



RKF Series 15-40 VSD

variable speed drive integrated series rotary screw
air compressor, dryer, and tank



value

Variable-Speed Drive

Reliable Extended Life Expectancy Compact
Belt Driven Easy to Maintain Rotary Screw Support

Electronic Controls
Soft Start

Low RPM Design

Spin-On Filtration
TEFC Motor
Cabinet Filtration



Maintenance Timers

Minimal Hose Connections

Tank Mounted

5 Year Warranty Entire System in One

Cycling Cooling Fan Coalescing Filtration Flexibility

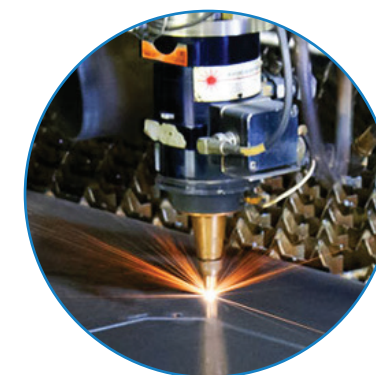
Low Sound Enclosure Automatic Condensate Drain

Increased Efficiency

Industries



Machining | Metal Forming | Wood Working
Auto Repair | Bottling | Laboratory | Textile
Metal Fabrication | Electronics
Chemical Manufacturing | Plastic Extruding
Waste Management | Circuit Board | Printing
Food & Beverage | Mechanic
Agriculture | Aerospace | Packaging



features

benefits

4 in 1 compressed air package

air compressor, refrigerated air dryer, coalescing pre-filter, and tank

VFD drive compressor

significant energy savings

low sound enclosure

quiet operation

programmable controllers

user-friendly & customizable operating of both the compressor and dryer

on-demand HP

production flexibility

removable panels

reduced service downtime

integrated pipe design

reduced chance for pressure drop

compact footprint

installation flexibility

Providing
high efficiency



main components

VSD air compressor

Variable speed drive air compressor gives energy efficient production flexibility when there is a fluctuating air demand

coalescing dryer pre-filter

Coalescing pre-filter removes particles down to 1 micron giving the user higher quality compressed air

aluminum piping

Aluminum piping configuration is beneficial because it is corrosion resistant and leak free

3 valve by-pass

The three ball valves in the aluminum piping configuration allow for dryer servicing with zero downtime

oversized refrigerated dryer

Integrated refrigerated dryer is oversized to increase capacity and ensure that quality air is being delivered. With its electronic controller and easily removable panels this dryer is user friendly and easily serviced.

ASME tank mounted

The tank mounted feature keeps your equipment off of the floor and further away from the general dirt and dust. Also, because the equipment is higher off of the ground, it makes it easier to service.

Delivering
lowest cost
of ownership

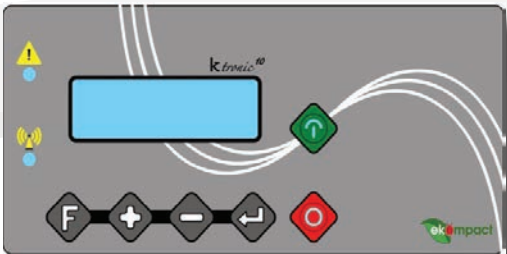


VFD inverter

- unlimited motor starts per hour
No inrush current to overheat the motor
- consistent discharge pressure
Set a 'target' pressure rather than load/unload setpoints. Consistent pressure means, consistent production results
- soft motor starts
As opposed to full voltage motor starts on most fixed speed machines, the VFD drive initiates slow motor starts significantly lowers the demand on your electrical meter
- 15% turn-down
Industries lowest!
- 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

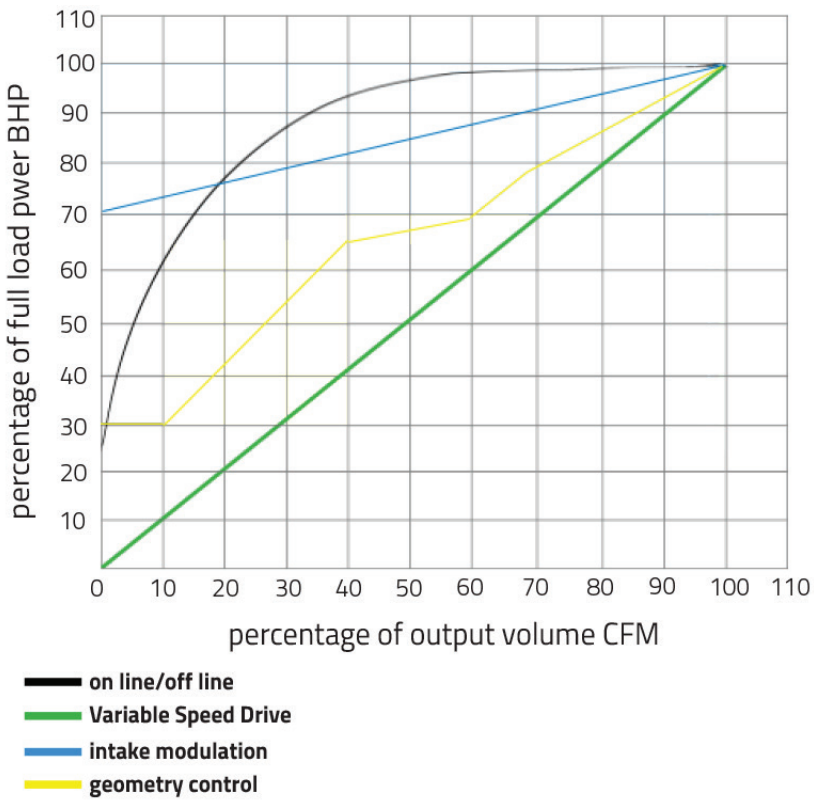
- pressure parameters
Set target pressure to match your exact demand
- current duty cycle
Monitor the demand production is putting on the compressor
- maintenance timers
Track and set your maintenance schedule
- alarm conditions/reset
Recording past and current alarms allows for quick diagnostics
- cooling fan control
Controls the air/oil cooling fan based on actual temperature conditions. Fan cycles only when needed
- discharge pressure
Displays current air discharge pressure
- oil discharge temperature
Protects against over temping
- phase monitor
Prevents reverse rotation and protects against power loss damage



Models & Specifications

| Model | HP | KW | CFM | PSI | dBA | NPT | Voltage (3ph)* | Dimensions | Weight | Gallons |
|------------------|----|----|-----|-----|-----|-------|----------------|--------------|--------|---------|
| RKF-15VSD-115T-D | 15 | 11 | 60 | 115 | 65 | 3/4 | 230/460 | 84 x 28 x 78 | 1325 | 120 |
| RKF-20VSD-115T-D | 20 | 15 | 80 | 115 | 65 | 3/4 | 230/460 | 84 x 28 x 78 | 1370 | 120 |
| RKF-25VSD-115T-D | 25 | 18 | 97 | 115 | 68 | 1-1/4 | 230/460 | 88 x 30 x 92 | 1715 | 240 |
| RKF-30VSD-115T-D | 30 | 22 | 123 | 115 | 68 | 1-1/4 | 460 | 88 x 30 x 92 | 1890 | 240 |
| RKF-40VSD-115T-D | 40 | 30 | 166 | 115 | 68 | 1-1/4 | 460 | 88 x 30 x 92 | 2120 | 240 |

*Must specify voltage when ordering



5 YEAR WARRANTY
The 5 year warranty includes parts and labor on the major components such as the air end assembly, air/oil cooler, oil sump tank, and air receiver tank (if applicable). One year warranty includes parts and labor on the complete package.



Mission Statement:

"Using the experience, technical knowledge, and commercial strengths of our international group to bring optimum solutions for compressed air equipment and accessories to our global market"



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