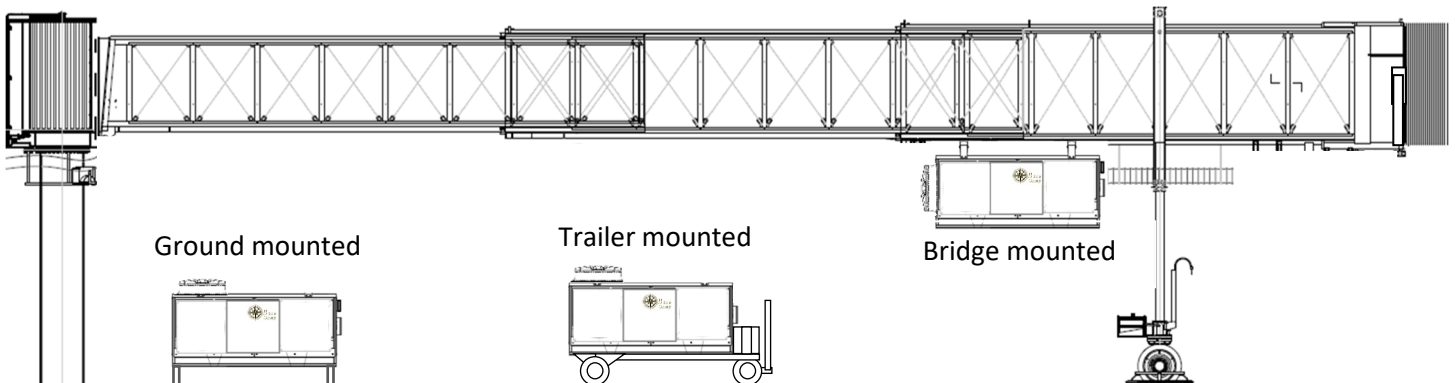
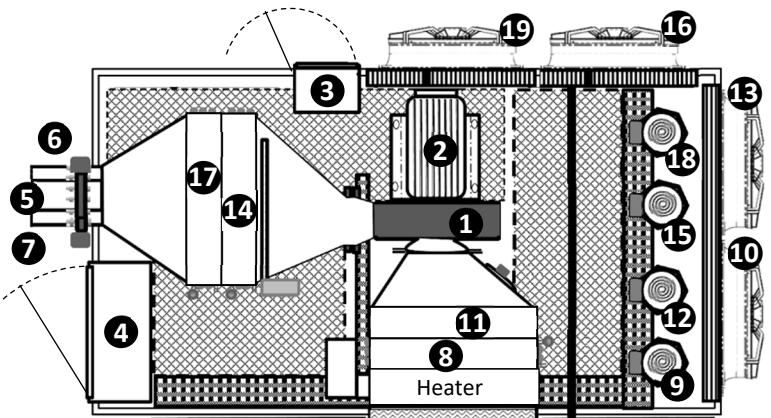


# PoU PCAir Air Cooled, Direct Expansion



- ✦ 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

	BGAC030	BGAC045	BGAC060	BGAC090	BGAC120
1 Blower	20-hp	30-hp	40-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 2 <sup>nd</sup> Air Outlet			✓	✓	✓
8 Stage 1 Cooling Coil	15-ton	15-ton	15-ton	15-ton	30-ton
9 Stage 1 Compressor	15-ton	15-ton	15-ton	15-ton	30-ton
10 Condenser Fan		15-ton	15-ton	15-ton	30-ton
11 Stage 2 Cooling Coil		15-ton	15-ton	15-ton	30-ton
12 Stage 2 Compressor		15-ton	15-ton	15-ton	30-ton
13 Condenser Fan		15-ton	15-ton	30-ton	30-ton
14 Stage 3 Cooling Coil			15-ton	30-ton	30-ton
15 Stage 3 Compressor			15-ton	30-ton	30-ton
16 Condenser Fan				15-ton	30-ton
17 Stage 4 Cooling Coil					30-ton
18 Stage 4 Compressor					30-ton
19 Condenser Fan					30-ton



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# 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 to +125°F  
0%-100% RH

	BGAC030 30-ton	BGAC045 45-ton	BGAC060 60-ton	BGAC090 90-ton	BGAC120 120-ton
<b>Electrical</b> (V / $\phi$ / Hz)	480 V / 3 Ph / 60 Hz				
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	54 kW – 107 A	100 kW – 193 A	100 kW – 205 A	120 kW – 264 A	144 kW – 326 A
ROP / MOP	110A / 125 A	200 A / 200 A	225 A / 225 A	300 A / 350 A	400 A / 450 A
<small>per NEC 440.33</small>	ROP = Recommended Overcurrent Protection device based on soft-start blower. MOP = largest overcurrent protection device allowed.				
<b>Blower</b> (hp, type)	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)	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 (4126 m <sup>3</sup> /h)	3,830 CFM (6510 m <sup>3</sup> /h)	4,590 CFM (7790 m <sup>3</sup> /h)	6,480 CFM (11,000 m <sup>3</sup> /h)	7,940 CFM (13,480 m <sup>3</sup> /h)
Discharge Air Temp	24 to 40°F (-7.2 to 4.4 °C)				
Sound Level	85 dBA @ 15 Ft.				
<b>Evaporator Coils</b>	4-row				
Tube / Fin Material	Cu / Al (enhanced)				
Defrost interval	20-90 Min.				
<b>Compressors</b>	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				
<b>Condenser Coils</b>	4-row				
Tube / Fin Material	Cu / Al (enhanced)				
<b>Condenser Fans</b>	2 x 5 BHP	3 x 5 BHP	4 x 5 BHP	4 x 7.5 BHP	4 x 10 BHP
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. Labeling Process by ETL to UL-1995. Specifications subject to change without notice.

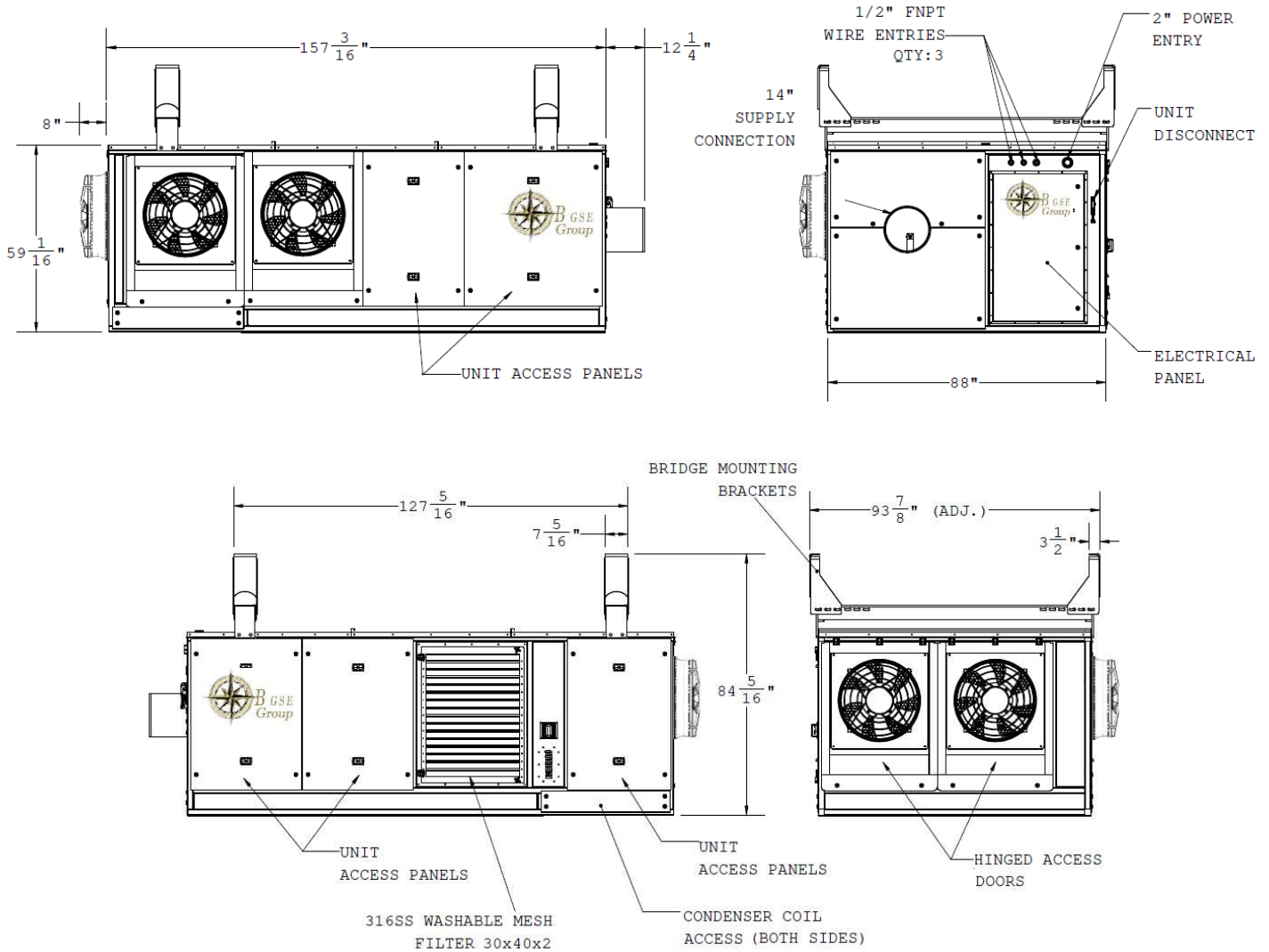
**Optional Features:**

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



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# PoU PCAir Air Cooled, Direct Expansion



Weight	
30-ton <sup>1</sup>	3,735 lbs. (1,694 kg)
45-ton <sup>1</sup>	4,925 lbs. (2,234 kg)
60-ton <sup>1,2</sup>	5,285 lbs. (2,561 kg)
90-ton <sup>1,3</sup>	8,680 lbs. (3,937 kg)
120-ton <sup>1,3</sup>	11,074 lbs. (5,023 kg)
Condenser fans:	1 Qty 2, rear-mounted
	2 Qty 1, side-mounted
	3 Qty 2, side-mounted



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