

# 20, 25 & 30 HP



## G SERIES 20HP / 25HP / 30HP ROTARY SCREW AIR COMPRESSOR

- › **DRIVE TECHNOLOGY**  
Variable Speed or Fixed Speed, Belt Drive
- › **100% DUTY CYCLE OPERATION**  
Ideal for Continuous-Use Applications
- › **INNOVATIVE DESIGN**  
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- › **INTEGRATED AIR AFTER-COOLER**  
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 CONTROLLER**  
Advanced Control Solution
- › **5 YEAR LIMITED WARRANTY**



**BUILT BETTER**



# G SERIES 20HP / 25HP / 30HP ROTARY SCREW AIR COMPRESSOR

These heavy-duty, high-performance & high-efficiency Rotary Screw Compressors can 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 G Series features either Variable Speed or Fixed Speed Belt Drive Technology, efficiently delivering 73 through to 106 SCFM of compressed air at 145 PSI.

## VARIABLE SPEED, BELT DRIVE

The G series rotary screw air compressor integrates a robust frequency inverter with the CSC 300 controller to ensure energy efficiency, providing energy savings of up to 25%. Energy use is constantly aligned with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in a 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.

## FIXED SPEED, BELT DRIVE

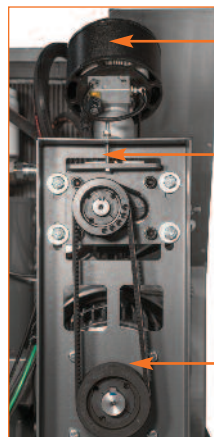
Ideal for continuous use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the airoend, the fixed-speed, belt-drive system provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.



"SPIN-ON" TYPE  
OIL SEPARATOR

OIL FILTER

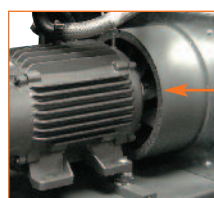
CRN/ASME OIL RESERVOIR  
AND PRIMARY SEPARATOR



LARGE AREA  
3 MICRON  
AIR INTAKE FILTER

SINGLE POINT  
BELT TENSIONING  
NO RE-ALIGNMENT  
NECESSARY

ENCLOSED PULLEYS  
AND DRIVE BELT



TEFC MOTOR



## AIRSYSTEM

### The Complete Solution

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

The AirSystem includes:

- › G Series Air Compressor
- › A Heavy-Duty Aluminum Pre-Filter Housing with a 3-Micron Filter Element
- › A Microprocessor controlled ASD100 ProDry™ Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain
- › 120 Gallon Air Receiver - Built to ASME Codes & CRN Registered

## 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 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.



# G SERIES

## 20HP / 25HP / 30HP

### ROTARY SCREW AIR COMPRESSOR

#### BASE MOUNTED

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)			Weight (lbs)
			120 psi	145 psi	Height	Width	Depth	
G20	20	67 dBA	82	73	48	49 3/4	32	1150
G25	25	68 dBA	100	91	48	49 3/4	32	1150
G25VSD	25	68 dBA	100	96	48	49 3/4	32	1225
G30	30	69 dBA	116	106	48	49 3/4	32	1150
G30VSD	30	69 dBA	116	112	48	49 3/4	32	1225

#### TANK MOUNTED & AIRSYSTEM PACKAGES

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)			Weight (lbs)
			120 psi	145 psi	Height	Width	Depth	
G20T	20	67 dBA	82	73	73 3/8	76 5/8	34 1/2	1522
G20TD	20	67 dBA	82	73	73 3/8	76 5/8	34 1/2	1742
G25T	25	68 dBA	100	91	73 3/8	76 5/8	34 1/2	1522
G25TD	25	68 dBA	100	91	73 3/8	76 5/8	34 1/2	1742
G25TVSD	25	68 dBA	100	96	73 3/8	76 5/8	34 1/2	1715
G25TDVSD	25	68 dBA	100	96	73 3/8	76 5/8	34 1/2	1817
G30T	30	69 dBA	116	106	73 3/8	76 5/8	34 1/2	1542
G30TVSD	30	69 dBA	116	112	73 3/8	76 5/8	34 1/2	1715
G30TD	30	69 dBA	116	106	73 3/8	76 5/8	34 1/2	1742
G30VSDTD	30	69 dBA	116	112	73 3/8	76 5/8	34 1/2	1817

Standard pressure setting is 120 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**

[STILESMACHINERY.COM](http://STILESMACHINERY.COM)

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#### SPECIFICATIONS

##### PERFORMANCE

**Power** 20 HP, 25 HP, 30 HP

##### ELECTRICAL

**Premium-Efficiency TEFC Industrial Motor**

**Motor RPM:** 3510

**Three Phase:**

**20 HP** 200V/54A, 230V/45A, 460V/22.5A, 575V/17.9A, 60Hz

**25 HP** 200V/65A, 230V/56A, 460V/28A, 575V/22.7A, 60Hz

**30 HP** 200V/78A, 230V/68A, 460V/34A, 575V/27A, 60Hz

**Class F Insulation**

##### CONFIGURATIONS

###### AIRSYSTEM

**G20TD** 120 Gal. Air Receiver, Pre-Filter & Air Dryer

**G25TD, G25TDVSD** 120 Gal. Air Receiver, Pre-Filter & Air Dryer

**G30TD, G30TDVSD** 120 Gal. Air Receiver, Pre-Filter & Air Dryer

###### TANK MOUNTED

**G20T, G25T, G25TVSD, G30T, G30TVSD** 120 Gal. Air Receiver

###### BASE MOUNTED

**G20, G25, G25VSD, G30, G30VSD** Doesn't include Air Receiver or Air Dryer

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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