



Airtower Series

Industrial Quality for Your Shop



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If you are like most air compressor owners, you need a reliable source of clean, dry air that you do not have to think about on a daily basis. You have enough to do without designing and then installing a new compressed air system. To help keep things simple, Kaeser offers the Airtower™ — a more affordable but rugged rotary screw compressor for any light industrial application including wood working, machine shops and metal fabrication, and all sorts of vehicle maintenance and repair. Available in 4, 5, and 7.5 hp, the Airtower™ offers a quality alternative to piston and light duty rotary compressors.

We combine the reliability, energy efficiency and easy-to-service design of our industrial rotary screw compressors with a storage tank, and dryer. Airtowers are completely assembled and their compact design saves you precious floor space. They arrive ready for installation, saving you a lot of time and expense.

The small footprint and super-quiet operation let you place the system almost anywhere.

Superior Compressor Technology

Though piston compressors are still the most common compressor type found in light industrial service shops, many users have found there are significant benefits to rotary screw technology.

A piston compressor may provide adequate flow for a short period, but most are air-cooled and have high operating temperatures with an allowable duty

cycle of only 60-70%. For this reason, piston compressors are usually oversized to allow cool down time to prevent heat damage. Rotary screw compressors are fluid cooled, have much lower operating temperatures and have a 100% allowable duty cycle.

Unlike pistons, rotary screws have no rings to wear out. They have better long term efficiency and much lower oil carry-over into tools and products.

Rotary compressors also generate much less heat, noise and vibration than piston units. Place them in the best location without bothering employees or customers.

Airtower Advantages

Durable

- Rugged Sigma Profile™ airend
- Solid steel construction
- Runs cooler so it can run as much as needed without overheating
- TEFC motor has class F insulation

Better Air Quality

- Unit runs cool so it's easier to dry and filter
- Vertical receiver tank with automatic condensate drain removes bulk liquids
- Integral refrigerated dryer condenses and removes even more moisture and other contaminants
- Low oil carry-over

Energy efficient

- Better airend design delivers more air per kW input power
- Start-stop control means the unit only runs when you need air
- High efficiency motor with wye-delta soft start
- Built-in receiver tank stores air to minimize run time
- Doesn't waste energy running at unneeded high pressure

Quiet

- Rotary screw design is much quieter than piston
- Double-walled, roto-molded polyethylene shell dampens noise
- Noise levels as low as 67 dB(A)

Low vibration

- Smooth rotary action
- Double vibration insulation
- No need to fasten it to the floor



Airtower: A Complete Air System Solution



1 Not shown

3

5

4

2



3 Receiver tank

A 56.8 gallon ASME pressure vessel with pressure gauge, safety relief valve and auto-drain stores air and removes moisture. It is powder-coated inside and out to prevent rust.



4 Electronic demand drain

The Eco-Drain automatically removes liquid contaminants without wasting valuable compressed air. Sight glass with "pop-out" feature provides access to the test button on the drain.



5 Cover

Our rugged one-piece rotomolded shell lifts off for quick and easy access to all maintenance items.



1 Screw compressor

Our industrial Sigma Profile compressor is built for 24/7 duty and will reduce your power bill. It runs cool, quiet and trouble free for years.



2 Dryer

A refrigerated dryer removes excess moisture to protect your tools and improve product quality. It operates independently, drying stored air even when the compressor is off.



6 Controls

Our Sigma Control Basic provides push button controls and LCD screen with operation status. It provides troubleshooting alerts, maintenance reminders, and precise digital pressure control.

Life Just Got Easier



Small footprint

- Vertical tank saves precious floor space
- Designed for corner placement

Easy installation

- Comes completely assembled
- Easily handled with fork truck or pallet jack
- Simple electrical connections for compressor and dryer
- Only one compressed air connection

Easy maintenance

- Routine fluid and filter changes
- Lightweight, one-piece cover gives easy access for service

Specifications

Model	hp	Pressure Range	Capacity @ 125 psig (cfm)	Dimensions L x W x H (in.)	Weight (lbs.)	Noise Level (dB(A))	Power	
							Compressor*	Dryer
Airtower 4C	4	80 - 217	16	24 x 39 x 58	628	67	208/230/460 V 3 phase 60 Hz	115 V 1 phase 60 Hz
Airtower 5C	5		21		639	68		
Airtower 7.5C	7.5		28	24 ³ / ₈ x 39 ⁵ / ₈ x 58	661	69		

Standard pressures are 125, 155, and 217 psig, with minimum pressure band of 15 psi.

* Airtower 5C and 7.5C also available 208-230 V/1 phase/60 Hz

KAESER COMPRESSORS

Built for a lifetime.™

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The Air Systems Specialist

With over 85 years of experience, Kaeser is the air systems specialist. Our extensive 100,000 square foot facility allows us to provide unequalled product availability. With service centers nationwide and our 24-hour emergency parts guarantee, Kaeser customers can rely on the best after-sales support in the industry. Kaeser stands committed to providing the highest quality air system for your specific compressed air needs.

Certified Management Systems



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