

# ELECTRA.

*For high-capacity, all-electric*

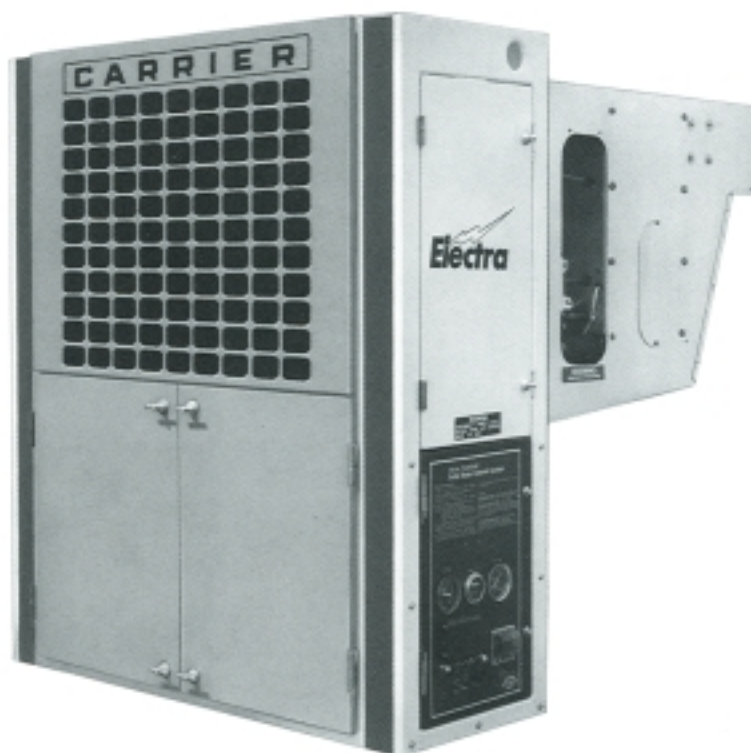
# PERFORMANCE

*on the ROAD. And off.*

The Electra™ trailer refrigeration system is the highest-capacity, all-electric nose-mount on the road. It's also the highest-capacity refrigeration system off the road—for warehouse applications. The Electra system is equipped with reliable solid-state controls, durable 06DR compressor, and HFC Refrigerant-404A.

- **Durapak Carrier compressor.** Durable, serviceable model 06DR hermetic compressor, designed exclusively for refrigeration duty. Its big 36.6-cubic-inch (600 cm<sup>3</sup>) displacement delivers the industry's highest capacity of any all-electric nose-mount.
- **Compressor piston rings** on precision-ground pistons reduce blowby and high oil circulation, helping maintain high compressor and evaporator efficiency even as the operating hours increase.
- **Control system.** Solid-state control system includes thermostat, relays, diodes, and circuit breakers that plug in for easy service. The thermostat never needs calibration. And solid-state sensing provides faster response to changes in reefer air temperature to hold the load at the desired temperature.
- **All-steel frame** is stronger than aluminum and can be repaired easily by most any welder, most anywhere.
- **Defrost air switch.** Located in the condenser section where it can be easily serviced from outside the trailer.
- **Stainless steel evaporator hardware** prevents corrosion.
- **Addressed wire coding** makes point-to-point wire tracing easier.
- **Service and maintenance.** All serviceable components are easily accessible.

- **Warehouse systems** are available with evaporator extensions for 8", 12", or 16" thick walls.
- **Low voltage.** The 12-volt DC control circuit means safety in servicing.
- **Optional plug-in test modules.** Save time and money on troubleshooting and service. One module tells your mechanic whether or not the system's electrical circuits are O.K. The other checks the solid-state temperature control board.
- **Standard VariPowr™ capacity control system** can cut your power consumption—and cost—up to 40%. Runs the six-cylinder compressor on two cylinders for perishable loads and four cylinders for frozen loads. Helps prevent top-freezing on perishable loads, while reducing product dehydration and trailer breathing.



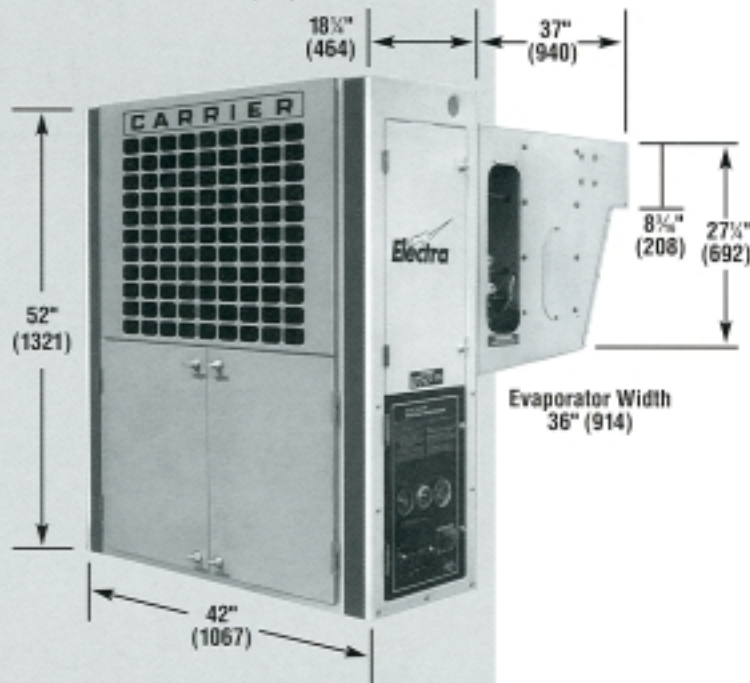
# PERFORMANCE Specifications

# ELECTRA

Specifications are subject to change without notice.

Dimensions:

Parenthetical dimensions are metric (mm).



## Cooling Temperature/Capacity

Ambient at 100°F (38°C), Speed: 1,725 rpm @ 60 hertz.

Evaporator Return Air Temp	Btuh	Kcal/hr	Watts
-20°F (-29°C) <sup>(1)</sup>	18,000	4,536	5,275
0°F (-18°C)	29,000	7,308	8,499
35°F ( 2°C)	48,000	12,096	14,067

(1) This rating point is outside the scope of the ARI certification program.



Carrier Transicold participates in the ARI rating certification program.

Model	NEE430N4-SC	NEE430N4-SC-W
Refrigerant	R-404A	R-404A
Application	Standard	Warehouse <sup>(2,3)</sup>
Electrical Service <sup>(1)</sup> Volts/Phase/Hertz	208-230/3/60 or 190/3/50	208-230/3/60 or 190/3/50

(1) Optional 460/3/60 or 380/3/50 service is available.

(2) Specify if warehouse wall thickness is other than 4". Available for 8", 12" or 16" thick walls.

(3) Electra systems are not Underwriters' Laboratories (UL) approved.

## Standard Features Include:

- HFC Refrigerant-404A
- Solid-state control system
- 208/230-volt/3-phase/60-hertz or 190-volt/3-phase/50-hertz power circuit
- 12-volt DC control circuit
- Standby electrical plug
- Hourmeter
- Manual defrost switch
- High pressure protection
- Run-Stop switch
- Automatic thermostat
- Compound suction pressure gauge
- Trailer temperature thermometer
- Cool/Heat/Defrost/Power lights
- Automatic reset circuit breakers
- Internal thermal overload protection on all motors
- VariPower power-saving capacity-control system
- Installation package

## Accessories and Options:

- Extended evaporator (for warehouse applications):
  - 8"  12"  16" thick walls
- 460-volt/3-phase/60-hertz
- 380-volt/3-phase/50-hertz power circuit

## Approximate Weight:

800 lb (363 kg)

## Operation:

Three-step operation includes Cool, Compressor Off, and Heat. The required mode is automatically selected by the thermostat in response to return air temperature. When the thermostat is satisfied, the compressor stops. Continuous airflow is provided by the evaporator fan except during defrosting. The system heats by circulating hot gas directly from the compressor to the evaporator coil. Automatic evaporator coil defrosting is started by sensing the air pressure drop across the coil. Defrosting can also be started manually. Termination is automatic.

## Warranty:

Carrier Transicold's warranty provides the following coverage: compressor, condenser and evaporator coils, and solenoid valves (less coils) carry a two-year parts and labor warranty. Solid-state controls are covered for one year, parts and labor. The balance of the system is covered for three months, parts and labor, and nine additional months, parts only. This warranty applicable only in the Americas. Consult your Carrier Transicold representative for warranty coverage elsewhere.

See your Carrier Transicold dealer or representative.



**Carrier**

A United Technologies Company

Carrier Refrigeration Operations

Carrier Transicold

P.O. Box 4805

Syracuse, NY 13221 USA

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