

# 10 & 15 HP



## C SERIES 10HP / 15HP

### ROTARY SCREW AIR COMPRESSORS

- › **100% Duty Cycle Operation**  
Ideal for Continuous-Use Applications
- › **Powerful, Efficient Delivery**  
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



**Built Better**

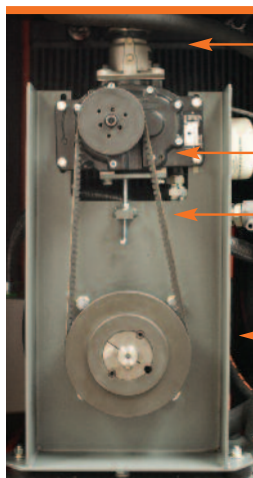
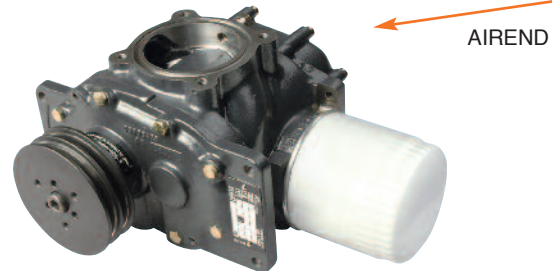


# C SERIES 10HP / 15HP ROTARY SCREW AIR COMPRESSORS

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 & performance, providing high capacity air delivery and stable system pressure with minimal installation space.

## 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 system provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.



LARGE AREA 3 MICRON  
AIR INTAKE FILTER

NEW PRECISION AIREND

SINGLE POINT  
BELT TENSIONING  
NO RE-ALIGNMENT NECESSARY

TEFC MOTOR

## 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, powdercoated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with an oil-resistant coating.

## STANDARD FEATURES

- › High-efficiency airends
- › Belt drive for maximum flexibility in pressure selection
- › Single point belt-tensioning system
- › High quality North American industrial TEFC electric motors
- › Heavy-duty, industrial-strength powder-coated metal cabinet provides durability in use and silent operation
- › High temperature, high pressure and anti-rotation shutdown
- › Easy access CRN & ASME air/oil receiver facilitates oil changes
- › Easy to service "spin-on" oil filter & separators
- › High-performance hydraulic hoses with JIC style fittings and reverse rotation sensors.
- › High thermal capacity aluminum oil cooler with integrated air after-cooler
- › SAE "O" rings and compression fittings
- › Factory supplied with synthetic oil coolant
- › 3 micron, water-resistant air intake filter

## "EASY ACCESS" CABINET DESIGN



"SPIN-ON" TYPE OIL SEPARATOR

MINIMUM PRESSURE VALVE

"SPIN-ON" OIL FILTER

CRN & ASME OIL RESERVOIR  
AND PRIMARY SEPARATOR



## 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. 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 CSC300 effectively manages, monitors and maintains optimal operational parameters to ensure stable system pressure and reliable operation of DV's rotary screw 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 compressors are employed in the most efficient combination to suit a fluctuating air demand pattern. Our compressor sequencing module is capable of controlling up to eight air compressors site-wide.



# C SERIES 10HP / 15HP

## ROTARY SCREW AIR COMPRESSORS

### > BASE MOUNTED

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)			Weight Lbs
			100 psi	145 psi	Height	Width	Depth	
C10	10	65 dBA	42	39	35 1/2	33 1/4	25 1/4	526
C15	15	69 dBA	61	57	35 1/2	33 1/4	25 1/4	540

### > TANK MOUNTED & AIRSYSTEM PACKAGES

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)			Weight Lbs
			100 psi	145 psi	Height	Width	Depth	
C10T	10	65 dBA	42	39	60 7/8	77	25 1/4	906
C10TD	10	65 dBA	42	39	60 7/8	77	25 1/4	1010
C15T	15	69 dBA	61	57	60 7/8	77	25 1/4	920
C15TD	15	69 dBA	61	57	60 7/8	77	25 1/4	1030

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  
DVCOMPRESSORS.COM**

DISTRIBUTED BY:

### > SPECIFICATIONS

#### PERFORMANCE

**Power** 10 HP, 15 HP

#### ELECTRICAL

**Premium-Efficiency TEFC 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 / 11.4A, 60Hz

**15 HP:** 200V / 38.5A, 230V / 34A, 460V / 17A, 575V / 13.5A, 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**

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.



#### DV Systems Canada

490 Welham Rd., Barrie, ON L4N 8Z4  
 Phone: 705 728-5657, Fax: 705 728-4974  
[sales@dvcompressors.com](mailto:sales@dvcompressors.com)  
[dvcompressors.com](http://dvcompressors.com)

#### DV Systems USA

128-B Talbert Rd., Mooresville, NC 28117  
 Phone: 704 799-0046, Fax: 704 799-0355  
[orders@dvcompressors.com](mailto:orders@dvcompressors.com)



©DV Systems Inc. 2015

C-02-2015-7 Printed in Canada