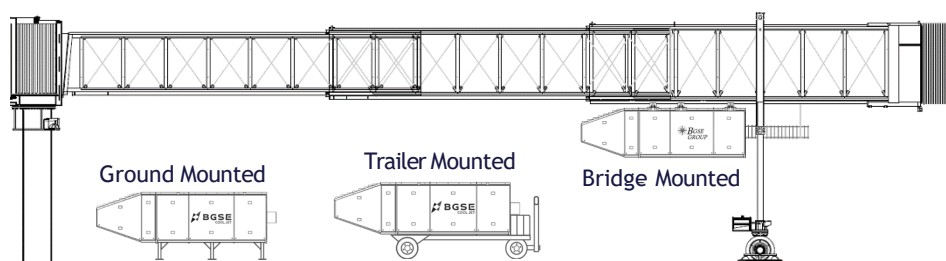




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IMPROVE YOUR AIR.

- ▶ Built with the quality to last decades
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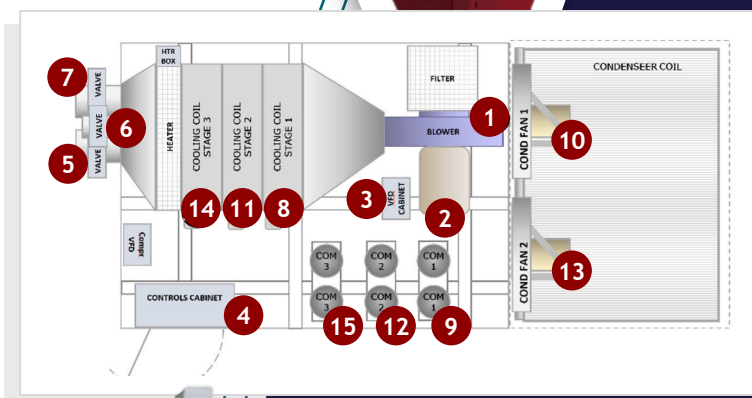
Point-of-Use (PoU) PCAir - 60Hz Air Cooled, Direct Expansion

Email: sales@bgsegroup.com

Web: www.bgsegroup.com

Components by Model

		BGAC030	BGAC045	BGAC060	BGAC90	BGAC120
1 Blower		20-HP	30-HP	50-HP	60-HP	80-HP
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		15-ton	15-ton	30-ton	30-ton	60-ton
9 Stage 1 Compressor						
10 Condensor Fan		15-ton	15-ton	30-ton	30-ton	
11 Stage 2 Cooling Coil		15-ton	15-ton	15-ton	30-ton	30-ton
12 Stage 2 Compressor						
13 Condensor Fan						
14 Stage 3 Cooling Coil			15-ton	15-ton	30-ton	30-ton
15 Stage 3 Compressor						





Point-of-Use (PoU) PCAir Air Cooled, Direct Expansion

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/Weight	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	88 A / 95 A	135 A / 143 A	179 A / 189 A	257 A / 273 A	335 A / 356 A
Cooling ROP / MOP	100 A / 125 A	150 A / 175 A	200 A / 225 A	300 A / 350 A	400 A / 450 A
Standard Heater	36 kW	54 kW	54 kW	60 kW	90 kW
Large Heater - MCA ROP / MOP per NEC 440.33	54 kW - 107 A 100 kW - 193 A	100 kW - 193 A 200 A / 200 A	100 kW - 205 A 225 A / 225 A	120 kW - 264 A 300 A / 350 A	144 kW - 326 A 400 A / 450 A
	ROP = Recommended Overcurrent Protection device based on soft-start blower. MOP = largest overcurrent protection device allowed.				
Blower	20 BHP, Centrifugal	30 BHP, Centrifugal	40 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)				
Sound Level	85 dBA @ 15 ft.				
Evaporator Coils	4-row				
Tube / Fin Material	Cu / Al (enhanced)				
Defrost Interval	20-90 Min.				
Compressors	2 x 15 Tons, Scroll	3 x 15 Tons, Scroll	4 x 15 Tons, Scroll	2 x 15, 2 x 30, Scroll	4 x 30 Tons, Scroll
Refrigerant	410A				
Condenser Coils	4-row				
Tube / Fin Material	Cu / Al (enhanced)				
Condenser Fans	2 x 5 BHP 36 in (905 mm)	2 x 5 BHP 36 in (905 mm)	2 x 7.5 BHP 36 in (905 mm)	2 x 10 BHP 36 in (905 mm)	2 x 15 BHP 36 in (905 mm)
Diameter	36 in (905 mm)	36 in (905 mm)	36 in (905 mm)	36 in (905 mm)	36 in (905 mm)
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.					

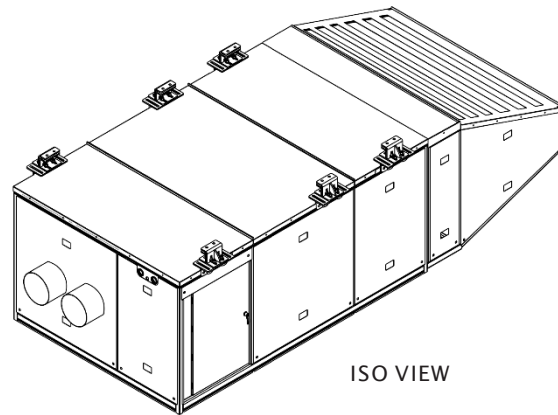
Optional Features

- ▶ 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 Phenolic Coating
- ▶ Condenser Fan Motor VFDs
- ▶ Standard and High-Capacity Heating Coils
- ▶ Aircraft Cabin or Bridge Temperature Probes

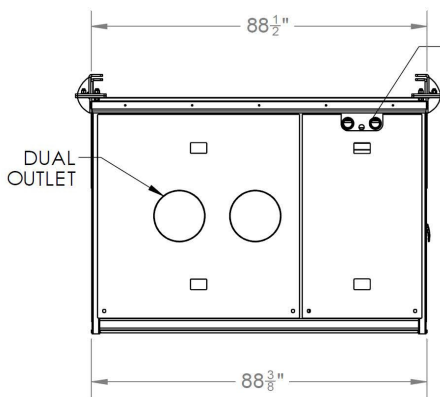


Point-of-Use (PoU) PCAir Air Cooled, Direct Expansion

Weights	
30-ton	3,735 lbs. (1,694 kg)
45-ton	4,925 lbs. (2,234 kg)
60-ton	5,285 lbs. (2,561 kg)
90-ton	8,680 lbs. (3,937 kg)
120-ton	11,074 lbs. (5,023 kg)

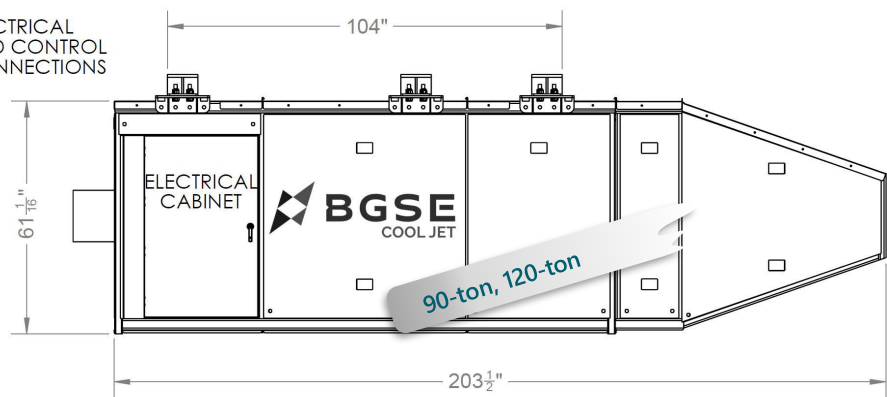


ISO VIEW

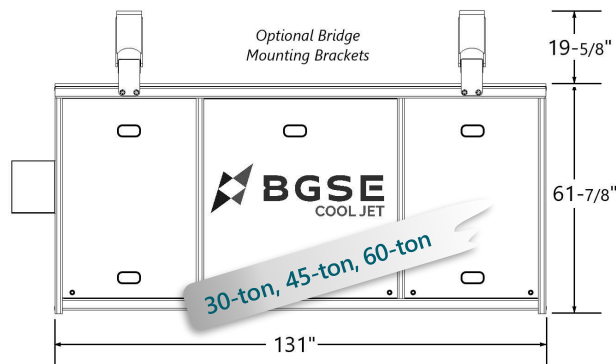
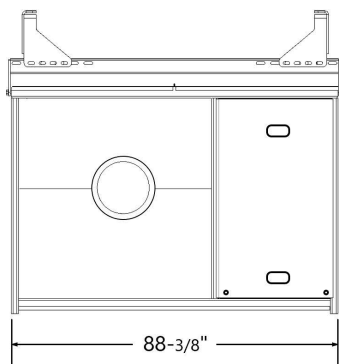


FRONT VIEW
DISCHARGE END

ELECTRICAL
AND CONTROL
CONNECTIONS



LEFT SIDE VIEW



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