role: user: **1. WHAT IS YORK SUN CHOICE ROOFTOP UNITS?** YORK Sun Choice rooftop units, offering high-efficiency, ultra-high-efficiency and heat pump options for the most economical comfort cooling in the 12.5-27.5-ton range. With downflow and side flow units providing high-efficiency performance at a standard-efficiency price, as well as new heat pump and ultra-high-efficiency options, there’s a YORK Sun Choice rooftop unit for every application.

* The full portfolio of YORK Sun Choice rooftop units delivers higher efficiency than competitive units for lower operating costs over the lifetime of the unit. But that’s not the only way Choice rooftop units deliver a better value. In fact, you’ll also save money at the beginning of the project with lower upfront costs — including direct replacement of most competing units without a transition curb.
* Realizing efficiency requirements are continuously pushing the envelope of technology, standard efficiency Choice units meet the latest U.S. Department of Energy efficiency requirements where IntelliSpeed and variable air volume (VAV) airflow options deliver energy efficiency exceeding the Department of Energy mandates for 2023. Achieving efficiencies as high as 14.8 IEER (cooling only/electric heat) and 14.6 IEER (gas heat), the standard efficiency Choice product line provides users with significant energy savings alongside impressive flexibility and unparalleled reliability. All models are available with extensive options and accessories provided both through factory installation and field kits. Airflow requirements are met through IntelliSpeed discrete fan control, and VAV blower configurations. All tonnages can be configured for cooling only, electric heating, staged gas heating, or modulating gas heating. Near limitless flexibility is available with custom modifications provided by the Norman Modification Center located in the HVAC Rooftop Center of Excellence in Norman, Oklahoma.

**2. AWARD WON BY YORK SUN CHOICE ROOFTOP UNITS?**

* YORK Sun Choice Heat Pump Rooftop Units won the Engineered Systems 2022 Commercial Comfort Product of the Year Award in the Rooftop Unit category. Choice heat pump rooftop units streamline specification and deliver value for both contractors and facility managers via superior performance, greater flexibility and exceptional reliability.

**3. WHAT IS HIGH-EFFICIENCY MODEL IN YORK SUN CHOICE UNIT?**

* High efficiency model in choice high-efficiency rooftop units is available in dedicated downflow (15-27.5 tons) or sideflow (15-25 tons) configurations, with corresponding options and accessories to match. Both versions provide up to 23% greater part-load efficiency than our legacy comparable, standard-efficiency units and up to 10% higher part-load performance than competitive units and surpass Department of Energy 2023 part-load standards by almost 10%.

**4. WHAT IS ULTRA HIGH-EFFICIENCY MODEL IN YORK SUN CHOICE UNIT?**

* Ultra-high-efficiency model in choice rooftop units (12.5-23 tons) exceed current “ultra-high-efficiency” tier performance in the 12.5-23-ton range and leverage a combination of Copeland high-efficiency ZPKZ and ZPV variable-speed compressor technology to deliver the highest part-load efficiency in their class.

**5. WHAT IS HEAT PUMP MODEL IN YORK SUN CHOICE UNIT?**

* Heat pump model in choice rooftop units (12.5-25\* tons) use mechanical and electric heat instead of gas combustion to support sustainability and decarbonization efforts by reducing both energy use and harmful CO2 emissions. These remarkable heat pump units also deliver up to 13% higher IEER than competitive units, meet Department of Energy 2023 efficiencies for both heating and cooling and are a direct replacement for competitive units – no transition curb required.

**6. WARRANTY PERIOD FOR YORK SUN CHOICE UNIT?**

* A 1-year parts warranty is standard on all Choice rooftop units, along with 5-year compressor and electric heat limited warranties, a 10-year aluminized heat exchanger limited warranty and a 15-year stainless steel heat exchanger limited warranty. Should additional assistance ever be required for a Choice rooftop unit, in-market factory tech support is just a phone call away.

1. **SERVICE PARTS AVAILABILITY FOR YORK SUN CHOICE UNIT?**

* YORK network of SOURCE 1 supply centers provides easy access to genuine, factory-authorized service parts.

1. **MAINTENANCE FOR YORK SUN CHOICE UNIT?**

* Choice rooftops are designed for ease of service with accessible connections, coils and compressors. Single-side access to all serviceable items further simplifies maintenance, while our new, industry-leading Commercial Application Support organization provides expert technical and field support for every aspect of ownership – including installation, replacement and service.

1. **YORK SUN CHOICE UNIT WEIGHT?**

* The lightweight design of high-efficiency Choice rooftop units is up to 33% lighter than existing YORK® models (and up to 22% lighter than competing products), further streamlining specification by saving on building design requirements and eliminating the need for additional structural engineering analysis when used in replacement applications. In addition, the full range of Choice rooftop units has been designed to fit approximately 70% of the competitive installed base, minimizing the need for costly transition curbs.

**10. FLEXIBILITY IN DOWNFLOW HIGH EFFICIENCY YORK SUN CHOICE UNIT**

* Model Name: - AV
* Application: - AC/Gas/Electric
* Tonnage Range: - 15-27.5 tons
* Airflow Pattern: - Vertical
* EER/IEER/COP: - Up to 11.1\*/14.8\*
* Voltage: - 208/230/460/575-3-60
* Cooling Stages: - 2 or 4 stages
* Heating Stages: - 2 or Mod (2.85 to 1)
* Low Ambient: - Optional to -10

**11. FLEXIBILITY IN SIDEFLOW HIGH EFFICIENCY YORK SUN CHOICE UNIT**

* Model Name: - AH/AL
* Application: - AC/Gas/Electric
* Tonnage Range: - 15-25 tons
* Airflow Pattern: - Horizontal
* EER/IEER/COP: - Up to 11.1\*/14.8\*
* Voltage: - 208/230/460/575-3-60
* Cooling Stages: - 2 or 4 stages
* Heating Stages: - 2 or Mod (2.85 to 1)
* Low Ambient: - Optional to -10

**12. FLEXIBILITY IN DOWNFLOW HEAT PUMP YORK SUN CHOICE UNIT**

* Model Name: - HV
* Application: - Heat Pump/Electric
* Tonnage Range: - 12.5-25 tons
* Airflow Pattern: - Vertical
* EER/IEER/COP: - Up to 10.9\*/14\*/3.3
* Voltage: - 208/230/460/575-3-60
* Cooling Stages: - 2 stages
* Heating Stages: - Electric heat
* Low Ambient: - Optional to -10 (-8 in heating)

**13. FLEXIBILITY IN DOWNFLOW ULTRA-HIGH EFFICIENCY YORK SUN CHOICE -**

**HIGH EFFICIENCY UNIT**

* Model Name: - AW
* Application: - AC/Gas/Electric
* Tonnage Range: - 12.5-23 tons
* Airflow Pattern: - Vertical
* EER/IEER/COP: - Up to 12.7\*/20.3\*
* Voltage: - 208/230/460/575-3-60
* Cooling Stages: - 4 stages or variable
* Heating Stages: - 2 or Mod (2.85 to 1)
* Low Ambient: - Standard to -10

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| --- | --- | --- | --- | --- | --- |
| **Component** | Choice SE Vertical (2 Stage Unit) | | | | |
| AV15 | AV18 | AV20 | AV25 | AV28 |
| **Nominal Tonnage** | 15 | 17.5 | 20 | 25 | 28 |
| Gross Capacity (MBH) | 176 | 204 | 244 | 297 | 332 |
| Net Capacity (MBH) | 172 | 198 | 238 | 286 | 320 |
| EER | 10.9 | 10.8 | 10.8 | 10 | 10.2 |
| IEER (CV) | 12.8 | 12.4 | 12.2 | 11.4 | 11.4 |
| IEER (Intelispeed) | 14 | 14 | 14 | 13.8 | 13.2 |
| IEER (VAV) | 14.4 | 14.2 | 14 | 14 | 14 |
| Standrd CFM | 4800 | 5400 | 6000 | 8000 | 9050 |
| System Power (KW) | 15.78 | 18.33 | 22.04 | 28.6 | 31.37 |
| Charge Qty |  |  |  |  |  |