

# 200 HP



## N200 HAIDA 200HP

### ROTARY SCREW AIR COMPRESSORS

- › **Powerful, Efficient Delivery**  
Variable Speed, Direct Drive
- › **100% Duty Cycle Operation**  
Ideal for Continuous-Use Applications
- › **Innovative Design**  
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- › **Integrated Air After-Cooler & Double Cooling Fins**  
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 Controller**  
Advanced Control Solution
- › **5 Year Extended Warranty**



**BUILT BETTER**



# N200 HAIDA 200HP

## ROTARY SCREW AIR COMPRESSOR

These heavy-duty, high-performance & high-efficiency rotary screw air 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 and performance, providing high-capacity air delivery and stable system pressure with minimal installation space.

The N200 Haida features variable speed, direct drive and efficiently delivers 926 SCFM of compressed air at 100 PSI, 901 SCFM of compressed air at 125 PSI and 848 SCFM of compressed air at 145 PSI.

### VARIABLE SPEED, DIRECT DRIVE

The VSD integrates a robust frequency inverter with the CSC300 controller to ensure energy efficiency, proving energy savings of up to 25%. The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in an air compressor that is extremely economical and energy efficient.

### 1:1 DIRECT DRIVE

DV Systems' One-to-One Direct Drive Technology enables efficient power transmission and optimizes power consumption, providing more air with less energy. Our drive connects the motor directly to the high-efficiency airend with a low maintenance jaw in-shear coupling, providing maximum transmission efficiency and durability in use.

### 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.



Variable Speed Direct Drive

### HIGHLIGHTS

#### 100% Duty-Cycle Operation

Ideal for Continuous-Use Applications

#### Integrated, Innovative Design

Engineered for Efficiency & Performance

#### Integrated Air After-Cooler & Double Cooling Fans

Effectively Cools Air & Enhances System Efficiency

#### Solid & Silent

Rugged Construction with Steel Tubing

#### CSC300 Controller

Advanced Microprocessor Control Solution

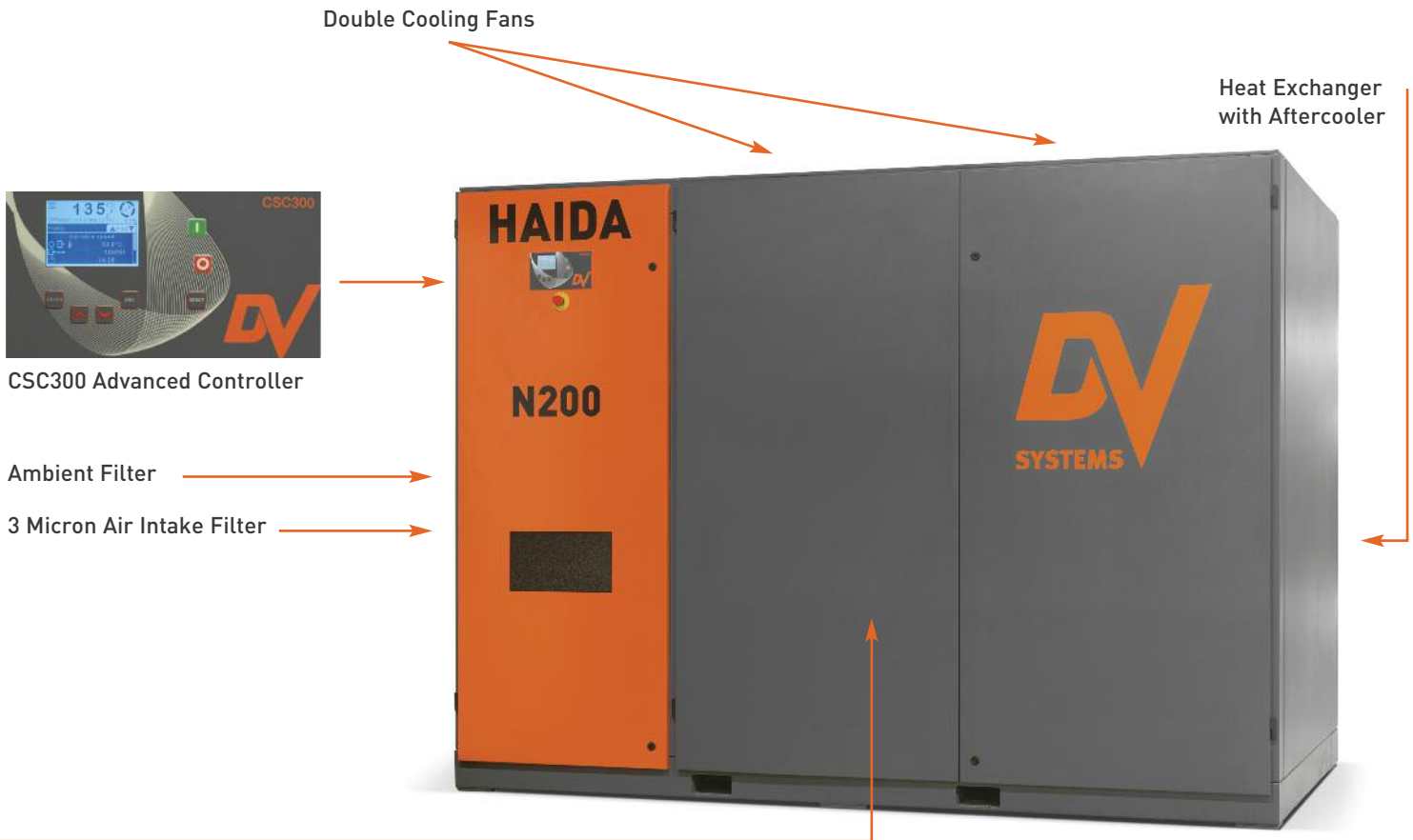
#### Oversized Air End

3540 RPM

#### Safe an Reliable

Line Reactor, EMC Filter & Main Line Fuses

#### 5 Year Limited Warranty



**INTEGRATED AIR AFTER-COOLER,  
OIL COOLER & DOUBLE COOLING FANS**

The overall unique, integrated system design & comprehensive cooling configuration, including a dual-function air after-cooler & oil cooler and double cooling fans, contributes to the production of discharge air temperatures as low as 15 degrees above ambient – reducing energy consumed by air dryers, promoting system reliability and extending an air-receiver’s life.

**SOLID & SILENT**

Engineered to effectively minimize noise levels: 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.

**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.



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## ROTARY SCREW AIR COMPRESSOR

Model	HP	Sound	S.C.F.M.			Dimensions (inches)			Weight (lbs)
		Nominal	100 psi	125 psi	145psi	Height	Width	Depth	
N200VSD	200	79 dBA	926	901	848	80"	113 1/2"	62"	8330

### 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.

### ACCESSORIES

DV Systems provides a comprehensive range of compressed air treatment products and compressed air system accessories, including dryers, filters, separators, air receivers, ETC oil-free converters & ecocentre air compressor management systems.

### SPECIFICATIONS

#### PERFORMANCE

**Power** 200 HP

#### ELECTRICAL

**Premium-Efficiency TEFC Industrial Motor**

**Motor RPM** 3540

**Three Phase** 475V/210 & 575V/200A, 60Hz

#### CONFIGURATIONS

**BASE MOUNTED** N200VSD



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