BGSE COOL JET

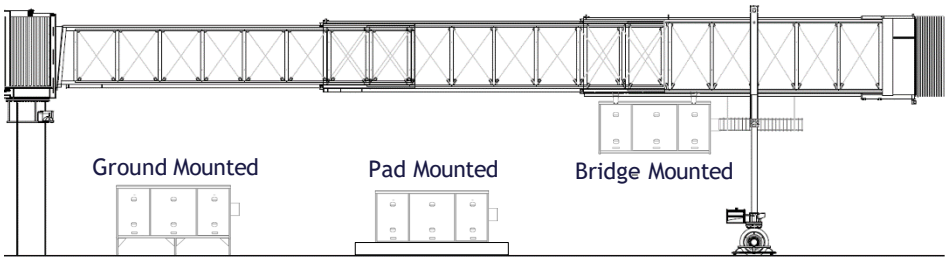
Point-of-Use (PoU) PCAir - 60Hz Glycol/Chilled Water Air Handler

Top Performing Cooling and Heating Built to Last.

IMPROVE YOUR AIR.

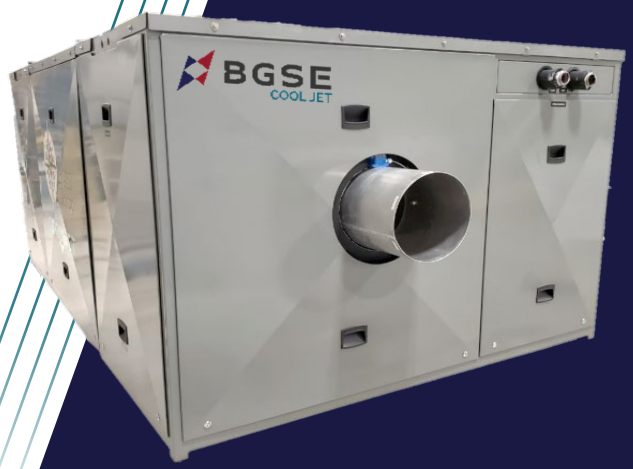
- Built with the quality to last decades
- Cooling and heating performance exceeding aircraft requirements
- Customer-focused features and options, like special air filtration and minimized defrost cycles

Email: sales@ bgsegroup.com
Web: www.bgsegroup.com



ADVANCED HMI

- Auto airplane detection with VDS interface
- Airplane model selection
- Touchscreen and auxiliary bezel buttons for gloved hands



Components by Model

		BGAC030	BGAC045	BGAC060	BGAC90	BGAC120
1 2 3	Blower TEFC Blower Motor Blower Motor VFD	20-HP	30-HP	50-HP	60-HP	80-HP
4	Electrical Box	✓	✓	✓	✓	✓
5	Main Air Outlet	✓	✓	✓	✓	✓
6	Optional PBB Cool Outlet	✓	✓	✓	✓	✓
7	Optional 2nd Air Outlet			✓	✓	✓
8	Stage 1 Cooling Coil	✓	✓	✓	✓	✓
9	Stage 2 Cooling Coil	✓	✓	✓	✓	✓

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BUY AMERICA COMPLIANT

ISO 9001:2015 CERTIFIED

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Point-of-Use (PoU) PCAir Glycol/Chilled Water Air Handler

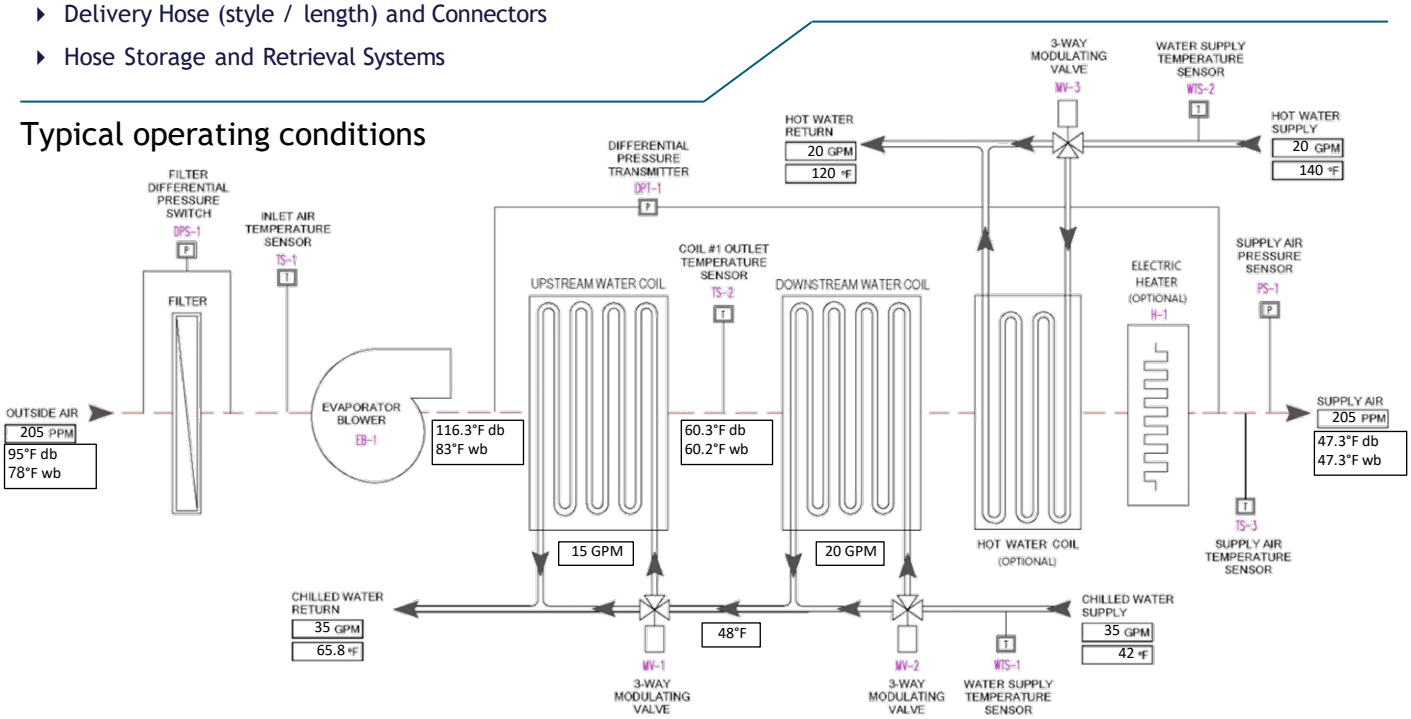
Design Ambient:	95°F (35.0°C) dry bulb 78.0°F (25.6°C) wet bulb		**Ambient Limits:**	-40°F (-40°C) to +125°F (+51.7°C) 0%-100% RH	
Model Number/Capacity	BGAC030A / 30-ton	BGAC045A / 45-ton	BGAC060A / 60-ton	BGAC090A / 90-ton	BGAC120A / 120-ton
Electrical (V / Ph / Hz)	480 V / 3 P / 60Hz				
Cooling FLA / MCA	27 / 34	51 / 63	63 / 78	75 / 93	93 / 116
Cooling ROP / MOP	45 / 50	80 / 110	90 / 125	110 / 150	150 / 200
Standard Heater Large Heater kW - MCA / ROP / MOP Per NEC 440.33	30 kW - 58/60/60 36 kW - 67/70/70	36 kW - 76/110/110 54 kW - 103/110/110	54 kW - 107/110/125 72 kW - 134/150/150	72kW - 138/150/150 90 kW - 166/175/175	90 kW - 172/200/200 120 kW - 199/200/200
	ROP = Recommended Overcurrent Protection device based on soft-start blower. MOP = largest overcurrent protection device allowed.				
Blower	20 BHP, Centrifugal	40 BHP, Centrifugal	50 BHP, Centrifugal	60 BHP, Centrifugal	80 BHP, Centrifugal
Mass Airflow (Variable)	180 ppm @ 24 "WG	284 ppm @ 28 "WG	340 ppm @ 30 "WG	480 ppm @ 36 "WG	588 ppm @ 42 "WG
Mass Airflow (Variable) Volumetric Airflow	1.36 kg/s @ 6.1 kPa 2,430 CFM (4126 m³/h)	2.15 kg/s @ 7.1 kPa 3,830 CFM (6510 m³/h)	2.57 kg/s @ 7.6 kPa 4,590 CFM (7790 m³/h)	3.63 kg/s @ 9.2 kPa 6,480 CFM (11,000 m³/h)	4.45 kg/s @ 10.7 kPa 7,940 CFM (13,480 m³/h)
Discharge Air Temp	24 to 40°F (-7.2 to 4.4 °C) | Defrost interval: 20-90 Min.				
Sound Level	79 dBA average @ 15 ft.				
Cooling Coils	6 row / 4-row, tube material Cu / fin material Al (enhances)				

Meets Airbus Compliance Document for Suppliers X21RP1146224_v7, Boeing Aircraft Maintenance Manuals (AMM) and Facility Planning Guides IATA AHM 974 and IATA AHM 997, AHRI-410. Listed by ETL to UL-1995:2015. Specifications subject to change without notice.

Optional Features

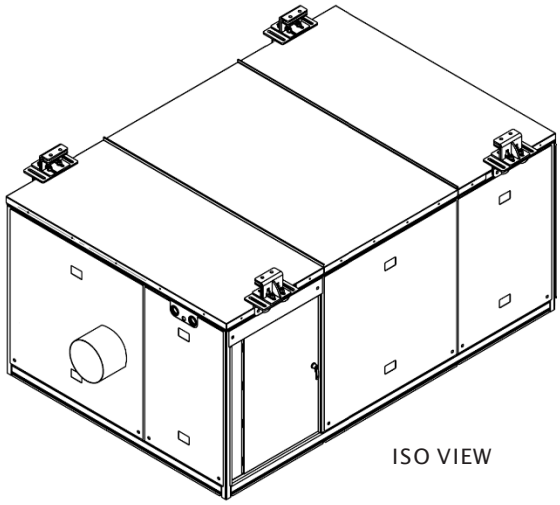
- Single or Dual Hose Outlets + Bridge Cool
- Apron Management System Interface (Ethernet or Modbus)
- Boarding Bridge Cooling / Heating and Controls
- Delivery Hose (style / length) and Connectors
- Hose Storage and Retrieval Systems
- Coil Coating: Baked Phenolic Epoxy (25 microns), High Performance coating from Heresite®
- Standard and High-Capacity Heating Coils
- Aircraft Cabin or Bridge Temperature Probes

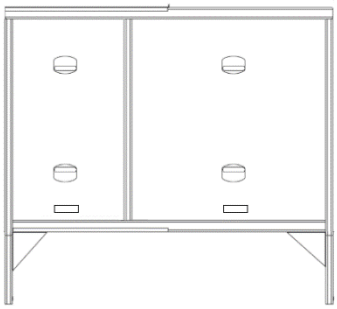
Typical operating conditions

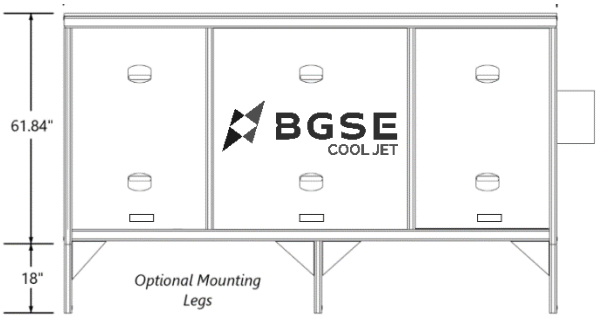


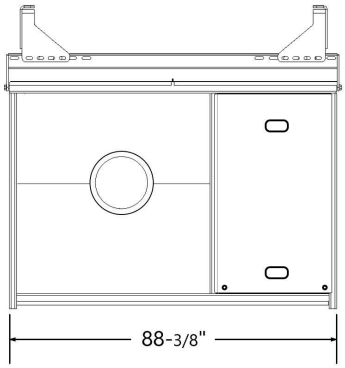
Point-of-Use (PoU) PCAir
Glycol/Chilled Water Air Handler

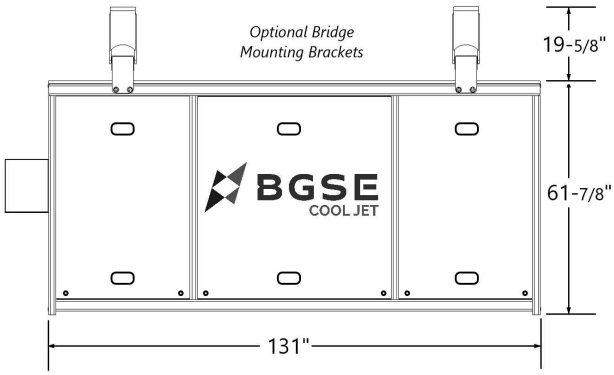
Weights	
30-ton	2,700 lbs. (1,225 kg)
45-ton	2,800 lbs. (1,270 kg)
60-ton	2,900 lbs. (1,315 kg)
90-ton	3,200 lbs. (1,451 kg)
120-ton	4,600 lbs. (2,087 kg)











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Our core focus is turn-key, integrated solutions. BGSE has the experience to execute design-build projects with architects, engineering firms, general contractors, electrical contractors, mechanical contractors and all installation and maintenance companies.

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