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## HDI SERIES DUPLEX 5HP / 7.5HP / 10HP / 15HP RECIPROCATING AIR COMPRESSORS

- › **Rugged & Reliable**  
Ideal for Demanding Industrial Environments
- › **Pressure-Lubricated, Cast-Iron Pumps**  
High Duty Cycle Operation
- › **Slow Compressor Pump RPM**  
Long-Lasting Operation
- › **Deep-Finned Cast-Iron Castings**  
Enhance Heat Dissipation
- › **7 Year Limited Warranty**  
Rugged Construction & Long Life



DV Systems. Built Better.



# HDI SERIES DUPLEX 5HP / 7.5HP / 10HP / 15HP RECIPROCATING AIR COMPRESSORS

The **air-cooled, pressure-lubricated, reciprocating heavy duty industrial series** is engineered to provide a heavy-duty, durable and dependable air compressor built to withstand the most demanding industrial environments.

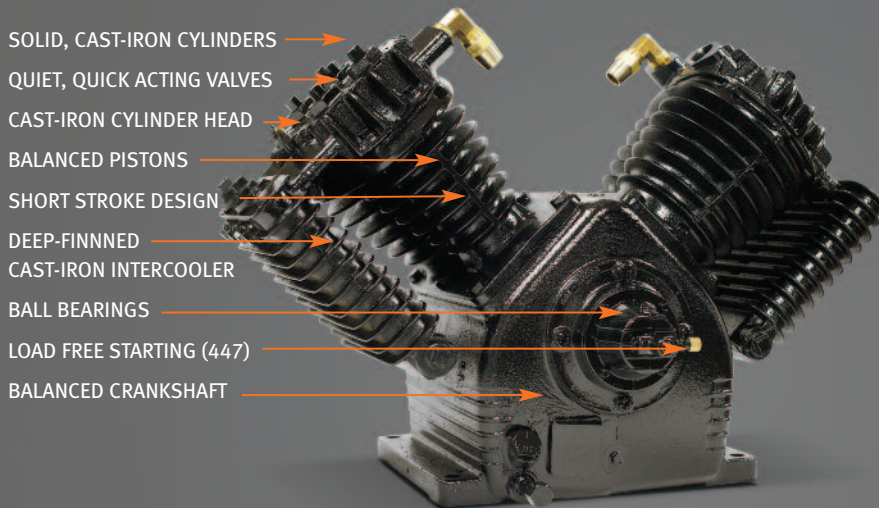
Duplex units are equipped with 2-Stage, 2-Cylinder 247 [5HP & 7.5HP] or 4-Cylinder 447 [10HP & 15HP] cast-iron compressor pumps, 2 ODP motors, and 2 optional magnetic starters with an alternator relay, or an optional alternating control panel [ACP] providing reliable, continuous-use, 24/7 operation.

## Available in 4 Configurations

- [BASIC] Duplex
- [MS] Magnetic Starter & Alternator Relay
- [XL] MS Configuration + Low Oil Level Shutdown Monitors / Switches & Pneumatic Auto Drain
- [ACP] Alternator Control Panel

## 247/ 447 Compressor Pumps

The Two Stage, Two Cylinder 247 & Two Stage, Four Cylinder 447 Compressor Pumps Feature Cast-Iron Construction & Slow RPM, Making Them Ideal for Demanding Industrial Environments.



## Manufactured in Canada

All Moving Components of the 247/447 Are Machined, Honed, Balanced & Assembled in our Factory Located in Barrie, Ontario, Canada.



## HIGHLIGHTS

### Built-In Back-Up System

Duplex system provides reliable, continuous-use operation.

### Cast-Iron Construction with Low RPM

Solid cast-iron cylinders, head & crankcase enhances heat dissipation and enables low-distortion, long lasting, reliable operation.

### Proprietary Pressure Lubrication

Ensures oil is delivered to journal bearings and all necessary components, minimizing oil carry-over & friction.

### Deep-Finned, Cast-Iron Inter-Cooler

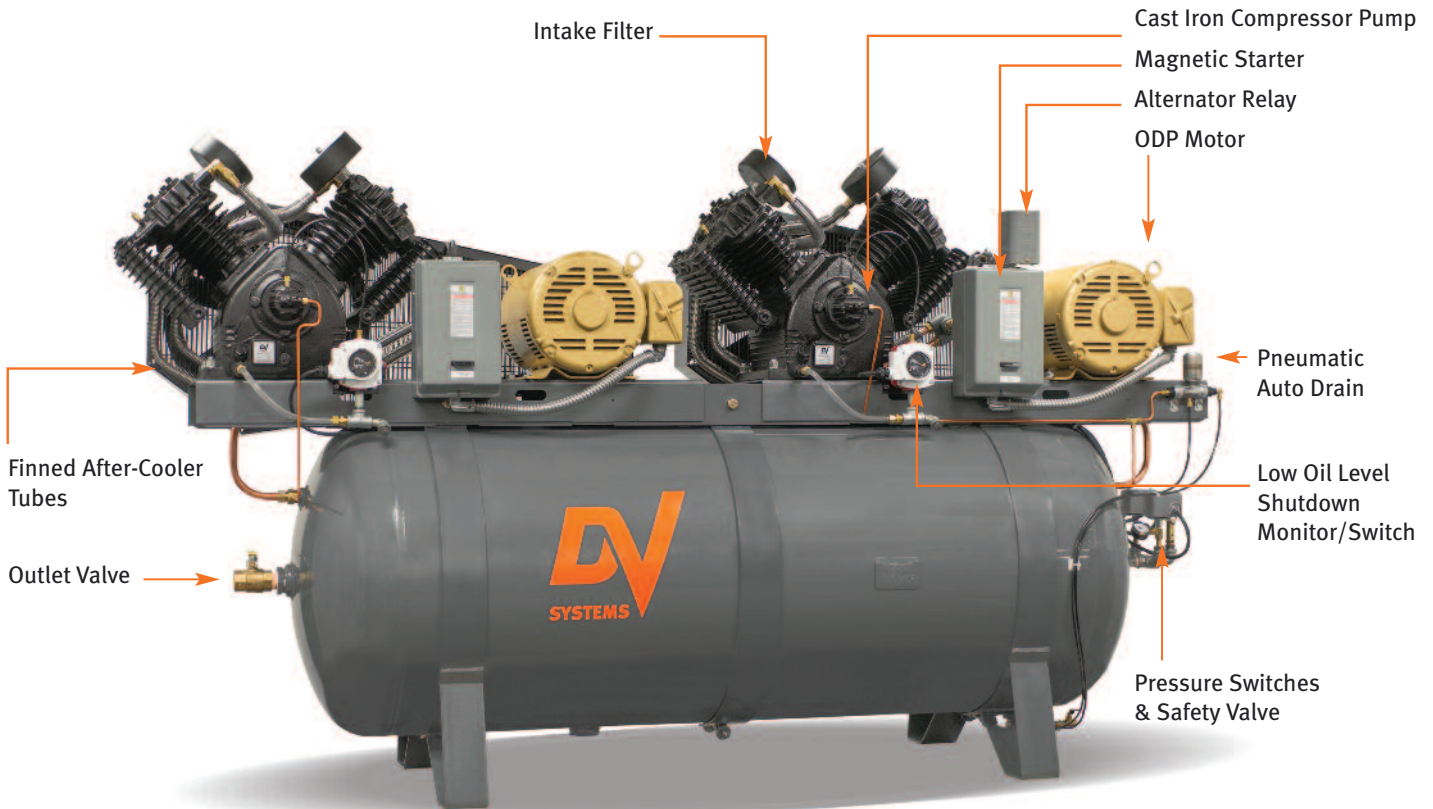
Enhances heat dissipation.

### Made in Canada

DV Systems industrial air compressors are manufactured in our factory located in Barrie, Ontario, Canada.

### 7 Year Limited Warranty

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



**MAGNETIC STARTERS & ALTERNATOR RELAY WITH LOW OIL LEVEL SHUTDOWN MONITORS & AUTO DRAIN PACKAGE [XL]**

Features the basic duplex + two definite purpose magnetic starters & alternator relay, two low oil level shutdown monitors / switches & pneumatic auto drain.

The magnetic starters & alternator relay act as a simple alternator, enabling each pump & motor combination to start alternately.

**MAGNETIC STARTERS & ALTERNATOR RELAY PACKAGE [MS]**

Features the basic duplex + two definite purpose magnetic starters & alternator relay. The magnetic starters & alternator relay act as a simple alternator, enabling each pump & motor combination to start alternately.

**ALTERNATOR CONTROL PANEL [ACP]**

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.

The ACP configuration includes the Duplex compressor + An alternator control panel driven by a logic relay preloaded with an alternating program.

**DUPLEX - BASIC PACKAGE**

Features two cast-Iron compressor pumps, two high-efficiency North American made open drip proof [ODP] motors, and an air receiver.





# HDI SERIES DUPLEX 5HP / 7.5HP / 10HP / 15HP RECIPROCATING AIR COMPRESSORS

## 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

**Air-Cooled, Centrifugal Force Pressure Lubrication**

**Power** 5HP / 7.5HP / 10HP / 15HP

**Delivery** 19.8 SCFM to 52.1 SCFM @ 150 psi ( x2 )

### ELECTRICAL

High Efficiency Open Drip Proof ( ODP ) North American Made Industrial Electric Motor

### COMPRESSOR PUMP DATA

**247 ( 5HP & 7.5HP )** 2 Stage, 2-Cylinder

**447 PUMP ( 10HP & 15HP )** 2 Stage, 4-Cylinder

**DRIVE** 2-B Section V-Belt

**SPEED** 635 RPM ( 5HP ), 800 RPM ( 7.5HP ),

590 RPM ( 10HP ), 880 RPM ( 15HP )

### CONFIGURATIONS

**XL** MS Configuration + Low Oil Level Shutdown Monitors / Switches & Pneumatic Auto Drain

**MS** Magnetic Starters & Alternator Relay

**ACP** Alternator Control Panel

**Basic**

## > AVAILABLE MODELS

MODEL	HP	TANK	SCFM 150 PSI	PUMP	PUMP RPM	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
TAP-5562	5	120 Horiz.	2 x 19.8	2 x 247	635	54 3/4"	81 1/2"	26 1/2"	1073
TAS-5562	7.5	120 Horiz.	2 x 25.9	2 x 247	800	54 3/4"	81 1/2"	26 1/2"	1103
VAT-5583	10	240 Horiz.	2 x 36.8	2 x 447	590	62 1/2"	107 3/4"	30 3/4"	1940
VAV-5582	15	240 Horiz.	2 x 52.1	2 x 447	880	62 1/2"	107 3/4"	30 3/4"	2074

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

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