



[www.trentonrefrigeration.com](http://www.trentonrefrigeration.com)

# COMMERCIAL REFRIGERATION PRODUCTS

## PRODUCT OVERVIEW



**Leading the way.**



# EVAPORATORS



## TMK/TLK-LINE

### TUCK-AWAY EVAPORATORS

Designed for small reach-in coolers, back bars, and beverage coolers.

- Air and electric defrost models for -10°F and above space temperatures
- Air defrost models available from 1,000 to 5,100 BTUH at 10°F TD
- Electric defrost models available from 900 to 1,600 BTUH at 10°F TD



EC MOTORS  
AVAILABLE

## TTL-LINE

### TWO-WAY LOW PROFILE EVAPORATORS

Ideal for reach-in and walk-in coolers.

- High, medium & low temperature applications
- Available from 950 to 11,500 BTUH at 10°F TD



EC MOTORS  
AVAILABLE + SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TTM-LINE

### TWO-WAY MEDIUM PROFILE EVAPORATORS

Ideal for reach-in and walk-in coolers.

- Air, electric or hot gas defrost models for -10°F and above box temperature
- Available in ten sizes from 11,500 to 29,500 BTUH at 10°F TD



EC MOTORS  
AVAILABLE

## T-LINE

### ROUNDELL EVAPORATORS

Designed for walk-in coolers requiring positive, low air movement discharged radially in an 180 degree arc.

- Air defrost models for 35°F and above room temperatures
- Available in eight sizes from 3,730 to 20,400 BTUH at 10°F TD



EC MOTORS  
AVAILABLE + SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TLV-LINE

### LOW VELOCITY EVAPORATORS

Ideally suited where low air movement and even temperatures throughout the refrigerated space are required, while maintaining desired humidity conditions.

- Air, electric and hot gas defrost models for 28°F and above room temperatures
- Available in 10 sizes from 6,000 BTUH to 37,000 BTUH at 10°F TD

**A LONG LIST OF OPTIONS LETS YOU SELECT EQUIPMENT TO MEET SPECIALIZED REQUIREMENTS**

## TPLP-LINE

### PRE ASSEMBLED LOW PROFILE EVAPORATORS

Air and Electric Defrost models from our popular TLP-Line now available as Value-Priced Pre-assembled Units.

- TX Valve and Solenoid Valve/Coil mounted
- Thermostat mounted on front of unit
- Schrader Valve conveniently located
- 15-7/8" approx. height



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TLP-LINE

### LOW PROFILE EVAPORATORS

Storage space is optimized by the compact, slim profile.

- Air, electric and hot gas defrost models for -40°F and above room temperatures
- Available in 12 sizes ranging in capacity from 4,300 to 39,000 BTUH at 10°F TD
- PSC motor is standard
- Value-priced pre assembled units available!



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TMP-LINE

### MEDIUM PROFILE EVAPORATORS

Designed for large walk in coolers and freezers.

- Air, electric and hot gas defrost models for -40°F and above room temperatures
- Available in 12 sizes ranging from 18,000 to 88,000 BTUH at 10°F TD



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## THP-LINE

### HIGH PROFILE EVAPORATORS

Ideally suited for warehouse/industrial cooler and freezer applications.

- Optional blast cooler and freezers applications available.
- Air, electric and hot gas defrost models.
- Available in multiple sizes from 73,000 to 278,000 BTUH at 10°F TD
- Customizations are available



EC MOTORS  
AVAILABLE

## TAP-LINE

### HORIZONTAL PRODUCT COOLERS

This flexible unit can be used in any number of applications ranging from low temperature freezers to ripening rooms.

Indoor Applications Only

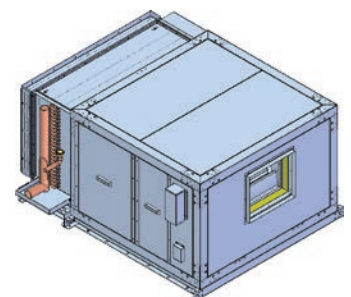
Large Face Area Centrifugal Fan

"Bolt-On" Coil for Maximum Capacity in Minimum Space

10 Models

Up to 44,000 CFM

Up to 30 HP



# SMARTSPEED™

FAN MOTOR TECHNOLOGY

**INNOVATIVE  
COST EFFECTIVE  
ENERGY EFFICIENT**

**SMARTSPEED™**  
FAN MOTOR TECHNOLOGY







**NOW AVAILABLE FOR  
CONDENSING UNITS!**



**= BIG  
SAVINGS**

## ENERGY SAVINGS

Adding SmartSpeed can offer system-wide savings.

		
PSC MOTOR	PSC MOTOR	SMARTSPEED™ FAN MOTOR TECHNOLOGY
+	+	+
		
PSC MOTOR	SMARTSPEED™ FAN MOTOR TECHNOLOGY	PSC MOTOR
=	=	=
INDUSTRY STANDARD	<b>10%</b> ENERGY SAVINGS*	<b>15%</b> ENERGY SAVINGS*



## SIMPLE

SmartSpeed units feature simplified wiring which does not require any additional complex controls, and is easy to operate.

## INNOVATIVE

The innovative feature behind the SmartSpeed technology is a two speed EC fan motor that changes speed according to system operation and ambient conditions.

**Available on low velocity and low/  
medium profile evaporators.  
Also available on 1/2 - 5 HP Hermetic,  
Scroll or Semi-Hermetic condensing units.**

 +  = **20%-25%  
ENERGY SAVINGS!\***

SMARTSPEED™  
FAN MOTOR TECHNOLOGY

\* Actual energy savings will vary due to application, load calculation assumptions, equipment sizing and other operational variables. Contact your local rep or visit [www.t-rp.com/smartspeed](http://www.t-rp.com/smartspeed) for further details

## CHECK OUT OUR VIDEOS

Watch our video to learn more about the versatility and convenience of Trenton's SmartSpeed.

[www.t-rp.com/smartspeed](http://www.t-rp.com/smartspeed)





# LIMITROL+

FLOATING HEAD PRESSURE CONTROL SYSTEM

## THE NEXT GENERATION OF RESPONSIVE TECHNOLOGY

- Reduced compressor energy consumption and run time
- EC motor technology further saves energy and reduces electrical requirements
- Lowered environmental impact through reduced refrigerant use
- Stable system performance in lower ambients

### CHECK OUT OUR VIDEOS

Watch our video to learn more about the versatility and convenience of Trenton's Limitrol+.

[www.t-rp.com/limitrol](http://www.t-rp.com/limitrol)



**LINK**



**LINK+**

# LINK/LINK+

MULTI-COMPRESSOR REFRIGERATION SYSTEM

## PEAK PERFORMANCE AND ENERGY EFFICIENCY THROUGH UNPRECEDENTED CUSTOMIZATION

Link and Link+ systems redefine flexibility in commercial refrigeration solutions.

Each system is custom designed from the ground up to meet your specific application need. This allows for the delivery of a ruggedly constructed design that maximizes system performance, energy savings and serviceability.

### CHECK OUT OUR VIDEOS

Watch our video to learn more about the versatility and convenience of Trenton's Link/Link+.

[www.t-rp.com/link](http://www.t-rp.com/link)



**A FREE SUITE OF SOFTWARE TOOLS FOR REFRIGERATION PROFESSIONALS.**

Learn more at: [www.t-rp.com/dt](http://www.t-rp.com/dt)

# CONDENSING UNITS



EXPANDED  
CAPACITIES

EC MOTORS  
STANDARD

## TQ-LINE QUIET CONDENSING UNITS

### OUTDOOR AIR COOLED HERMETIC & SCROLL MODELS

- Medium and low temperature applications
- Sizes range from 1/2 to 6 HP
- Innovative design ensures quiet, energy efficient operation
- Compact size provides greater installation flexibility
- Available with Copeland or Tecumseh compressors
- Optional wall mounting kit available
- Includes QuickVac evacuation & refrigerant recovery valves (see back page)



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TEH-LINE

### INDOOR/OUTDOOR AIR COOLED HERMETIC CONDENSING UNITS

- High, medium and low temperature applications
- Sizes range from 1/2 HP to 7.5 HP
- Models are available with Copeland, Maneurop or Tecumseh compressors
- Includes QuickVac evacuation & refrigerant recovery valves (see back page)
- Wire Grille on 1/2 to 5HP

For SmartSpeed see page 4 for details.



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TEZ-LINE

### INDOOR/OUTDOOR AIR COOLED SCROLL CONDENSING UNITS

- High, medium and low temperature applications
- Sizes range from 1 HP to 15 HP
- Available with Copeland or Tecumseh scroll compressors
- Includes QuickVac evacuation & refrigerant recovery valves (see back page)
- Wire Grille on 1/2 to 5HP

For SmartSpeed see page 4 for details.



EC MOTORS  
AVAILABLE

+ SMARTSPEED™  
FAN MOTOR TECHNOLOGY

## TES-LINE

### INDOOR/OUTDOOR AIR COOLED SEMI-HERMETIC CONDENSING UNITS

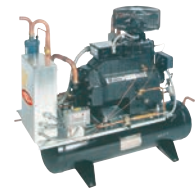
- High, medium and low temperature applications
- Sizes range from 1/2 HP to 22 HP
- Available with Copeland or Bitzer compressors
- Includes QuickVac evacuation & refrigerant recovery valves (see back page)
- Wire Grille on 1/2 to 5HP

For SmartSpeed see page 4 for details.

## R-LINE

### INDOOR REMOTE CONDENSING UNITS

- High, medium and low temperature applications
- Sizes range from 1/2 HP to 40 HP



## TX-LINE

### INDOOR COAXIAL WATER COOLED CONDENSING UNITS

Designed for large walk in coolers and freezers.

- High, medium and low temperature applications
- Sizes range from 1/2 HP to 5 HP
- Available with Copeland Hermetic and Semi-Hermetic compressors



## W-LINE

### INDOOR WATER COOLED CONDENSING UNITS

Ideally suited for warehouse/industrial cooler and freezer applications.

- High, medium and low temperature applications
- Sizes range from 1/2 HP to 40 HP



## TF-LINE

### OUTDOOR AIR COOLED MULTI-COMPRESSOR CONDENSING UNITS

- Total system flexibility using multiple compressor models and applications on a common chassis
- Up to four section cabinet choices of either Hermetic, Scroll or Semi-Hermetic multiple compressors with maximum three compressors per fan section
- Compressor sizes available ranging from 1/2 through 10 HP, to a maximum total of 10 HP per fan section and 40 HP per unit. (Based on compressor type and application, 95°F design Ambient)



EXPANDED CAPACITIES

## TVS/TVD-LINE

### OUTDOOR AIR COOLED CONDENSING UNITS

- High, medium and low temperature applications
- Sizes from 15 HP to 100 HP (high/medium temperature) and 10 to 80 HP (low temperature)
- The TVS/TVD features single or dual compressor(s) and a vertical discharge air-cooled condenser



## TMS/TMD-LINE

### OUTDOOR AIR COOLED CONDENSING UNITS

- High, medium and low temperature applications
- Sizes from 6 HP to 40 HP (high/medium temperature) and 7.5 to 44 HP (low temperature)
- The TMS/TMD features single or dual compressor(s) and a vertical discharge air-cooled condenser.
- Available with Copeland Discus Semi-Hermetic or Bitzer Semi-Hermetic compressors



HIGH EFFICIENCY MODELS AVAILABLE

# MULTI-COMPRESSOR UNITS



## PARALLEL RACKS

---

- Parallel Piped Compressor Rack Systems provide Refrigeration Capacity Load Matching.
- Custom systems for demanding requirements wide range of horse power available
- Multiple Compressor Control / Temperature Monitoring using Micro-processors. Can accommodate various PLCs (CPC, Microthermo, Danfoss, Dixell, Johnson Controls, Paragon Multi-Timer)
- Active oil management systems ensure reliable compressor operation
- Custom electrical control panels engineered and built to match system needs
- Oversized Headers



## REMOTE HEADERS

---

- Remote Circuit Panel for Control of Defrost
- Mounted Vertical or Horizontal Receiver
- Filter/Drier/Sight Glass
- CPC, Microthermo, Danfoss, PLCs and other controllers supported
- Multiple Suction Groups for Dual Temp Applications
- Heat Exchanger for Vapour Injected Compressors
- Insulated Liquid Lines for Sub Cooling Applications
- Mounted Leak Detector
- Flexible Mounting for Space Limited Applications



## LINK/LINK+

MULTI-COMPRESSOR REFRIGERATION SYSTEM

---

**Link** indoor units provide a conveniently centralized package for compressors, electrical and controls, allowing for maximized merchandizing space. Pair it with selections from our complete line of companion products to create the ultimate system.

**Link+** outdoor units combine elements found in the indoor unit with condenser components together into a single package featuring our industry leading weather resistant housing.

**See page 5 for more details.**



# QUIETUNIT

REFRIGERATION DUTY CONDENSING UNITS

AVAILABLE WITH SCROLL  
OR HERMETIC COMPRESSORS



- 1/2 - 6 HP HIGH/MED. TEMP (0°F - +40°F SST) R404A/R407C
- 1 - 6 HP LOW TEMP (-40°F - 0°F) R404A
- LOW AMBIENT OPERATION (AS LOW AS -35°F)
- 208-230/1/60, 208-230/3/60, 460/3/60

## CHECK OUT OUR VIDEOS

Watch our video to learn more about the versatility and convenience of Trenton's Quiet Unit.

[www.t-rp.com/quietunit](http://www.t-rp.com/quietunit)



## How Quiet is the Trenton Quiet Unit?



Dog Barking

**75**  
decibels



2HP Scroll Conventional Unit\*

**71**  
decibels



Normal Conversation

**65**  
decibels



Electric Razor

**60**  
decibels



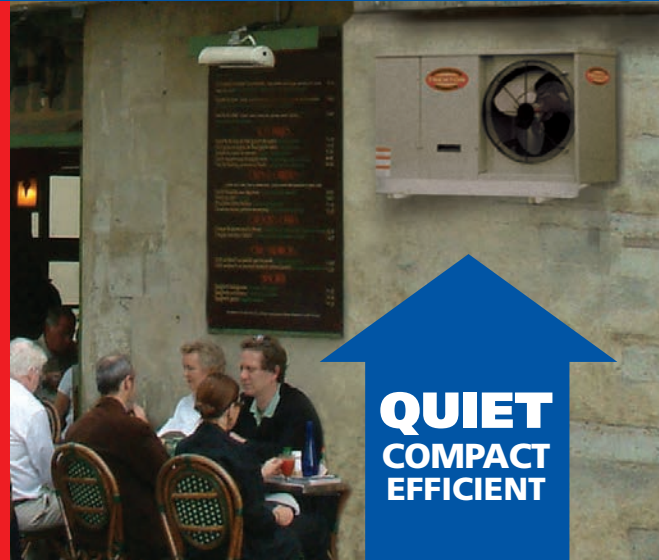
2HP Scroll Quiet Unit\*

**55**  
decibels



Whisper

**40**  
decibels



**QUIET**  
**COMPACT**  
**EFFICIENT**

## Design Highlights

- Quiet Operation
- High Efficiency
- Compact Design
- Minimal Product Footprint
- Optional Wall Mounting Kit
- Copeland or Tecumseh Compressors
- Scroll and Hermetic Compressor Models Available

## Variable Speed EC Motors (Standard) Provide...

- Energy Savings Through Speed Reduction
- Reduced Sound Levels
- Low Refrigerant Charge Due To No Flooding Valve

## Testing Results Show...

- Sound levels are approx 15 dBA lower than conventional style condensing units at 70°F (full speed)
- Sound levels are approx 20 dBA lower than conventional condensing units below 70°F (lower speed)
- Save up to 25% on energy costs\*
- Head pressure and stable liquid temperature to the TXV maintained to ensure optimal TXV performances

*Just above a whisper  
and well below a bark!*



For more information, scan this QR Code with your mobile device. Visit your device's app store to download a QR Code reader.

[www.t-rp.com/quietunit](http://www.t-rp.com/quietunit)

\* Dependent upon numerous factors, please refer to product documentation for complete details

# CONDENSERS



## TCS-LINE

### SMALL AIR COOLED CONDENSERS

- Refrigeration or Air Conditioning Duty
- 2 tons to 24 tons THR at 25 °F TD
- Compact size provides greater installation flexibility
- Horizontal or vertical air discharge



## TCM-LINE

### MEDIUM AIR COOLED CONDENSERS

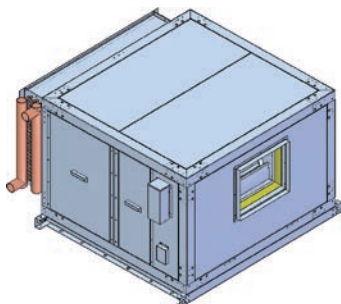
- Refrigeration or Air Conditioning Duty
- 9 tons to 49 tons THR at 25 °F TD
- 1 to 8 Fan Models
- Horizontal or vertical air discharge



## TCL-LINE

### LARGE AIR COOLED CONDENSERS

- Refrigeration or Air Conditioning Duty
- 7 to 270 nominal tons (R404A, 25°F TD, 60 Hz)
- 1 to 14 Fan Models
- Single width and double width models available
- 550, 850, or 1140 RPM or EC motors
- Horizontal or vertical air discharge



## TAB-LINE

### CENTRIFUGAL FAN AIR COOLED CONDENSERS

- An alternative to roof mounted propeller fan type units and an ideal choice for indoor mounted and ducted applications.
- Indoor Applications Only
- Large Face Area Centrifugal Fan
- “Bolt-On” Coil for Maximum Capacity in Minimum Space
- 14 Models
- Up to 55,000 CFM
- Up to 50 HP



## FLUID COOLERS - TFM/TFL-LINE

- Direct drive fluid coolers may use water or glycol as fluids for process fluid cooling, remote radiators, secondary heat exchangers, and industrial water coolers



## AIR HANDLERS - TAC/TAF/TAH-LINE

### CENTRAL STATION AIR HANDLERS

- Available in single zone, horizontal or vertical models from 700 to 64,000 CFM, the unit allows design flexibility and higher total static pressures.
- Indoor/Outdoor Applications
- 14 Models
- Up to 6" total static pressure
- Up to 64,000 CFM
- Up to 75 hp



## HEAT RECLAIM - TUH-LINE

### HEAT RECLAIM UNIT HEATERS

- Designed for supermarkets, convenience stores, restaurants and refrigerated warehouses
- Heat reclaim unit heaters enable you to convert heat from remote condensers and redirect it to usable areas effectively reducing energy costs



## FREE STANDING COILS

### TDX DIRECT EXPANSION

7, 8, 10 or 12 fins per inch spacing, from 2 through 10 rows deep

### TWS, TWH, TWD WATER COOLING

Water cooling coils can fill requirements for any design load, from 2 to 10 rows

### TWS, TWH, TWD & TYPE "B" WATER HEATING

Water heating coils can fill requirements for any design load, from 2 to 10 rows

### TSH STEAM

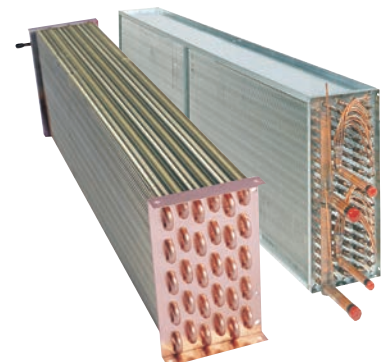
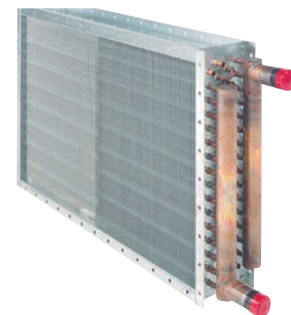
7, 8, 10 or 12 fins per inch spacing, from 2 through 10 rows deep

### THR HEAT RECLAIM

7, 8, 10 or 12 fins per inch spacing, from 2 through 10 rows deep

### RUN AROUND HEAT RECOVERY

Run around cycle of heat recovery can be used on systems where exhaust air temperatures do not exceed 300°F



# CONTACT US FOR MORE INFORMATION



## QUICKVAC EVACUATION & REFRIGERANT RECOVERY VALVES

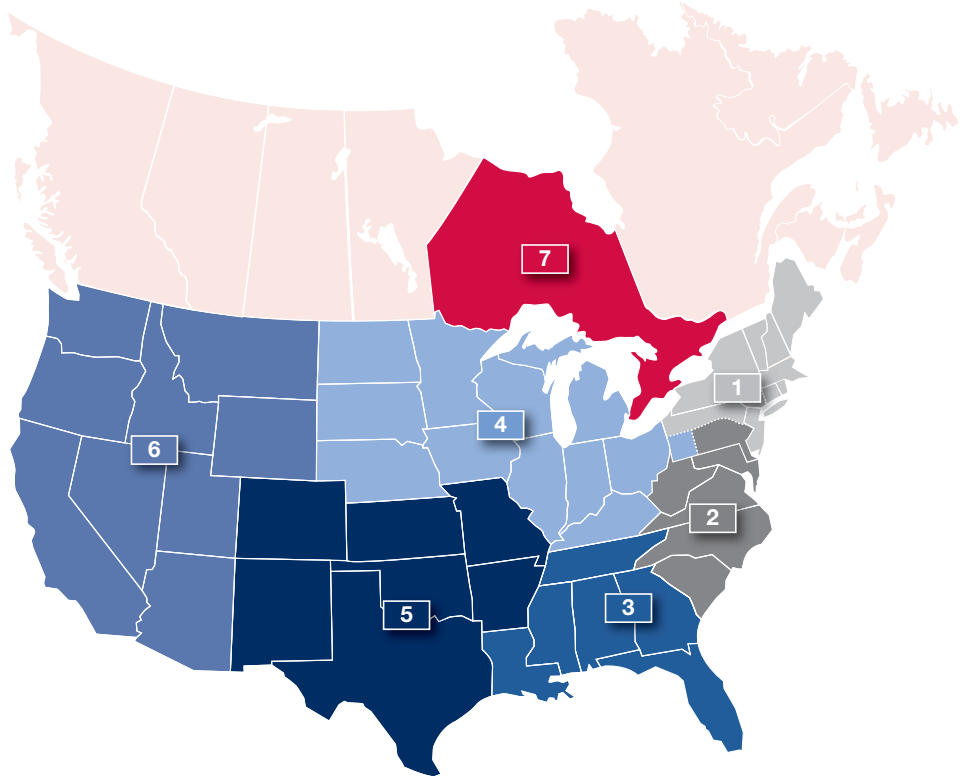
Standard Feature on ALL  
Trenton TQH, TQZ, TEH, TEZ  
& TES Lines of Air Cooled  
Condensing Units.

Significantly Reduced  
Evacuation Times  
by up to 80%\*.

Facilitates Deeper More  
Effective Vacuum Levels.

Conveniently Located for  
Rapid Refrigerant Recovery  
and Service.

\*See product documentation for details



### 1 NORTH EAST REGION, TAUNTON MA

**Joe Gallego**  
t: (314) 326-0721  
e: ne.sales@t-rp.com

### 2 EAST CENTRAL REGION, RALEIGH NC

**Brett Godin**  
t: (704) 249-0309

#### ROCKHILL SC

**David Dorn**  
t: (704) 771-0777  
e: ec.sales@t-rp.com

### 3 SOUTH EAST REGION, ROSWELL GA

**William Allen**  
t: (770) 570-0729

**Ross Shafer**  
t: (636) 290-4577  
e: se.sales@t-rp.com

### 4 NORTH CENTRAL REGION, CHICAGO IL

**Mike Schriener**  
t: (773) 844-1619  
e: nc.sales@t-rp.com

### 5 SOUTH CENTRAL REGION, LAKE ST. LOUIS MO

**Bob Schindler**  
t: (636) 699-6766  
e: sc.sales@t-rp.com

### 6 WEST REGION, FULLERTON CA

**Johnny Smith**  
t: (562) 631-6814

#### SACRAMENTO CA

**Bradley Grove**  
t: (480) 544-4039  
e: w.sales@t-rp.com

### 7 ONTARIO, MISSISSAUGA ON

**George Tusiuk,  
Michael Nolan,  
Walter Langille**  
t: (226) 381-0520  
e: cc.sales@t-rp.com

#### HEADQUARTERS

159 Roy Blvd.,  
Brantford Ontario,  
Canada N3R 7K1  
t: (519) 751-0444 or  
1-800-463-9517  
f: (519) 753-1140  
e: info@t-rp.com



## Leading The Way in Quality and Value

NATIONAL REFRIGERATION & AIR CONDITIONING CANADA CORP.

159 Roy Blvd. • Brantford • Ontario • Canada • N3R 7K1  
Phone: (519) 751-0444 or 1-800-463-9517 Fax: (519) 753-1140

Available Exclusively from



1-888-578-9100

For more information about product lines go to: [www.t-rp.com](http://www.t-rp.com)

Due to National Refrigeration's policy of continuous product improvement, we reserve the right to make changes without notice.