

# Rotary Screw Compressors

RK Variable Speed Drive Series 15HP-75HP



**Pneutech**  
Efficiency Under Pressure



**5 Year Warranty**  
*Industry-Leading Peace-of-Mind*

## Features & Benefits

# RK Variable Speed Drive Series 15HP-75HP Rotary Screw Compressors



### Vented Electrical Cabinet

Vented for maximum cooling of the drive (conveniently accessed from the front of the machine)



### Low RPM Airend Assembly

The oversized airend assembly allows for a low RPM design which provides reduced maintenance, cooler running conditions, and an extended life expectancy.



### Oversized Air/Oil Cooler

Easy-to-access and oversized to allow for higher ambient operating temperature isolation when compressor is not in use.



### Direct Drive Design

Direct drive eliminates gear-sets which increases efficiency and reduces noise and vibration levels



### Spin-on Filtration

Spin-on air/oil separators and oil filtration allow for quick and effortless replacement



### Condensate Trap

The standard condensate trap, located at the discharge of the air cooler removes bulk water. Includes electric solenoid drain valve quick and effortless replacement



### Integrated Oil Sump Tank

The oil sump tank is integrated directly with the air end, filtration, thermal valve, and MPCV. This feature reduces hose connections and lessens the chance for oil leakage, and provides a compact design.

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### TEFC motor (totally enclosed fan-cooled)

As standard, all RK-VSD units come packaged with a TEFC motor. This feature protects the motor against dirty environments which increases bearing life and the overall longevity of the compressor maintenance on the complete machine, especially the air filter.

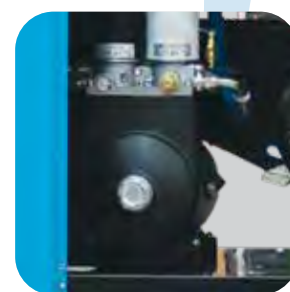
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### Integrated Dryer Option

Integrating the dryer into the compressor saves time, money, and floor space. All RK Fixed Speed 5-40 HP compressors are available with or without a dryer.

This dryer is unique because it has a single point condensate drain, digital dew point meter, and is easily serviced.

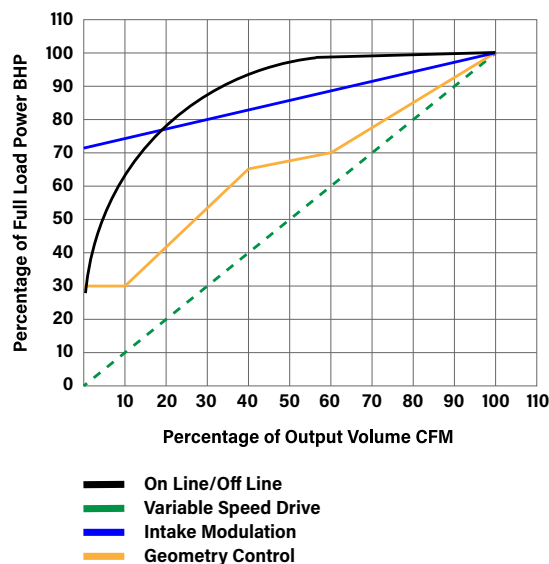


### Oversized Air-Oil Separator Tank

The oversized air-oil separator tank and element allows for effective 3 stage separation, less than 3ppm oil carry over and less than 0.02 bar pressure drop. The highest air quality is assured with renowned Mann filtration.

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## Efficiency Load Comparison Graph



# Variable Speed Drive Technology



**Variable Frequency Inverter Unit**

- Unlimited motor starts per hour
- No inrush current to overheat the motor
- Consistent Discharge Pressure
- Set a 'target' pressure rather than load/unload set-points. Consistent pressure means consistent production results.
- Soft Motor Starts
- As opposed to full voltage motor starts on most fixed speed machines, the VSD drive initiates slow motor starts, thus significantly lowering the demand on your electrical meter
- Up to 85% Turn-Down
- The VFD runs the machine between 15-100% capacity in order to meet current demand.
- Reduced Power Consumption
- Unlike a fixed speed machine, KW consumption stays on par with your compressed air demand, resulting in significant energy savings.



## Electronic Controller

- Pressure Parameters
- Set target pressure to match your exact demand
- Current Duty Cycle
- Monitor the demand that production is putting on the compressor
- Maintenance Timers
- Track and set your maintenance schedule
- Alarm Conditions/Reset
- Past and current alarms are recorded, allowing for quick diagnosis
- Cooling Fan Control
- Controls the air/oil cooling fan based on actual oil temperature conditions. Fan cycles only when needed.
- Discharge Pressure
- Displays current air discharge pressure
- Oil Temperature
- Protects against overheating by allowing this critical temperature to be easily monitored
- Phase Monitor
- Prevents reverse rotation and protects against power loss damage

## RK Variable Speed Drive Series 15HP-75HP Specifications

	HP	kW	CFM	PSI	dBA	NPT	Voltage (3ph)	Dimensions (in)	Weight (lbs)
RK-15VSD-115B	15	11	60	115	65	3/4"	460	53x28x48	705
RK-15VSD-115B-L	15	11	60	115	65	3/4"	200/230	53x28x48	705
RK-20VSD-115B	20	15	80	115	65	3/4"	460	53x28x48	728
RK-20VSD-115B-L	20	15	80	115	65	3/4"	200/230	53x28x48	728
RK-25VSD-115B	25	18	97	115	68	1-1/4"	460	66x30x56	794
RK-25VSD-115B-L	25	18	97	115	68	1-1/4"	200/230	66x30x56	794
RK-30VSD-115B	30	22	123	115	68	1-1/4"	460	66x30x56	926
RK-30VSD-115B-L	30	22	123	115	68	1-1/4"	200/230	66x30x56	926
RK-40VSD-115B	40	30	166	115	68	1-1/4"	460	66x30x56	1168
RK-40VSD-115B-L	40	30	166	115	68	1-1/4"	200/230	66x30x56	1168
RK-50VSD-115B*	50	37	217	115	68	1-1/2"	460	81x39x71	2116
RK-50VSD-115B-L*	50	37	217	115	68	1-1/2"	200/230	81x39x71	2116
RK-60VSD-115B*	60	45	260	115	68	1-1/2"	460	81x39x71	2360
RK-60VSD-115B-L*	60	45	260	115	68	1-1/2"	200/230	81x39x71	2360
RK-75VSD-115B*	75	55	340	115	68	1-1/2"	460	81x39x71	2690

\*Includes Moisture Separator



- VFD Drive
- Significant Energy Savings
- Cycling Cooling Fan
- Energy Savings/Longer Life
- Low Sound Enclosure
- Quiet Operation
- Production Flexibility
- Removable Panels
- Reduced Service Downtime
- Minimal Hose Design
- Reduced Oil Leakage
- Compact Footprint
- Installation Flexibility

# 5 Year Pneu-Assure Warranty

*Industry-Leading Peace-of-Mind*

✓ **5 Year Warranty on Major Components**

Airend  
Oil Sump Tank  
Electric Motor(s)  
Air Cooler  
Oil Cooler  
VSD Unit

✓ **1 Year Warranty on the Entire Unit**  
Regular maintenance NOT included

✓ **Guaranteed Support**  
From Your Certified Distributor

✓ **Technical Expertise**  
Industry-leading knowledge & experience

Warranty subject to change based on region and distributor's agreement.

## Why PneuTech?

**You** are the **#1** priority when you partner with PneuTech.

**Your** goals are our goals - because your success is our success.

**Your** experience is superior when partnering with PneuTech because of quality products and personal service.

You want *efficiency, reliability and versatility* when sourcing compressed air equipment - **that's what we strive for.**



**PneuTech**

United States  
United Kingdom  
Australia  
New Zealand



## Other PneuTech Products



**RK Fixed Speed Rotary Screw  
5HP-50HP**



**Ri Fixed & Variable Speed  
Rotary Screw 60HP-220HP**



**RSP Fixed Speed Rotary Screw  
75HP-450HP**



**RSP Variable Speed Rotary Screw  
75HP-450HP**



**FHO Inline Filtration**



**RDA Refrigerated Air Dryers**



**CSO Oil Water Separators**



**NGO Nitrogen Generators**

# Our Mission Statement

Using our combined industry experience, we provide knowledge, support, and superior products to compressed air distributors across the globe.

We are committed to producing positive results through being trustworthy, ethical, and accessible.

We are founded in the beliefs that through working together we can continue to transform the industry, while rising to turn challenges into opportunities.



United States | Australia  
United Kingdom | New Zealand

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