

# Carrier Transicold

*Supra*

# GENESIS



MAXIMUM  
*performance*  
and  
*protection in*  
multitemp  
TRUCKS.

# Industry-high capacity and airflow are huge ADVANTAGES for you.

The Genesis R90 remote evaporator ensures maximum product quality. It's no secret how. The fan and coil are considerably larger, producing the highest capacity and airflow available. With Genesis, products stay at the proper temperature in each compartment, even under the most demanding conditions. Which means fresher, better-looking products on delivery, improved shelf life, and ultimately, more profit for you.



**40%**  
*more* CAPACITY.

**20%** *more* Airflow.

High cooling capacity and airflow in all compartments are the keys to product quality for multiproduct shippers. Genesis remote evaporators deliver up to 40% more capacity than competitive units at 35°F (2°C). So you get all the capacity you need, everywhere you need it.

With the industry's highest cooling capacity and airflow rating, Genesis is the most powerful multitemp reefer you can get. That power gives you everything you need to ensure consistent quality in every compartment: faster temperature recovery, precise temperature control, and even temperature distribution. Which gives you total confidence, from your first stop to your last.

MULTIPLE cargoes,  
*multiple* temperatures, *multiple* stops.  
SUPRA GENESIS *alone* can deliver.



You have a truck full of sensitive cargoes requiring different carrying temperatures. You have a delivery schedule that will last all day. You need a fully versatile refrigeration system that delivers optimum quality and freshness – front to back, side to side, first stop to last. Insist on Supra™ Genesis™, the truck refrigeration system specially designed for multitemperature applications. No other unit on the market today can compete with the powerful Genesis SlimLINE™ remote evaporator. Our single- or exclusive dual-discharge evaporators more than compensate for ambient temperature variations, multiple door openings, and leaky bulkheads.

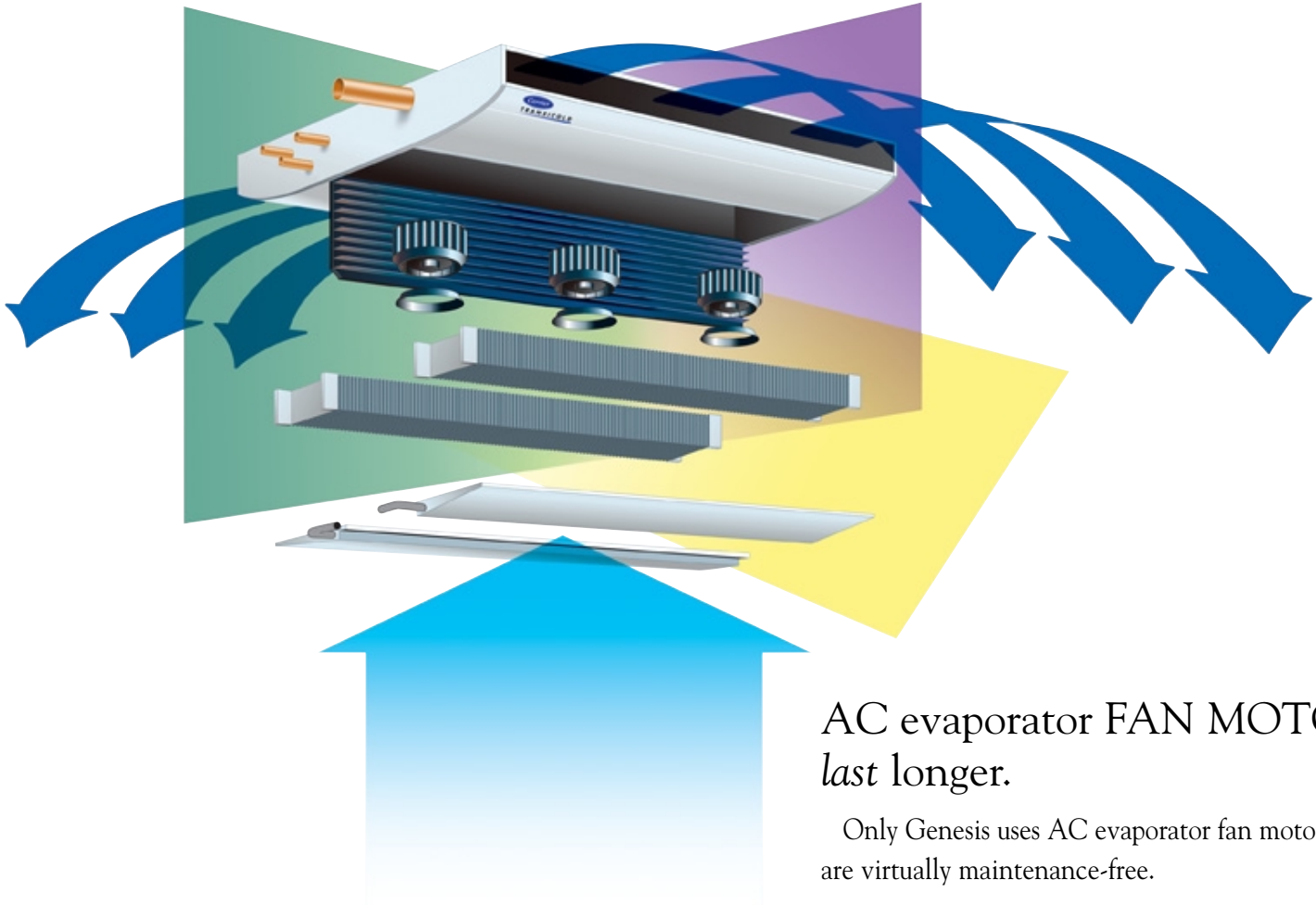
The Supra Genesis multicompartiment refrigeration system is available in the R90 model to suit trucks up to 28 feet. Genesis systems consist of a host reefer and your choice of individually controlled remote evaporators. Each gives you maximum heating capacity, cooling capacity, and airflow in every compartment. So no matter how you set up your trucks or how often you change setups, you can be confident you're getting maximum protection.



Overall, the proven Genesis system combines exceptional quality with unmatched operating efficiency and superior reliability. To maximize profitability throughout your multitemp operation. In today's competitive food distribution business, Genesis keeps you on schedule. And ahead of your competition.

# SlimLINE evaporators ENSURE the highest level of *quality*.

Multitemp delivery means carrying fresh and frozen products at the same time. You need the tried-and-true system that keeps your load at optimum temperature from the first stop to the last. That system is Genesis. Its space-saving, low-profile SlimLINE remote evaporators maintain consistent temperature and product quality in each compartment. With Genesis you can load compartments to the highest level. And deliver the highest level of quality.



## AC evaporator FAN MOTORS *last longer.*

Only Genesis uses AC evaporator fan motors, which are virtually maintenance-free.

## ELECTRIC heat *produces INSTANT* heat.

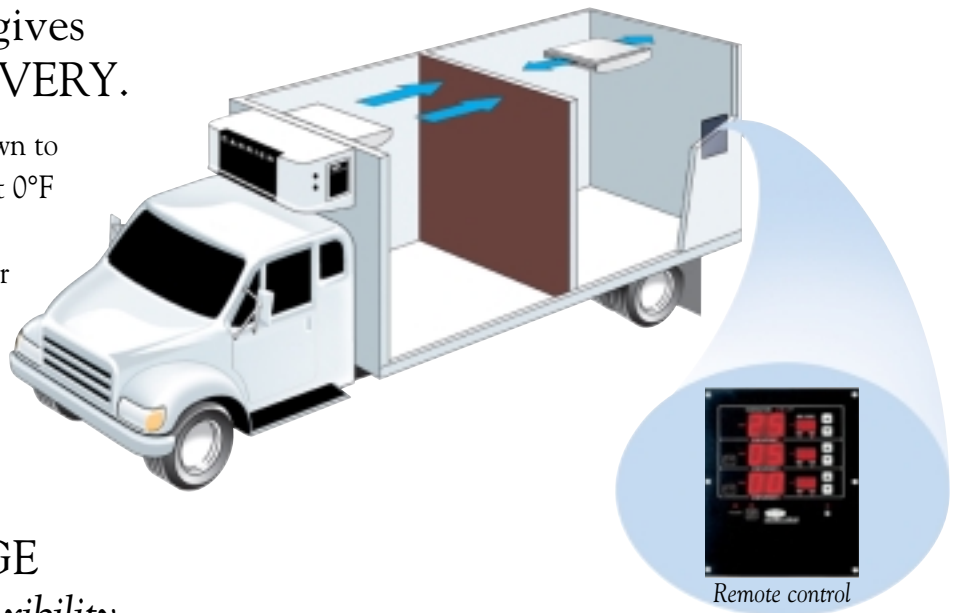
The Genesis system has built-in electric heating strips to provide heat to the remote evaporators. So you can switch heat on as needed in any compartment, regardless of the operating mode of other compartments. Heating response is, literally, instant. Compared to conventional hot-gas-only systems, Supra combines hot gas and electric heat to provide faster defrost and constant heating capacity, even in low ambient temperatures. This eliminates the need for supplemental heating systems in colder climates. It also allows the system to cycle between defrost and the control mode quickly, keeping the load on setpoint.



*AC fan motors last two to three times longer.  
Which stretches your maintenance budget.*

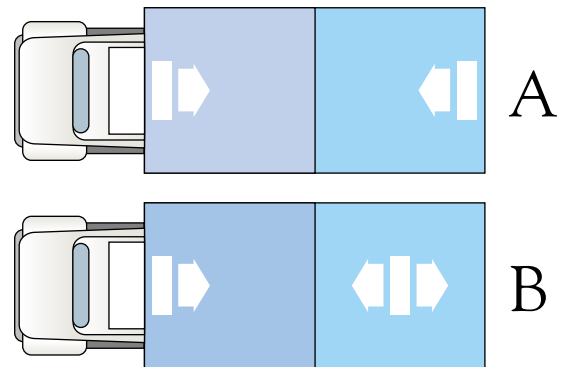
## Higher cooling CAPACITY gives you *faster* temperature RECOVERY.

The key to box temperature recovery is pulldown to setpoint. And the key to pulldown is capacity. At 0°F (-18°C), Genesis R90 delivers up to 20,500 Btuh capacity in the remote compartments. That's over 4,000 Btuh more capacity than the competitive unit. That means faster temperature recovery and better product quality on delivery.



## Exclusive DUAL-DISCHARGE design gives you full loading *flexibility*.

Only Carrier brings you uncompromising performance in a multitemp system. Only Carrier offers industry-high cooling capacity and airflow in a low-profile evaporator. And only Carrier offers you a choice of single- and dual-discharge. As a result, Supra Genesis gives you unmatched flexibility to move bulkheads to meet your loading needs. Exclusive dual-discharge evaporators provide unmatched temperature distribution, better temperature balance, and the best product protection.



## *In-cab control* is standard.

### Remote control adds CONVENIENCE.

CAB COMMAND™ is a Carrier exclusive that gives you total in-cab control of the system. With CAB COMMAND, the driver can start the system, set and adjust compartment setpoints, check system operation, and more. Genesis also offers optional remote panels that provide individual control for up to three compartments. Panels can be mounted inside the rear of the truck, so you can adjust and monitor setpoint without walking to the front of the truck.

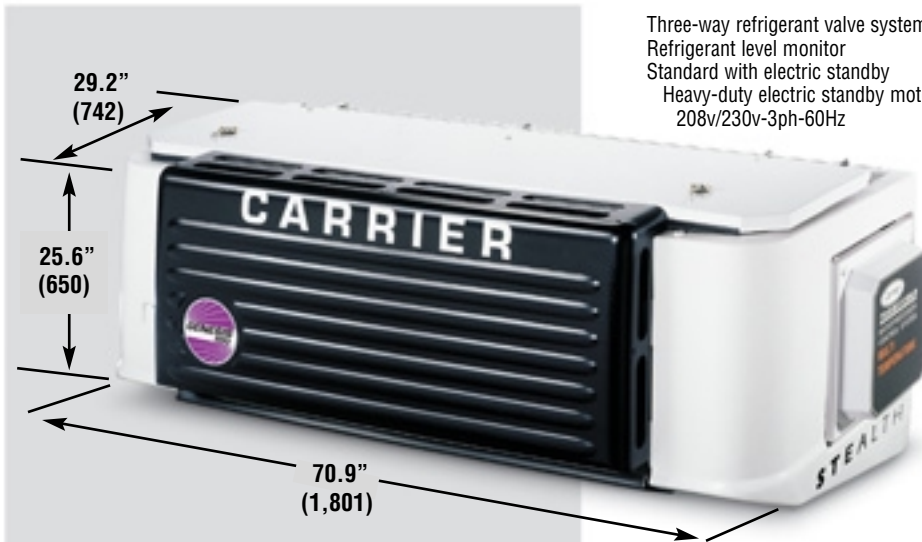


## The GENESIS concept is *proven* in trailers. So *why* change parts for trucks?

Originally developed for multitemp trailer refrigeration, Genesis has fast become the system of choice for truck applications. The Genesis system is proven in thousands of hours of demanding multitemp operation worldwide. The Genesis R90 features built-in efficiencies to simplify maintenance and minimize operating costs. Superior fuel efficiency and significantly less run time increase fuel savings, reduce maintenance, and extend service life. What's more, Supra Genesis truck systems share many common parts with Genesis trailer systems, which can lead to significant savings if you operate multitemp trailers and trucks. Having common parts reduces your parts inventory requirements, as well as overhead and labor costs. It also reduces the time and cost for training your mechanics. So Genesis isn't just proven, it's a proven cost-saver.

# PERFORMANCE Specifications

## GENESIS R90



Genesis R90 shown with optional Stealth Noise Reduction™ Package.  
Dimensions are without Stealth Noise Reduction Package.

**Standard Features Include (Host System):**  
CT3-69 TriVortex diesel engine  
05G 37CID, 6-cylinder compressor  
Spacesaver evaporator  
DuraShell™ damage-resistant composite skins  
Non-ozone-depleting R-404A

Three-way refrigerant valve system  
Refrigerant level monitor  
Standard with electric standby  
Heavy-duty electric standby motor:  
208v/230v-3ph-60Hz

Remote mount power receptacle  
Electric motor overload protection  
Electric motor short cycle protection  
Automatic electric motor reset switch  
Microprocessor control system  
CAB COMMAND™ remote control center  
Critical Cargo Monitor – in cab  
Audible temperature alarm – in cab  
Red light visual warning alarm – in cab  
Automatic pretrip – system check function  
Lighted CAB COMMAND keys  
Main on/off system power switch  
Diagnostic safety indicators  
Timed defrost interval  
Display indicators (CAB COMMAND – in cab):  
International symbols  
Cool - Heat - Defrost  
Start/Stop - Out of Range - City Speed  
Engine Operation - Electric Standby  
Digital readout (CAB COMMAND – in cab):  
Engine coolant temperature  
Unit suction pressure  
Battery voltage  
Engine run hours  
Electric standby hours  
Maintenance interval hours  
Total on-time hours  
Setpoint temperature  
Box return-air temperature  
Control Panel:  
Run/Stop service switch  
Emergency glow switch

Automatic Start/Stop fuel saver  
Programmable on- and off-time selection  
Programmable out-of-range protection  
Battery voltage monitor  
City Speed control  
Drain pan heater  
Automatic defrost  
Defrost timer  
Defrost air switch  
Automatic defrost termination  
Manual defrost override  
Extended-life antifreeze  
EPDM coolant hoses  
High coolant temperature protection  
Low coolant level indicator  
High-power 70-amp alternator  
Heavy-duty dry air cleaner  
Spin-on fuel and lube-oil filters  
Bypass oil filter  
Low engine oil protection  
High refrigerant pressure protection  
Receiver tank pressure relief  
Installation package  
Electric fuel pump  
Fuel lines  
Battery cables  
Installation hardware  
Fuel tank pick-up tubes

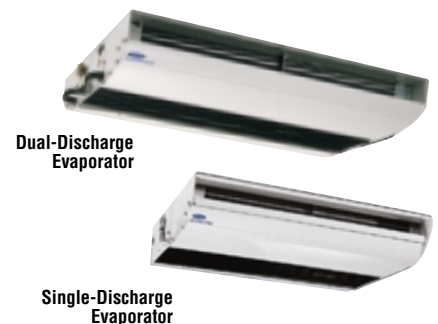
### Accessories and Options (Host System):

Top protection grille  
Battery box  
Battery (dealer-supplied)  
Door open shut-off switch  
Fuel tanks (remote aluminum):  
30 gal.  
50 gal.  
Fuel heater  
RoadCare™ extended warranty coverage  
Two-compartment remote indicator panels  
Stealth Noise Reduction™  
Driver noise reduction kit (bottom panel)

### Remote Evaporators:

Standard features include:  
Low-profile aluminum skins  
A/C fan motors  
Dripless defrost pan  
Heating strips  
Options include:  
Single & dual discharge

**Weight:**  
1,224 lb. (555kg)



Supra Genesis Remote Evaporators					
Evaporator Model**	Dimensions (mm)			Weight lbs (kg)	Airflow cfm (m³/h)
	H	W	D		
MTS-1100-2	7.9" (200)	41.1" (1,045)	27.6" (700)	106 (48)	1,200 (2,050)
MTD-1100-2	7.0" (179)	41.1" (1,045)	34.7" (880)	117 (53)	1,350 (2,300)

\*\*Models MTS: S=Single Discharge  
Models MTD: D=Dual Discharge

Genesis Capacities (Ambient at 100°F/38°C)	
Cooling Capacity:	0° F (-18° C) Return Air Temp / Up to 20,500 Btuh (6,000 Watts)
Heating	Up to 16,000 Btuh (4,700 Watts)

### Warranty:

Carrier Transicold's industry-leading warranty provides the following coverage: Three-way valve, engine radiator, condenser and evaporator coils, and engine-emission control system carry a two-year parts and labor warranty. The balance of the unit is covered for one year, parts and labor.

This warranty applicable only in the United States and Canada. Consult your Carrier Transicold representative for warranty coverage elsewhere.

Specifications are subject to change without notice.



**Carrier**

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