

Com-paK Plus Rotary Blower Packages

## DB Series with Omega Control Basic™



### A New Era in Blower Technology

For over ten years, Kaeser has been a leader in creating fully packaged blower systems that are reliable, durable, energy efficient and simple to maintain. Our line of Com-paK Plus™ blower packages set the standard in the blower industry. Now Kaeser has revolutionized the industrial blower again by introducing the first ready-to-run blower package with integrated controls.

### Fully Integrated Control and Protection

Our new Com-paK Plus DB 166C and DB 236C blower systems include the new Omega Control Basic™ option that not only operates, but monitors and protects the blower system. The Omega Control monitors a number of on-board sensors and switches. It indicates when maintenance is needed and will shutdown the unit automatically to prevent failure. Further it can be remotely monitored and integrated into plant controls.

### Package Highlights

- Kaeser's durable tri-lobe blower
- New Omega Control Basic™
- Premium efficiency motor
- Reduced current starter
- Inlet and outlet filter/silencers
- Auto-tensioning belt drive with safety guard
- Complete enclosure with sound proofing and heavy duty steel frame
- Easier access to all maintenance points
- Optional integrated Omega Frequency Control (variable speed drive) for maximum energy efficiency and system performance
- Smaller footprint
- Easier to move and install

### System Sensors

- PTC sensors embedded in motor windings to prevent heat damage
- An internal cabinet temperature sensor shuts down the blower if the temperature inside the package exceeds 140°F
- A differential pressure sensor on the inlet filter/silencer alerts you when the filter needs service
- A PT 100 discharge temperature sensor will shut down the unit to prevent damage to the blower
- On OFC models, a speed sensor on the blower pulley indicates if there's a problem with the belt drive
- An oil level sensor is optional



- 1** Omega Control Basic™
- 2** Electrical control cabinet (includes wye-delta or frequency drive controls on OFC option)
- 3** Tri-lobe Omega Plus blower
- 4** Premium efficiency TEFC drive motor with PTC temperature sensors
- 5** V-belt drive with safety guard
- 6** Automatic belt tensioning device
- 7** Intake silencer with integrated filter
- 8** Discharge silencer, check flap and compensator
- 9** Constant speed enclosure fan
- 10** Oil drain valves
- 11** Oil level sensor (optional)
- 12** Inlet filter differential pressure sensor / switch
- 13** Inlet / discharge PT 100 temperature sensors
- 14** Inlet / discharge pressure transducers
- 15** Cabinet interior temperature sensor / switch
- 16** Blower speed sensor (on OFC models)

Model	Max. Overpressure (psig)	Max. Flow at 3 psig (FAD*) (cfm)	Max. Motor Size (hp)	Process Connection (in.)	Dimensions (in.)
DB 166 C	15	565	50	4	45 <sup>5</sup> / <sub>8</sub> x 60 <sup>5</sup> / <sub>8</sub> x 51 <sup>1</sup> / <sub>8</sub>
DB 236 C		812	60		

\* Flow capacities in accordance to ISO 1217; 1996, Annex C  
 Specifications are subject to change without notice.

# KAESER COMPRESSORS

**Built for a lifetime.™**

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Certified Management Systems



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