Jetson
Excellence in HVAC

Scroll Water-Cooled Chillers

Scroll Water-Cooled Chillers

Jetson Scroll Water-Cooled Chillers are designed for performance and serviceability. Each chiller is factory tested to ensure proper operation in the field. Heat exchangers and refrigerant systems are easily serviced.

Designed for performance ***and serviceability.*** *Each chiller is factory tested to ensure proper operation in the field.*

Features & Options

- Capacities from 20 to 85 tons
- ***Designed for easy retrofit—fits through a standard three-foot door***
- ***Brazed plate condenser for high efficiency or shell or tube condenser for robust design and serviceability***
- ***Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®***
- Labeled control wiring matches unit wiring diagram included in the control compartment for ease of serviceability
- Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications
- Compressors are factory installed on rubber isolation mounts for quiet operation
- ***Optional replaceable core filter driers for ease of service***
- LED lighted control cabinet for clear viewing during service and maintenance
- ***15.4" Touchscreen for viewing machine performance and easy access for service and maintenance personnel***
- ASHRAE 90.1 compliant

Applications

- ***High capacity evaporators are available for 40°F (4°C) leaving water applications or for applications requiring glycol to offset capacity reduction of glycol system.***
- Water-cooled, remote air-cooled, or evaporative condenser applications.
- ***Ice making mode available for skating rinks, thermal storage and more.***
- Heat Recovery capability up to 140°F (60°C) to conserve energy by reusing condenser leaving water to serve heat loads like boiler loops, reheat coils, pool heating and more.
- Designs for 150 psi or 300 psi water pressure applications.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson
Excellence in HVAC

Modular Water-Cooled Chillers

Modular Water-Cooled Chillers

Jetson Modular Water-Cooled Chillers feature a compact modular design that makes them ideal for easy replacement, retrofit, or new construction applications. Modular chillers offer superior expandability for future expansion and are uniquely suited for applications with critical cooling or heating systems that have redundancy requirements.

The compact modular design makes these chillers ***ideal for easy replacement, retrofitting, or new construction.***

Features & Options

- ***Modular capability to install up to ten (10) modules together to reach capacities up to 600 tons***
- ASHRAE 90.1 compliant
- Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®
- ***Single circuit refrigeration systems for lower first costs or dual circuit refrigeration systems for greater operating redundancy***
- ***Heat Recovery capability up to 140°F (60°C) to conserve energy by reusing condenser leaving water to serve heat loads like boiler loops, reheat coils and more***
- High and low-pressure protection/ compressor overload protection
- Single point electrical connection for array or separate module electrical feeds provide electrical redundancy
- Shipped with R-410A for water-cooled systems or nitrogen holding charge for split systems
- ***Designed for easy retrofit—fits through a standard three-foot door***
- Factory-assembled and shipped with complete internal piping and wiring, essential controls and protective devices
- Compressors are factory installed on rubber isolation mounts for quiet operation
- ***Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications***
- Simple to use controls with displays in plain English and automatic data logging of faults and alarms

Applications

- High capacity evaporators are available for 40°F (4°C) leaving water applications or for applications requiring glycol to offset capacity reduction of glycol system.
- ***Water-cooled, remote air-cooled, or evaporative condenser applications.***
- ***Constant or variable primary flow systems with factory provided valve packages.***
- N+1 or N+2 redundant control logic.
- Ice making mode available for skating rinks, thermal storage, and more.
- Designs for 150 psi or 300 psi water pressure applications.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson
Excellence in HVAC

Packaged Air-Cooled Chillers

Very low noise level due to the high efficiency, EC motor driven condenser fans.

Packaged Air-Cooled Chillers

Jetson Packaged Air-Cooled Chillers are designed for a variety of applications ranging from maintaining comfort in a building to cooling a process. With high efficiency, EC motor driven, condenser fans the unit produces a very low noise level and offers increased part-load unit efficiency.

Features & Options

- ***Capacities from 10 to 80 tons***
- ASHRAE 90.1compliant
- ***High-efficiency scroll compressors, including variable speed***
- Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®
- Standard uncoated or optional e-coated microchannel heat exchanger (MCHE) condenser coils
- ***Hydronic pump package***
- ***Operation from -20°F to 120°F (-29°C to 49°C) ambient temperature***
- Highly efficient, dual circuit brazed plate heat exchangers offer maximum performance at both full and part-load conditions. Robust shell and tube evaporators have larger passages and are more tolerant of water systems that may require frequent cleaning.
- Galvanized steel frame with painted epoxy finish on exterior panels minimize corrosion and promote long equipment life
- Four-pipe operation with brazed plate condenser sized for full heat rejection offers significantly more heating capacity than a desuperheater
- ***Ground or rooftop installation***
- Heat recovery option can provide 140°F (60°C) water to reheat dehumidified buildings or pre-heat laundry or pool water
- ***Compressors are factory installed on rubber isolation mounts for quiet operation***
- Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications
- ***Reduced refrigerant charge to help earn LEED EA credit***

Applications

- ***High capacity evaporators are available for 40°F (4°C) leaving water applications or for applications requiring glycol to offset capacity reduction of glycol system.***
- ***Ice making mode available for skating rinks, thermal storage and more.***
- Heat recovery capability up to 140°F (60°C) to conserve energy by using second condenser to provide leaving water to serve heat loads like boiler loops, reheat coils, and more.
- The flexible design of Jetson chillers allows applications in both process and comfort cooling applications.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson

Excellence in HVAC

Modular Air-Cooled Chillers

An industry leading small-footprint, modular design.

Ideal for easy replacement, retrofit, or new construction applications.

Modular Air-Cooled Chillers

Jetson Modular Air-Cooled Chillers feature an industry leading small-footprint and modular design that makes them ideal for easy replacement, retrofit, or new construction applications. With high efficiency, EC motor driven condenser fan, and low sound fan blade design, the unit produces a very low noise level and offers increased part-load unit efficiency and superior redundancy to single machines. By adding modules to the Jetson array, modular chillers can satisfy both current and future chilled water needs.

Features & Options

- ***Modular capability to install up to ten (10) modules together to reach capacities up to 600 tons***
- ***Flexible end-to-end and side-to-side configurations (see images) provide footprint flexibility for even challenging installations***
- Compressors are factory installed on rubber isolation mounts for quiet operation
- ***Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications***
- ***Variable speed compressors and condenser fans***
- ASHRAE 90.1 compliant
- Hydronic pump package
- Reduced refrigerant charge to help earn LEED EA credit 4
- ***Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®***
- Standard uncoated or optional e-coated microchannel heat exchanger (MCHE) condenser coils
- Highly efficient, dual circuit brazed plate heat exchangers offer maximum performance at both full and part-load conditions.
- ***Operation from -20°F to 120°F (-29°C to 49°C) ambient temperature***
- Galvanized steel frame with painted finish on exterior panels minimizes corrosion and promotes long equipment life

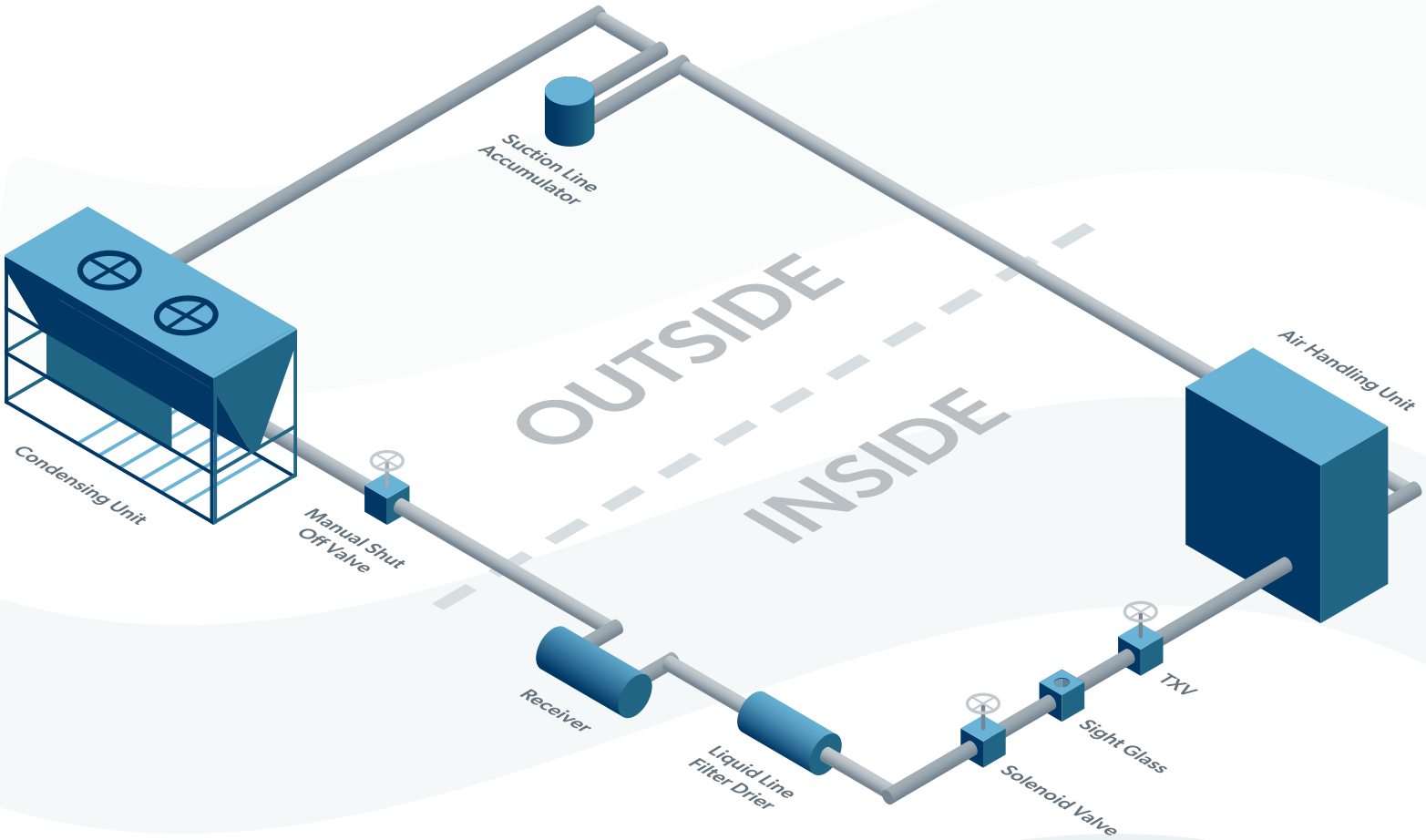
Applications

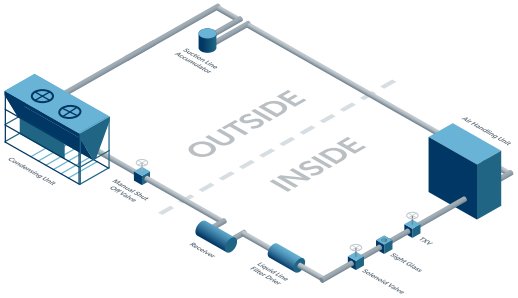
- ***High capacity evaporators are available for 40°F (4°C) leaving water applications or for applications requiring glycol to offset capacity reduction of glycol system.***
- Constant or variable primary flow systems with factory installed motorized or manual valve packages.
- ***Ice making mode available for skating rinks, thermal storage and more.***
- Heat recovery capability up to 140°F (60°C) to conserve energy by using second condenser to provide leaving water to serve heat loads like boiler loops, reheat coils, and more.
- The flexible design of Jetson chillers allows applications in both process and comfort cooling applications.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson
Excellence in HVAC

Split-System Air-Cooled Chillers





Split-System Air-Cooled Chillers

Jetson Innovations Split-System Air-and Water-Cooled Chillers, Condensing Units and Condensers are designed for the high demands of the split system market. Designed for efficiency, reliability and serviceability, Jetson units have the most advanced designs in the industry.

***15.4" Touchscreen monitor for viewing machine performance** and easy access for service personnel.*

Features & Options

- ***Capacities from 10 to 85 tons***
- ***Indoor unit is designed for easy retrofit—fits through a standard three-foot door***
- ***Brazed plate or shell and tube evaporator to match your chilled water needs***
- Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®
- Labeled control wiring matches unit wiring diagram included in the control compartment
- The remote evaporator option available on condensers with compressors allows chilled water to be generated remotely
- Split systems are available with a number of options including, suction, liquid and discharge service valves, corrosion protected coils, vibration isolators and more
- ***Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications***
- ***Replaceable core filter driers for ease of service and installation of split system piping***
- LED lighted control cabinet for clear viewing during service and maintenance
- ***15.4" Touchscreen for viewing machine performance and easy access for service and maintenance personnel***
- ***Predetermined refrigerant line sizes for quick and easy field installation***
- ***Available with compressor(s) indoor at evaporator in compressor chiller configuration or with compressor(s) outdoor at condenser in condensing unit configuration***

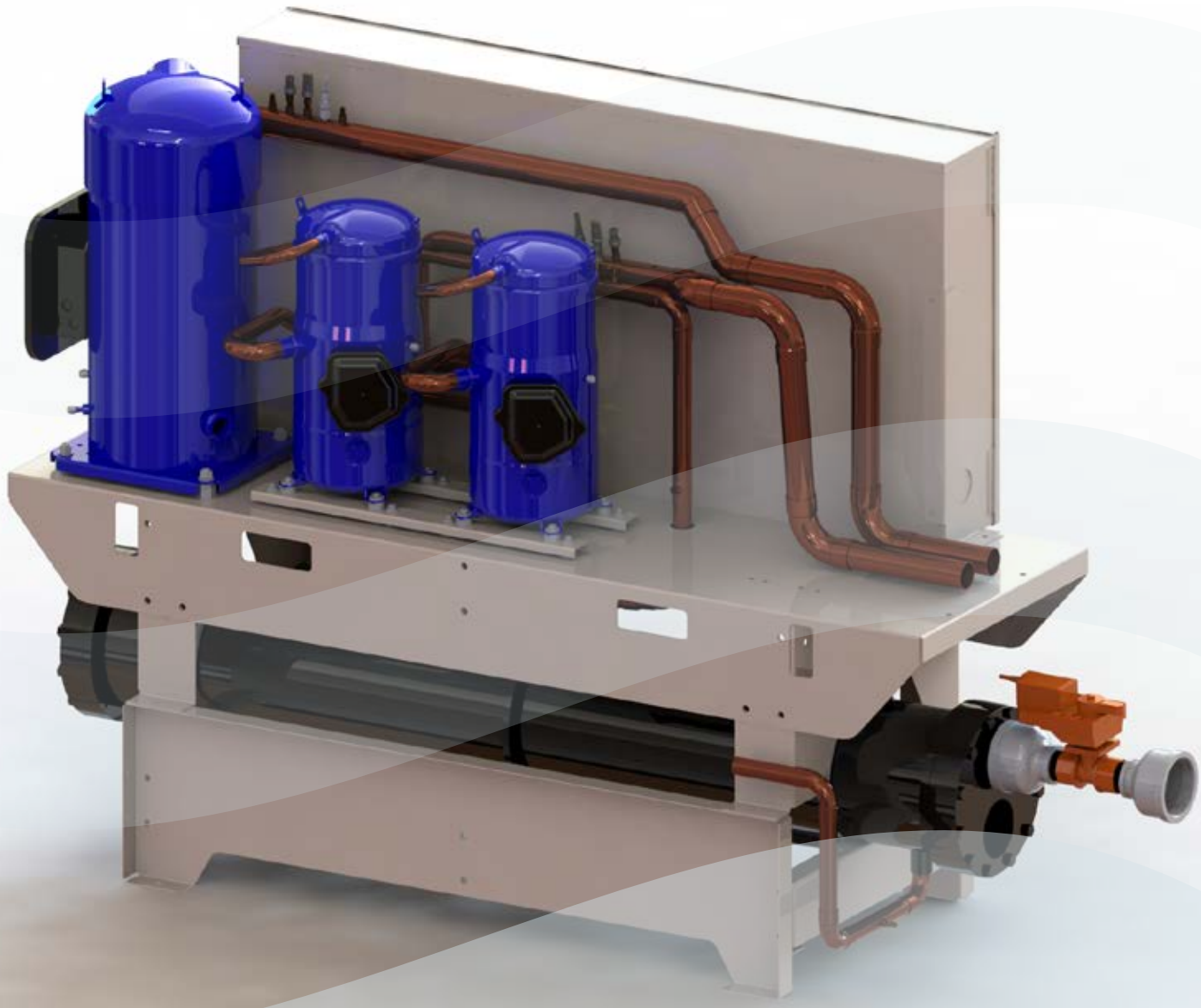
Applications

- ***High capacity evaporators are available for 40°F (4°C) leaving water applications or for applications requiring glycol to offset capacity reduction of glycol system.***
- With the evaporator indoors, no freeze protection is required. This has the benefits or requiring no glycol, no draining of the system, and no need to run pumps all winter long.
- With the evaporator AND compressors indoors, no freeze protection is required and additional components that were outdoors, such as the unit controller, are located indoors for ease of maintenance.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson
Excellence in HVAC

Water-Cooled Condensing Units



Designed for quiet, high-efficiency operation. ***Built to withstand demanding continuous duty cycles.***

Water-Cooled Condensing Units

Jetson Water-Cooled Condensing Units are designed for quiet, high efficiency operation and built to withstand demanding continuous duty cycles. Water-cooled condensing units are shipped with a dry nitrogen holding charge.

Features & Options

- ***Capacities from 20 to 85 tons***
- ***Designed for easy retrofit—fits through a standard three-foot door***
- ***Brazed plate condenser for high efficiency or shell and tube condenser for robust design***
- Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®
- Labeled control wiring matches unit wiring diagram included in the control compartment
- Compressors are factory installed on rubber isolation mounts for quiet operation
- ***Replaceable core filter driers for ease of service and installation of split system piping***
- ***Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications***
- ***LED lighted control cabinet for clear viewing during service and maintenance***
- ***Water-cooled condensing units provide great design flexibility because they can be combined with a wide variety of coils or chillers***
- 15.4" Touchscreen for viewing machine performance and easy access for service and maintenance personnel
- Fused or non-fused disconnect switches are available factory installed

Applications

- ***Water-cooled condensing unit can be applied where air cooled units are not desirable or space is unavailable.***
- The Jetson water-cooled condensing units can be paired with remote direct expansion (DX) air handlers or remote chilled water evaporators for design flexibility.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com

Jetson
Excellence in HVAC

Air-Cooled Condensing Units

Air-Cooled Condensing Units

Jetson Air-Cooled Condensing Units are the leaders in the split system marketplace. Designed for quiet operation, serviceability, efficiency, and reliability, Jetson condensing units are applied in numerous commercial and industrial applications.

All split system lines are factory designed and our ***knowledgeable system designers are available for support.***

Features & Options

- ***Capacities from 10 to 80 tons***
- High-efficiency scroll compressors including variable speed compressor unloading
- Intuitive, factory installed microprocessor-based controller compatible with BACnet®, Modbus®, and LonTalk®
- Standard uncoated or optional e-coated microchannel heat exchanger (MCHE) condenser coils
- Galvanized steel frame with painted finish on exterior panels promotes long equipment life
- High and low-pressure protection/ compressor overload protection
- ***Ground or rooftop installation***
- Compressors are factory installed on rubber isolation mounts for quiet operation
- ***Compressor acoustic hoods and/or sound isolating cabinets are available for sound sensitive applications***
- ***Variable speed condenser fans***

Applications

- ***Multi-story office buildings, hotels, schools, municipal and industrial facilities that need economical cooling but cannot utilize equipment like rooftop units benefit from split system designs.***
- The air-cooled condensing unit installs easily and quickly on the roof or ground and refrigerant line sizes are predetermined for typical comfort cooling and process applications.
- With the evaporator indoors, no freeze protection is required. This has the benefits of requiring no glycol, no draining of the system, and no need to run pumps all winter long.
- Condensing units are flexible and can be matched with indoor brazed plate, shell and tube or DX fin and tube evaporators.

Jetson
JetsonHVAC.com
903.758.2900 (Office)
903.758.2903 (Fax)
Sales@jetsonhvac.com