

# SMARTSPEED™

FAN MOTOR TECHNOLOGY

**INNOVATIVE | COST EFFECTIVE | ENERGY EFFICIENT**



**Leading the Way in Quality and Value**

# SMARTSPEED™

FAN MOTOR TECHNOLOGY

Utilizing Trenton's patented SmartSpeed technology, customers can now benefit from reduced energy consumption and reduced system refrigerant charges, previously only available with more complex and expensive methods.

SmartSpeed offers a simplified, economical solution in order to meet the increasingly stringent efficiency levels being mandated across North America.

## 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.

On evaporators, the motor speed reduces to low speed when the compressor cycles off, saving energy without sacrificing product integrity.

On condensing units, the motor speed reduces to low speed when ambient conditions drop below 60°F, saving energy and refrigerant.

## ENERGY SAVINGS

Adding SmartSpeed means system-wide savings, regardless of which option you choose. Add SmartSpeed to the condensing unit, and save up to 10% on your system energy consumption. SmartSpeed on the evaporator can mean savings up to 15%. Put SmartSpeed on both and you get the ultimate savings: **up to 25%.**



## CHECK OUT OUR VIDEOS

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

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



## SIMPLE

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

## PATENTED & AWARD WINNING

SmartSpeed is patented under U.S. patents 8635883, 9151525 & 9297567. SmartSpeed for Evaporators received an Honorable Mention from the 2010 AHR Expo Innovation Awards.



## SMARTSPEED™ AVAILABLE FOR EVAPORATORS

FAN MOTOR TECHNOLOGY



**AVAILABLE ON TLV,  
TTM, TLP, TPLP, TMP &  
TEP EVAPORATORS\***

### EVAPORATOR WITH SMARTSPEED POWER CONSUMPTION PER MOTOR\*

MODEL	REFRIGERATION MODE FAN FULL SPEED	OFF CYCLE FAN LOW SPEED
TLV Low Velocity	95 W	25W
TTM Two Way	52 W	15 W
TLP Low Profile	60 W	13 W
TMP Medium Profile	245 W	70 W
TEP Extended Profile	460 W	155 W

Find out more at [t-rp.com/smartspeed](http://t-rp.com/smartspeed)

# SMARTSPEED™

FAN MOTOR TECHNOLOGY

**NOW AVAILABLE FOR  
CONDENSING UNITS!**



**AVAILABLE ON HERMETIC,  
SCROLL OR SEMI-HERMETIC  
CONDENSING UNITS**

CONDENSING UNIT WITH SMARTSPEED  
POWER CONSUMPTION PER MOTOR\*

CHASSIS SIZE SEE PRODUCT DOCUMENTATION FOR DETAILS	AMBIENTS ABOVE 55°F	AMBIENTS BELOW 55°F
	FAN FULL SPEED CRANKCASE + RECEIVER HEATERS OFF	FAN LOW SPEED CRANKCASE + RECEIVER HEATERS ON
A	102 W	19 W
B	168 W	37 W
C, D	362 W	76 W
E	630 W	152 W
F	1180 W	240 W

## MAXIMIZE YOUR SYSTEM ENERGY SAVINGS



**PSC MOTOR**



**PSC MOTOR**



**INDUSTRY  
STANDARD**



**PSC MOTOR**



**SMARTSPEED™**  
FAN MOTOR TECHNOLOGY



**10%**  
ENERGY SAVINGS\*



**SMARTSPEED™**  
FAN MOTOR TECHNOLOGY



**PSC MOTOR**



**15%**  
ENERGY SAVINGS\*



**SMARTSPEED™**  
FAN MOTOR TECHNOLOGY



**SMARTSPEED™**  
FAN MOTOR TECHNOLOGY



**20%-  
25%**  
ENERGY SAVINGS\*

\* 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

Trenton Refrigeration offers a complete line of commercial refrigeration products. From the smallest unit to the very largest, Trenton Refrigeration brings experience and commitment to the refrigeration industry - beginning with product design and engineering, and continuing through manufacturing, sales and after market support.

Trenton Refrigeration continues to Lead The Way, providing an award-winning line of Systems Savings Solutions, designed to reduce environmental impact, reduce energy consumption, increase system efficiency and more.



## LIMITROL

### FLOATING HEAD PRESSURE CONTROL SYSTEM

Limitrol+ combines various technologies into a responsive system that floats head pressure, saving energy and reducing environmental impact



## LINK/LINK

### MULTI-COMPRESSOR REFRIGERATION SYSTEM

Provides a conveniently centralized package for compressors, electrical and controls, allowing for maximized merchandizing space.

## SMARTSPEED™

### FAN MOTOR TECHNOLOGY

Simple, innovative EC motor technology offers significant energy savings through an award winning patented system configuration.



## QUIETUNIT

### REFRIGERATION DUTY CONDENSING UNITS

The award winning Quiet Unit is designed for refrigeration duty, and ideally suited for applications where space limitations, energy efficiency or sound levels are of concern.



## LOW GWP REFRIGERANTS

We have the equipment and expertise to help you respond to needs of our ever-changing industry.

## DC DEFROST CONTROL TECHNOLOGY

Responsive evaporator controls that provide energy savings by significantly increasing system efficiency over mechanically controlled systems.

## DS DISTRIBUTED REFRIGERATION SYSTEMS

Our customizable line of commercial refrigeration equipment is ideally suited for applications that require systems to be strategically placed.

## EC EC SHAFTED MOTOR TECHNOLOGY

Improved Efficiency, Reduced Sound Levels, Speed Control, Simplicity and Reliability



**Leading The Way in Quality and Value**

**TRENTON REFRIGERATION**  
Brantford, ON - Longview, TX

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.

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