



BIDVEST TAMWORTH Tamworth Australia

Type of facility: Food Service Distribution Center

| | |
|---|--|
| Owner: Bidvest Australia Limited | Results/Benefits Delivered <ul style="list-style-type: none"> ◦ Total ammonia charge: 220kg (484 lbs) ◦ Ammonia charge in all evaporators: 5kg (11lbs) ◦ Reduction in operating cost*: 40% ◦ Other: <ul style="list-style-type: none"> ◦ Carbon tax levy reduced ◦ Return on investment: 33% |
| Location: Tamworth NSW, Australia | |
| Installer: Scantec Refrigeration Technologies pty.ltd. | |
| Floorspace: 1200 m ² (12900 sq ft) | |
| Total refrigeration load: 126kW (36 TR) High stage (+4 deg C) Capacity: 83kW Low stage (-25 deg C) Capacity: 43kW | |
| Two-stage with VFD direct drive reciprocating compressors and evaporative condenser. | |
| *Compared to air-cooled HFC solution | |

“The Heat Transfer Experts”

Colmac Advanced Direct Expansion(ADX)

Benefits:

» *Significantly smaller ammonia charge*

- 7 lbs/TR vs 30 lbs/TR for pumped bottom feed
- Reduced health and safety risks
- Reduced regulatory burden (< 10,000 lbs)
- Faster defrost cycle

» **Energy efficient**

» **Lower first cost***

» **Simple operation**

*Compared to traditional pumped ammonia



CE(PED) Certification, ASME Sec. VIII, Canadian Registration Number, UL508, Canadian Standards Association



CRN



CSA

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