

0.5, 0.75, 1, 1.5 & 2HP



HVAC SERIES 0.5HP / 0.75HP / 1HP / 1.5HP / 2HP HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

- › **Specifically Designed for HVAC Systems**
Assists in Delivering Clean, Cool, Dry Air, Reliably
- › **Rugged & Reliable**
Ideal for Demanding 24 Hour Commercial Applications
- › **Pressure-Lubricated, Cast-Iron Construction with Low RPM**
Long Lasting Operation with Minimal Oil Carry-Over
- › **7 Year Limited Warranty**
Rugged Construction & Long Life



DV Systems. Built Better.



HVAC SERIES AIR SYSTEMS

0.5HP / 0.75HP / 1HP / 1.5HP / 2HP

HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

Specifically designed for HVAC applications, the heavy duty industrial HVAC Series with appropriate air treatment is ideal for powering pneumatic HVAC systems reliably, delivering clean, cool, dry air. The air-cooled, pressure-lubricated, reciprocating HDI HVAC series is engineered to provide a heavy-duty, durable and dependable air compressor built to withstand the most demanding commercial environments.

The HVAC Series is equipped with 1-Stage, 1-Cylinder (123) or 2-Cylinder (223) cast-iron compressor pumps, high-efficiency, industrial grade ODP motors, and available in simplex & duplex configurations, providing continuous-use, 24/7, reliable operation*.

Cast-iron construction & low RPM enhance heat dissipation and the pressure lubrication process ensures oil is delivered to journal bearings and all necessary components, minimizing oil carry-over and friction, promoting the delivery of clean air for system reliability & efficiency.

*Application requires a properly sized air compressor. Get in touch with a DV Systems specialist to optimize your installation.

Configurations

Available in **Simplex & Duplex**

- › **BASIC** Pump, ODP Motor & Receiver
- › **MS** Magnetic Starter & Alternator Relay
- › **ACP** Alternator Control Panel



HIGHLIGHTS

Cast Iron Construction, Low RPM

Solid Cast-Iron Head, Cylinders & Crankcase enhances heat dissipation and enables low distortion, long-lasting, reliable operation.

Controlled Lubrication

The pressure lubrication process provides controlled lubrication to all critical areas by means of oil ring pickup, minimizing oil carry-over & friction.

Precision-Machined Cylinders

All cylinders are precision honed and machined to exact tolerances, reducing wear and friction.

Smooth, Free-Running Operation

Balanced crankshafts and precision ground journals, combined with heavy-duty ball-type main bearings, provide smooth, free-running operation.

Balanced Fan-Type Flywheel

Dynamically balanced, Airfoil-Type Flywheels provide a continuous flow of cooling air over all parts of the compressor.

Cool, Low-Maintenance Operation

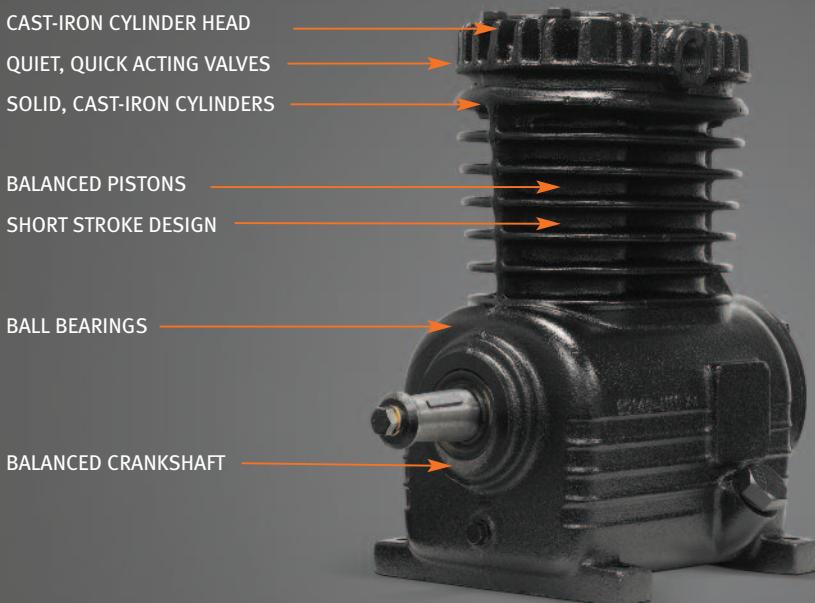
Short stroke load matched pistons, combined with high quality alloy steel disc-type valves permit cool operation and maintenance-free service.

7 Year Limited Warranty

Rugged construction and long life allows DV Systems to confidently offer an unprecedented 7 year warranty.

123/ 223 Compressor Pumps

The Single Stage, Single Cylinder 123 & Two Cylinder 223 Compressor Pumps Feature Cast-Iron Construction & Slow RPM, Making Them Ideal for Demanding Industrial Environments.



Manufactured in Canada

All Moving Components of the 123/223 Are Machined, Honed, Balanced & Assembled in our Factory Located in Barrie, Ontario, Canada.



AIR TREATMENT

Delivering Clean, Cool, Dry Air

Compressed air quality is critical in maintaining an effective, efficient & properly operating pneumatically-controlled HVAC system. An air dryer with proper filtration ensures the delivery of cool, clean, dry compressed air, promoting HVAC system efficiency and reliable 24 hour system operation.

PRODRY ASD AIR DRYERS

Delivering Dry, Cool Compressed Air

ProDry ASD Refrigerated Standard Air Dryers are microprocessor controlled, featuring an energy-efficient variable speed fan, a two-way heat-exchanger and LCD controller ensuring a stable dew-point temperature and efficient operation.



FILTRATION

Delivering Clean Compressed Air

DV Systems' comprehensive line of filters effectively remove up to 99.9% of impurities, such as oil aerosols and small particles of dust, enhancing system performance and reducing downtime.



Featuring bayonet-type mounting, heavy gauge Aluminum Filter Housings are engineered for easy assembly and disassembly, simplifying filter change-over and maintenance.

AUTOMATIC DRAIN VALVES

An automatic pneumatic/electronic drain valve discharges any potential condensate from an air receiver tank regularly, optimizing system performance & reliability.

ELECTRONIC ZERO LOSS AUTO DRAIN KK-9860

Electromagnetically operated drain valve employs a sensor that constantly monitors condensate levels, automatically discharging the accumulated condensate when registered at full capacity.



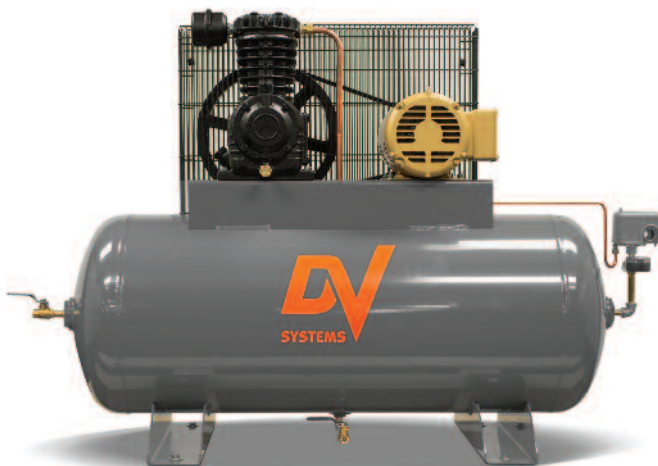
- › No Loss of Compressed Air
- › Non-Corrosive Housing
- › Compact Design
- › Two-Way Input Connection Ports
- › Continuously Measures the Presence of Condensate
- › Warning LED Light

[MS] MAGNETIC STARTERS & ALTERNATOR RELAY

Features the basic simplex/duplex + 1 or 2 definite purpose magnetic starters & alternator relay. The magnetic starters and alternator relay act as a simple alternator, enabling each pump & motor combination to start alternately.

[ACP] ALTERNATOR CONTROL PANEL

An advanced alternator option enabling each pump & motor combination to start alternately, providing reliable, continuous-Use, 24/7 operation. If the active pump & motor cannot deliver the desired demand, the secondary pump & motor is automatically enlisted.



[BASIC] SIMPLEX

Features a cast-Iron compressor pump, high-efficiency North American made open drip proof [ODP] motor, & an air receiver.



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HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

› SIMPLEX MODELS

HDI MODEL	HP	PUMP	RPM	TANK	DELIVERY SCFM	Height	Width	Depth	WEIGHT
UDJ-5031	1/2	123	445	30 GAL	2.0 @ 100 PSI	37"	49"	19"	227
UDK-5031	3/4	123	695	30 GAL	3.0 @ 100 PSI	37"	49"	19"	231
UDL-5031	1	123	890	30 GAL	3.9 @ 100 PSI	37"	49"	19"	237
UDL-5032	1	223	445	30 GAL	3.7 @ 100 PSI	37"	49"	19"	400
UDM-5032	1 1/2	223	695	30 GAL	5.6 @ 100 PSI	37"	49"	19"	416
UDN-5032	2	223	890	30 GAL	7.0 @ 125 PSI	37"	49"	19"	435

› DUPLEX MODELS

HDI MODEL	HP	PUMP	RPM	TANK	DELIVERY SCFM	Height	Width	Depth	WEIGHT
UDJ-5542	1/2	123	445	60 GAL	2 x 2.0 @ 100 PSI	46"	57"	21"	446
UDK-5542	3/4	123	695	60 GAL	2 x 3.0 @ 100 PSI	46"	57"	21"	447
UDL-5541	1	123	890	60 GAL	2 x 3.9 @ 100 PSI	46"	57"	21"	454
UDL-5542	1	223	445	60 GAL	2 x 3.7 @ 100 PSI	46"	57"	21"	504
UDM-5542	1 1/2	223	695	60 GAL	2 x 5.6 @ 100 PSI	46"	57"	21"	507
UDN-5542	2	223	890	60 GAL	2 x 7.0 @ 125 PSI	46"	57"	21"	517

Delivery for 3-phase electrics. For single phase use 0.8 multiplier.

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.

FOR MORE INFORMATION VISIT DVCOMPRESSORS.COM

DISTRIBUTED BY:

› HDI SPECIFICATIONS

PERFORMANCE

Power 0.5 - 2 HP

Delivery 2 - 7 SCFM (Duplex x 2)

Technology Centrifugal Force Pressure Lubrication

ELECTRICAL

Industrial Grade Motor ODP (Open Drip Proof)

Motor RPM 1750 RPM

COMPRESSOR PUMP DATA

123 & 223 Pump

Cylinder 1 or 2

Single Stage

Speed 445 - 890 RPM

CONFIGURATIONS

Simplex and Duplex

Basic, MS and ACP

Tank Mounted and Base Mounted

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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