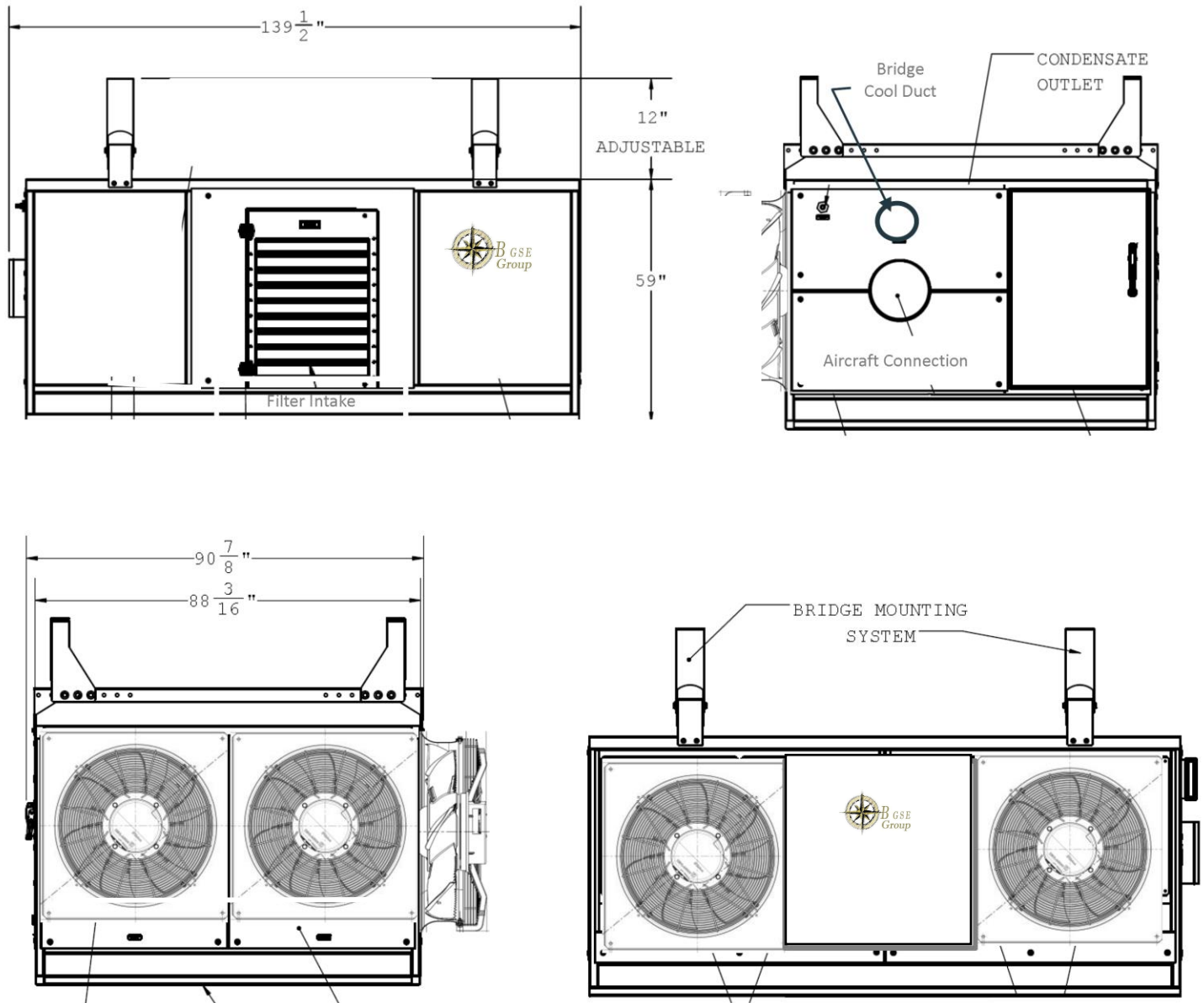




45 Ton Air Cooled Direct Expansion PCAir Unit



Exclusive Worldwide Distributor

BGSE GROUP LLC
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454 Ton Direct Expansion Air Cooled PCAir Unit 24 Aug 2019

Electrical

Rated @ 60 Hz @ design conditions	45 Tons
Heater (Optional)	54-100 kW
Unit Breaker	200 Amps <small>per NEC 440.33</small>
Voltage / Frequency	480 V / 3P / 60 Hz
RLA @ Ambient	158 Amps

Dimensions / Weight

Length	135 in (5380 mm)
Width	88 in (2235 mm)
Height	61 in (1549 mm)
Weight	4,925 lbs. (2,234 kg)

Control System

Push Button Control

Blower Motor

40 BHP

Mass Airflow Variable

255 ppm @ 30 in WG

Mass Airflow Variable

1.9 Kg/Sec@7.5 KPa
3,400 CFM

Volumetric Airflow

5,777 CuM/H
40°F to 24°F

Discharge Air (Variable)

(+4.4°C to -7.2°C)

Defrost interval

20-90 Min

Condenser Fans

4

Power

5 BHP

Diameter

36 in (905 mm)

Compressors

3

Nominal RT Capacity

15 Tons Each

Refrigerant

410A

Sound Level

85 dBA @ 15 Ft.

Ratings:

Field Labeling Process by ETL to UL-1995

AHRI-410

Meets Airbus Compliance Document for Suppliers X21RP1146224_v7

Boeing Aircraft Maintenance Manuals (AMM) and Facility Planning Guides

IATA AHM 974 and IATA AHM 997

Condenser Coils

Rows per Unit	4	4
Tube Material		Copper
Fin Material		Aluminum
Fin Style		Enhanced
Protection		Optional Phenolic
Coil Area / stage		12 Sq. Ft

Evaporator Coils

Rows per Unit	4	4
Tube Material		Copper
Fin Material		Aluminum
Fin Style		ARI-410
Protection		Enhanced flush
Coil Area / stage		10.9 Sq. Ft

Design Ambient

Dry Bulb	95°F (46.0°C)
Wet Bulb	78.0°F (29.0°C)

Environment

0%-100% RH

Temp. Extremes

-40°F to +125°F

NOTE: Special features and options included to meet specification requirements

NOTE: Specifications subject to change without notice

Optional Features

Optional PLC Manufacturers

Apron Management System (AMS) Interface (Ethernet or Modbus)

Single or Dual Hose Outlets + Bridge Cool

VFD Drives on Blower / Condenser Fan Motors

Heating

Aircraft Cabin or Bridge Temperature Probe

Boarding Bridge Cooling and Heating Capability and Controls

Hose Storage and Retrieval Systems

Delivery Hose (style and / or length) and Aircraft Couplings

Configuration to service a variety of aircraft LCD Operator Interface Terminal

Northern-Air
S y s t e m s



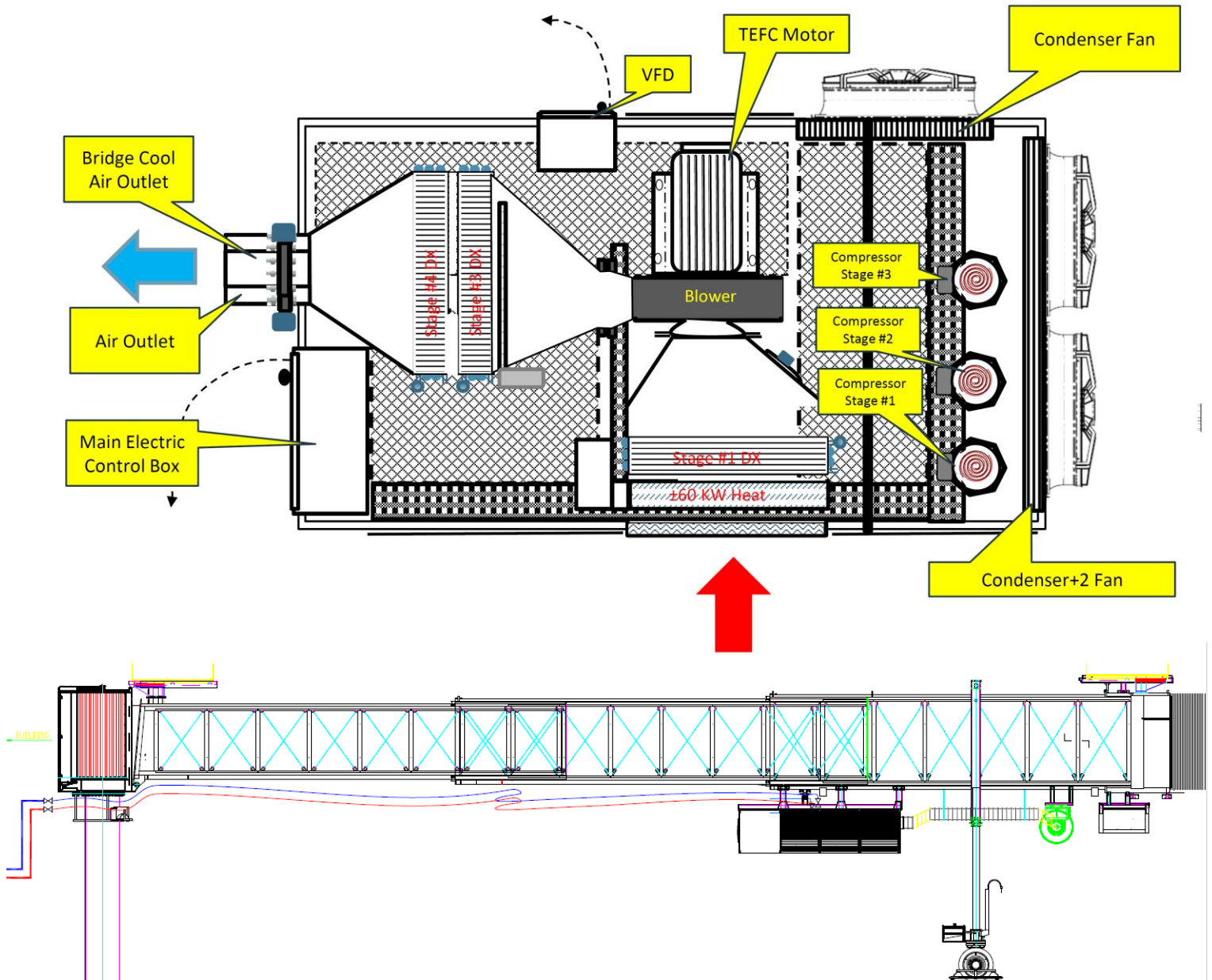
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