

When your plant air pressure isn't enough, call Hycomp.

Performance Under Pressure™

CAPABILITIES

- Up to 1200 psig standard, higher pressures available
- Up to 75 HP
- 1, 2 and 3 stage units available
- Flows to 500 scfm limited by HP

BENEFITS

- **MODULAR DESIGN:** allows for interchangeability of bore sizes and strokes, giving a wide range of capabilities with limited expense
- No air loss through booster, all air into the booster comes out of the booster
- Air and water cooling available
- Pressure lubricated lower end for long bearing life, utilizing oversized bearings
- Oil Free upper end prevents the addition of oil vapor to the air stream and subsequent cleanup & removal
- Vertical crosshead design ensures oil free compression, and removes side thrust from piston rings for longer ring life
- Oversized intercoolers on multi-stage units ensure cool gas to the second and third stages
- Thick cast iron cylinders and heads decrease warpage and provide vibration dampening
- Large, low lift stainless steel valves give longer life and higher efficiencies, and are quickly accessible without removing the cylinder head
- Gas packings are full floating segmented type, for extra long life and positive sealing
- Piston rings are of extra thick, engineered polymers designed for specific applications
- Units are fully tested at the factory with minimum four hour test time, including testing at customer specific conditions



Our proprietary BoostAir™ technology brings a higher level of efficiency and versatility to our customers. This technology includes the benefits of our modular design, our design process, our unique packing system, the ring materials we utilize, the use of nitrided rods, and other advantages. This means you get increased air pressure without the need to install additional high-cost air compressors.

Efficient
no air loss
REDUCED ENERGY COSTS

Trust... it's what we build.
Quality Compressors Since 1969.



MODEL
AN6A-B301

INLET PRESSURE
100 psig

GAS
Air, +38F PDP

DISCHARGE PRESSURE
175 psig

CAPACITY
32 scfm

INSTALLATION LOCATION
Phoenix, AZ, USA

THE USER

A manufacturer of civil and military avionics and other aerospace products.

THE APPLICATION

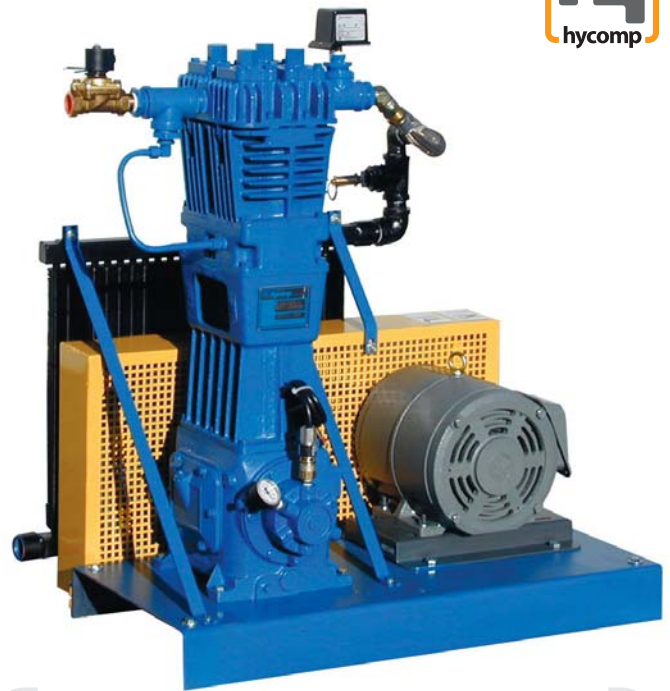
The user required 175 psig of oil free air for an expansion of an existing product line.

THE PROBLEM

The only space available to install the new compressor was out of doors, where summertime temperatures exceed 115°F on a regular basis, and no water was available for cooling, so the unit must be air cooled. The discharge temperatures exceeded the maximum allowable for a two stage air compressor.

THE SOLUTION

A Hycomp single stage air cooled Air Booster was installed. With the plant air feeding the booster at 100 psig, the Hycomp unit was subjected to less than a 2:1 compression ratio, keeping the discharge temperatures low and requiring no water for cooling.



MODEL
AN26C-B201

INLET PRESSURE
95 psig

GAS
Air, -40F PDP

DISCHARGE PRESSURE
150 psig

CAPACITY
109 scfm

INSTALLATION LOCATION
New York, NY, USA

THE USER

A United States Postal Service mail sorting center.

THE APPLICATION

An expansion with new mail sorting equipment required higher-pressure air than the older sorting machines.

THE PROBLEM

Space was limited and as with all government installations, the units needed to be as efficient as possible. Oil contamination was not acceptable in mail sorting equipment.

THE SOLUTION

A pair of Hycomp Oil Free Air Boosters were chosen rather than multiple high pressure air compressors, as the Hycomp Boosters were physically smaller and required less horsepower. The sorting center already had plant air at 100 psig, and the Hycomp single stage air cooled Air Boosters required less horsepower and took up less than half the space required by an air compressor of equivalent capacity. Additionally, the sound output was below that of the equivalent air compressor, requiring no additional sound-proofing.