

AHU PCAir Chilled Water / Glycol

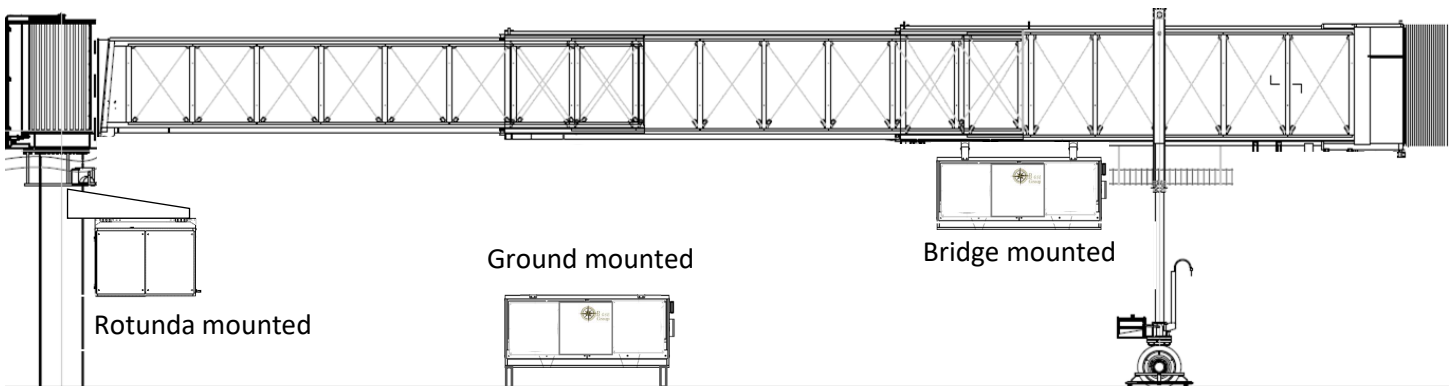
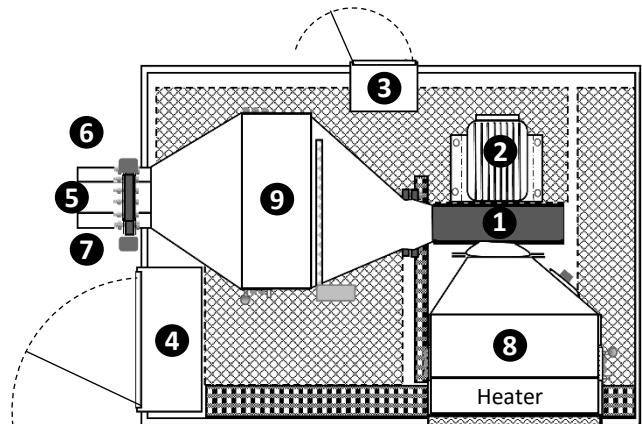


- ✦ Built with the quality to last decades
- ✦ Customer-pleasing performance on day 1
- ✦ Supported by an agile, engineering-minded company focused on service excellence



BGAC030A BGAC045A BGAC060A BGAC090A BGAC120A

	20-hp	30-hp	50-hp	60-hp	80-hp
❶ Blower					
❷ TEFC Blower Motor					
❸ Blower Motor VFD					
❹ Electrical Box	✓	✓	✓	✓	✓
❺ Main Air Outlet	✓	✓	✓	✓	✓
❻ Optional PBB Cool Outlet	✓	✓	✓	✓	✓
❼ Optional 2 nd Air Outlet			✓	✓	✓
❽ Stage 1 Cooling Coil	✓	✓	✓	✓	✓
❾ Stage 2 Cooling Coil	✓	✓	✓	✓	✓



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Design Ambient:

 95°F (35.0°C) dry bulb
 78.0°F (25.6°C) wet bulb

Ambient limits:

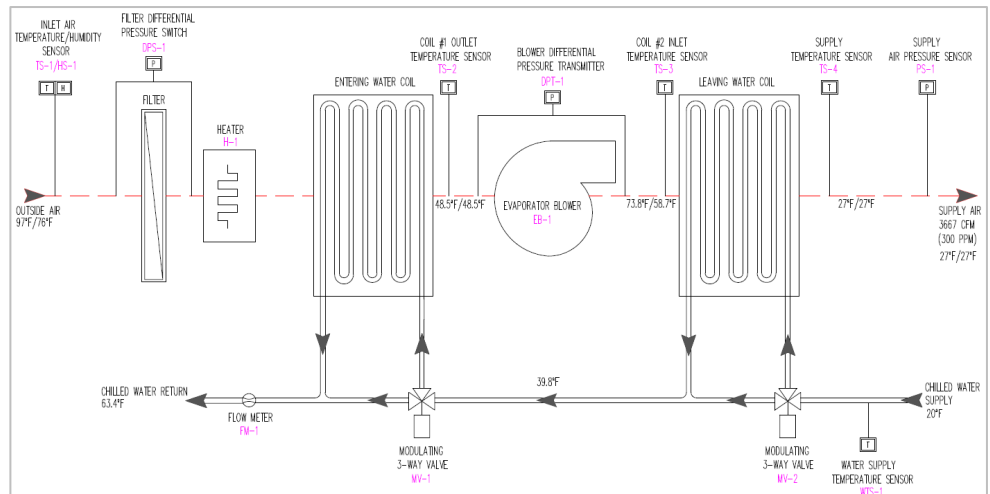
 -40°F to +125°F
 0%-100% RH

	BGAC030A 30-ton	BGAC045A 45-ton	BGAC060A 60-ton	BGAC090A 90-ton	BGAC120A 120-ton
Electrical per NEC 440.33					
Voltage / Frequency	480 V / 3P / 60 Hz	480 V / 3P / 60 Hz	480 V / 3P / 60 Hz	480 V / 3P / 60 Hz	480 V / 3P / 60 Hz
Cooling Amps MCA / MOP	37 A / 50 A	44 A / 60 A	77 A / 100 A	90 A / 125 A	135 A / 200 A
Heater Options	30 kW 36 kW	30 kW 36 kW	30 kW 36 kW	36 kW 56 kW	36 kW 56 kW
Heater Amps MCA / MOP	80 / 100 90 / 100	95 / 125 104 / 125	124 / 175 133 / 175	148 / 225 179 / 250	105 / 125 113 / 150
Blower	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Motor Hp	20 BHP	30 BHP	50 BHP	60 BHP	80 BHP
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	2,430 CFM 4,126 m³/h	3,830 CFM 6,510 m³/h	4,590 CFM 7,790 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)	24 to 40°F (-7.2 to 4.4 °C)	24 to 40°F (-7.2 to 4.4 °C)	24 to 40°F (-7.2 to 4.4 °C)	24 to 40°F (-7.2 to 4.4 °C)
Sound Level	85 dBA @ 15 Ft.	85 dBA @ 15 Ft.	85 dBA @ 15 Ft.	85 dBA @ 15 Ft.	85 dBA @ 15 Ft.
Cooling Coils	8-row, tube/fin	8-row, tube/fin	8-row, tube/fin	8-row, tube/fin	8-row, tube/fin
EGW Ent. Temp / Flow	20°F / 18 gpm	20°F / 30 gpm	20°F / 65 gpm	20°F / 60 gpm	20°F / 80 gpm
Max. Pressure Drop	18 psig	30 psig	60 psig	54 psig	74 psig
Defrost interval	60-90 Min	60-90 Min	60-90 Min	60-90 Min	60-90 Min

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. Labeling Process by ETL to UL-1995. 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
- VFD Drives on Blower / Condenser Fan Motors
- Standard and High-Capacity Heating Coils
- Aircraft Cabin or Bridge Temperature Probes
- Optional PLC Manufacturers


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 Systems

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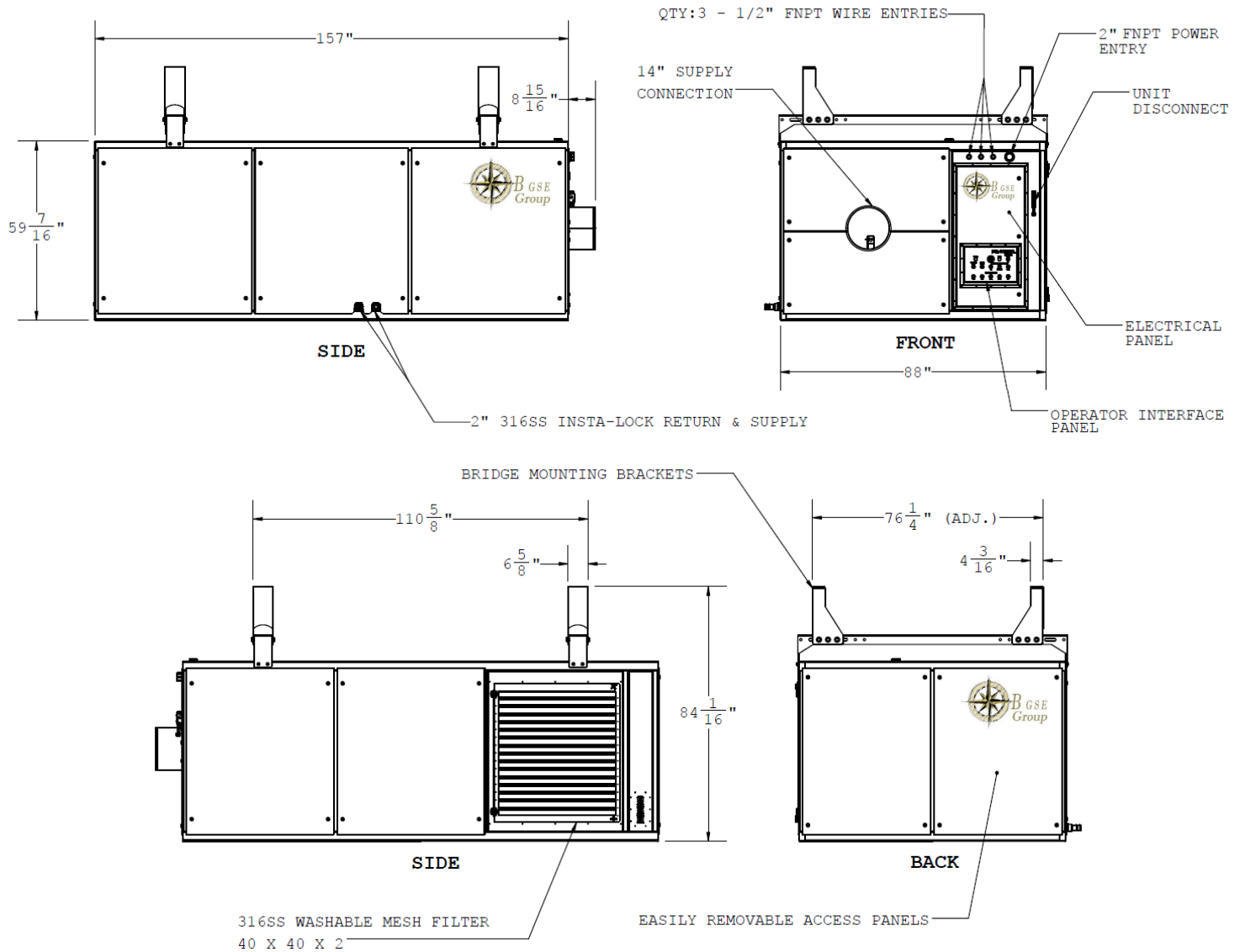

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Chilled Water / Glycol



Dimensions / Weight

Length	157 in (3988 mm)
Width	88 in (2235 mm)
Height	60 in (1524 mm)
Weight (30-ton)	2,700 lbs. (1,225 kg)
Weight (45-ton)	2,700 lbs. (1,225 kg)
Weight (60-ton)	2,900 lbs. (1,315 kg)
Weight (90-ton)	3,200 lbs. (1,451 kg)
Weight (120-ton)	4,600 lbs. (2,087 kg)



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