



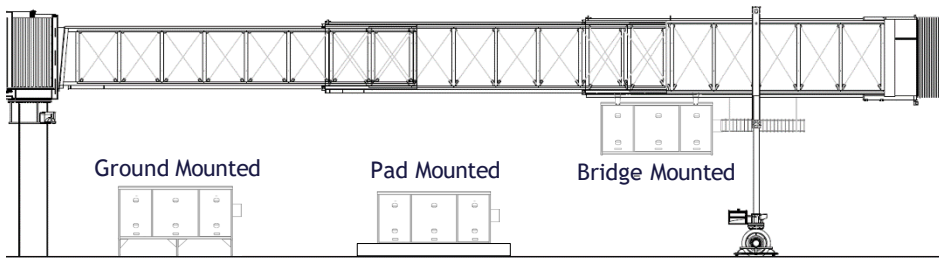
# Point-of-Use (PoU) PCAir - 50Hz Glycol/Chilled Water Air Handler

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](mailto:sales@bgsegroup.com)  
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### Components by Model

	BGAC030	BGAC045	BGAC060	BGAC90	BGAC120
1 Blower					
2 TEFC Blower Motor	20-HP	30-HP	50-HP	60-HP	80-HP
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	✓	✓	✓	✓	✓

### ADVANCED HMI

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

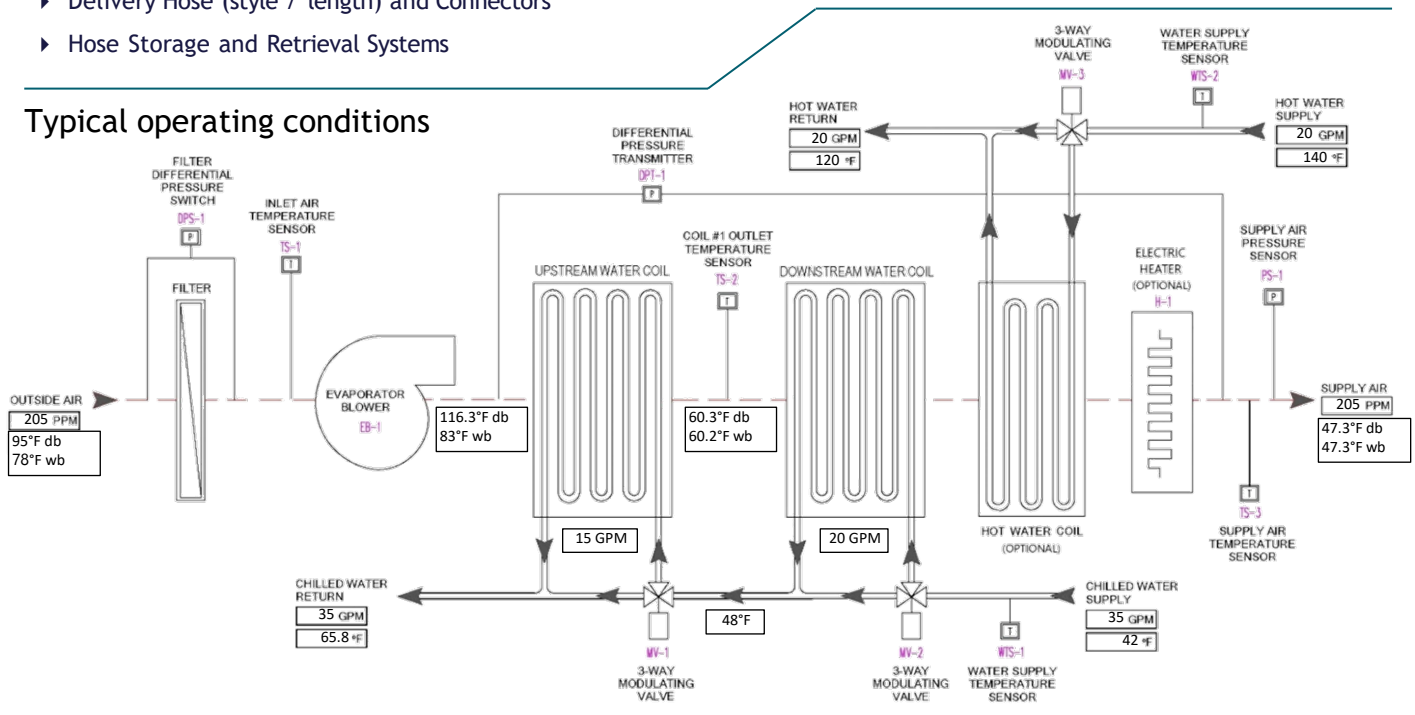


<b>Design Ambient:</b>	95°F (35.0°C) dry bulb 78.0°F (25.6°C) wet bulb				<b>Ambient Limits:</b>	-40°F (-40°C) to +125°F (+51.7°C) 0%-100% RH			
<b>Model Number/Capacity</b>	BGAC030A / 30-ton	BGAC045A / 45-ton	BGAC060A / 60-ton	BGAC090A / 90-ton	BGAC120A / 120-ton				
<b>Electrical (V / Ph / Hz)</b>	400 V / 3 P / 50Hz								
<b>Cooling FLA / MCA</b>	32 / 40	60 / 75	75 / 93	89 / 111	110 / 138				
<b>Cooling ROP / MOP</b>	45 / 60	80 / 125	100 / 150	125 / 175	150 / 225				
<b>Standard Heater</b>	30 kW - 69/70/70	36 kW - 90/90/90	54 kW - 128/150/150	72kW - 166/175/175	90 kW - 206/225/225				
<b>Large Heater</b>	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				
<b>kW - MCA / ROP / MOP</b> Per NEC 440.33	ROP = Recommended Overcurrent Protection device based on soft-start blower. MOP = largest overcurrent protection device allowed.								
<b>Blower</b>	20 BHP, Centrifugal	40 BHP, Centrifugal	50 BHP, Centrifugal	60 BHP, Centrifugal	80 BHP, Centrifugal				
<b>Mass Airflow (Variable)</b>	180 ppm @ 24 "WG	284 ppm @ 28 "WG	340 ppm @ 30 "WG	480 ppm @ 36 "WG	588 ppm @ 42 "WG				
<b>Mass Airflow (Variable)</b>	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				
<b>Volumetric Airflow</b>	2,430 CFM (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)				
<b>Discharge Air Temp</b>	24 to 40°F (-7.2 to 4.4 °C)   Defrost interval: 20-90 Min.								
<b>Sound Level</b>	79 dBA average @ 15 ft.								
<b>Cooling Coils</b>	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

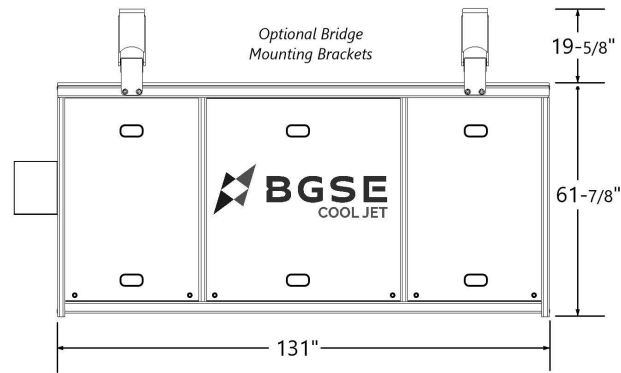
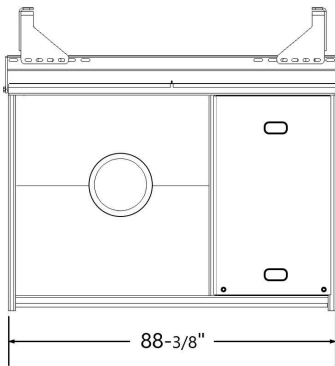
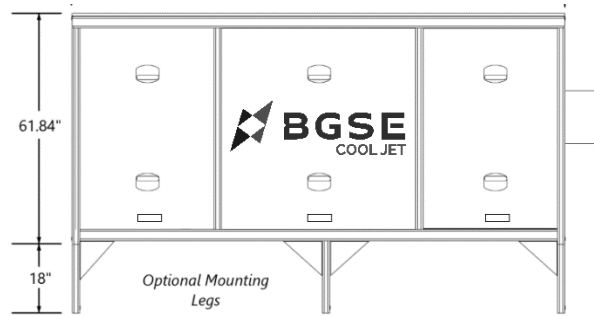
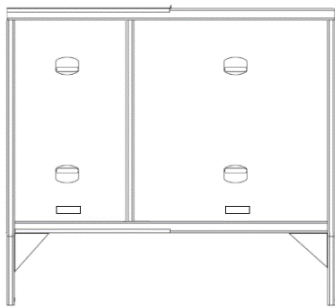
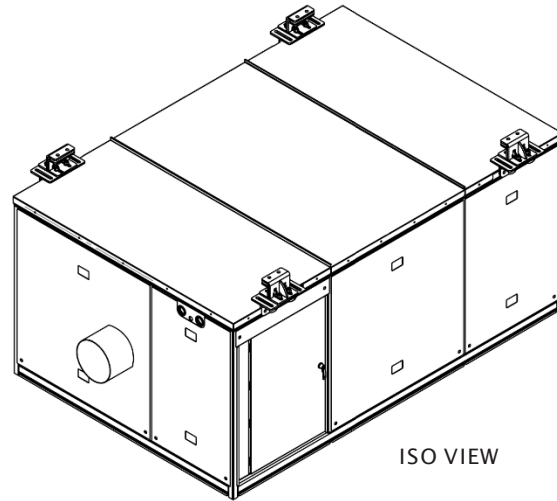
## Typical operating conditions





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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