

**industry** revolves around **hydrovane**

## Rotary Vane Air Compressors

HR | HRRS | V | VR | HV | HVRS Series & hypac



# ROTARY VANE COMPRESSORS FOR INDUSTRY

## 60 Hz Rotary Vane Air Compressors

**5-60  
HP**

Fixed Speed  
Regulated Speed  
Open or Enclosed Formats

### hydrovane. Our business

hydrovane has manufactured over 850,000 compressors to date and they can be found throughout all sectors of industry, with specialist solutions within transit, gas and snow. In fact they are the perfect solution to meet your requirements for reliable, high quality compressed air or gas.

hydrovane's principle global manufacturing and distribution center is based at Redditch in the UK. The hydrovane management system conforms to BS EN ISO 9001: 2008, ensuring the manufacture of first class compressors. For over 50 years hydrovane has been a market leader in rotary sliding vane compressors, which are proven to be:

### Reliable

- Up to 100,000+ operating hours due to its simple integral design
- Delivering quality pulse free air with automatic regulation
- Low speed, direct drive, minimal stresses and no roller bearings to replace.

### Versatile

- Quiet in operation and can be located at the point of use
- Air intake modulation produces only the air you require
- Complete packages or separate air ends
- Open and enclosed formats.

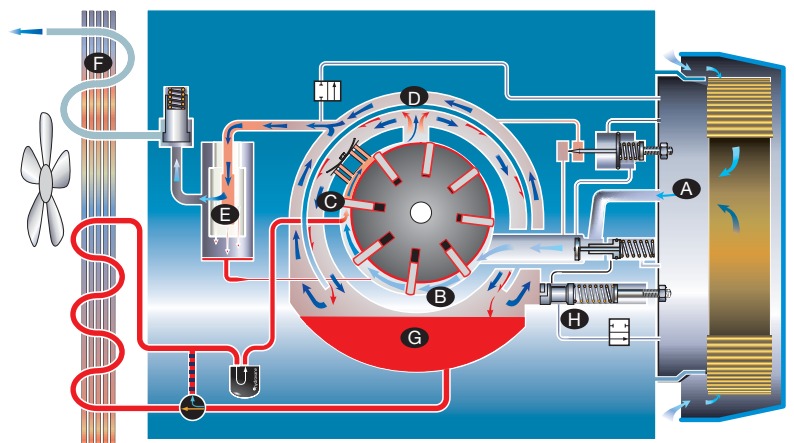
### Powerful and Cost Effective

- Energy Saving Regulated Speed models
- Reduced Energy Venting System (REVS) for lower off-load power consumption
- Easy and cost competitive maintenance
- 10 year Platinum™ extended warranty program.



## The hydrovane principle

- A Air is drawn in through the intake valve.
- B Air is contained between the rotor and the stator wall.
- C Air is compressed by decreasing volume. Oil is continually injected to cool, seal and lubricate.
- D High pressure air passes into the primary oil separator.
- E Remaining traces of oil are removed in a final separator element, providing high quality air.
- F System air passes through the aftercooler, removing most of the condensate.
- G Oil is circulated by differential internal air pressure. It passes through an air-blast oil cooler and filter before being returned into the compressor.
- H Air flow is regulated by an inbuilt modulation system.



View video at: [www.hydrovaneproducts.com/why\\_hydrovane](http://www.hydrovaneproducts.com/why_hydrovane)

# THE HYDROVANE ADVANTAGES

Our compressors' features are ultimately your benefits

## Long life and reliability by design

Proven, simple and long-lasting technology with fewer moving parts, allowing up to 100,000+ operating hours being achieved with no expensive Air End change or refurbishment, when correctly serviced with genuine parts and lubricants. **Proven solutions for more challenging conditions.**

## Quiet as standard

With noise levels as low as 62 dB(A), even in an open format. **A hydrovane can be located at the point of use.**

## Slow Speed

All hydrovane Fixed Speed models operate at a slow 1760 rpm. Even hydrovane Regulated Speed models operate from only 880 to 2220 rpm.\* **Slow speed operation results in low noise, low stresses and long life.**

## High quality air

hydrovane compressed air is clean, dry and pulse free straight from the outlet, with no receiver required as standard. Oil carryover (OCO) is typically less than 3 ppm. **Less downstream equipment required.**

## Small Footprint

The entire range of hydrovane products provides the smallest footprint of any rotary compressor. All enclosed units fit through a standard 36" door.

## Direct drive

No gears and no belts mean fewer components to maintain, fail or replace, and no power loss. **Maximizing energy consumption.**

## Intake modulation control

With automatic regulation, a hydrovane only compresses the air demanded by the system.

**No wasteful overproduction of air.**

## Ease of maintenance

Common replacement items such as air/oil separators and oil filters are all 'spin-off/spin-on'.\* **Delivering quick, cost effective servicing, with minimal downtime.**

## Reduced Energy Venting System (REVS)

Solenoid control rapidly vents the internal pressure to 2 bar; reducing off-load power to as low as 20% as well as lowering the starting current.\* **Reducing energy consumption.**

## Regulated Speed (RS) Energy Efficiency

Regulated Speed compressor models are available,\* where air output exactly matches the demand, utilizing proven air cooled inverter technology. **Typically delivering energy savings of 30 - 50% annually.**

Our Compressor  
Technology WEARS IN

NOT  
OUT!



### Electronic control - hydrovane Pro Controller

This new control system continuously monitors the operational parameters of the compressor, incorporates MODBUS as standard and has the capacity to have programmable inputs and outputs for increased control of ancillary equipment. **Offering the customer total control, greater connectivity and flexibility.\***

### No roller bearings

hydrovane uses white metal bearings instead of roller bearings, ensuring long life. **No replacements and reduced maintenance costs.**

### Package Options

Power ranges 2 hp to 10 hp available in an economical open style package. Power ranges 5 hp to 60 hp available in enclosed style package which offer a smaller relative size footprint. **Probably the most versatile range of compressor on the market.**

### Performance improvement

A hydrovane's performance improves over time once parts are bedded-in within the rotor stator unit resulting from standard operation. **Reducing power consumption and energy costs.**

### Market leading warranty

Up to 10 years or 48,000 operating hours\*\* is available to protect your investment. **Total peace of mind.**

\* Model dependent \*\* Subject to Terms and Conditions



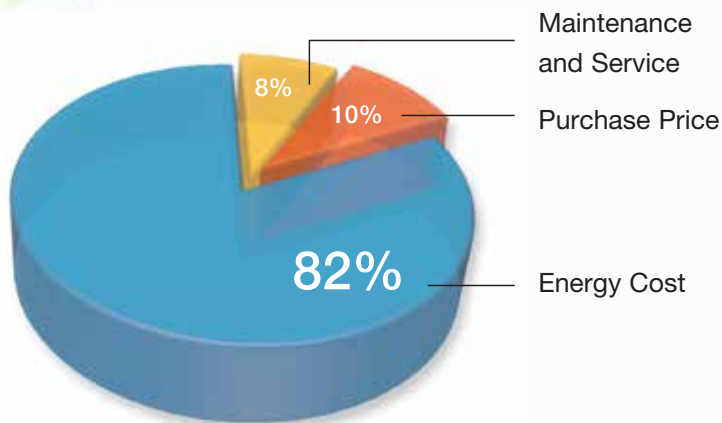
# ENERGY SAVING

## hydrovane leads from the front

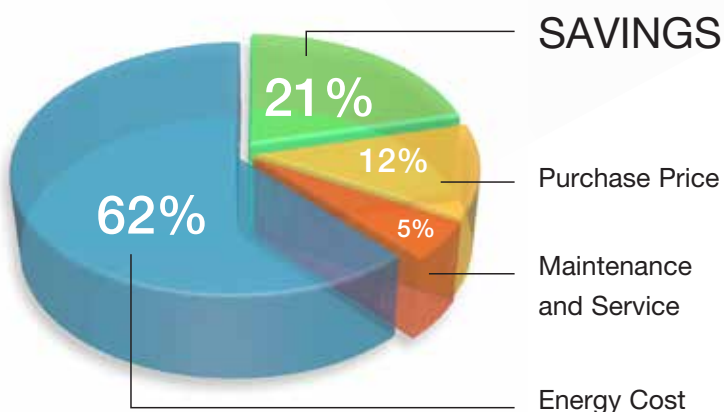
The reduction of energy wastage and ultimately energy costs is an increasing priority for every business within every market sector on a global basis. To help achieve this objective, hydrovane offers a comprehensive range of Regulated Speed compressors.

## REDUCE

The cost of ownership and minimize your energy consumption!



Typical fixed speed compressor



Equivalent regulated speed compressor

### hydrovane Regulated Speed (RS) Compressors

Regulated speed enclosed compressors from hydrovane (10 to 60 hp) can efficiently and reliably meet the varying air demand found in the majority of air systems, by automatically controlling air output to meet your exact requirements. The right regulated speed compressor in the right application delivers significant energy savings and a stable air supply at a constant pressure. Most air systems operate between 50% and 75% of full load capacity.

hydrovane Regulated Speed compressors can reduce your energy bills by up to 50% with a typical payback in 3 years.\*



## Government Subsidies

As global energy costs continue to rise, many governments are introducing plans to reward moves towards energy saving and greener technologies. Please contact your local government department or local authorised hydrovane distributor for information on what schemes are available in your territory.



## How does a hydrovane RS compressor save energy?

- RS control ensures optimum load conditions throughout the speed range
  - Delivering maximum efficiency
- Air intake modulation at minimum speed delivers further energy savings
  - To match the reducing air demand
- In-built Reduced Energy Venting System (REVS)
  - Improved part-load and off-load performance
- Optimized motor, drive and air end (6 to 10 bar\*)
  - Proven air cooled inverter drive
  - High efficiency across a broad flow range
  - Substantial energy savings delivered.

## Reduced Energy Venting System (REVS) Inside

REVS is a pneumatic system that reduces the internal compressor pressure to 2 bar\*\*\*, when the air demand reduces to zero (off-load), reducing energy consumption to as low as 20%. Air is instantly available at anytime during this venting period. Motor power is also reduced on re-start, as the intake valve is closed during the start sequence. REVS is standard on all Fixed and Regulated Speed compressors (ACE and PEAS).

## Air System Energy Review

Please contact your local authorised hydrovane distributor for an Air System Energy Review and Data Logging.

# THE INDUSTRIAL SECTORS WE SERVE

## Proven Applications

hydrovane provides versatile energy efficient air and gas compression within a wide range of industries, covering numerous applications:

### > Automotive and Garage

- Tire inflation
- Product finishing
- Air operated robots
- Plasma cutting and welding
- Air tools
- Paint shops
- Breathing air

### > Construction

- Fluidization of product
  - Reverse jet cleaning
- Shot blasting
- Pneumatic drilling, ramming or piling machines
- Concrete conveying or spraying
- Air conditioning
- Air operated tools
- Ventilation systems
- Blasting

### > Energy (Including Gas)

- Gas boosting for micro turbines
- Air operated process equipment
- Process
- Cooling
- Air operated pumps
- Filter cleaning
- Pipe pigging
- Cleaning
- Wind generation
- Control valves
- Raw material handling
- Conveying
- Filtration cleaning

### > Entertainment and Leisure

- Water fountains
- Public pools
- Theme park rides
- Simulators

### > Farm and Agriculture

- Milk production
- Farm equipment
- Conveying

### Food and Beverage

- Packaging
- Product handling
- Food filling machines
- Fluid pumps
- Nitrogen generation
- Air knives

### > Manufacturing

- Aluminium and steel processing plants
- Air operated tools
- Spray finishing equipment
- Air operating lifting equipment
- Shot blasting
- Cooling and heating
- Cleaning
- Welding equipment

### > Marine

- Breathing air
- Nitrogen generation
- Air tools
- Air grinder
- Paint spraying equipment
  - Ballast water purification
- Dock loading equipment
- Chemical tankers.

### > Medical and Dental

- Air driven medical tools
- Breathing air
- Sterilization equipment
- Laboratory applications
- Dentists
- Air separation

### > Military

- Mobile tire inflation
- Simulators
- Shooting range targets
- Mobile tank cannon cleaning

### > Pharmaceutical

- Process air
- Control valves and cylinders
- Material handling
- Nitrogen generation
- Air curtains
- Product drying

### > Snow

- Snow making





## > Special Applications

Aluminium smelting plant  
gantry crane  
Cement batching plant  
Water industry – purity  
control  
Dentistry  
Food packaging  
Farming  
Construction  
Shipboard  
Low duty usage  
Duplex configurations  
Mobile motor racing – tire  
inflation, etc

## > Transit

Main Line and Light Rail  
Trains, Underground  
Trains, Shunters, Trams,  
Metros and Hybrid/  
Electric Buses

Air braking systems  
Air operated doors  
Suspension systems  
Floor levelling systems  
Pantographs  
Claxons (horns)  
Wipers

## > Utility Services

Fiber optic cable blowing  
Sewage plant flow control  
and air oxidation  
Water purification and  
oxidation  
Landfill sites



Please visit our website for a comprehensive listing of applications  
by industrial sector at [www.hydrovaneproducts.com](http://www.hydrovaneproducts.com)

## V Series:

The V Series range of compressors is engineered to meet the most stringent of specifications. Their compact, simple, robust and integrated design allows them to be fitted anywhere undercover. They are easy to install and maintain as well as extremely quiet. The V Series is available in either tripod or tank mounted versions. They are designed for a wide variety of applications including automobile, car body shops, wood working, dentistry, laundry, packaging and machine tools.

### Specification Overview:

- 2–10 hp
- Less than 3 ppm Oil Carryover
- Available as a Simplex or Duplex tank mounted unit
- HOA switch and hour meter
- Slow Speed: 1760 rpm (60 Hz)
- 100% Duty Cycle
- Continuous Run or Start/Stop
- TEFC Motor
- Direct Drive
- Standard 2 year warranty
- Industry Leading Platinum 10 year warranty available



## VR Series:

The VR Series range of compressors is engineered to meet the most stringent of specifications. Their compact, simple, robust and integrated design allows them to be fitted anywhere undercover. They are easy to install and maintain as well as extremely quiet. They are designed for a wide variety of applications including automobile, car body shops, wood working, dentistry, laundry, packaging and machine tools.

### Specification Overview:

- 7.5–10 hp
- Less than 3 ppm Oil Carryover
- Available as a Simplex or Duplex tank mounted unit
- HOA switch and hour meter
- Slow Speed: 1760 rpm (60 Hz)
- 100% Duty Cycle
- Continuous Run or Start/Stop
- TEFC Motor
- Direct Drive
- Standard 2 year warranty
- Industry Leading Platinum 10 year warranty available



## HR Series:

### Fixed Speed Vertical

The 5–10HP HR Series hydrovane compressors are an extension, at low HP, of the well-established, robust HR Series hydrovane compressors. These rotary sliding vane compressors are reliable, versatile and cost effective.

- Direct Drive
- 5, 7.5 and 10HP
- Slow Speed 1760 RPM
- SMART SERVO Energy Reduction System
- IP55 TEFC Motor
- Small Footprint
- Quiet Enclosed
- Hydrovane Pro Microprocessor Controller
- Three Phase
- Base or Tank Mount Options



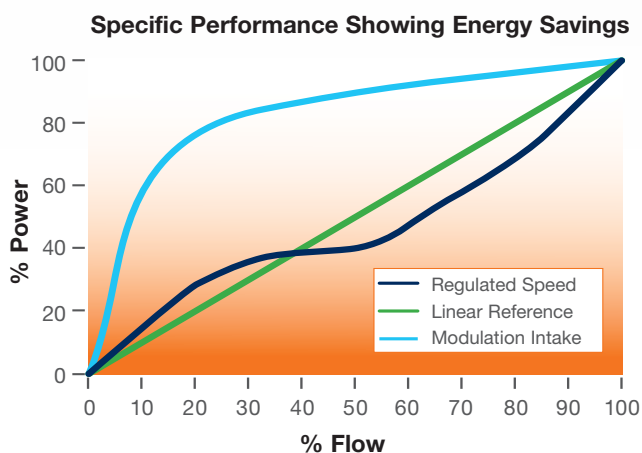
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## HV Series: Fixed Speed Vertical

From 15–60 hp, the HV Series is the heart of the hydrovane compressor line. No other rotary compressor provides the flexibility and reliability of the HV Series.

- Direct Drive
- Slow Speed 1760 RPM
- IP55 Electric Motor (TEFC)
- Low Noise
- Small Footprint
- Less than 3 ppm Oil Carryover
- IP21 Electrical Enclosure
- Moisture Separator (Ships Loose)
- Advanced Electronic Controller
- Reduced Energy Venting System (REVS)
- HV11–HV45: 115 std. or 150 PSIG
- Standard 1 Year Warranty
- Platinum 10 Year Warranty Available



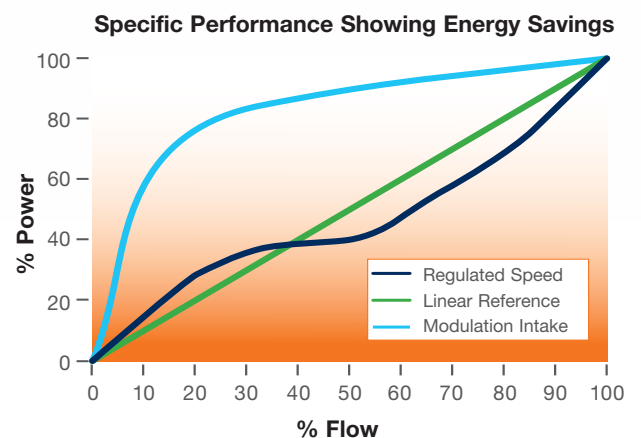
|                              | hydrovane   | Rotary Screw |              |              |
|------------------------------|-------------|--------------|--------------|--------------|
| Model                        | HV22        | Competitor A | Competitor B | Competitor C |
| hp                           | 30          | 30           | 30           | 30           |
| Pressure                     | 150         | 150          | 150          | 150          |
| kw/100 CFM                   | 21.5        | 25.1         | 22.8         | 24.5         |
| Drive                        | Direct      | Belt         | Belt         | Direct       |
| Airend RPM                   | 1760        | 3682         | 1800         | 3600         |
| Motor RPM                    | 1760        | 3550         | 1800         | 3600         |
| Standard Motor               | IP54 (TEFC) | ODP          | TEFC         | ODP          |
| Footprint (ft <sup>2</sup> ) | 6.4         | 10.0         | 13.3         | 12.9         |



## HV RS Series: Regulated Speed

Most air installations operate between 40% and 75% of full load capacity. A savings of 50% or more in energy costs can be achieved by supplying only the compressed air needed to meet the air demand. From 15–60 hp, the HV RS Series include all of the features of the fixed speed hydrovane, yet designed to consume the least amount of electricity to meet the air demand.

- Direct Drive
- Slow Speed: 870–2200 RPM
- Low Noise
- Small Footprint
- Built-in EMC Filter
- Line Reactor (Choke) Standard
- Inverter Drive for Efficient VSD Operation
- IP55 Electric Motor (TEFC)
- IP21 Electrical Enclosure
- Moisture Separator (Ships Loose)
- hydrovane Pro Controller
- Reduced Energy Venting System (REVS)
- Less than 3 ppm Oil Carryover
- Standard Air and Oil Cooler
- 87–150 PSIG
- Standard 1 Year Warranty on Package
- Platinum 10 Year Warranty Available

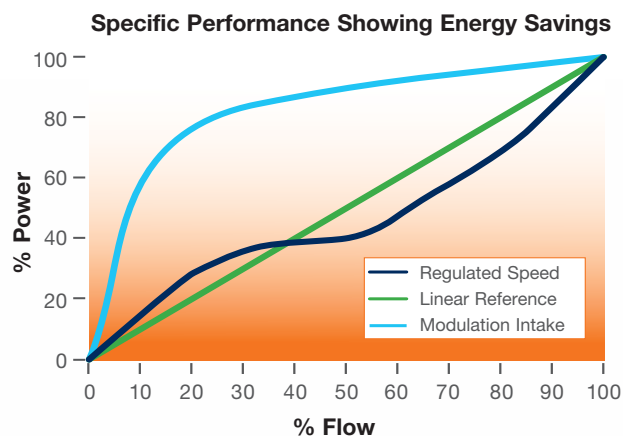


# HR RS Series:

## Regulated Speed

Most air installations operate between 40% and 75% of full load capacity. A savings of 50% or more in energy costs can be achieved by supplying only the compressed air needed to meet the air demand. Available at 10 hp, the HR RS Series includes all of the features of the fixed speed hydrovane, yet is designed to consume the least amount of electricity to meet the air demand.

- Direct Drive
- Slow Speed: 870–2200 RPM
- Low Noise
- Small Footprint
- Built-in EMC Filter
- Line Reactor (Choke) Standard
- Inverter Drive for Efficient VSD Operation
- IP55 Electric Motor (TEFC)
- IP21 Electrical Enclosure
- Moisture Separator (Ships Loose)
- hydrovane Pro Controller
- Reduced Energy Venting System (REVS)
- Less than 3 ppm Oil Carryover
- Standard Air and Oil Cooler
- 87–150 PSIG
- Standard 1 Year Warranty on Package
- Platinum 10 Year Warranty Available



# HR Series: hypac

From 5–10 hp, hypac hydrovane compressors are pre-packaged on a tank or on a tank with a dryer for a complete hassle free, easy to install system.

- 5–10 hp (Fixed Speed)
- 10 hp RS (Regulated Speed)
- 80 Gallon Receiver, 120 or 240 Gallon Option
- 100 or 150 PSIG
- Optional Refrigerated Air Dryer
- Stainless Steel Tubing
- Small Footprint
- Enclosed Forklift Slots
- Standard 1 Year Warranty on Package
- Platinum 10 Year Warranty Available
- hypac with Dryer Includes Standard 3-way Bypass and Integrated Grade B Filter
- Optional Grade E Cold Coalescing Filter





## We Build it. We Trust it. We Stand Behind it.

Every hydrovane is backed with a standard 1-year warranty on the package and 2-year warranty on the airend, providing you with peace of mind when it comes to your system's operation.

### Not Enough?

Take advantage of our 10 year extended warranty program. Simply stated, it's the best plan in the industry.

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# 60 Hz hydrovane Pro Controller

HR04-HR07 (5-10HP) Models  
HV11-HV45 (15-60HP) Models

The simple user friendly hydrovane Pro Controller now comes standard on all Fixed Speed and Regulated Speed enclosed compressors. This new electronic control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters of your compressor. The Pro Controller also has the capability to have programmable inputs and outputs for increased control of ancillary equipment.



## Pro Controller Features

- **Real Time Clock**  
Visibility and removing the need for an external timer
- **Timer Control**  
Start/stop at set times offering flexibility
- **Second Pressure Setting**  
Different pressure setting for low production periods
- **Status Display**  
Words not codes, in multiple languages
- **Group Fault Outputs**  
Forward to an external monitoring device
- **Error Logs**  
Explanation, times and dates
- **Digital Inputs**  
4-digital inputs for external control of ancillary equipment
- **MODBUS R TU**  
RS485 enabled, communication with external interfaces
- **Sequencer Capability** Pro Master 4
- **Flash Programmable** Software upgrades completed on-site



## V Series: Simplex

| hp | kW | Model      | Voltage/Phase                      | Mounting Config. | Tank Style | Tank Cap. (Gal.) | CFM 100 PSIG | CFM 150 PSIG | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Weight (lbs.) | L (in.) | W (in.) | H (in.) | Starter | After cooler |
|----|----|------------|------------------------------------|------------------|------------|------------------|--------------|--------------|-------------------|----------------|----------------|---------------|---------|---------|---------|---------|--------------|
| 2  | 1  | V01PUTS    | 115/208-230 1Ph<br>208-230/460 3Ph | Tripod           | N/A        | N/A              | 6.3          | 4.5          | 65                | .375"          | .50            | 130           | 30      | 11      | 18      | Yes     | No           |
|    |    | V01PURHS-3 | 115/208-230 1Ph<br>208-230/460 3Ph | Tank             | Horiz.     | 30               | 6.3          | 4.5          | 65                | .375"          | .50            | 240           | 41      | 19      | 34      | Yes     | No           |
| 5  | 4  | V04PUTAS   | 208-230 1Ph<br>208-230/460 3Ph     | Tripod           | N/A        | N/A              | 19.5         | 16.0         | 72                | .50"           | .50            | 315           | 42      | 24      | 24      | Yes     | Yes          |
|    |    | V04PURVS-8 | 208-230 1Ph<br>208-230/460 3Ph     | Tank             | Vert.      | 80               | 19.5         | 16.0         | 72                | .50"           | .50            | 570           | 36      | 26      | 66      | Yes     | No           |
|    |    | V04PURHS-8 | 208-230 1Ph<br>208-230/460 3Ph     | Tank             | Horiz.     | 80               | 19.5         | 16.0         | 72                | .50"           | .50            | 425           | 65      | 22      | 40      | Yes     | No           |



## V Series: Duplex

| hp | kW | Model       | Voltage/Phase                  | Mounting Config. | Tank Style | Tank Cap. (Gal.) | CFM 100 PSIG | CFM 150 PSIG | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Weight (lbs.) | L (in.) | W (in.) | H (in.) | Starter | After cooler |
|----|----|-------------|--------------------------------|------------------|------------|------------------|--------------|--------------|-------------------|----------------|----------------|---------------|---------|---------|---------|---------|--------------|
| 5  | 4  | V04PDRHS-12 | 208-230 1Ph<br>208-230/460 3Ph | Tank             | Horiz.     | 120              | 39.0         | 32.0         | 75                | .50"           | 1              | 845           | 72      | 27      | 48      | Yes     | No           |



## VR Series: Simplex

| hp  | kW  | Model     | Voltage/Phase                  | Mounting Config. | Tank Style | Tank Cap. (Gal.) | CFM 100 PSIG | CFM 150 PSIG | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Weight (lbs.) | L (in.) | W (in.) | H (in.) | Starter | After cooler |
|-----|-----|-----------|--------------------------------|------------------|------------|------------------|--------------|--------------|-------------------|----------------|----------------|---------------|---------|---------|---------|---------|--------------|
| 7.5 | 5.5 | VR05PURVS | 208-230 1Ph<br>208-230/460 3Ph | Tank             | Vert.      | 80               | 26.3         | 22.2         | 72                | .50"           | 1              | 695           | 39      | 26      | 69      | Yes     | No           |
|     |     | VR05PURHS | 208-230 1Ph<br>208-230/460 3Ph | Tank             | Horiz.     | 80               | 26.3         | 22.2         | 72                | .50"           | 1              | 550           | 66      | 23      | 43      | Yes     | No           |
| 10  | 7.5 | VR07PURHS | 208-230/460 3Ph                | Tank             | Horiz.     | 80               | 36.4         | 28.7         | 72                | .75"           | 1              | 670           | 66      | 23      | 43      | Yes     | No           |



## VR Series: Duplex

| hp  | kW  | Model     | Voltage/Phase                  | Mounting Config. | Tank Style | Tank Cap. (Gal.) | CFM 100 PSIG | CFM 150 PSIG | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Weight (lbs.) | L (in.) | W (in.) | H (in.) | Starter | After cooler |
|-----|-----|-----------|--------------------------------|------------------|------------|------------------|--------------|--------------|-------------------|----------------|----------------|---------------|---------|---------|---------|---------|--------------|
| 7.5 | 5.5 | VR05PDRHS | 208-230 1Ph<br>208-230/460 3Ph | Tank             | Horiz.     | 120              | 52.6         | 44.4         | 76                | .50"           | 1              | 1210          | 76      | 32      | 50      | Yes     | No           |
| 10  | 7.5 | VR07PDRHS | 208-230/460 3Ph                | Tank             | Horiz.     | 120              | 72.8         | 57.4         | 77                | .75"           | 1              | 1325          | 76      | 32      | 50      | Yes     | No           |



## HR Series: hypac

| hp  | kW | Model  | Voltage/Phase       | Mounting Config. | Tank Style | PSIG             | CFM                  | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Tank Gallon      | Weight (lbs.)        | L x W x H (in.)                              | Starter | After Cooler |
|-----|----|--------|---------------------|------------------|------------|------------------|----------------------|-------------------|----------------|----------------|------------------|----------------------|----------------------------------------------|---------|--------------|
| 5   | 4  | HR04   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 21.3<br>17.7         | 66                | .75"           | 1              | 80<br>120<br>240 | 972<br>1055<br>1365  | 55 x 32 x 72<br>76 x 32 x 72<br>93 x 37 x 78 | Yes     | Yes          |
| 7.5 | 5  | HR05   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 31.9<br>21.5         | 66                | .75"           | 1              | 80<br>120<br>240 | 983<br>1066<br>1376  | 55 x 32 x 72<br>76 x 32 x 72<br>93 x 37 x 78 | Yes     | Yes          |
| 10  | 7  | HR07   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 38.5<br>30.1         | 67                | .75"           | 1              | 80<br>120<br>240 | 1020<br>1103<br>1413 | 55 x 32 x 72<br>76 x 32 x 72<br>93 x 37 x 78 | Yes     | Yes          |
| 10  | 7  | HR07RS | 460 3Ph             | Tank             | Horiz.     | 90<br>115<br>145 | 47.0<br>40.7<br>36.8 | 67                | .75"           | 1              | 80<br>120<br>240 | 1035<br>1118<br>1428 | 55 x 32 x 72<br>76 x 32 x 72<br>93 x 37 x 78 | Yes     | Yes          |



## HR Series: hypac with dryer

| hp  | kW | Model  | Voltage/Phase       | Mounting Config. | Tank Style | PSIG             | CFM                  | Noise Level (dBA) | Air Outlet NPT | Oil Cap. (Gal) | Tank Gallon      | Weight (lbs.)        | L x W x H (in.)                              | Starter | After Cooler |
|-----|----|--------|---------------------|------------------|------------|------------------|----------------------|-------------------|----------------|----------------|------------------|----------------------|----------------------------------------------|---------|--------------|
| 5   | 4  | HR04   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 21.3<br>17.7         | 66                | .75"           | 1              | 80<br>120<br>240 | 1129<br>1212<br>1522 | 58 x 32 x 72<br>71 x 32 x 72<br>88 x 37 x 78 | Yes     | Yes          |
| 7.5 | 5  | HR05   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 31.9<br>21.5         | 66                | .75"           | 1              | 80<br>120<br>240 | 1144<br>1227<br>1537 | 58 x 32 x 72<br>71 x 32 x 72<br>88 x 37 x 78 | Yes     | Yes          |
| 10  | 7  | HR07   | 200-230/460/575 3Ph | Tank             | Horiz.     | 100<br>150       | 38.5<br>30.1         | 67                | .75"           | 1              | 80<br>120<br>240 | 1187<br>1270<br>1580 | 58 x 32 x 72<br>71 x 32 x 72<br>88 x 37 x 78 | Yes     | Yes          |
| 10  | 7  | HR07RS | 460 3Ph             | Tank             | Horiz.     | 90<br>115<br>145 | 47.0<br>40.7<br>36.8 | 67                | .75"           | 1              | 80<br>120<br>240 | 1202<br>1285<br>1595 | 58 x 32 x 72<br>71 x 32 x 72<br>88 x 37 x 78 | Yes     | Yes          |



## HR Series

| hp  | kW  | Model | Voltage/Phase       | CFM<br>100<br>PSIG | CFM<br>150<br>PSIG | Noise<br>Level<br>(dBA) | Air<br>Outlet<br>NPT | Oil<br>Cap.<br>(Gal) | Weight<br>(lbs.) | L<br>(in.) | W<br>(in.) | H<br>(in.) | Starter | After<br>cooler |
|-----|-----|-------|---------------------|--------------------|--------------------|-------------------------|----------------------|----------------------|------------------|------------|------------|------------|---------|-----------------|
| 5   | 4   | HR04  | 200-230/460/575 3Ph | 21.3               | 17.7               | 66                      | .75"                 | 1.0                  | 530              | 27         | 25         | 43         | Yes     | Yes             |
| 7.5 | 5   | HR05  | 200-230/460/575 3Ph | 31.9               | 21.9               | 66                      | .75"                 | 1.0                  | 540              | 27         | 25         | 43         | Yes     | Yes             |
| 10  | 7.5 | HR07  | 200-230/460/575 3Ph | 38.5               | 30.1               | 67                      | .75"                 | 1.0                  | 550              | 27         | 25         | 43         | Yes     | Yes             |



## HV Series

| hp | kW | Model | Voltage/Phase       | CFM<br>100<br>PSIG | CFM<br>115<br>PSIG | CFM<br>150<br>PSIG | Noise<br>Level<br>(dBA) | Air<br>Outlet<br>NPT | Oil<br>Cap.<br>(Gal) | Weight<br>(lbs.) | L<br>(in.) | W<br>(in.) | H<br>(in.) | Starter | After<br>cooler |
|----|----|-------|---------------------|--------------------|--------------------|--------------------|-------------------------|----------------------|----------------------|------------------|------------|------------|------------|---------|-----------------|
| 15 | 11 | HV11  | 200-230/460/575 3Ph | -                  | 52.4               | 45.9               | 69                      | .75"                 | 1.85                 | 847              | 32.5       | 27.6       | 60         | Yes     | Yes             |
| 20 | 15 | HV15  | 200-230/460/575 3Ph | -                  | 67.3               | 60.6               | 70                      | .75"                 | 1.85                 | 875              | 32.5       | 27.6       | 60         | Yes     | Yes             |
| 25 | 18 | HV18  | 200-230/460/575 3Ph | -                  | 100.4              | 89.4               | 71                      | 1"                   | 2                    | 1060             | 32.5       | 27.6       | 60         | Yes     | Yes             |
| 30 | 22 | HV22  | 200-230/460/575 3Ph | -                  | 112.7              | 101.3              | 72                      | 1"                   | 2                    | 1090             | 32.5       | 27.6       | 60         | Yes     | Yes             |
| 40 | 30 | HV30  | 200-230/460/575 3Ph | -                  | 155.7              | 143.2              | 73                      | 1.5"                 | 6                    | 1889             | 43         | 35         | 63         | Yes     | Yes             |
| 50 | 37 | HV37  | 200-230/460/575 3Ph | -                  | 201.8              | 175.9              | 73                      | 1.5"                 | 6                    | 2008             | 43         | 35         | 63         | Yes     | Yes             |
| 60 | 45 | HV45  | 200-230/460/575 3Ph | -                  | 226.6              | 198.5              | 73                      | 1.5"                 | 6                    | 2072             | 43         | 35         | 63         | Yes     | Yes             |





## HR RS Series

| hp | kW | Model  | Voltage/Phase | CFM<br>90<br>PSIG | CFM<br>115<br>PSIG | CFM<br>150<br>PSIG | Noise<br>Level<br>(dBA) | Air<br>Outlet<br>NPT | Oil<br>Cap.<br>(Gal) | Weight<br>(lbs.) | L<br>(in.) | W<br>(in.) | H<br>(in.) | Starter | After<br>cooler |
|----|----|--------|---------------|-------------------|--------------------|--------------------|-------------------------|----------------------|----------------------|------------------|------------|------------|------------|---------|-----------------|
| 10 | 7  | HR07RS | 460 3Ph       | 47.0              | 40.7               | 36.8               | 67                      | .75"                 | 1                    | 565              | 27         | 25         | 43         | Yes     | Yes             |

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## HV RS Series

| hp | kW | Model  | Voltage/Phase         | CFM<br>90<br>PSIG | CFM<br>115<br>PSIG | CFM<br>150<br>PSIG | Noise<br>Level<br>(dBA) | Air<br>Outlet<br>NPT | Oil<br>Cap.<br>(Gal) | Weight<br>(lbs.) | L<br>(in.) | W<br>(in.) | H<br>(in.) | Starter | After<br>cooler |
|----|----|--------|-----------------------|-------------------|--------------------|--------------------|-------------------------|----------------------|----------------------|------------------|------------|------------|------------|---------|-----------------|
| 15 | 11 | HV11RS | 200-230<br>or 460 3Ph | 61.6              | 52.9               | 48.5               | 69                      | .75"                 | 1.5                  | 866              | 32.5       | 28         | 60         | Yes     | Yes             |
| 20 | 15 | HV15RS | 200-230<br>or 460 3Ph | 80.8              | 71.6               | 60.7               | 70                      | .75"                 | 1.5                  | 895              | 32.5       | 28         | 60         | Yes     | Yes             |
| 25 | 18 | HV18RS | 200-230<br>or 460 3Ph | 103.1             | 94.9               | 86.5               | 71                      | 1"                   | 2                    | 1118             | 32.5       | 28         | 60         | Yes     | Yes             |
| 30 | 22 | HV22RS | 200-230<br>or 460 3Ph | 120.2             | 109.5              | 100.2              | 72                      | 1"                   | 2                    | 1146             | 32.5       | 28         | 60         | Yes     | Yes             |
| 40 | 30 | HV30RS | 460 3Ph               | 188.5             | 170.5              | 152.8              | 73                      | 1.5"                 | 6                    | 2004             | 43         | 35         | 63         | Yes     | Yes             |
| 50 | 37 | HV37RS | 460 3Ph               | 217.8             | 202.1              | 183.1              | 73                      | 1.5"                 | 6                    | 2151             | 43         | 35         | 63         | Yes     | Yes             |
| 60 | 45 | HV45RS | 460 3Ph               | 263.7             | 243.5              | 223.7              | 73                      | 1.5"                 | 6                    | 2187             | 43         | 35         | 63         | Yes     | Yes             |

RS Configuration 87-150PSIG

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- Battles the harsh elements of compression and effectively disposes of impurities



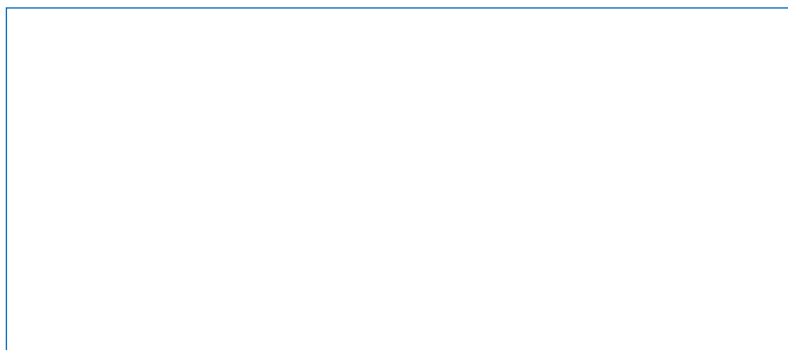
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