



250 HP Oil Sands Solvent Recovery Module (Custom Unit)

COMPASS MODEL NO: EM250-RAJ4 (PROCESS)

- Application:** Solvent Recovery Module
- Customer Objective:** An oil sands process solvent recovery module
- Design Challenges::**
- Asphaltene build-up
 - Corrosive gasses
 - Handling of light liquids dropping out in the intercoolers and final stage condenser
- Compass Solution:** Compass engineered a custom 3-stage vapour recovery compressor package designed for a corrosive application. The final design included a discharge economizer, condenser and LT separator to address the unique design challenges of this project.
*Sour gas process module

Major Equipment Specifications

Compressor:
Ariel JGA4 complete with (2) 10.50", (1) 8.50" & (1) 4.75" cylinders

Drive:
250 HP electric motor, 1200 rpm, 600V / 3PH / 60 Hz

Control Panel:
Allen Bradley – Compact Logix PLC control panel complete with accessories

Other Features:
Condensing module on discharge, including gas-gas exchanger, chiller and discharge separator

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