

COMPRESSOR SOLUTIONS

HD602-LC Duplex Package Anhydrous Ammonia Transfer

Gas: NH₃
N = 1.31
MW = 17.03

Inlet: 39 – 247 psig
(2.7 – 17.0 barg)
Ambient Temperature

Outlet: 49 – 265 psig
(3.4 – 18.3 barg)



COMPRESSOR CONSTRUCTION

Buna-N O-rings
Ductile Iron Cylinder
PEEK Valve Plates

ACCESSORIES

ASME Code Liquid Traps
Stainless Steel Welded Piping
SS Strainers and Relief Valves
Epoxy Paint
Temperature Switches
Pressure Switches
Low Oil Pressure Switches
Liquid Level Switches
30 HP TEFC Motors
NEMA 4X Control Panel
Separate Piping Skid
Pneumatic Control Valves
NEMA 4X Junction Boxes



These compressors are being used in a Pennsylvania power plant for transfer of Anhydrous Ammonia (NH₃) from a rail car to storage. The NH₃ will be used in a Selective Catalytic Reduction (SCR) system to control NO_x emissions.

The compressor skid features two HD602 compressors, one of which is a stand-by unit. Each compressor is protected by switches for low oil pressure, low suction pressure, high discharge pressure, high discharge temperature, and high liquid level in the traps. A separate skid is used for some of the piping and the flow control valves which are manually or remotely actuated.