



RK Variable Speed Rotary Screw Air Compressor 15HP-60HP



Pneutech.com

RK Variable Speed Drive 15HP-60HP Rotary Screw Air Compressors

1 Oversized Air/Oil Cooler

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

2 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.

3 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.

4 Spin-on Filtration

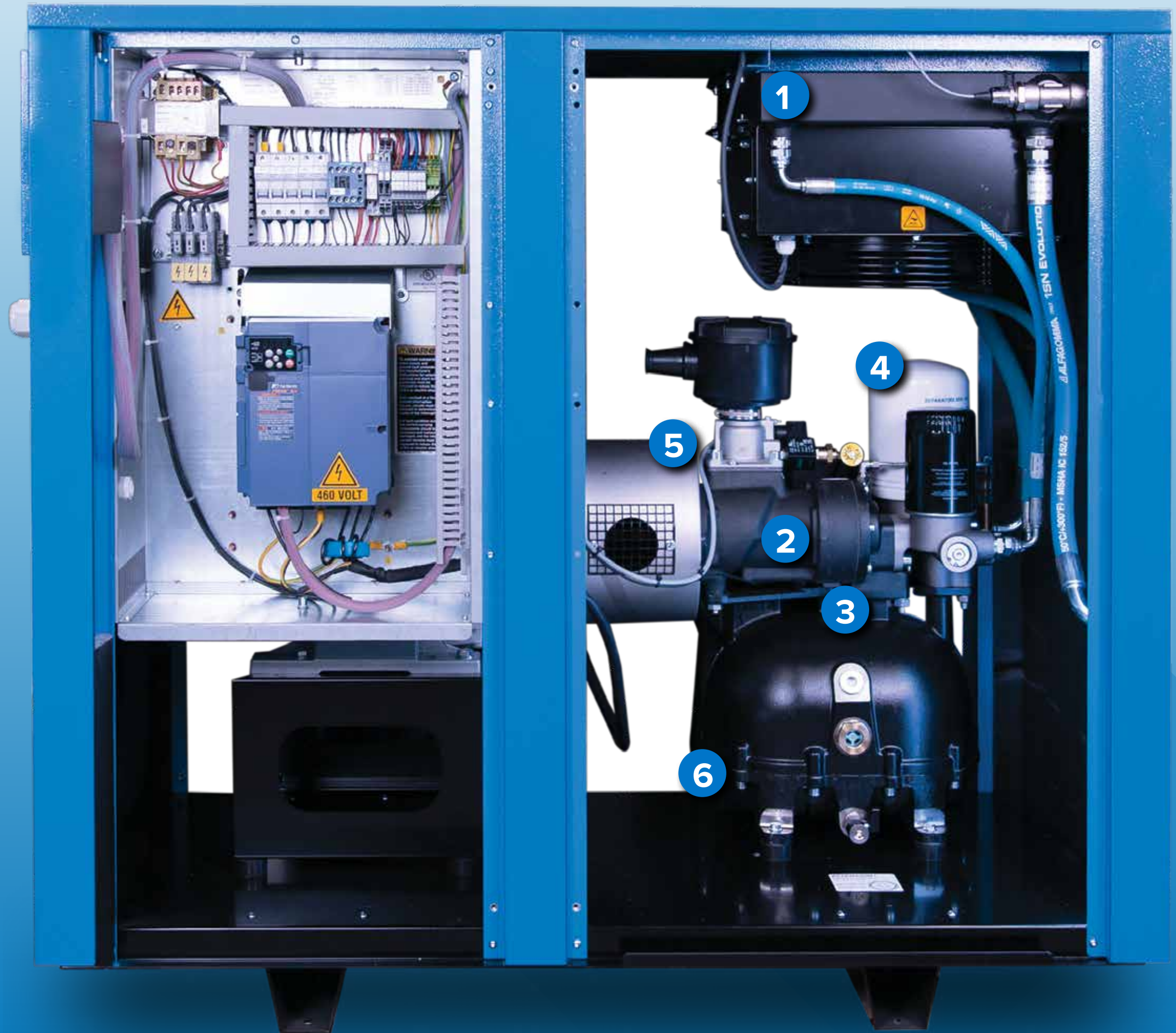
Spin-on air/oil separators and oil filtration allow for quick and effortless replacement

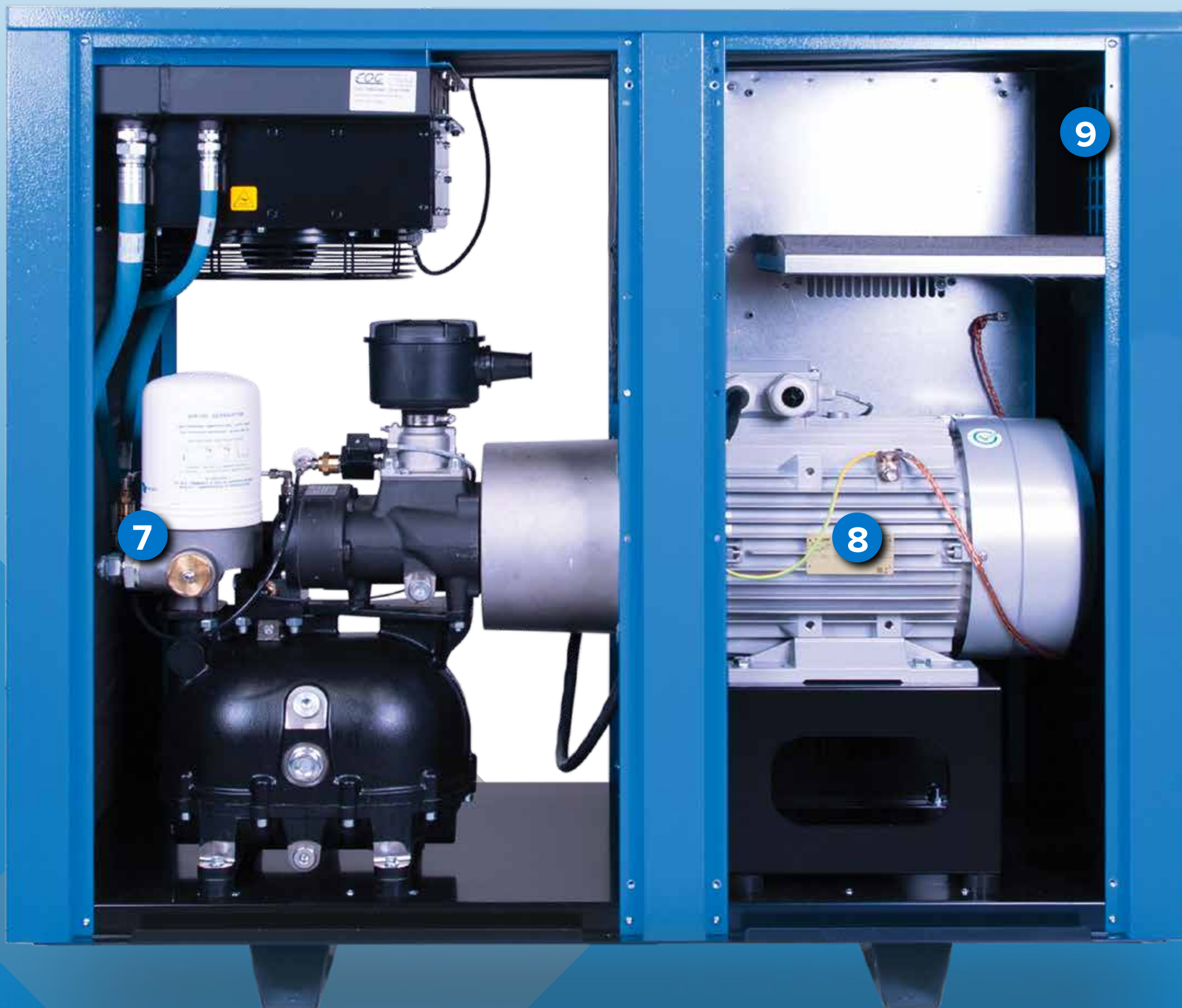
5 Direct Drive Design

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

6 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.





7 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

8 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.

9 Vented Electrical Cabinet

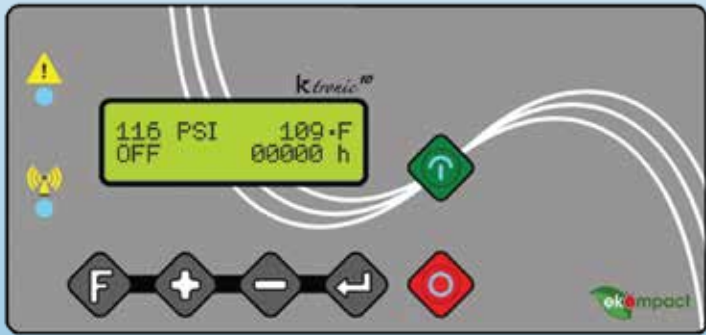
Vented for maximum cooling of the drive (conveniently accessed from the front of the machine)

- VFD Drive for Longer Life and Significant Energy Savings
- Low Sound Enclosure - Quiet Operation
- Removable Panels for Convenient Access
- Reduced Oil Leakage - Minimal Hose Design
- Compact Footprint - Saves Valuable Floor Space
- Cycling Cooling Fan

Integrated Dryer Option

Integrating the dryer into the compressor saves time, money, and floor space. All RK VSD Speed 5-20 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.





Learn More
About the
KTronic10
Controller



KTronic10 Controller Features

- Pressure Parameters**
Set target pressure to match your exact demand for compressed air
- 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

Variable Speed Drive Technology

Unlimited Motor Starts per Hour

- No inrush current to overheat the motor

Consistent Discharge Pressure

- Setting ‘target’ pressure instead of load/unload setpoints
- Consistent pressure means consistent production results

Up to 70% Turn-Down

- The inverter runs the compressor at 70-100% capacity to meet current demand

Soft Motor Starts

- Eliminates slow motor starts
- Significantly lowers electricity demand
- Does not allow full voltage motor starts as with fixed speed

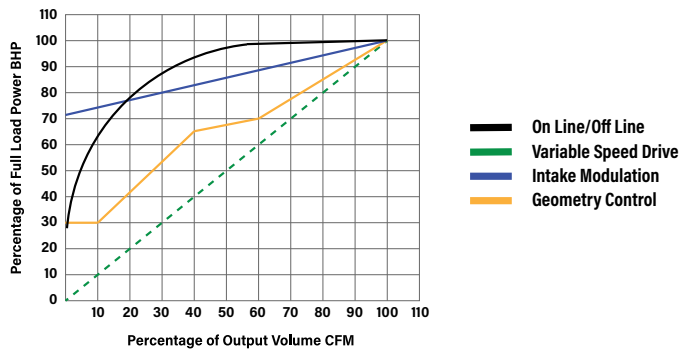
Reduced Power Consumption

- KW consumption is directly tied to your air demand resulting in significant energy savings



Variable Frequency
Inverter Unit

Efficiency Load Comparison



RK Series Variable Speed Drive 15HP-60HP
Technical Specifications

	HP	kW	CFM	PSI	dBA	NPT	Voltage (3ph)	Dimensions (in)	Weight (lbs)
RK-15VSD-115B	15	11	55	115	65	3/4	460	53x28x48	705
RK-15VSD-115B-L	15	11	56.8	115	65	3/4	200/230	53x28x48	705
RK-20VSD-115B	20	15	69.8	115	65	3/4	460	53x28x48	728
RK-20VSD-115B-L	20	15	71.3	115	65	3/4	200/230	53x28x48	728
RK-25VSD-115B	25	18	107.4	115	68	1-1/2	460	66x30x56	794
RK-25VSD-115B-L	25	18	95.9	115	68	1-1/2	200/230	66x30x56	794
RK-30VSD-115B	30	22	123.2	115	68	1-1/2	460	66x30x56	926
RK-30VSD-115B-L	30	22	111.6	115	68	1-1/2	200/230	66x30x56	926
RK-40VSD-115B	40	30	166	115	68	1-1/2	460	66x30x56	1168
RK-40VSD-115B-L	40	30	166	115	68	1-1/2	200/230	66x30x56	1168
RK-50VSD-115B*	50	37	223.4	115	68	1-1/2	460	81x39x71	2116
RK-50VSD-115B-L*	50	37	186	115	68	1-1/2	200/230	81x39x71	2116
RK-60VSD-115B*	60	45	273.3	115	68	1-1/2	460	81x39x71	2360
RK-60VSD-115B-L*	60	45	260	115	68	1-1/2	200/230	81x39x71	2360

*Includes Moisture Separator

5 YEAR 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.

RK Series Compressor Resources



Warranty Statement



Technical Documents Library

PneuTech

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