

# 20-30 HP

## G20/G25/G30 G20VSD/G25VSD/G30VSD

ROTARY SCREW  
AIR COMPRESSOR



- > **100% Duty Cycle Operation**  
Ideal for Continuous-Use Applications
- > **Innovative Reduced-Component Design**  
Engineered for Efficient Performance, Increased Reliability & Durability
- > **Integrated Air Cooled After-Cooler**  
Effectively Cools Air & Enhances System Efficiency
- > **4.3" Color Touchscreen Microprocessor Controller**  
Governor State-of-the-Art Compressor Control System
- > **5-Year Limited Warranty**  
Rugged Construction & Long Life



Built Better

# G20-30/G20-30VSD

20-30HP

ROTARY SCREW AIR COMPRESSOR

The G Series features an innovative reduced-component, integrated airend 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 air compressors more versatile and easier to install.

The G Series is engineered with stainless steel tubing for increased 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 are designed for 100% duty cycle in variable or fixed speed and are ideal for continuous operation applications requiring 80 to 112 SCFM of compressed air at 125 psi.

## VARIABLE SPEED

The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimal 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 measuring pressure multiple times each second.

## FIXED-SPEED

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 enhanced serviceability.

## FLEXIBLE CONFIGURATIONS

All configurations available in fixed & variable speed.

Base Mount



Tank Mount



AirSystem with Integrated Dryer





4.3" Touchscreen Governor Controller



Fully Integrated EK100 Airend

120 Gallon Air Receiver



## 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 (20 & 25 HP) or ASD150 ProDry (30 HP)
- > 120 Gallon Air Receiver

## 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.

## 4.3" GOVERNOR CONTROLLER

The Governor 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 4 Compressors
- > Remote Stop/Start Operation
- > Microprocessor Control for Load/No-Load & 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
- > 4.3" LCD Touchscreen

## OPTIONAL EQUIPMENT

- > Moisture separator (Base & Tank Mount only)
- > Line Reactors (VSD only)
- > Sequencing Kit
- > Disconnect Kit (VSD only)
- > Food Grade Lubricant
- > 3 Valve Bypass (AirSystem only)
- > Electronic Tank Drain (Tank Mount & AirSystem only)

# G20-30 & G20-30VSD

## 20-30HP ROTARY SCREW AIR COMPRESSOR

### 100+ 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 100 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

### SPECIFICATIONS

#### PERFORMANCE

Power: 20HP, 25HP & 30HP

#### CONFIGURATIONS

##### AIRSYSTEM

G20TD, G25TD, G20TDVSD, G25TDVSD, G30TD, G30TDVSD  
Includes 120 Gal. Air Receiver, Pre-Filter & Air Dryer

##### TANK MOUNTED

G20T, G25T, G20TVSD, G25TVSD, G30T, G30TVSD  
Includes 120 Gal. Air Receiver

##### BASE MOUNTED

G20, G25, G20VSD, G25VSD, G30, G30VSD  
Doesn't include Air Receiver or Air Dryer

### PERFORMANCE SPECIFICATIONS

|                | MODEL  | DRIVE MOTOR* |    | NOMINAL PRESSURE* |      | FAD*   |                     | NOISE LEVEL* | WEIGHT** |     | DIMENSIONS**<br>L x W x H<br>IN. (MM)        |
|----------------|--------|--------------|----|-------------------|------|--------|---------------------|--------------|----------|-----|--|
|                |        | HP           | KW | PSIG              | BAR  | ACFM   | M <sup>3</sup> /MIN |              | LBS      | KG  |  |
| FIXED SPEED    | G20    | 20           | 15 | 110               | 7.6  | 84.9   | 2.40                | 73           | 903      | 410 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 79.5   | 2.25                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 65.0   | 1.84                |              |          |     |  |
| FIXED SPEED    | G25    | 25           | 18 | 110               | 7.6  | 108.9  | 3.05                | 74           | 936      | 425 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 98.0   | 2.75                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 77.7   | 2.18                |              |          |     |  |
| FIXED SPEED    | G30    | 30           | 22 | 110               | 7.6  | 120.0  | 3.40                | 74           | 947      | 430 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 112.0  | 3.17                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 93.9   | 2.66                |              |          |     |  |
| VARIABLE SPEED | G20VSD | 20           | 15 | 110               | 7.6  | 85.00  | 2.41                | 73           | 953      | 432 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 78.30  | 2.22                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 62.50  | 1.77                |              |          |     |  |
| VARIABLE SPEED | G25VSD | 25           | 18 | 110               | 7.6  | 108.20 | 3.06                | 74           | 986      | 447 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 92.60  | 2.62                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 76.30  | 2.16                |              |          |     |  |
| VARIABLE SPEED | G30VSD | 30           | 22 | 110               | 7.6  | 119.60 | 3.39                | 74           | 997      | 452 | 32.8 x 35 x 46<br>(833.12 x 889.00 x 1168.4) |
|                |        |              |    | 125               | 8.6  | 111.10 | 3.15                |              |          |     |  |
|                |        |              |    | 175               | 12.1 | 89.40  | 2.53                |              |          |     |  |

\*Applies to all configurations. \*\*Base-mounted units only.

### AIR SYSTEM DETAILS

|             | MODEL  | WEIGHT                     |              | DIMENSIONS<br>L x W x H<br>IN. (MM) | DRYER MODEL    | RECEIVER SIZE |         | REFRIGERANT                      |
|-------------|--------|----------------------------|--------------|-------------------------------------|----------------|---------------|---------|----------------------------------|
|             |        | DRYER                      | LBS          |                                     |                | KG            | GALLONS |                                  |
| FIXED SPEED | G20    | Less dryer:<br>With dryer: | 1479<br>1583 | 671<br>718                          | ProDry ASD 100 | 120           | 454.25  | 100 cfm: R134A<br>150 cfm: R407C |
|             | G25    | Less dryer:<br>With dryer: | 1512<br>1616 | 686<br>733                          |                |               |         |                                  |
|             | G30    | Less dryer:<br>With dryer: | 1523<br>1708 | 691<br>775                          |                |               |         |                                  |
| VAR. SPEED  | G20VSD | Less dryer:<br>With dryer: | 1529<br>1623 | 694<br>741                          | ProDry ASD 100 | 120           | 454.25  | 100 cfm: R134A<br>150 cfm: R407C |
|             | G25VSD | Less dryer:<br>With dryer: | 1562<br>1666 | 709<br>756                          |                |               |         |                                  |
|             | G30VSD | Less dryer:<br>With dryer: | 1573<br>1758 | 714<br>797                          |                |               |         |                                  |

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

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DVS-G20-30 1st Ed. 8/22