

HD362-B

HD Series
Air Booster Compressor
Driven @ 505 RPM

Gas

Air
n = 1.41
MW = 28.98

Inlet

60 – 80 psig
(4.5 – 5.5 barg)
Ambient Temperature

Outlet

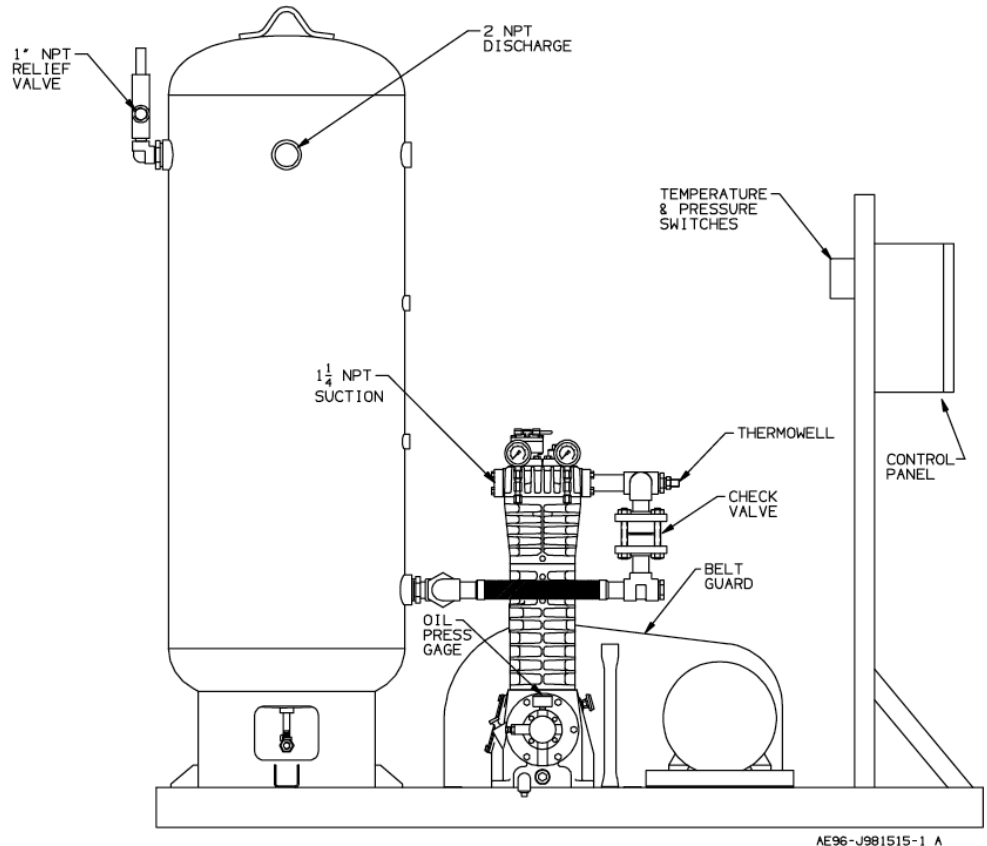
105 – 120 psig
(7.2 – 8.3 barg)

Compressor Construction

Buna-N O-rings
Iron Valve Gaskets
Suction Valve Unloaders
Poly-Filled PTFE Piston Rings
TNT-12 Ductile Iron Cylinder
PEEK Valve Plates

Accessories

Solenoid Control Valve
NEMA 4 Control Panel
Check Valve
High Discharge Temp. Switch
Discharge Relief Valve
Stainless Steel Thermowell
7.5 HP TEFC Electric Motor
Low Oil Pressure Switch
120 Gallon Receiver Vessel
Control Pressure Switch



Installation Example

A company in West Virginia is using this compressor package to boost plant air for instrument use. The process requires 100 psig air pressure at all times. To achieve this, the compressor controls pressure in the receiver tank between 105 and 120 psig. A control pressure switch signals a 3-way solenoid valve to actuate the suction valve unloaders. A timer in the control panel ensures that the compressor does not remain unloaded for more than 5 minutes during constant speed unloading. A second timer starts a 10 second time delay for loadless start.