

20 DENE

20 HP, 82 SCFM at 120 PSI, 71 dBA



SCREW COMPRESSORS
BUILT BETTER



DENE D20 AIRSYSTEM®

**POWERFUL, EFFICIENT DELIVERY
SILENT OPERATION**

- › DRIVE TECHNOLOGY
VARIABLE SPEED BELT DRIVE OR FIXED SPEED BELT DRIVE
- › 100% DUTY CYCLE OPERATION
IDEAL FOR CONTINUOUS-USE APPLICATIONS
- › INTEGRATED, INNOVATIVE DESIGN
COMPACT, QUIET, ENGINEERED FOR EFFICIENCY & PERFORMANCE
- › CSC300 CONTROLLER
ADVANCED CONTROL SOLUTION



DENE D20 AIRSYSTEM[®]

ROTARY SCREW AIR COMPRESSORS

These heavy-duty, high-performance & high-efficiency Rotary Screw Compressors operate at a 100% duty cycle and are ideal for continuous-use applications. 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.

VARIABLE SPEED DRIVE (VSD)

The VSD integrates a robust frequency inverter with the CSC300 controller to ensure energy efficiency. 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 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.

VSD SAFETY

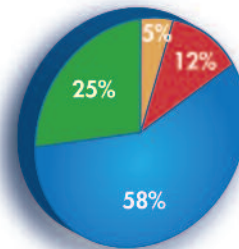
The VSD also integrates numerous power monitoring and fault protection technologies, such as: Integrated EMC filter, line reactor, phase loss and overload protection.

FIXED SPEED, BELT DRIVE

DV Systems' fixed speed, belt-drive is ideal for continuous-use applications with constant compressed air demand.

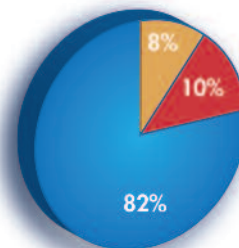
Demonstrating efficient power transmission from the motor to the airend, the fixed-speed, belt-drive provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.

VSD INSTALLATION



- ENERGY
- INVESTMENT
- SERVICE
- ENERGY SAVINGS

TYPICAL INSTALLATION



- ENERGY
- INVESTMENT
- SERVICE

CSC 300 MICROPROCESSOR

The Advanced CSC 300 Control Solution features the option of sequencing up to 8 compressors, optimizing system performance & efficiency.

FEATURES:

Optional Sequencing - Up to 8 Compressors

Web-Enabled System Control - Optional

Variable-Speed Drive Integration

Remote Stop/Start Operation

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)



BUILT BETTER



AIRSYSTEM®

The Complete Solution

The Dene D20 AirSystem® offers a complete solution for your entire compressed air system requirements, providing clean, dry, compressed air.

The Dene D20 AirSystem™ includes:

- A Microprocessor controlled ASD100 ProDry Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain.
- A Heavy-Duty Aluminum Pre-Filter Housing with Filter Element.
- A 120 Gallon Air Receiver - Built to ASME Codes & CRN Registered.
- A D20 Air Compressor.

DRYTANK™

Clean, Dry Compressed Air

A unique compressed air system configuration developed by DV Systems, delivering 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.



DENE D20 AIRSYSTEM®

ROTARY SCREW AIR COMPRESSORS

100+ YEARS OF MANUFACTURING EXCELLENCE

DV Systems is a Designer of High-Performance, High-Efficiency Air Technology Solutions. 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.

ENGINEERED FOR EFFICIENCY

The simplified, reduced-component, encapsulated design of the airend enhances reliability and contributes to the D Series' silent & efficient operation. The premium-efficiency industrial electric TEFC motor maintains constant motor-efficiency and offers a wide operating range with exceptional full/part load performance.

SOLID & SILENT

Engineered to effectively minimize noise levels, DV's Rotary Screw Compressors are designed with solid steel base frames and floors, powder-coated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with an oil-resistant coating.

ACCESSORIES

DV Systems provides a range of air treatment products, including dryers, filters, separators, air receivers, ETC oil-free converters, and EcoCentre compressor management systems.

SPECIFICATIONS

Electrical

Premium-Efficiency TEFC Industrial Motor

Motor RPM: 3540

3-Phase: 200V/53A, 230V/46A, 460V/23A & 575V/18.4A 60HZ

Configurations

AirSystem® - D20TD / D20TDVSD

Tank Mounted - D20T / D20TVSD

Base Mounted - D20 / D20VSD

VARIABLE SPEED BELT DRIVE

MODEL	HP	SOUND	SCFM 120 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
D20TDVSD*	20	71	82	70"	83"	29 3/4"	1230
D20TVSD**	20	71	82	70"	83"	29 3/4"	1126
D20VSD	20	71	82	43"	44 1/2"	29 3/4"	930

FIXED SPEED BELT DRIVE

MODEL	HP	SOUND	SCFM 120 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
D20TD*	20	71	82	70"	83"	29 3/4"	1230
D20T**	20	71	82	70"	83"	29 3/4"	1126
D20	20	71	82	43"	44 1/2"	29 3/4"	930

*TD - Tank Mounted (120 Gallon) with ASD100 Dryer, **T - Tank Mounted (120 Gallon)

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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.



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