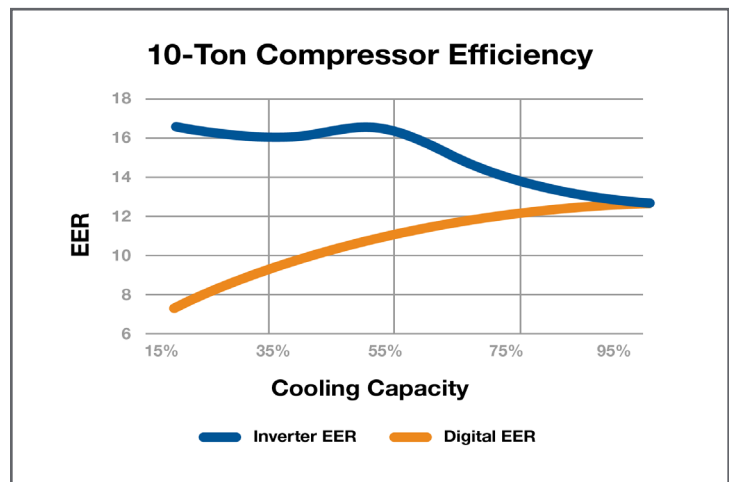
- HVAC systems spend the majority of operating hours at part load
- Inverter scrolls are more efficient at part load operation with a 30-50% average unit IEER improvement over digital scrolls
- At 50% load, an inverter scroll has an EER of approximately 16 vs. a digital scroll with an EER of approximately 11

## QUIETER OPERATION

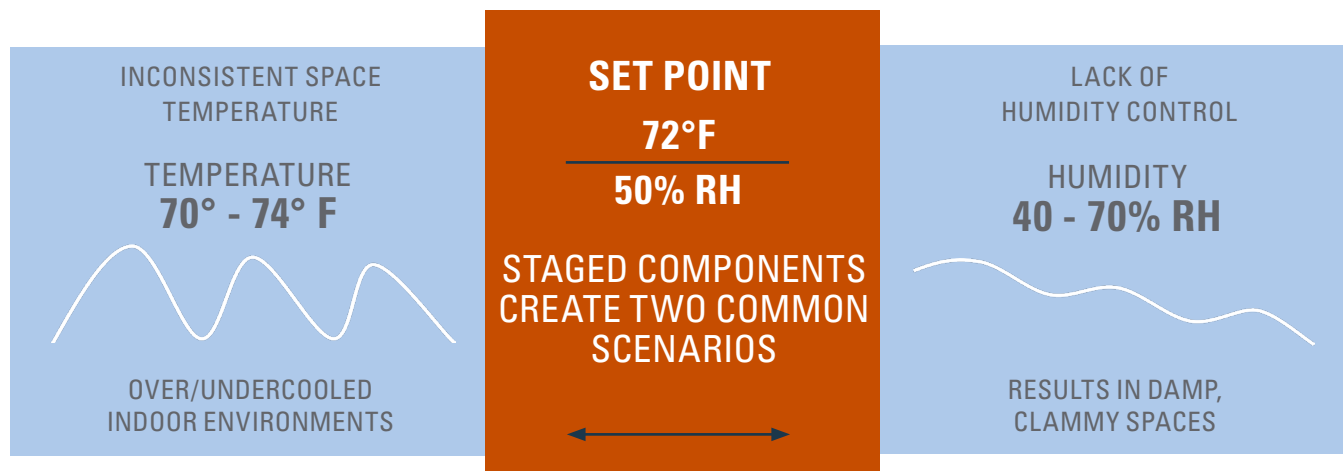
- All Valent compressors are mounted on rubber-in-shear isolators to minimize sound radiation into the space.
- Inverter scrolls are quieter at part load operation when cooling demands are lower because they modulate to meet the cooling demand instead of cycling on and off

## BETTER CONTROL

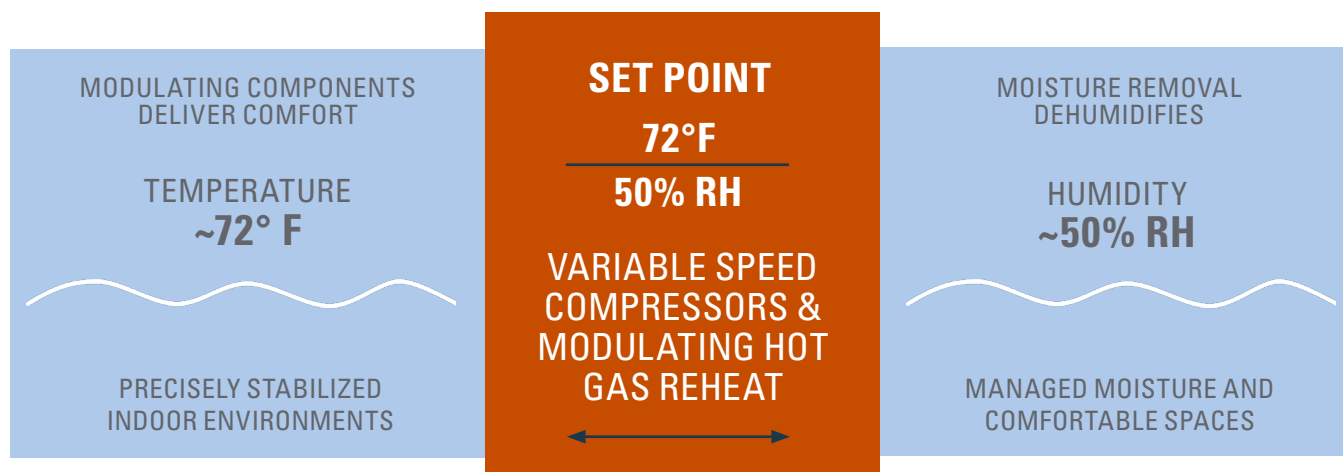
- Inverter scrolls offer true modulating control to accurately track the cooling load and provide tighter and more consistent temperature control in the space



## WITHOUT INVERTER POWER CONTROL



## WITH INVERTER POWER CONTROL



## LEARN MORE

- [www.valentair.com](http://www.valentair.com)
- Read more about [Valent's quiet and efficient compressors](#).
- [Contact your Valent Representative](#).

