



LEADING THE WAY



COMMERCIAL REFRIGERATION

PRODUCT GUIDE 2024

Visit t-rp.com or call 1-800-463-9517 for more information.

WE ARE ON SOCIAL:



EVAPORATORS

EVAPORATORS

It's simple: Trenton Refrigeration evaporators are engineered to be the best. Over 75 years of product design and manufacturing experience are built into every evaporator we put our name on.

Designed and built with efficiency, reliability, and durability in mind our evaporators feature internally enhanced copper tubes mechanically bonded to aluminum fins providing excellent

heat transfer properties. Coils are tested to 300 PSI to ensure no leaks.

A wide range of styles and capacities allow you to tailor the correct selection for both application as well as voltage supply.



MODELS FOR
CO₂ SYSTEMS



MODELS AVAILABLE FOR DOE & NRCAN
AWEF-COMPLIANT APPLICATIONS



MODELS AVAILABLE FOR DOE & NRCAN
AWEF-EXEMPT APPLICATIONS



HALF ROUND | T

For walk-in cooler applications that require low velocity air evenly distributed in high humidity environments. Ideally suited for maximizing cooler space.

t-rp.com/roundel

- High temperature
- 35°F and above
- Air defrost
- 3690 to 21500 BTUH



LOW VELOCITY | TLV

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

t-rp.com/tlv

- Medium temperature
- 28°F and above
- Air, electric and hot gas defrost
- 5870 to 44000 BTUH



TWO WAY | TTL / TTM

Ideal for reach-in and walk-in coolers. Features dual refrigeration coils and two-way air distribution, effectively reducing air velocities and minimizing product dehydration.

t-rp.com/ttm

- Medium and low temperature
- -10°F and above
- Air, electric or hot gas reverse-cycle
- 850 to 29500 BTUH



SMARTSPEED™

FAN MOTOR TECHNOLOGY



Standard on most AWEF-Compliant models, and as an option on most other models

- Motor speed changes according to system operation and ambient conditions
- Reduced energy consumption and system refrigerant charges
- No complex controls required, easy to operate

Patented, award-winning fan control technology for Evaporators and Condensing Units

t-rp.com/smartspeed



EVAPORATORS

ESP+ INTUITIVE EVAPORATOR CONTROL TECHNOLOGY

- Precise temperature control for improved product integrity
- Adapts to changing system or ambient conditions
- Energy efficient operation
- Remote monitoring + control
- Easy to install and operate



AVAILABLE ON MOST EVAPORATORS

t-rp.com/esp



LOW PROFILE | TLP

Walk-in storage space is optimized by the compact, slim profile. Provides uniform air distribution through the coil for maximum heat transfer performance. Our most popular evaporator!

t-rp.com/tlp

- Medium and low temperature
- -30°F and above
- Air, electric and hot gas defrost
- 3410 to 39200 BTUH



PRE-ASSEMBLED LOW PROFILE | TPLP

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

t-rp.com/tplp

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



MEDIUM PROFILE | TMP

Designed for large walk-in coolers and freezers, and engineered to provide superior performance and quality in applications that demand efficiency and reliability. Customizable for specialty ultra-low temperature applications.

t-rp.com/tmp

- Medium and low temperature
- -30°F and above
- Air, electric and hot gas defrost
- 10900 to 94800 BTUH



EXTENDED PROFILE | TEP

A smaller footprint than high profile evaporators - yet delivering similar amounts of air throw. Ideal for larger walk-in, warehouse, dock coolers/freezer applications.

t-rp.com/tep

- High, medium and low temperature
- -40°F and above
- Air, electric and hot gas defrost
- 20000 to 124000 BTUH



HIGH PROFILE | THP

Ideally suited for warehouse/industrial cooler and freezer applications. Blast cooler and freezers applications available.

t-rp.com/thp

- High, medium and low temperature
- -30°F and above
- Air, electric and hot gas defrost
- 47000 to 308300 BTUH



CONDENSING UNITS

We have over 75 years experience in commercial refrigeration, and everything we've learned is evident in our condensing unit line. We offer a complete range of air and water-cooled, indoor and outdoor units covering all sizes and applications.

Units come with a long list of sought after standard features. A wide range of options and accessories are available, including

convenient pre-selected packages to simplify ordering and reduce delivery time.

This equipment is designed with flexibility and service in mind. Our units feature spacious control panels and cabinets, and our excellent quality and legendary reliability are standard.



SCROLL | TEZ

Comes complete with many sought-after standard features, plus numerous factory installed option packages pre-selected for your convenience. The spacious, service friendly design is a favorite of installers.

t-rp.com/tez

- Indoor/Outdoor
- High, medium and low temperature
- 3/4 to 17 HP
- Scroll compressors



HERMETIC | TEH

Models include many standard features all built into a spacious serviceable design. In addition, numerous factory installed option packages have been pre-selected for your convenience.

t-rp.com/teh

- Indoor/Outdoor
- Medium and low temperature
- 1/2 to 1 1/3 HP
- Hermetic compressors



SEMI-HERMETIC | TES

A spacious, serviceable design, wrapped in a weather-resistant painted cabinet. Delivers the quality you expect, including many sought-after standard features, and a long list of options you demand.

t-rp.com/tes

- Indoor/Outdoor
- High, medium and low temperature
- 1 to 22 HP
- Semi-Hermetic compressors



QUIETUNIT

REFRIGERATION DUTY CONDENSING UNITS



QUIET | TQ

Well-suited where space limitations, energy efficiency or sound levels are of concern. The compact design and attractive styling make the Quiet Unit highly desirable in urban or light commercial applications. Designed for refrigeration duty, a wide range of options providing flexibility suitable for a variety of applications.

t-rp.com/tqz

- Outdoor high, medium and low temperature
- 1/2 to 6 HP
- Scroll or Digital Scroll compressors



SMARTSPEED

FAN MOTOR TECHNOLOGY

Patented, award-winning fan control technology for Evaporators and Condensing Units.

-Motor speed changes according to system operation and ambient conditions

-Reduced energy consumption and system refrigerant charges

-No complex controls required, easy to operate

t-rp.com/smartspeed



COOLER/FREEZER COMBO | TC

One unit for both cooler and freezer boxes, saving space, installation time and shipping cost.

t-rp.com/tc

- Indoor / outdoor
- High, medium and low temperature
- 1/2 to 22 HP
- Hermetic or Scroll (or a combination) compressors



CONDENSING UNITS



MODELS AVAILABLE FOR DOE & NRCAN
AWEF-COMPLIANT APPLICATIONS



MODELS AVAILABLE FOR DOE & NRCAN
AWEF-EXEMPT APPLICATIONS

THERMOSPAN™

COIL DESIGN



MEDIUM OUTDOOR AIR COOLED | TM

Suitable for large walk-in coolers and freezers, blast freezers, warehouse applications and spaces where roof mounted condensers are most practical.

t-rp.com/tm

- Outdoor
- High, medium, low and ultra-low temperature
- Vertical airflow
- 6 to 44 HP
- Copeland or Bitzer semi-hermetic, Copeland Scroll or Digital Scroll compressors



LARGE OUTDOOR AIR COOLED | TV

Features single or dual compressor(s) and a vertical discharge air-cooled condenser, suitable for large walk-in coolers and freezers, blast freezers, warehouse applications and air-conditioned spaces where roof mounted condensers are most practical.

t-rp.com/tv

- Outdoor
- High, medium and low temperature
- 10 to 100 Hp
- Copeland or Bitzer Semi-Hermetic compressors



THERMOSEVER™

HOT GAS DEFROST SYSTEM

- Fast, efficient, positive defrosting of evaporators
- Complete factory pre-piping of all valves
- Maximum compressor protection

t-rp.com/thermosaver



OUTDOOR MULTI-COMPRESSOR | TF

Complete system flexibility using multiple compressor models and applications on a common chassis.

t-rp.com/tf

- Outdoor
- High, medium and low temperature
- Combines Copeland Hermetic, Semi-Hermetic and Scroll compressors (max. 40 HP Total)



LIMITROL +

FLOATING HEAD PRESSURE CONTROL SYSTEM

AHR EXPO
INNOVATION AWARDS
WINNER

2015

Combines variable speed EC motor technology, condenser portioning and various systems modifications in a responsive system that provides the ultimate in performance and control.

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



AVAILABLE FOR
CONDENSING UNITS OVER 5 HP

t-rp.com/limitrol



PARALLEL COMPRESSOR SYSTEMS

EXCLUSIVE REFRIGERATION SOLUTIONS

At Trenton Refrigeration, we aim to create exclusive refrigeration solutions built to suit your needs. Our Parallel Compressor Systems consist of multiple compressors that work together to satisfy large refrigeration loads. Instead of using one very large compressor,

multiple smaller compressors are piped in parallel to provide the same capacity as the large compressor while providing flexible capacity control a large compressor can't provide.

VISIT PCS.T-RP.COM



ENCLOSURE	INDOOR	INDOOR	INDOOR
COMPRESSOR TYPE	SCROLLS	SCROLLS	SCROLLS, SEMI SCREW
COMPRESSOR QUANTITY	8	10	CALL
MAX HP/COMPRESSOR	7.5	17	CALL
CONDENSER (INTEGRAL)	-	-	-
RECEIVER OPTION	-	YES	YES
RECEIVER CIRCUITS	LOOP ONLY	LOOP & BRANCHED	LOOP & BRANCHED



ENERGY EFFICIENCY

Incorporating the latest energy efficiency technologies including digital compressors, variable speed lead fan motor, electronic expansion valves, and more.



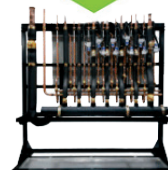
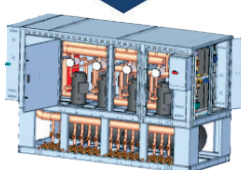
SERVICEABILITY

All components are easily accessible for service and maintenance. We offer custom built welded frames and sheet metal housing that will allow us to fit the parallel system in your desired location.



PARALLEL COMPRESSOR SYSTEM FAMILY

Parallel Compressor Systems piece together various existing products and technologies to create the ultimate system for your needs. The family consists of our LINK/LINK+, Racks, and Remote Headers.



VISIT PCS.T-RP.COM

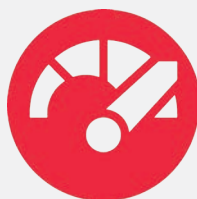


OUTDOOR	OUTDOOR	OUTDOOR	INDOOR	ENCLOSURE
SCROLLS	SCROLLS	SCROLLS	SCROLLS, SEMI SCREW	COMPRESSOR TYPE
8, 7	10	10	-	COMPRESSOR QUANTITY
8, 5, 17	17	17	-	MAX HP/COMPRESSOR
2 X 5 FANS	-	-	-	CONDENSER (INTEGRAL)
YES	YES	YES	YES	RECEIVER OPTION
LOOP & BRANCHED	LOOP & BRANCHED	LOOP & BRANCHED	LOOP & BRANCHED	RECEIVER CIRCUITS



FLEXIBILITY

Our systems utilize the latest technologies to control and optimize your refrigeration capabilities.



PERFORMANCE

Engineered to provide and maintain maximum performance, our systems use the best components available for your application.

CONDENSING UNITS

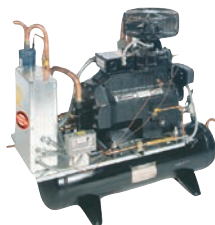


WATER COOLED | TW

Ideally suited for warehouse/industrial cooler and freezer applications and can be applied where air cooled units are not desirable or space is unavailable.

t-rp.com/tw

- Indoor
- High, medium and low temperature
- 1/2 to 40 HP
- Semi-Hermetic or Scroll compressors



REMOTE | TR

Designed for use with a remote air-cooled condenser. Our indoor compressor unit is typically used for supermarkets, large warehouses and applications where indoor space is at a premium.

t-rp.com/tr

- Indoor
- High, medium and low temperature
- 1/2 to 40 HP
- Semi-Hermetic or Scroll compressors



COAXIAL WATER | TX

An ideal choice for indoor mechanical rooms, complete with many standard features all built into a spacious serviceable design.

t-rp.com/tx

- Indoor
- High, medium and low temperature
- 1/2 to 6 HP
- Semi-Hermetic, Hermetic or Scroll compressors



AIR COOLED CONDENSERS



SMALL | TCS

Compact size provides installation flexibility. Wide range of options available including mounting legs, receiver kits with or without heater and insulation and numerous control options.

t-rp.com/tcs

- Refrigeration or air conditioning duty
- Horizontal or vertical air discharge
- 1 to 3 fans
- 2 to 24 tons THR



MEDIUM | TCM

Numerous fan, air discharge, circuiting and control options to satisfy a wide range of installation and application requirements.

t-rp.com/tcm

- Refrigeration or air conditioning duty
- Horizontal or vertical air discharge
- 1 to 8 fans
- 9 to 49 tons THR



LARGE | TCL

A huge list of fan, circuiting and control options available to meet limitless installation and application opportunities.

t-rp.com/tcl

- Refrigeration or air conditioning duty
- Horizontal or vertical air discharge
- 1 to 14 fans, single or double-width
- 12 to 230 tons THR



Trenton Refrigeration condensers are industry-renowned for their rugged construction and legendary reliability. Every one we build incorporates everything we've learned over our 75 years in the business, and offer all the leading edge innovations available.

Our condensers feature our tried and true internally enhanced tube and fin design and rugged weather-resistant construction. Offered in a wide range of capacities, with numerous fan cycling, circuiting and control options, we have a unit to meet any specialized commercial refrigeration requirement.

AIR HANDLERS

Our rugged and reliable air handlers feature single wall heavy gauge galvanized cabinet, housing an efficient forward curved blower powered by an internal motor. Includes full size access doors for easy maintenance, external electrical, extended

grease lines with external access and stainless-steel drain pan on all cooling coils. A long list of options is available for your specialized requirements.

CENTRAL STATION TAH, TAC, TAF

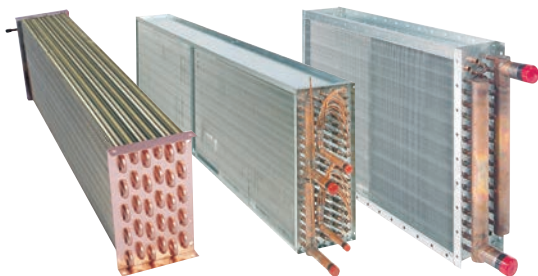
Single zone, horizontal or vertical models allow for design flexibility and higher total static pressures. Galvanized steel insulated cooling coil cabinets are generously sized to accommodate our direct expansion, chilled or hot water copper tube, aluminum fin coils.

t-rp.com/tah

- Indoor and outdoor applications
- Heating, cooling and ventilation applications
- 14 Models up to 64000 CFM / 75 hp
- 12 to 230 tons THR



FREE STANDING COILS



TDX DIRECT EXPANSION TWS, TWH, TWD WATER COOLING/HEATING THR HEAT RECLAIM

Highly efficient heat transfer for any design load. 7, 8, 10 or 12 fins per inch spacing, from 2 through 10 rows deep, using only the highest quality materials and the most modern manufacturing techniques available. Each coil is inspected and tested under rigid quality control standards.

t-rp.com/coils



FLUID COOLERS

TFM, TFL

Direct drive fluid coolers use water or glycol for process fluid cooling, remote radiators, secondary heat exchangers, and industrial water coolers. Ideal for use in supermarket systems or data centers. Available in 1 to 8 fan models for a wide range of capacities.

t-rp.com/tfl



HEAT RECLAIM

TMR

Convert heat from remote condensers and redirect it to work areas effectively reducing energy costs. Especially effective in supermarkets, convenience stores, restaurants and refrigerated warehouses.

t-rp.com/tmr



ABOUT TRENTON REFRIGERATION



NORTH AMERICA'S LEADING MANUFACTURER OF COMMERCIAL REFRIGERATION PRODUCTS

For over 75 years, Trenton Refrigeration has been a leader in the commercial refrigeration industry due to our commitment to innovation and dedication to supporting our customers.

Utilizing the experience and expertise of our team, Trenton Refrigeration consistently pioneers new and improved solutions that best suit your needs.



OVER 75 YEARS OF EXCELLENCE

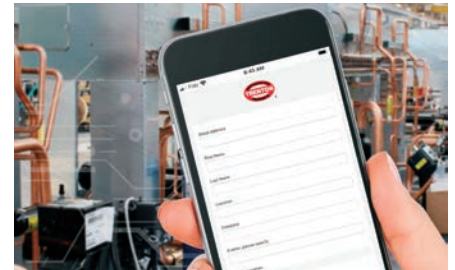
From the smallest to the largest units, Trenton Refrigeration brings experience and commitment to the refrigeration industry - beginning with the product design and engineering, and continuing through manufacturing, sales and after-market support.



DISCOVER OUR FULL RANGE OF DESIGN TOOLS

We provide a wide range of helpful tools, including Load Calculator, Defrost Kit Selector Tool and Energy Calculator to name but a few.

Visit t-rp.com/design-tools for details.



SIGN UP FOR OUR NEWSLETTER

Want to stay up to date on all things Trenton Refrigeration? Sign up to receive our newsletters so you don't miss out on all of the latest and greatest commercial refrigeration news.



CONNECT WITH US!

ARE YOU FOLLOWING US ON SOCIAL MEDIA YET? LET'S CONNECT!

At Trenton Refrigeration, our customers are our main priority. Keep up with the latest Trenton Refrigeration updates, event dates, and industry news. Like, Share, Tag, Comment, or Tweet at us with any of your questions or let us know how our products are helping your business!

TECHNICAL ADVICE, SUPPORT, PARTS & SERVICE

HOW CAN WE HELP YOU?

CONTACT OUR CUSTOMER SERVICE SPECIALISTS AT 1-844-893-3222

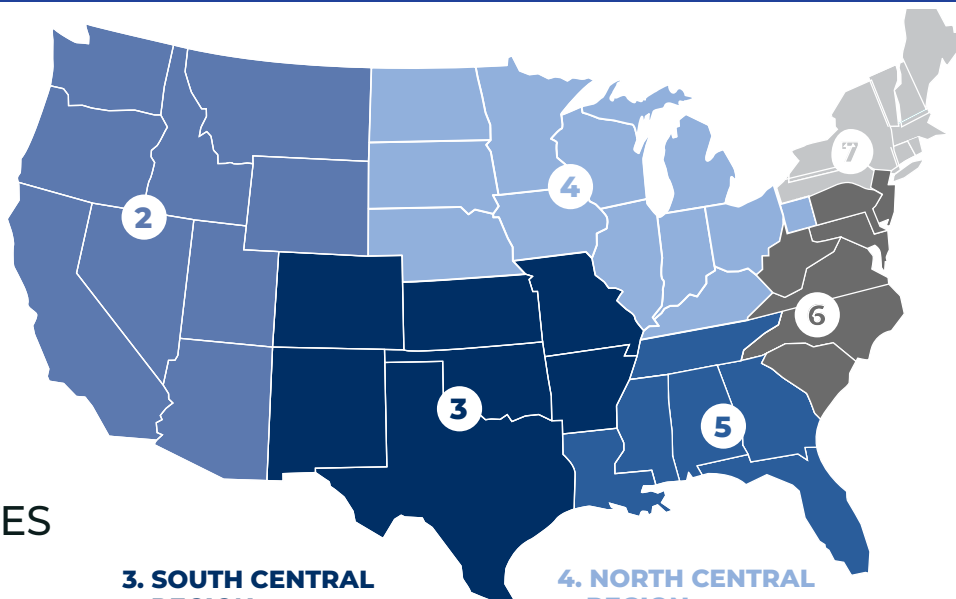
 PRODUCT SUPPORT					
	CATEGORY	EVAPORATORS	SMALL CONDENSING UNITS	MEDIUM & LARGE CONDENSING UNITS	REMOTE & WATER COOLED CONDENSING UNITS
	MODEL	TTL, TTM, T, TLV, TLP, TMP, TEP, THP	TEH, TEZ, TES, TQH, TQZ	TMS/TMD TVS/TVD	TRS, TRZ, TXZ, TWZ, TWS
	EMAIL	evaps@t-rp.com	smcu@t-rp.com	mdcu-lgcu@t-rp.com	rcu-wccu@t-rp.com
	EXTENSION	520	521	522	523
 PRODUCT SUPPORT					
	CATEGORY	MULTI COMPRESSOR CONDENSING UNITS	PARALLEL COMPRESSOR SYSTEMS	AIR COOLED CONDENSERS & FLUID COOLERS	AIR HANDLERS
	MODEL	TCZ, TF	Link/Link+, Racks, etc.	TCS, TCM, TCL, TFM, TFL	TAC, TAF, TAH, TAB, TAP, Free Standing Coils
	EMAIL	multicompcu@t-rp.com	racks@t-rp.com	acc-fc@t-rp.com	ahu@t-rp.com
	EXTENSION	524	525	526	527

 CUSTOMER SUPPORT	 DESIGN TOOLS <small>LEADING THE WAY</small> Design Tools, NROES Load Programs, Picoil	 TROUBLESHOOTING	 ORDERS	 SERVICE PARTS	 WARRANTY	 SHIPPING
EMAIL	software@t-rp.com	troubleshooting@t-rp.com	orders@t-rp.com	parts@t-rp.com	warranty@t-rp.com	shipping@t-rp.com
EXTENSION	528	529	501	504	507	503



IT ALL STARTS HERE

CONTACT YOUR REGIONAL OFFICE FIRST



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Leading The Way

TRENTON REFRIGERATION

Brantford, ON - Longview, TX

Phone: (519) 751-0444 or 1-800-463-9517 Fax: (519) 753-1140

Available Exclusively from
United Refrigeration Inc.



1-888-578-9100 www.uri.com

For more information about product lines go to: www.t-rp.com

Due to our policy of continuous product improvement, we reserve the right to make changes without notice.

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