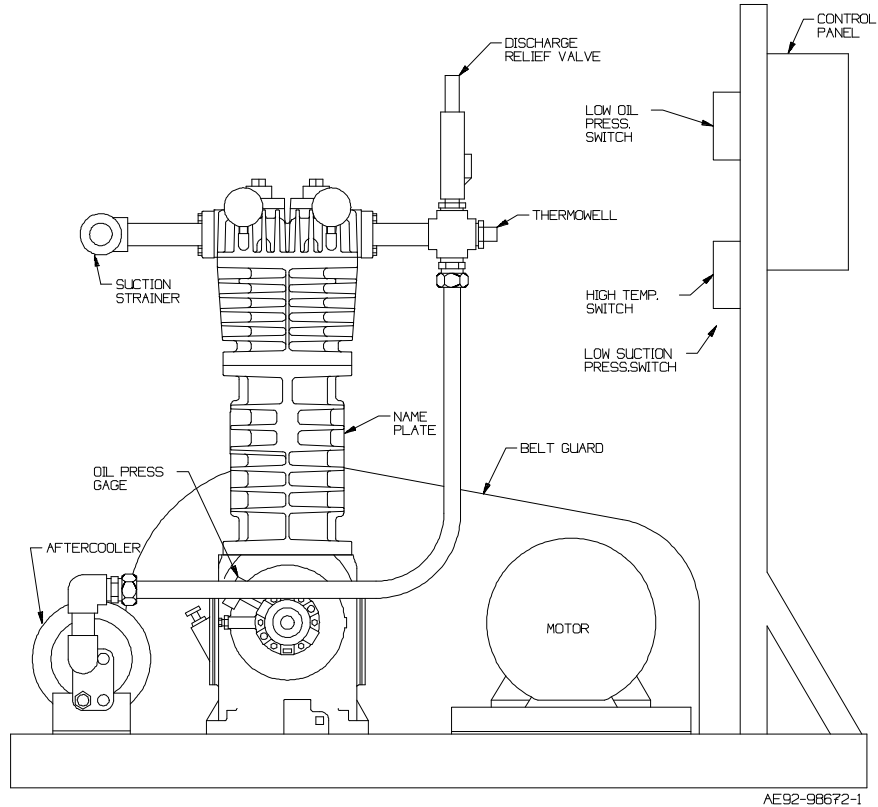


COMPRESSOR SOLUTIONS

HD601-B
Carbon Dioxide
Recovery Compressor
driven @ 790 RPM



Gas:
Carbon Dioxide (CO₂)
n = 1.31
MW = 44.01

Inlet:
50 psia
(3.45 bar-a)
-30°F (-34°C)

Outlet:
315 psia
(21.7 bar-a)

COMPRESSOR CONSTRUCTION

Ductile Iron Valves
with PEEK Plates

Buna-N
O-rings

Ductile Iron
Head and Cylinder

ACCESSORIES

Water-Cooled Aftercooler
Suction Strainer
Low Suction Pressure
Switch

30 HP TEFC Motor
Pressure Gauges
Low Oil Pressure
Switch

NEMA 4 Control Panel
ASME Relief Valve
Discharge Temperature
Switch

Two of these HD601-B compressors are installed at a dry ice plant in Mexico to recover excess CO₂ from the dry ice manufacturing process and return it to storage. The water-cooled aftercooler uses 54°F (12°C) water to cool the compressor's discharge temperature from about 213°F (100°C) to 70°F (21°C). The control panel has shutdown functions and indicating lights for low oil pressure, high discharge temperature and low suction pressure.