

LAUNCH MEMO



Data Aire, Inc. unveils a new line of innovative precision cooling units to provide enhanced energy savings and increased capacity modulation. The new **gForce Ultra** line is the industry's first computer room air conditioner (CRAC) designed with the most advanced variable speed technology to effectively manage fluctuating cooling demands, guarantee accurate cooling and achieve unsurpassed energy savings.



The most notable feature in the new **gForce Ultra** is the application of variable speed compressors. While fixed speed compressors run at a constant speed to handle given capacity requirements, the variable speed compressor is able to modulate via the variable frequency drive resulting in increased energy savings, quieter operation, and improved scalability. To round out the energy efficient features of the **gForce Ultra**, units are also equipped with a Variable Frequency Drive, Electronic Expansion Valve, Venturi-Flo Refrigerant Distributor, Backward Curved Plenum fans and rifle tubing coils.

gForce Ultra Models and Capacities

- Single Circuit DX – 36 and 45 kW capacities
- Dual Circuit DX – 56, 70 and 106 kW capacities

gForce Ultra Features & Benefits:

- Up to 24% Energy Savings* over standard precision cooling equipment
- Adapts to required cooling demands & retains precise set point
- Ideal for data centers with varying (heat) loads
- Increased energy savings at part load; helps reduce power consumption as capacity ranges flex
- More accurate temperature control
- Reduced compressor wear & tear
- Slowly ramps up inrush to avoid surges (soft start)
- Achieves greater turndown while saving energy. Turn down ratio is 4:1
- Flexible capacity ranges from 4 to 34 tons (13 to 119 kW)

gForce Ultra Sales Tools:

- Marketing Brochure
- User Manual – Online Soon
- Diagrams
- PSG
- gForce Ultra Payback Calculator for potential Energy Savings

Reference Data Aire's PSG for product performance and pricing information.

* Based on performance of gForce Ultra Single Circuit GUXX-036 unit, at 30% extra cooling capacity. Reference gForce Ultra Payback Calculator for energy savings of other gForce Ultra models.