

# ROGERS®

Rotary Screw Air Compressors



## KI & KIV Series

Fix Speed or Variable Speed ■ Lubricant-Injected  
■ Single-stage ■ 10 - 100 HP ■ Air-Cooled ■ 100 - 200 PSIG



# ROGERS® KI&KIV Series

## The Compressor Components



### Compressor Control

Microprocessor based control panel with easy to read text screen and indicators.

### Inlet Filter/Silencer

Low pressure drop element.

### Air/Lubricant Separator

High efficiency, reliable separation.

### Motor

Energy efficient, NEMA frame main motors.



### Heat Exchangers

Cool lubricant and compressed air.

### Inlet Control Valve

Designed for reliable, efficient capacity control with load/unload on all units and auto-dual on 60HP - 100 HP.

### Air End

Designed and built to last. Efficient rotor profile.

**V-Belt Driven, 10 -50 HP**

## Unequaled Commitment to Customer Service

### Sales

To ensure your satisfaction, our experienced and professional sales staff make recommendations based on your needs and specifications.

### Engineering

Our compressors are designed for all industrial users, large or small, for efficient, reliable performance.

## Design Features

- High-efficiency, precision machined 5:6 rotor profile
- Tapered roller bearings support thrust loads
- Vertical flow cooling air (10 hp horizontal)
- Belt-driven 10–50 HP. Direct-driven 60–100 HP
- Automatic temperature regulation
- Low oil-carryover
- Standard operating pressures 100-200 PSIG

### Start-up Services

After your compressor has been installed, our field service technicians will visit your plant to:

- Inspect installation
  - Perform start-up of compressor
  - Ensure proper operation
  - Train personnel in operation and maintenance
  - Review factory service program
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- UL listed controls
  - Compact footprint
  - Low sound, 76 dB(A) or less
  - Powder-coated, fabricated steel base and enclosure with sound attenuating panels



## Fixed or Variable Speed, You Decide!



ROGERS® delivers an ecologically friendly and energy efficient compressor design.



**KIV Panel**



**KI Panel**

### Standard Equipment

- Load/unload (10-50 HP) and Auto-dual control (60-100 HP)
- Lubricant-flooded rotary screw compressor
- High-efficiency rotor profile
- Triple lip shaft seal
- Air-cooled lubricant cooler with automatic temperature control
- V-belt (10-50 HP) or Direct drive (60-100 HP)
- OSHA style belt or coupling guard
- Multi-stage, high efficiency air-lubricant separation system
- Spin-on type lubricant filter
- Motor, NEMA, TEFC
- Inlet air filter/silencer
- ASME pressure relief valve
- Minimum pressure discharge air check valve
- Lubricant level sight glass
- High temperature shutdown switch
- UL listed control panel and instrumentation
- Microprocessor based control complete with LCD display
- Remote start capability
- Multiple-compressor control sequencing capability
- E-stop button for immediate manual safety shutdown of compressor

- Air-cooled aftercooler
- KI - Wye-delta, reduced voltage starter or KIV – variable speed, in NEMA 1 enclosure, mounted, wired and tested (fixed speed 10 HP is magnetic X-line.)

### Optional Equipment

Moisture separator w/drain, tanks, filters, dryers and oil water separators



**Direct Drive, 60 -100 HP**



**ROGERS® family of  ECOPAK compressors and vacuum pumps.**