

An Array of Solutions



- DX Units up to 120 tons
- Air Handlers providing Sub-Freezing air
 - EGW / PG supply at 20°F (-6.7 °C)
 - Chilled Water + EGW / PG for higher energy efficiency.
- Hybrid CW + DX Units for Sustained Supply of Sub-Freezing Air
- High Pressure Military Air Conditioners (F35 Compatible)
- An Array of aircraft service pits, including Pop-Up and Hatch
- Ground Power Systems
- Design, Installation and Project Management
- After Sales Service and Spare Parts



F35 Design Elements

The BGSE Group “Cool Jet”, CAS design is a dedicated high pressure pre-conditioned air unit designed for hangar, shelter and remote parking positions. The “Cool Jet” design also is used for both fixed and mobile applications with electric and/or diesel driven generator to make this design the most advanced and flexible design on the market.

The BGSE Group “Cool Jet” is also paired with 400 Hz, 270 VDC and 28 VDC Power Supply. Where needed, this advanced air unit can be combined with all the aircraft power needs as well as PCAir needs. This is ideal for remote locations where one piece of equipment can service all the power and PCAir needs in a compact layout.

The “Cool Jet” design features an easy user interface where, at customer's request, it can be programmed for multiple different aircraft requirements. The unit comes standard with the F35 JSF performance parameters for both fixed and mobile Lockheed Martin design specification requirements. The unit is ready for expanded service needs of the F15 Eagle, F16 Falcon, F18 Hornet, EFA Typhoon, Mirage, T-50/FA-50 and JAS 39 Gripen performance requirements.



- 360,000 Btu/Hr. (106 KW) Cooling Capacity
- 46-90 PPM at 7.0 PSI
- 0.35 Kg/s to 0.69 Kg/S at 36 KPA)
- Design Ambient 95°F DB / 75°F WB
- 35°C DB / 24°C WB
- Integrated Electrical Panel
- Standard & Digital Scroll Compressor
- High quality direct drive axial condenser fans
- High Static Evaporator Blower
- Discharge Air Temperature Sensor
- Programmable Logic Controller (PLC)
- Galvanized steel cabinet with white powder coat finish
- 100% Outside Air
- Hinged access doors with tool-access latches
- Copper tube/aluminum fin coils
- R-410a
- 8" (200 mm) Flange Outlet Connection
- Integrated Disconnect
- Optional Remote Air Temperature Sensor
- Smoke Detector
- Integrated Air Flow Measuring
- Low Ambient Operation to -15°F (-26°C)
- Phase Monitor
- Electronic Hot Gas Bypass
- Adjustable Airflow



BGSE GROUP is an international supplier of only the highest quality aerospace products. Our company is committed to 100% on time supply, zero defects and customer satisfaction. Our core focus is on turnkey, one-stop-shop. B GSE Group has the experience to work on design build projects, with architects, engineering groups, general contractors, electrical contractors, mechanical contractors as well as installers, purchasers and maintenance groups.

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