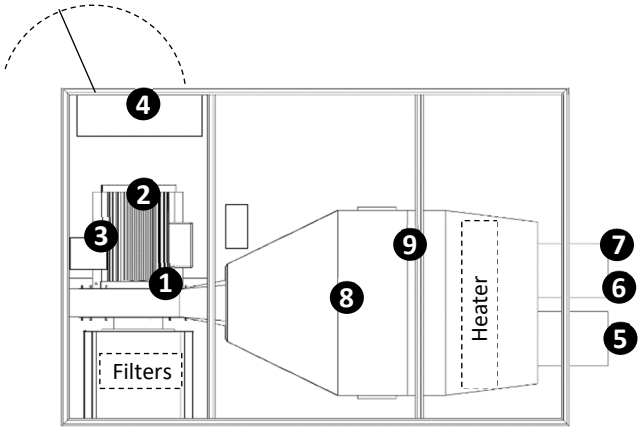
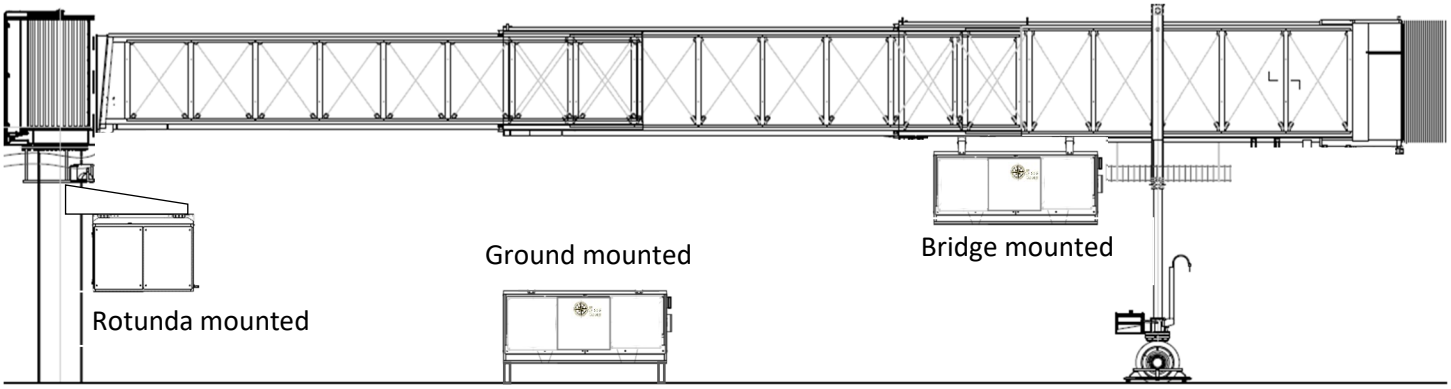
AHU PCAir Chilled Water / Glycol

- **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**

	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 2nd Air Outlet			✓	✓	✓
❽ Stage 1 Cooling Coil	✓	✓	✓	✓	✓
❾ Stage 2 Cooling Coil	✓	✓	✓	✓	✓





MADE IN USA

Exclusive Worldwide Distributor

BGSE GROUP LLC
14034 Clarendon Point Court
Huntersville, NC 28078
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AHU PCAir Chilled Water / Glycol

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	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	34 A / 60 A		49 A / 80 A		78 A / 150 A		93 A / 175 A		123 A / 225 A	
Recommended fuse (ROP)	50 A		60 A		90 A		110 A		150 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	79 / 90	88 / 100	94 / 125	103 / 125	124 / 175	133 / 175	148 / 225	178 / 250	177 / 300	207 / 300
Recommended fuse (ROP)	90 A	100 A	100 A	110 A	150 A	150 A	175 A	200 A	200 A	225 A
	ROP = Recommended Overcurrent Protection device based on soft-start blower. MOP = largest overcurrent protection device allowed.									
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) Volumetric Airflow	1.36 kg/s @ 6.1 kPa 2,430 CFM 4,126 m^3/h		2.15 kg/s @ 7.1 kPa 3,830 CFM 6,510 m^3/h		2.57 kg/s @ 7.6 kPa 4,590 CFM 7,790 m^3/h		3.63 kg/s @ 9.2 kPa 6,480 CFM 11,000 m^3/h		4.45 kg/s @ 10.7 kPa 7,940 CFM 13,480 m^3/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.

Standard Features:

- Variable airflow with a blower VFD
- Condensate removal system
- Washable metal filter
- PLC with remote communications via MSTP protocol
- Smoke detector
- Customer interface control interlocks and data points
- Lift-off access panels – 3 sides
- Reversable input chilled water connections.

Optional Features:

- Single or Dual Hose Outlets + Bridge Cool
- Apron Management System Interface (Ethernet or Modbus)
- PBB Cooling / Heating and Controls
- Delivery Hose (style / length) and Connectors
- Hose Storage and Retrieval Systems
- Condenser Fan Motor VFDs
- Standard and High-Capacity Heating Coils
- Aircraft Cabin or PBB Temperature Probes
- PLC communication via TCP protocols

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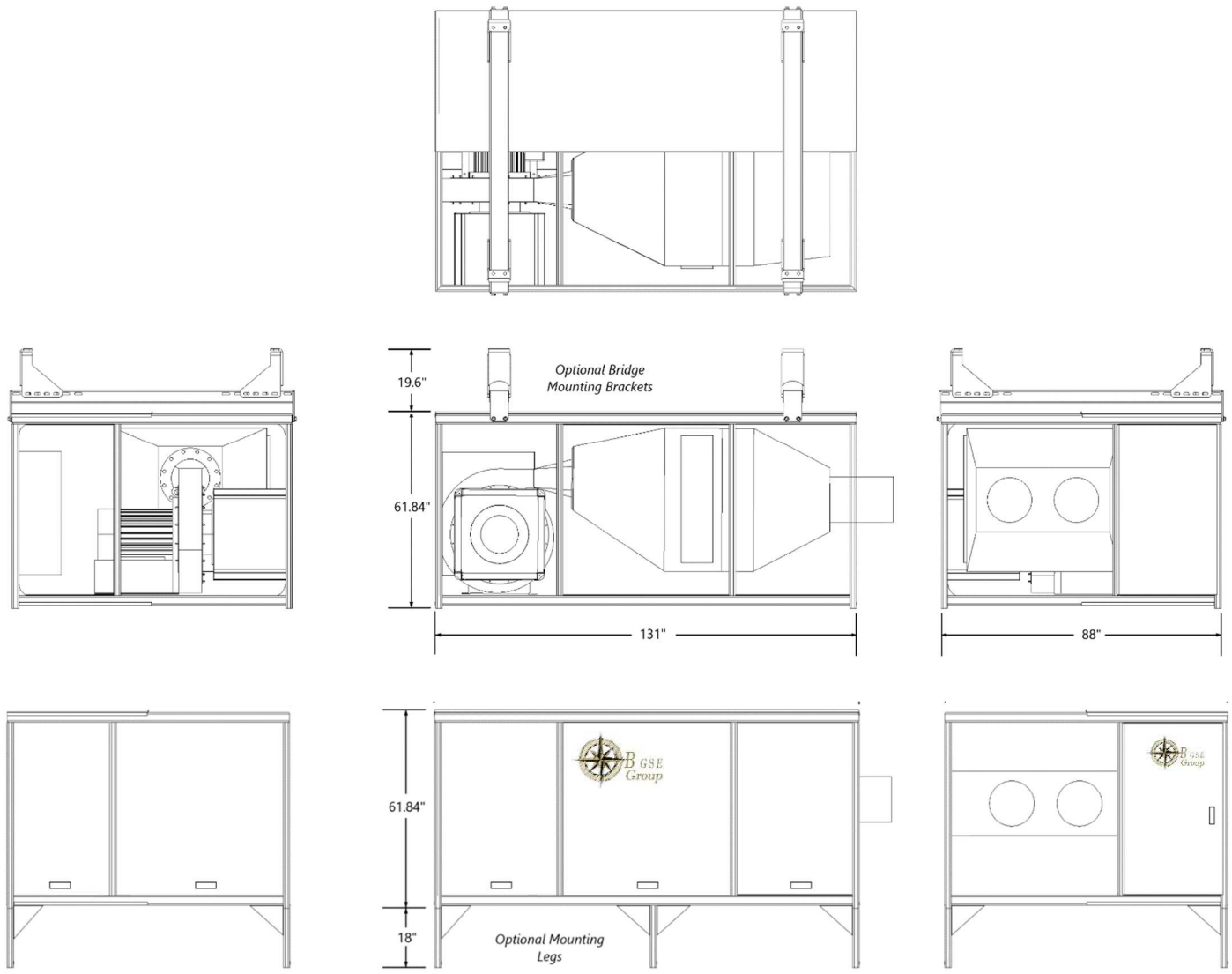

Weights	
Weight (30-ton)	2,700 lbs. (1,225 kg)
Weight (45-ton)	2,700 lbs. (1,225 kg)
Weight (60-ton)	2,900 lbs. (1,315 kg)
Weight (90-ton)	3,200 lbs. (1,451 kg)
Weight (120-ton)	4,600 lbs. (2,087 kg)

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