HD162-LC

HD Series
Compressor for Refrigerant R134a driven @ 720 RPM

Gas

Refrigerant R134
N = 1.12
MW = 102.0

Inlet

30 – 120 psia
(2.11 – 8.44 kg/cm2 a)
20 -100˚F (-7 – 38˚C)

Outlet

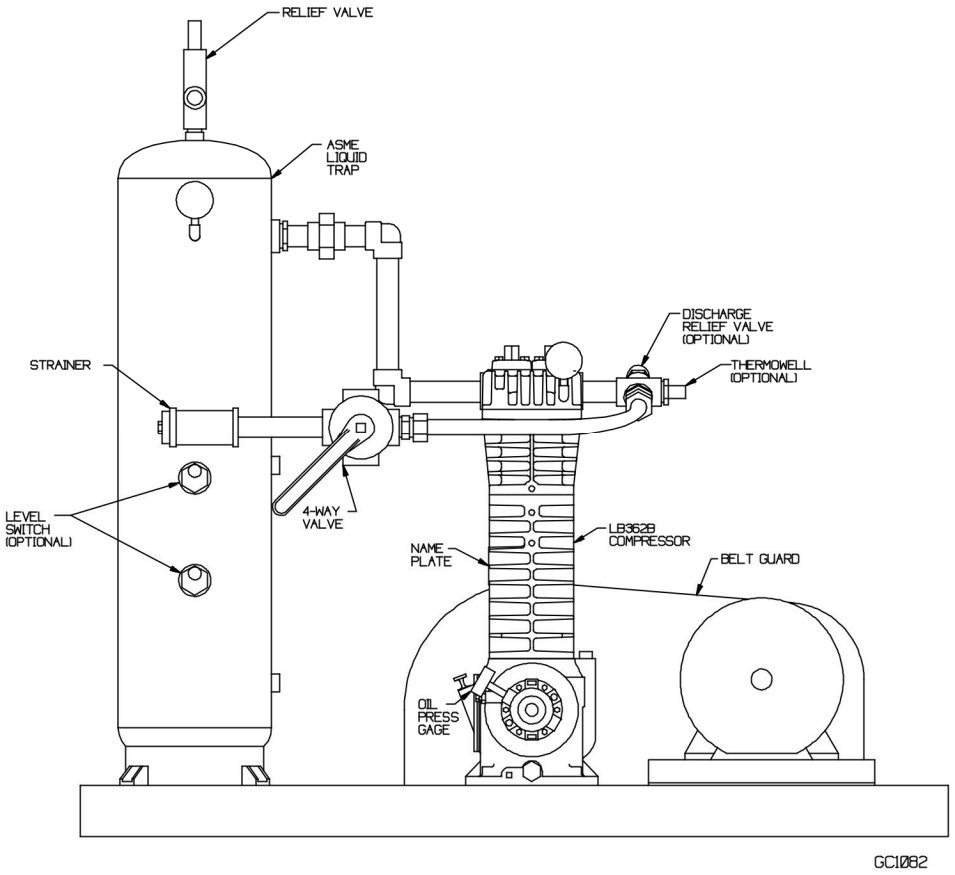
40 – 130 psia
(2.8 – 9.1 kg/cm2 a)

Compressor Construction

PTFE/Nickel Treated Valve
Neoprene O-Rings
Ductile Iron Head and Cylinder

Accessories

ASME Code Liquid Trap
Liquid Level Switch
7.5 HP Motor
Suction Strainer
Pressure Gauges
4-Way Flow Control Valve
Two ASME Relief Valves



Installation Example

This HD162 gas compressor is being used in California to transfer Refrigerant R134a from storage tanks to transports at about 80 gpm (300 L/min). This model features two seals on each piston rod separated by a distance piece to minimize leakage and product contamination. The liquid trap has a float switch to provide a shutdown signal if too much liquid accumulates in the trap. After all the liquid is transferred, the 4-way valve position is reversed to allow the HD162 gas compressor to recover the remaining vapors. Using this technique, a compressor can transfer all the contents of a vessel - unlike a pump which can transfer only the majority of the liquid portion.