



550 HP Acid Gas Reciprocating Compressor Package (Custom Unit)

COMPASS MODEL NO: EM550-RAR4

Application:	Acid Gas Injection
Location:	Pouce Coupe, British Columbia
Customer Objective:	An acid gas injection reciprocating compressor package
Design Challenges:	Acid gas composition 50% H ₂ S, 40% CO ₂ , 10% H ₂ O
Compass Solution:	Compass constructed a custom 5-stage, reciprocating, electric drive, acid gas injection package.

This package required a high level of engineering to ensure operability and a minimal level of maintenance. It incorporated Compass' acid gas injection standards which includes full stainless steel process construction. This unit was designed to minimize process flaring and potential emissions.

Major Equipment Specifications

Compressor:

Ariel JGR/4, (1) 17.25" R, (1) 13.00" R, (1) 8.375" R, (1) 7.00" R-CE, (1) 3.625" R-HE cylinders

Drive:

TECO-Westinghouse 550 HP electric motor, 1200 rpm, 4160 V / 3 PH / 60 Hz

Air Cooler:

Air-X-Limited 132EF forced draft cooler assembly, complete with warm air recirculation

Control Panel:

Allen Bradley – Compact Logix PLC control system

Other Features:

Full stainless steel weld package (vessels, piping, valves and instrumentation)

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