



## Sweet Natural Gas Compressor Package (International)

Compass Model No: CT1004-RAT2-1

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| <b>Application:</b>        | Sales Gas Compressor  |
| <b>Location:</b>           | Xyris Gas Processing Facility, Dongara, Perth Basin, Western Australia  |
| <b>Customer Objective:</b> | Compass designed a single-stage, two-throw, 1004 HP, reciprocating compressor package. A shaft-driven, forced-draft, aftercooler to suit high summer ambient temperatures was mounted separately to the three piece skid package. |

### Major Equipment Specifications

#### Compressor

- Ariel JGT/2, 2-throw, 1-stage compressor frame
- STAGE 1: (2) 6-3/8ET, 152.400 mm bore cylinder
- 1650 psig MAWP complete with Variable Volume Clearance Pocket

#### Drive

Caterpillar G3512 LE natural gas engine, rated 1004 HP at 1400 RPM

#### Air Cooler

Air-X 108FF2 forced draft cooler

#### Control Panel

Allen Bradley CompactLogix PLC based control panel

#### Other Features

- Overhead sunshade and weather structure with integrated lube oil tanks and service gantry.
- Australia Standard Compliant Package





**Design Challenges:** Meeting Australian Standards, and as well as a relatively high customer specification requirement.

**Compass Solution** Compass drew upon the experienced personnel within their team to work collaboratively with the customer to ensure compliance to requisite standards and requirements, proactively seeking optimization opportunities for all parties.

The package was designed as a 3-piece skid allowing containerized vs. breakbulk shipping, significantly reducing overall transport cost, while providing ample space for maintenance and operation around the package.

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