



NEOS™ 100S

United Technologies

Superior reliability and temperature control for small delivery vehicles.



PERFORMANCE SPECIFICATIONS

NEOS™ 100S



Condenser

Dimensions:
34" x 18.9" x 8.4"
(864 x 480 x 232 mm)



Evaporator

Dimensions:
23.9" x 21.6" x 6.5"
(608 x 548 x 165 mm)

Cab Command™

Dimensions:
3.4" x 2.4" x 1.1"
(85 x 60 x 28 mm)



Cooling/Temperature Capacity:
Ambient at 100°F (38°C)
Compressor Speed: 1,000 rpm @ 60 Hertz

Evaporator Return Air Temp.	Diesel Operation		Standby Operation	
	BTU/hr	Watts	BTU/hr	Watts
35°F (2°C)	3,600	1,055	3,600	1,055
0°F (-18°C)	1,300	381	1,300	381

Neos 100S was created to maintain optimal temperature control of perishable products in small cargo areas. Employing alternator driven technology, Neos 100S delivers constant cooling capacity regardless of vehicle engine speed. Utilizing the alternator also eliminates the road compressor, hoses and fittings used in traditional direct drive systems, reducing the risk of leaks and maximizing uptime.

- **Maximum reliability** due to elimination of the road compressor and other components.
- **Consistent performance** at variable engine speeds due to all-electric technology.
- **Cargo space maximized** using Carrier's space-saving SlimLine™ evaporator.
- **Sustainability** of zero ODP R-134a refrigerant in a system with reduced risk of leaks.

Standard Features Include:

12VDC road operation
Condenser roof mount kit
Durable DuraShell™ composite skin
Extra-flat SlimLine™ evaporator
5.3 CID (87 cc) compressor
Poly-V 6 groove clutch
Refrigerant R-134a
Brushless evaporator fan motor
Hot gas defrost
Hot gas heating
Condenser valve enhanced heating circuit
Low refrigerant pressure protection
High refrigerant pressure protection
Microprocessor control system
Cab Command™
Red light visual warning (in cab)
Main On/Off system power keys
Timed defrost interval
Manual defrost key
Diagnostic safety indicators
Frozen range lockout
Digital readout
Cab Command™ (in cab)
Adjustable display brightness
Current and stored alarms
Automatic defrost control
Programmable defrost timer
Automatic defrost termination
Manual defrost override

Accessories and Options:

208/230 50Hz-60Hz electric standby

Approximate Weights:

Condenser Weights:
106 lb (48 kg) road only operation
117 lb (53 kg) with electric standby
Evaporator Weight:
33 lbs (15 kg)

In order to ensure proper unit and vehicle operation, the vehicle should have an electrical system capable of producing an additional 90 amps of current above the full load current required for the rest of the vehicle (including all accessories).

Specifications are subject to change without notice.

Warranty: Product warranty and limitations are outlined in Form 62-11857.

This warranty applicable only in North America. Consult your Carrier Transcold representative for warranty coverage elsewhere. Form 62-11856.

North America
Carrier Transcold
700 Olympic Drive
Athens, GA 30601 USA

Central America and Mexico
Carrier Transcold
Ejercito Nacional 253-A Piso 5
Colonia Anahuac
11320 Mexico D.F.

