

Jetaire® 30/40 Ton Mobile Preconditioned Air Unit

A solution to reduce operating costs



Jetaire® 30/40 Ton Mobile Technical Specifications

Design Elements

Jetaire® Mobile Preconditioned Air Units offer maximum economy and dependability. Mounted on an integrated trailer and powered by a robust diesel engine and generator set, the mobile units have become the best solution to keep aircraft interiors comfortable in hangars, at maintenance sites, and on the ramp.

Jetaire® mobile units offer high energy efficiency ratios (EER) and service a variety of aircraft including commuter aircraft.

Jetaire® mobile (60 Hz option only) may also operate using building-supplied power.

Engine/Generator Set

Unit	30 Ton / 40 Ton
Diesel Engine	Cummins QSB4.5-G3
Generator	Newage 80 kW
Engine/Generator Controller	IFM PLC
Fuel Capacity/Running Time	60 gal. per 8 hours (227 L.)

Dimensions/Weight

Unit	30 Ton / 40 Ton
Length	190 in (398.78 cm)
Width	88 in (223.52 cm)
Height	84 in (213.36 cm)
Weight	8,000 lbs / 8,500 lbs

Control System

PLC Controls

Blower

Unit	30 Ton	40 Ton
Blower Motor	25 hp	30hp
Air Flow	200 lb/min	240 lb/min
Static Pressure	27.7 in	22 in

Condenser Fans

Unit	30 Ton	40 Ton
Quantity per Unit	3	3
Fan Motors	2 hp	3 hp
Diameter	30 in (76.2 cm)	30 in (76.2 cm)

Compressors

Unit	30 Ton	40 Ton
Quantity per Unit	2	2
Refrigeration Capacity	30 Tons	40 Tons
Refrigerant	R407C	R410a
Manufacturer	Danfoss	Danfoss

Sound Level

85 dBA @ 15 ft (4.6 m)

Condenser Coils

Unit	30 Ton	40 Ton
Rows per Unit	4	5
Finned Height	36 in (91.4 cm)	36 in (91.4 cm)
Finned Length	110 in (279.4 cm)	110 in (279.4 cm)

Evaporator Coils

Unit	30 Ton / 40 Ton
Rows per Unit	7
Finned Height	30 in (76.2 cm)
Finned Length	43.5 in (110.5 cm)

Design Ambient

Unit	30 Ton	40 Ton
Humid - Dry Bulb	97° F (36.1° C)	97° F (36.1° C)
Humid - Wet Bulb	85° F (29.5° C)	85° F (29.5° C)
Dry - Dry Bulb	125° F (51.7° C)	115° F (46.1° C)
Dry - Wet Bulb	65° F (18.3° C)	71° F (21.7° C)

Standard Equipment

- Programmable Logic Controls
- Diesel Engine and Generator Set
- Dual Hose Outlets (8-inch)
- Hand Operated Parking Brake
- Hose Storage Compartment
- 25 hp Blower Motor (30 Ton) 30 hp Blower motor (40 Ton)
- Running Gear with Pneumatic Tires
- Ackerman Front Steer Axle
- Leaf -Spring Suspension
- Configuration to service regional jets, narrow-body, and select wide-body aircraft
- Operates from onboard diesel-electric or building supplied power (600Hz option)

Optional Equipment

- Heating - 54kW
- Y-Adapter-50 foot, 14 inch hose

Aircraft Serviced

- RJs - All
- A319/A320/A321
- DC-90/MD-80/MD-88/MD-92
- B737 - All
- B757 - 200/300
- B767 - 200/300

JBT AeroTech

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