

## HD602-LC DUPLEX PACKAGE

HD Series

Anhydrous Ammonia Transfer

### Gas

NH<sub>3</sub>

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



### Installation Example

These compressors are being used in a Pennsylvania power plant for transfer of Anhydrous Ammonia (NH<sub>3</sub>) from a rail car to storage. The NH<sub>3</sub> will be used in a Selective Catalytic Reduction (SCR) system to control NO<sub>x</sub> 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.