

## HD372-TU

### HD Series

Evacuation Compressor  
driven @ 450 RPM

### Gas

Anhydrous Ammonia (NH<sub>3</sub>)  
n = 1.31  
MW = 17.03

### Inlet

5 – 82 psia  
(0.35 – 5.76 kg/cm<sup>2</sup>a)  
Ambient Temperature

### Outlet

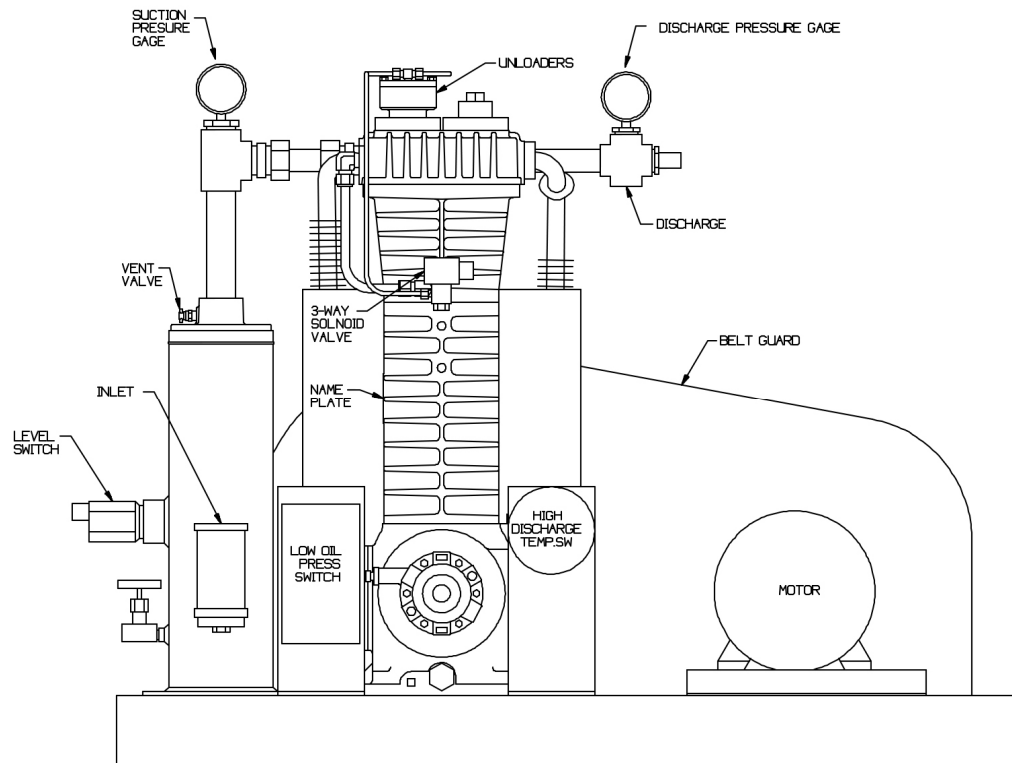
162 - 252 psia  
(11.4 – 17.7 kg/cm<sup>2</sup>a)

### Compressor Construction

Buna-N O-rings  
Iron Gaskets  
Standard Steel Intercooler

### Accessories

10 HP TEFC Motor  
Liquid Trap with Float Switch Suction  
Strainer  
High Discharge Temperature Switch  
with Thermowell  
Low Oil Pressure switch  
Pressure Gauges for suction and  
discharge gas pressures and  
crankcase oil pressure  
Electrical devices are NEMA 4 or 7  
The packing is installed for vacuum  
suction conditions



AE91-98359-1

### Installation Example

This HD372 is being used in Colorado to prevent the escape of anhydrous ammonia (NH<sub>3</sub>) to the atmosphere when disconnecting cylinders after filling. Before the hose to a cylinder is disconnected, a valve is opened, connecting it to the compressor's suction. The compressor then recovers the liquid and vapor NH<sub>3</sub> in the hose back into the storage. As the vapor pressure of anhydrous ammonia can exceed the suction pressure limit of the HD372A, a regulator is placed in the suction line to limit the maximum suction pressure.