10 & 15 HP

C SERIES
10HP / 15HP

ROTARY SCREW AIR COMPRESSORS

› 100% Duty Cycle Operation
  Ideal for Continuous-Use Applications

› Powerful, Efficient Delivery
  Variable Speed or Fixed Speed Belt Drive

› Innovative Design
  Compact, Quiet, Engineered for Optimized Efficiency & Performance

› Integrated Air After-Cooler
  Effectively Cools Air & Enhances System Efficiency

› CSC300 Controller
  Advanced Control Solution
These heavy-duty, high-performance & high-efficiency rotary screw air 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 and performance, providing high capacity air delivery and stable system pressure with minimal installation space.

The C10 features fixed speed, belt drive technology and efficiently delivers 39 SCFM at 145 psi. The C15 features variable or fixed speed, belt drive technology and efficiently delivers 57 SCFM at 145 psi.

VARIABLE SPEED DRIVE (VSD)
The VSD integrates a robust frequency inverter with the CSC300 controller to ensure energy efficiency, proving energy savings of up to 25%. The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in an air compressor that is extremely economical and energy efficient.

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 and 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.

FIXED SPEED, BELT DRIVE
Ideal for continuous-use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the airend, the fixed speed, belt drive provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.

LONG LIFE EXPECTANCY AIRENDS
Powerful oil bathed airends with no metal-to-metal contact are designed to offer the longest trouble-free performance when serviced according to our recommendations.

SOLID & SILENT
Engineered to effectively minimize noise levels and withstand the wear-and-tear of industrial environments for years.

DV’s rotary screw air compressors are designed with solid steel base frames and floors, powder coated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with an oil-resistant coating.
**AIRSYSTEM THE COMPLETE SOLUTION**

**The Complete Solution**

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

The AirSystem includes:

- A Microprocessor controlled ASD40 (10HP) or ASD60 (15HP) ProDry™ Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain
- A Heavy-Duty Aluminum Pre-Filter Housing with a 3-Micron Filter Element
- 120 Gallon Air Receiver - Built to ASME Codes & CRN Registered
- C Series Air Compressor

**DRYTANK™**

**Clean, Dry Compressed Air**

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

A DryTank 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 CSC300 effectively manages, monitors and maintains optimal operational parameters to ensure stable system pressure and reliable operation of DV’s rotary screw air compressors.

**FEATURES**

- Optional Sequencing - Up to 8 Compressors
- Web-Enabled System Control - Optional
- Remote Stop/Start Operation
- Microprocessor control for load/no-load and auto shut-off
- 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)

**Optional Sequencing Mode**

Controls target system pressure within fine limits to reduce generating costs, and ensures that air compressors are employed in the most efficient combination to suit a fluctuating air demand pattern. Our air compressor sequencing module is capable of controlling up to eight air compressors site-wide.
BASE MOUNTED

<table>
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<tr>
<th>Model</th>
<th>HP</th>
<th>Sound Level (dBA)</th>
<th>Motor RPM</th>
<th>Dimensions (inches)</th>
<th>Weight (Lbs)</th>
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<td>C15VSD</td>
<td>15</td>
<td>69</td>
<td>1770 (10 HP), 3450 (15 HP)</td>
<td>57 x 36 3/4 x 80 3/8</td>
<td>1080</td>
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<td>1770 (10 HP), 3450 (15 HP)</td>
<td>57 x 62 1/8 x 80 3/8</td>
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<td>1770 (10 HP), 3450 (15 HP)</td>
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TANK MOUNTED & AIRSYSTEM PACKAGES

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<th>Sound Level (dBA)</th>
<th>Motor RPM</th>
<th>Dimensions (inches)</th>
<th>Weight (Lbs)</th>
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</tr>
</tbody>
</table>

Standard pressure setting is 145 psi

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 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 STILSEMACHINERY.COM

SPECIFICATIONS

PERFORMANCE
- Power: 10 HP, 15 HP

ELECTRICAL
- Premium-Efficiency TEAO Industrial Motor
- Motor RPM: 1770 RPM (10 HP), 3450 RPM (15 HP)
- Three Phase:
  - 10 HP: 200V / 29.5A, 230V / 25.6A, 460V / 12.8A, 575V / 10.8A, 60Hz
- Class F Insulation

CONFIGURATIONS
- AirSystem
  - C10TD: Air Receiver (120 Gal) & Pre-Filter & Air Dryer
  - C15TD: Air Receiver (120 Gal) & Pre-Filter & Air Dryer
- Tank Mounted
  - C10T & C15T: Air Receiver (120 Gal)
- Base Mounted
  - C10/C15/C15VSD

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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.

For information, contact Stiles Enhancement Technologies
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