

5 7.5
10
& 15



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

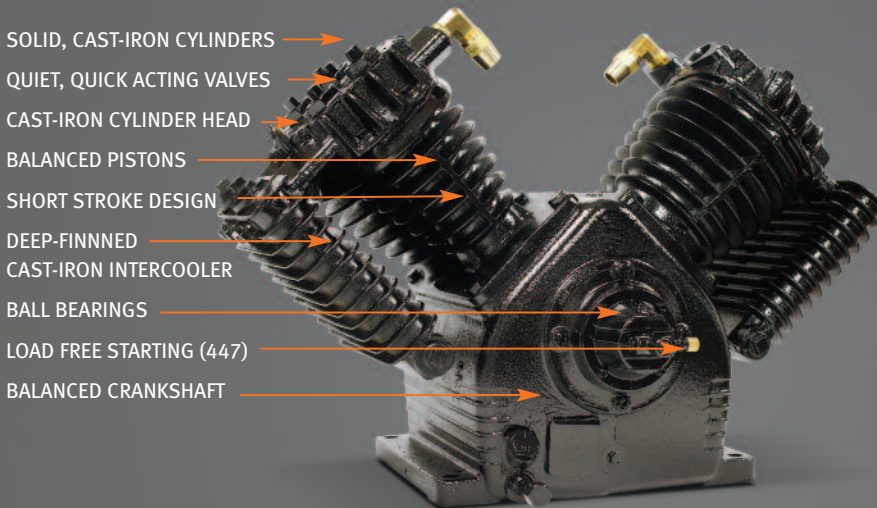
[MS] Magnetic Starter & Alternator Relay

[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

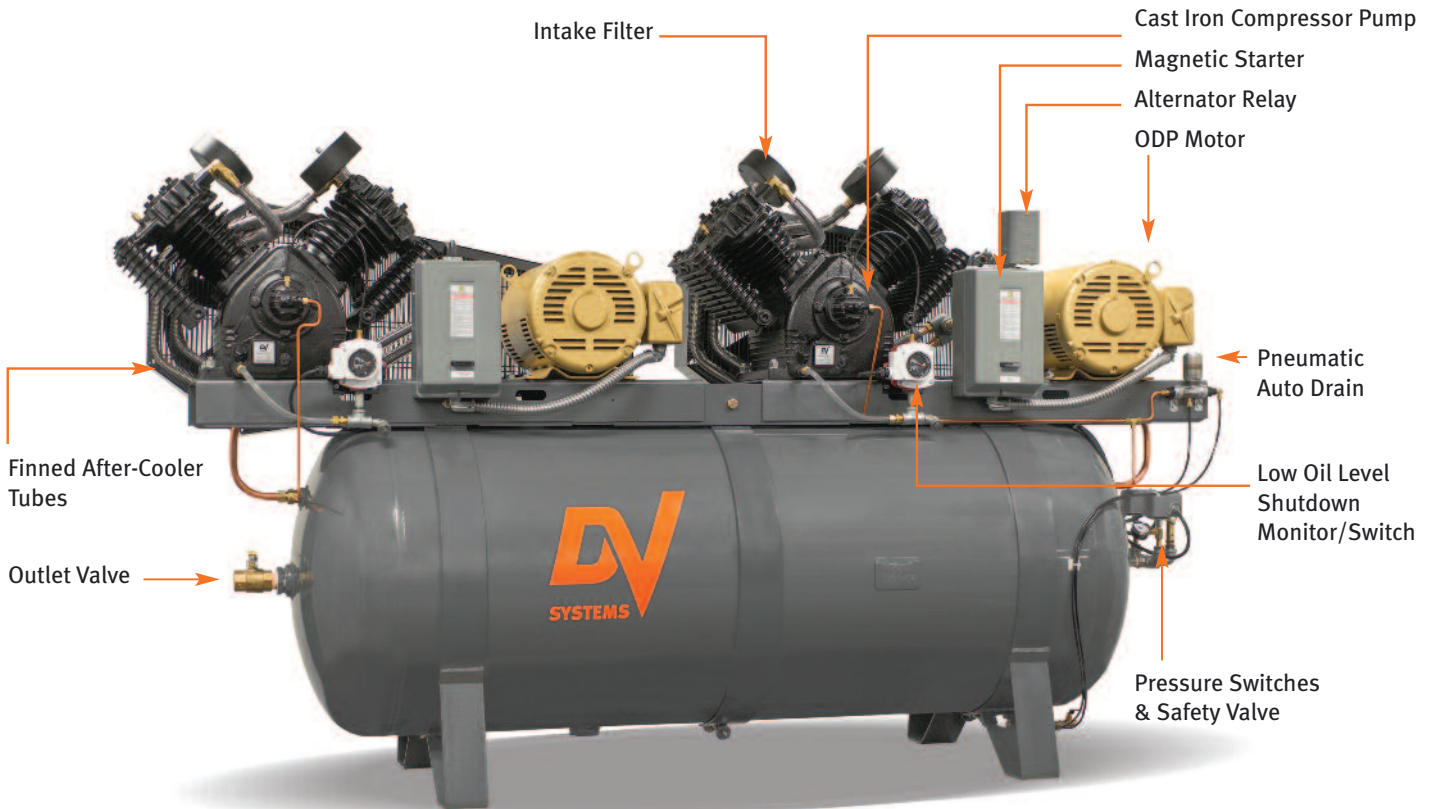
Enhances heat dissipation.

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 STILESMACHINERY.COM

DISTRIBUTED BY:

stiles e-tech
Enhancement Technologies

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.



For information, contact Stiles Enhancement Technologies
616.698.7500 | E-tech@stilesmachinery.com

