

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** L x W x H IN. (MM)
		HP	KW	PSIG	BAR	ACFM	M ³ /MIN		LBS	KG	
FIXED SPEED	G20	20	15	110	7.6	84.9	2.40	73	903	410	32.8 x 35 x 46 (833.12 x 889.00 x 1168.4)
				125	8.6	79.5	2.25				
				175	12.1	65.0	1.84				
G25	25	18	110	7.6	108.9	3.05	74	936	425		
			125	8.6	98.0	2.75					
			175	12.1	77.7	2.18					
G30	30	22	110	7.6	120.0	3.40	74	947	430		
			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	
				125	8.6	78.30	2.22				
				175	12.1	62.50	1.77				
	G25VSD	25	18	110	7.6	108.20	3.06	74	986	447	
				125	8.6	92.60	2.62				
				175	12.1	76.30	2.16				
G30VSD	30	22	110	7.6	119.60	3.39	74	997	452		
			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 L x W x H IN. (MM)	DRYER MODEL	RECEIVER SIZE		REFRIGERANT	
		DRYER	LBS			KG	GALLONS		LITERS
FIXED SPEED	G20	Less dryer:	1479	671	78.23 x 35.53 x 75.3 (1487.04 x 902.46 x 1912.62)	ProDry ASD 100	120	454.25	100 cfm: R134A 150 cfm: R407C
		With dryer:	1583	718					
		G25	Less dryer:	1512					
With dryer:	1616		733						
G30	Less dryer:		1523	691					
	With dryer:	1708	775						
	VAR. SPEED	G20VSD	Less dryer:	1529	694	78.23 x 35.53 x 75.3 (1487.04 x 902.46 x 1912.62)	ProDry ASD 100	120	454.25
With dryer:			1623	741					
G25VSD			Less dryer:	1562	709				
	With dryer:	1666	756						
	G30VSD	Less dryer:	1573	714					
With dryer:		1758	797						
						ProDry ASD 150			

FOR MORE INFORMATION VISIT DVSYSTEMS.COM

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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.



DV Systems

490 Welham Rd., Barrie, ON L4N 8Z4 | Phone: 705 728-5657 | sales@dvsystems.com

dvsystems.com