

# 10 HP



## HURON B10 AIRSYSTEM 10HP VARIABLE SPEED, DIRECT DRIVE ROTARY SCREW AIR COMPRESSOR

- › **Revolutionary Single-Phase Design**  
Enabling Installations in Locations  
Previously Uneconomical or Impossible
- › **Energy-Efficient Performance**  
Variable Speed, Direct Drive
- › **100% Duty Cycle Operation**  
Ideal for Continuous-Use Applications
- › **Integrated Air After-Cooler**  
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 Controller**  
Advanced Control Solution



**Built Better.**



# HURON B10 AIRSYSTEM 10HP / SINGLE-PHASE ROTARY SCREW AIR COMPRESSORS

Featuring an extremely low maximum 55 Amp draw enabling installations in locations previously uneconomical or impossible, these heavy-duty, high-performance & high-efficiency Rotary Screw Compressors operate at a 100% duty cycle and are ideal for continuous-use applications where reliable, dry, clean air is required.

Innovative component integration results in a compact, quiet air system engineered for efficiency & performance; providing high-capacity air delivery and stable system pressure with minimal installation space.

The Huron B10 Rotary Screw Air Compressor features variable speed, direct drive technology and efficiently delivers 37 SCFM at 145 PSI.

## VARIABLE SPEED DRIVE (VSD)

The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in a compressor that is extremely economical and energy efficient, providing energy savings of up to 25%.

## ELIMINATING ARTIFICIAL DEMAND

The VSD's Pressure Tracking controls ensure that energy-use is optimized by producing only as much air as is needed at set pressure, avoiding artificial demand. The cost of over-pressurization is eliminated by tracking pressure multiple times each second.

## ELIMINATING CURRENT SPIKES

The VSD starts the motor with a gradual speed increase, eliminating in-rush current spikes on start-up, further contributing to the overall energy-efficiency of operation.

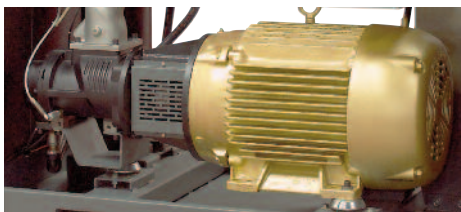
## VSD SAFETY

The VSD also integrates numerous power monitoring and fault protection technologies, such as: Integrated EMC filter, line reactor, phase loss and overload protection.

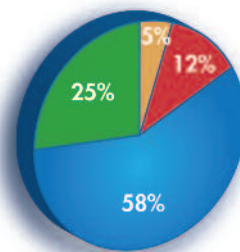
## 1:1 DIRECT DRIVE

DV Systems' one-to-one direct-drive technology enables efficient power transmission and optimizes power consumption, providing more air with less energy.

Our drive connects the motor directly to the high-efficiency air end with a low maintenance jaw in-shear coupling, providing maximum transmission efficiency and durability in use.

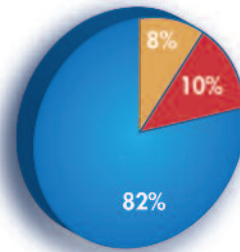


## VSD INSTALLATION

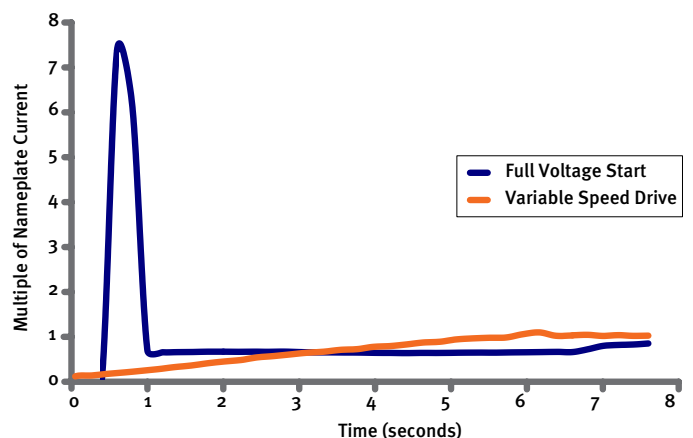


- ENERGY
- INVESTMENT
- SERVICE
- ENERGY SAVINGS

## TYPICAL INSTALLATION



- ENERGY
- INVESTMENT
- SERVICE



Starting Current for Full Voltage Start and Variable Speed Drive Units



## AIRSYSTEM

### The Complete Solution

The Huron B10 AirSystem offers a complete solution for your entire compressed air system requirements, providing clean, dry, compressed air.

The AirSystem includes:

- › A Microprocessor controlled ASD40 ProDry Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain.
- › A Heavy-Duty Aluminum Pre-Filter Housing with a 3-Micron Filter Element.
- › 80 Gallon Air Receiver - Built to ASME Codes & CRN Registered.
- › B10 Air Compressor.

## DRYTANK™

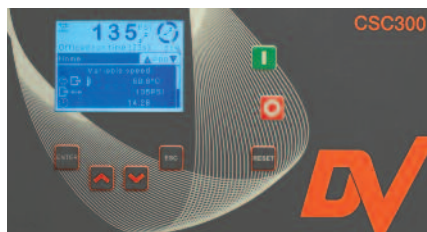
### Clean, Dry Compressed Air

A unique compressed air system configuration developed by DV Systems. It delivers clean, dry compressed air continuously, consistently and directly to the air receiver by employing the combination of a filter and dryer.

This configuration ensures that the tank is virtually dry, achieving not only an unprecedented level in the abatement of corrosion, but also maximizes the capacity of the tank for its intended use – to store and provide continuously cool, clean and dry air for your required applications, reliably and consistently.

## CSC 300 CONTROLLER

The Advanced CSC 300 Control Solution features the option of sequencing up to 8 compressors, optimizing system performance & efficiency.



## FEATURES

- › Optional Sequencing - Up to 8 Compressors
- › Web-Enabled System Control - Optional
- › Variable-Speed Drive Integration
- › Remote Stop/Start Operation
- › Real Time Clock with Pressure Schedule
- › Current (Amperage) Draw Display
- › Remote Fault Signals & Power Restart Capability
- › Service Maintenance Reminder
- › Configurable Digital Inputs (Optional)
- › 8 Relay Outputs (4 Configurable)



# HURON B10 AIRSYSTEM 10HP / SINGLE-PHASE ROTARY SCREW AIR COMPRESSORS

MODEL	HP	SOUND	SCFM 145 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
B10TDVSD	10	68	37	51"	68"	24"	870
B10TVSD	10	68	37	51"	65"	24"	722

## ENGINEERED FOR EFFICIENCY

The simplified, reduced-component, encapsulated design of the airend enhances reliability and contributes to the B Series' silent and efficient operation. The premium-efficiency industrial electric TEFC motor maintains constant motor efficiency and offers a wide operating range with exceptional full/part load performance.

## SOLID & SILENT

Engineered to effectively minimize noise levels, DV's rotary screw air compressors are designed with solid steel base frames and floors and powder-coated, heavy-gauge, acoustically insulated steel cabinets.

## ACCESSORIES

DV Systems provide a range of clean air treatment products including dryers, filters, separators, air receivers, ETC oil-free converters, and Ecocentre air compressor management systems, etc.

## > HDI SPECIFICATIONS

### PERFORMANCE

**Power** 10 HP

### ELECTRICAL

**Premium-Efficiency TEFC Industrial Motor**

**Motor RPM:** 3450 RPM

**Single Phase:** 230V / 55A / 60Hz

**3-Phase:** 200V / 38A, 230V / 35A, 460V / 15A, 575V / 12A, 60Hz

**Class F Insulation**

### CONFIGURATIONS

**AirSystem B10TDVSD** Includes pre-filter & dryer

**Tank Mounted B10TVSD**



Refrigerated Air Dryer

## 125+ YEARS OF MANUFACTURING EXCELLENCE

DV Systems is a designer of high-performance, high-efficiency compressed air systems.

We have been engineering and manufacturing industrial air compressors since 1954 in Barrie, Ontario, Canada and our commitment to a culture of innovation dates back 125 plus years.

Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

FOR MORE INFORMATION VISIT [DVCOMPRESSORS.COM](http://DVCOMPRESSORS.COM)

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ATTENTION: TO MAINTAIN WARRANTY PLEASE USE ONLY ORIGINAL SERVICE PARTS AND OFFICIAL DV SYSTEMS MAINTENANCE KITS.  
AS WE ARE COMMITTED TO CONTINUOUS IMPROVEMENT AND INNOVATION OF OUR PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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