

# 20, 25 & 30 HP



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

- › **100% DUTY CYCLE OPERATION**  
Ideal for Intermittent & Continuous-Use Applications
- › **INNOVATIVE REDUCED-COMPONENT DESIGN**  
Engineered for Efficient Performance, Increased Reliability & Durability
- › **INTEGRATED AIR AFTER-COOLER**  
Effectively Cools Air & Enhances System Efficiency
- › **INTELLIGENT CSC300 CONTROLLER**  
Advanced Control Solution
- › **5 YEAR LIMITED WARRANTY**  
Rugged Construction & Long Life



**BUILT BETTER**



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

The **G Series** features an innovative reduced-component, integrated design centered around reliable delivery, durability and efficiency.

The G Series is robust, yet quiet and compact – an air system engineered for efficiency & reliable performance providing high-capacity air delivery and stable system pressure with minimal installation space.

The G Series' small footprint and front-loading fork-lift slots make these rugged air compressors more versatile and easier to install.

The G Series is engineered with steel tubes and an air-end discharge hose with a dual flange-mounted, stainless-steel, braided flexi-hose for increased ruggedness and durability. The inverter is equipped with EMC filters and a DC choke, providing improved harmonic performance. The air/oil separator filter is equipped with an internal oil-return tube enhancing system reliability and reducing the possibility of leaks.

These rotary screw air compressors operate at a 100% duty cycle in variable or fixed speed and are ideal for continuous or intermittent-use applications requiring 82 to 116 SCFM of compressed air at 120 psi.

## VARIABLE SPEED, BELT DRIVE

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 Current Spikes

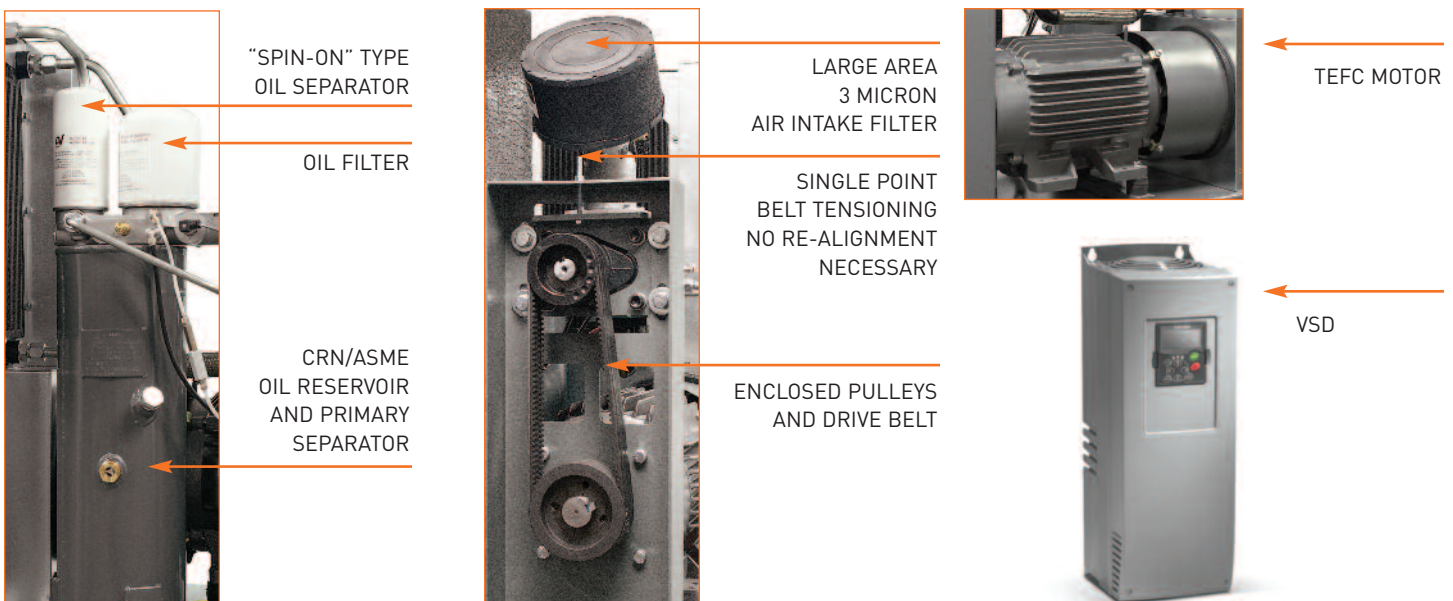
The VSD starts the motor with a gradual speed increase, eliminating in-rush current spikes on start-up and further contributing to the overall energy-efficiency of operation.

### 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.

## 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.





## 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 1-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 air 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
G30TDVSD	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

[WWW.DVSYSTEMS.COM](http://WWW.DVSYSTEMS.COM)

DISTRIBUTED BY:

## 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.



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