

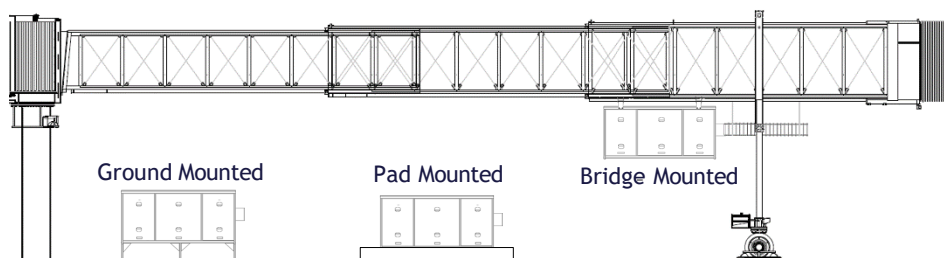


Point-of-Use (PoU) PCAir - 60Hz Glycol/Chilled Water Air Handler

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

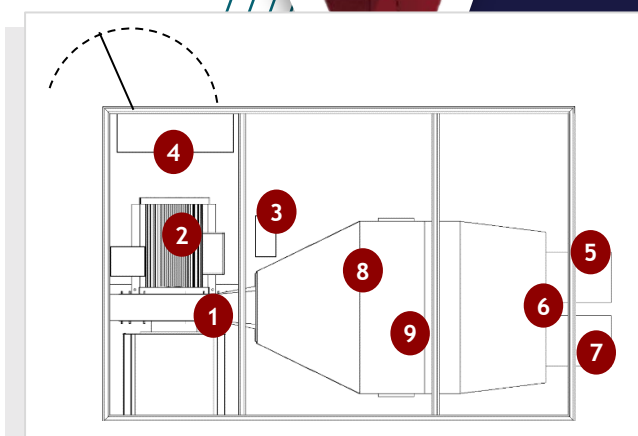


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Components by Model

	BGAC030	BGAC045	BGAC060	BGAC90	BGAC120
1 Blower					
2 TEFC Blower Motor					
3 Blower Motor VFD					
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	✓	✓	✓	✓	✓

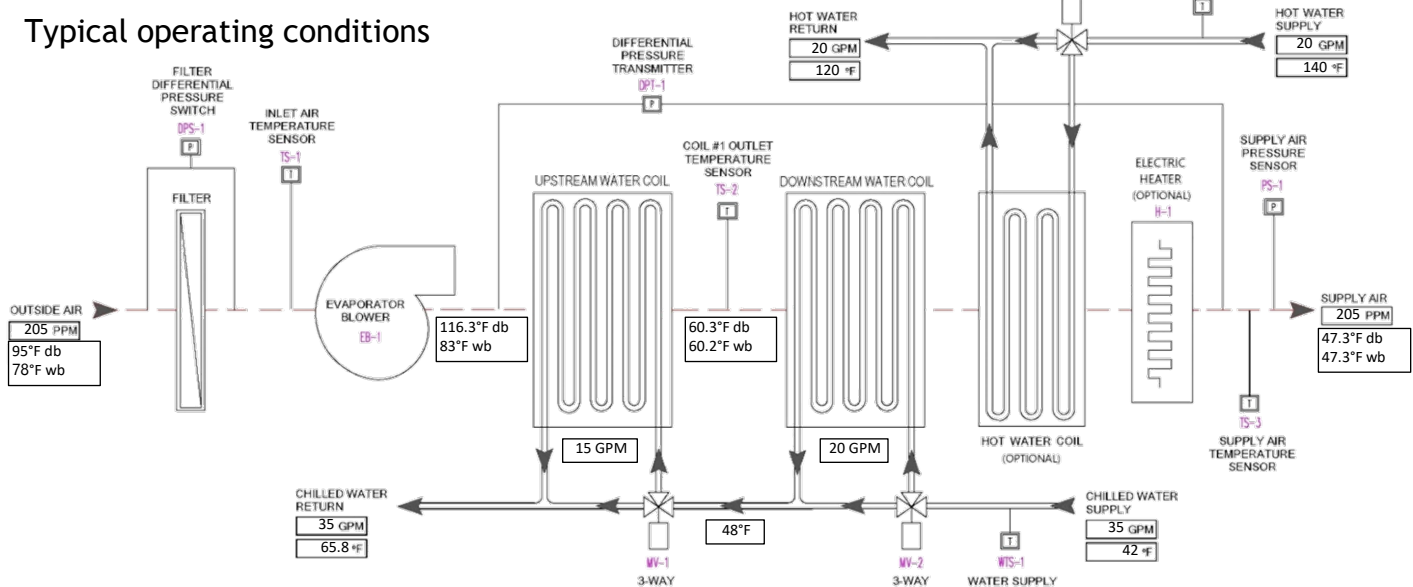


Design Ambient:	95°F (35.0°C) dry bulb 78.0°F (25.6°C) wet bulb				
	Ambient Limits: -40°F (-40°C) to +125°F (+51.7°C) 0%-100% RH				
Model Number/Capacity	BGAC030A / 30-ton	BGAC045A / 45-ton	BGAC060A / 60-ton	BGAC090A / 90-ton	BGAC120A / 120-ton
Electrical (V / Ph / Hz)	400 V / 3 P / 50Hz				
Cooling FLA / MCA	32 / 40	60 / 75	75 / 93	89 / 111	110 / 138
Cooling ROP / MOP	45 / 60	80 / 125	100 / 150	125 / 175	150 / 225
Standard Heater	30 kW - 69/70/70	36 kW - 90/90/90	54 kW - 128/150/150	72kW - 166/175/175	90 kW - 206/225/225
Large Heater	36 kW - 79/80/80	54 kW - 122/125/125	72 kW - 160/175/175	90 kW - 198/200/200	120 kW - 239/250/250
kW - MCA / ROP / MOP Per NEC 440.33	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)	1.36 kg/s @ 6.1 kPa	2.15 kg/s @ 7.1 kPa	2.57 kg/s @ 7.6 kPa	3.63 kg/s @ 9.2 kPa	4.45 kg/s @ 10.7 kPa
Volumetric Airflow	2,430CFM (4126 m³/h)	3,830 CFM (6510 m³/h)	4,590 CFM (7790 m³/h)	6,480 CFM (11,000 m³/h)	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

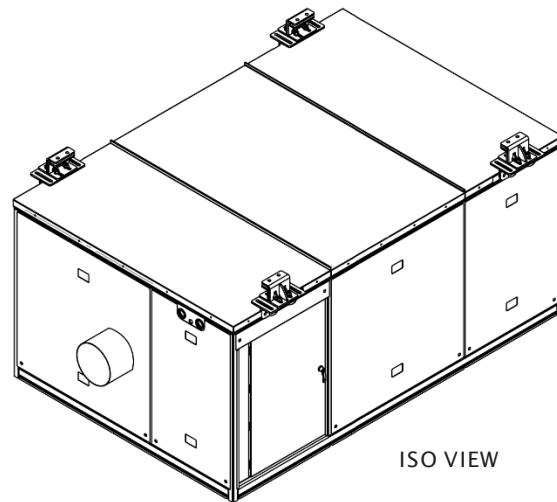
Typical operating conditions



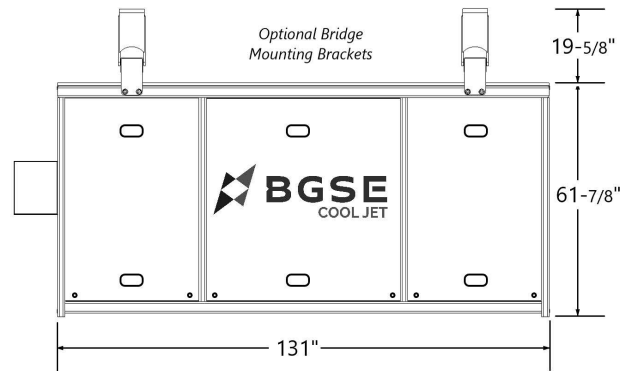
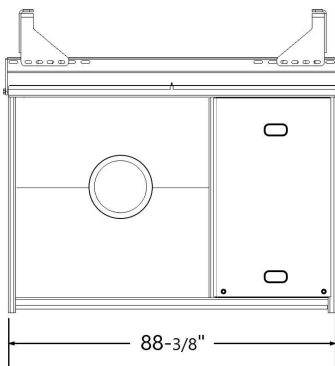
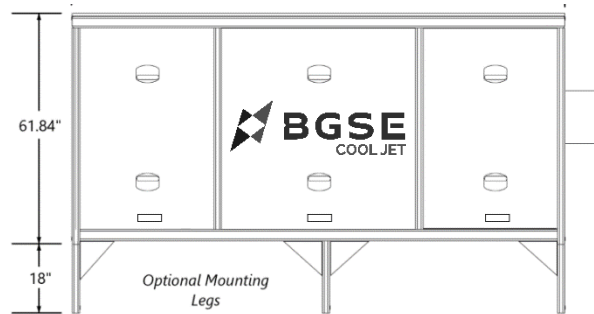
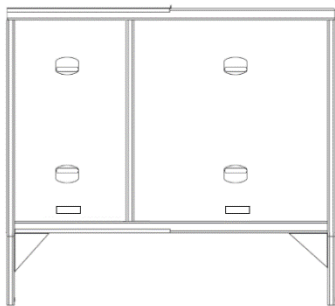


Point-of-Use (PoU) PCAir Glycol/Chilled Water Air Handler

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)



ISO VIEW



BGSE is an international supplier of the highest quality aerospace support products. We're committed to 100% on time supply, zero defects, and complete customer satisfaction.

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.

