

INVERTER

Chillers & Condensing Units

Heat Recovery - Heat Pump

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Chillers & Condensing Units

INVERTER Payback
Capacity Modulation Benefits

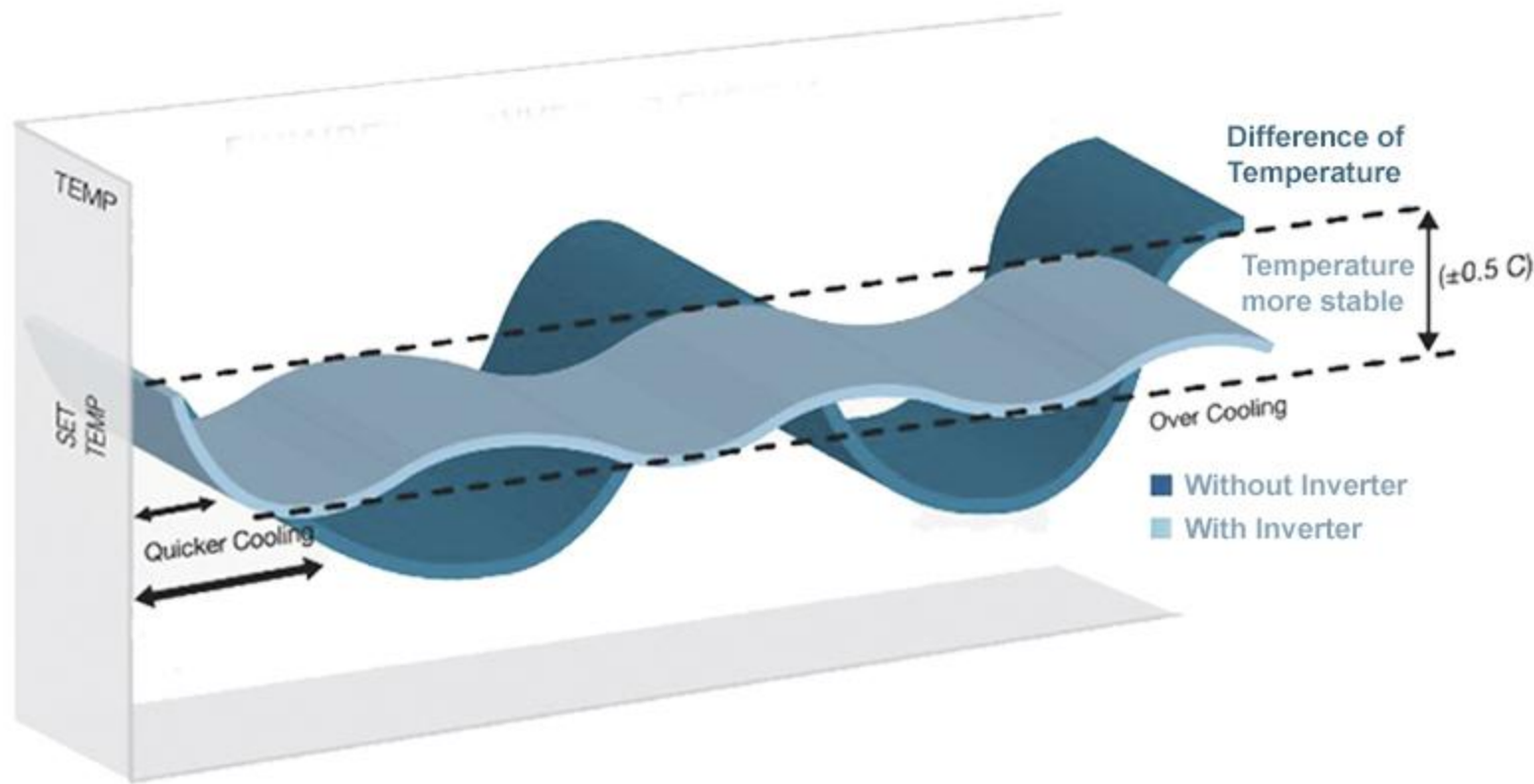


Great Capacity Modulation Energy Savings

INVERTER



Chillers & Condensing Units



Capacity **1 to 600 ton**

Heat Recovery - Heat Pump



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Chillers & Condensing Units

Air Cooled Scroll **Inverter** Chiller

- Scroll Compressors with VFD
- Electronic Variable Speed Fans, Save up to 30% energy
- Electronic Expansion Valve
- R410A
- Quiet and reliable operation
- Easy operation and maintenance
- Friendly Control
- Start up in ramp at minimum power factor

1 to 350 ton
Heat Recovery - Heat Pump

- *Optional**
- Shell & Tube or Brazed Plates HE
 - Each compressor can be an independent circuit

1 to 350 ton Copelan Scroll - Bitzer Scroll



Componentes Premium:



Compresor, Intercambiador, VFD, Bomba de Calor y Heat Recovery



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Chillers & Condensing Units

Air Cooled Semi-hermetic **Inverter** Chiller

- Semi-hermetic Compressors with VFD
- Electronic Variable Speed Fans, Save up to 30% energy
- Electronic Expansion Valve
- R410A
- Quiet and reliable operation
- Easy operation and maintenance
- Friendly Control
- Start up in ramp at minimum power factor

3 to 350 ton
Heat Recovery - Heat Pump

- *Optional**
- Shell & Tube or Brazed Plates HE
 - Each compressor can be an independent circuit



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Air Cooled Screw **Inverter** Chiller

- Screw Compressors with VFD
- Electronic Variable Speed Fans, Save up to 30% energy
- Electronic Expansion Valve
- R134a
- Quiet and reliable operation
- Easy operation and maintenance
- Friendly Control
- Start up in ramp at minimum power factor

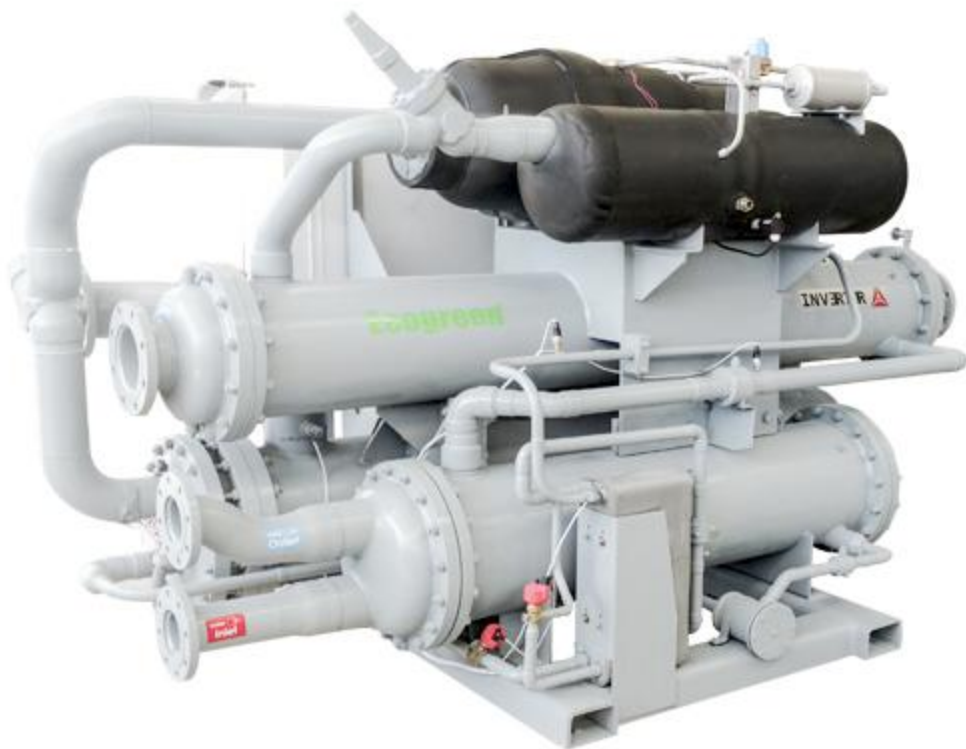
50 to 600 ton
Heat Recovery - Heat Pump

- *Optional**
- Shell & Tube or Brazed Plates HE
 - Each compressor can be an independent circuit

INVERTER



Chillers & Condensing Units



Water Cooled Screw **Inverter** Chiller

- Screw Compressors with VFD
- Electronic Variable Speed Fans, Save up to 30% energy
- Electronic Expansion Valve
- R134a
- Quiet and reliable operation
- Easy operation and maintenance
- Friendly Control
- Start up in ramp at minimum power factor

50 to 600 ton
Heat Recovery - Heat Pump

- *Optional**
- Shell & Tube or Brazed Plates HE
 - Each compressor can be an independent circuit

INVERTER Payback

Capacity Modulation Benefits



1. **Capacity Modulation** Adjust capacity according to load demand, reduced load means reduced energy demand and Optimizing process, making changes in a process. Energy Savings. **Payback**
2. **Lower Power Demand on Start**, Motor is started at zero voltage and ramped up, Demand factors are placed on industrial customers, during peak periods. These demand factors would not be an issue with Inverter. **Payback**
3. **Controlled Starting Current** Increase longevity of the motor. **Payback**
4. **Controlled Acceleration** Starts at zero speed and accelerates smoothly No mechanical shock both for the motor and compressor Parts. **Payback**

INVERTER Payback

Capacity Modulation Benefits



5. **Reduced Power Line Disturbances** can cause sensitive equipment trip offline due to the low voltage. Motor is started at zero voltage and ramped up. **Payback**
6. **Adjustable Torque Limit** Protect compressors from damage reduce amount of torque by the motor overload, never exceeds limit. **Payback**
7. **Controlled Stopping** Just as important as controlled acceleration, controlled stopping can be important to reduce mechanical wear and tear. **Payback**