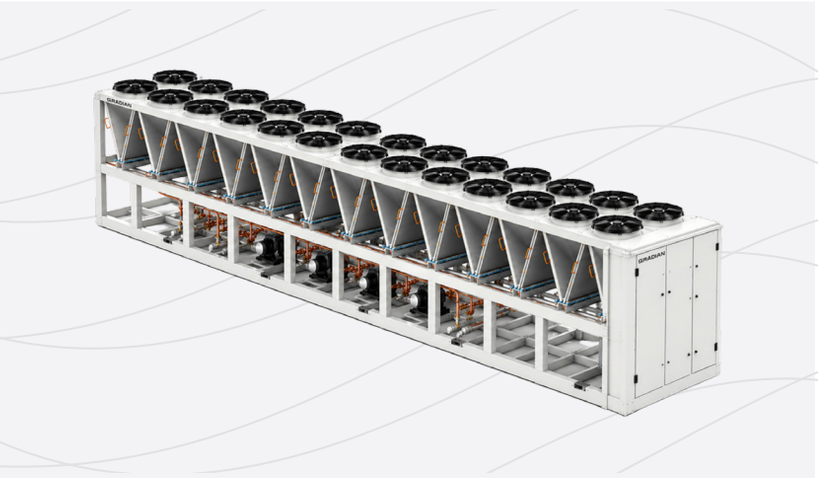
550 Ton Air Cooled Centrifugal Chiller

Gradian's 550 Ton air cooled centrifugal chiller is engineered for mission-critical cooling in data centers and high-ambient-temperature environments. Premium components, including oil-free Copeland Aero-lift compressors, deliver high efficiency and reliable performance with less mechanical complexity. VFD-controlled compressors and EC motor driven condenser fans provide superior turndown, and R513A refrigerant supports sustainable operation.

KEY FEATURES

- Oil-free centrifugal compressor (Copeland Aero-lift) affords best-in-class efficiencies, reliability, and ease of maintenance
- 4 compressors in 2 circuits (tandem compressors in each circuit) for superior redundancy
- Superior turndown with VFD-controlled compressors and EC motor driven condenser fans
- Ultra quiet operation
- Designed for data center conditions with high chilled water temperatures and high ambient temperature operation
- A1 refrigerant, which is non-toxic and non-flammable
- R513A has a GWP of only 631



SPECIFICATIONS

CAPACITY	550 Tons
POWER SUPPLY	460V / 3Ph, 735 A FLA
WEIGHT	10,200 kg (22,487 lbs)
DIMENSIONS	8 ft x 8 ft x 52.5 ft long
AMBIENT OPERATION	20F to 120F
CHILLED WATER TEMPERATURE	41F to 78F
COMPRESSORS	Oil-Free Centrifugal Compressors Driven by VFDs
EVAPORATOR	Flooded Shell and Tube Evaporator
CONDENSER	Microchannel condenser coils
REFRIGERANT	R513A (A1 Refrigerant), 631 GWP, Zero ODP

STANDARD FEATURES

- Oil free compressors
- Dual circuited with tandem compressors each circuit for a total of 4 compressors
- VFD driven compressors
- Microchannel condenser coils with ECM condenser fans
- Flooded evaporator
- Carel controller PCO5 Bacnet interface
- 12/18 parts warranty

OPTIONAL FEATURES

- Condenser coil coating for coastal environments
- Fully Integrated Pump Package
- 65k SCCR
- Power protections
- Active Harmonic filters
- Extended warranties available

Specifications may vary based on model and capacity.