

# VTC Compressor and Controller



# **Key Features and Benefits**



## **REDUCE ENERGY CONSUMPTION**

Optimizes energy usage by dynamically matching the capacity of the compressor to the refrigeration system's cooling demand.



#### **COMPACT SIZE**

Delivers the same capacity as a larger displacement, single-speed compressor, making more room for refrigerated goods.



#### **ECO-FRIENDLY**

Optimized for use with eco-friendly hydrocarbon refrigerant R290 (propane).



# GLOBAL VOLTAGE STABILIZATION

Electronic controller handles voltage inputs from 85 - 260 VAC, 50 / 60 Hz. Under/over voltage protection is built-in.



#### **TEMPERATURE CONTROL**

High speed compressor operation is used for fast pull-down while low speed operation is used to maintain cabinet temperature with minimal energy consumption.



#### **RAPID PULL-DOWN**

Peak periods throughout the day, typically around meal times, place additional demands on refrigerated equipment. By operating the compressor at higher speeds, the time required to pull-down cabinet temperatures is greatly reduced.

# **COMPRESSOR INFORMATION**

#### **Capacity Range:**

LBP Capacity Range: From 165-1,765 Btu/h
L/MBP Capacity Range: From 449-3,881 Btu/h

## **Refrigerant:**

R290 (Propane)

### Application(s):

Low / Medium Temperature:  $-31^{\circ}F$  ( $-35^{\circ}C$ ) to  $+23^{\circ}F$  ( $-5^{\circ}C$ ).

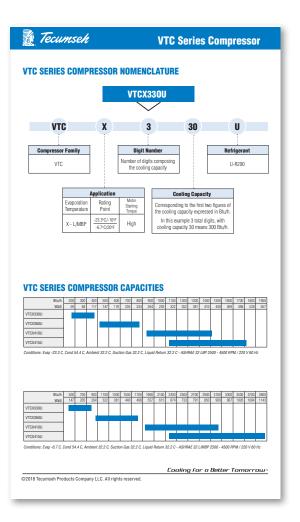
# **CONTROLLER INFORMATION**

Global Voltage Range: 85-260 VAC, 50/60 Hz Options:

- 1. Algorithm for use in "drop in" applications
- 2. Serial Control or Frequency Control.

#### **Key Features:**

- System Control Integration
- Soft-Starting / Current Control
- Communications Interface
- RPM "Skip" Capability
- Sine Wave Motor Speed Control
- Voltage Stabilization
- High-Load Starting
- Diagnostics
- Electronic Protection



# **COMPRESSOR AND CONTROLLER DIMENSIONS**

