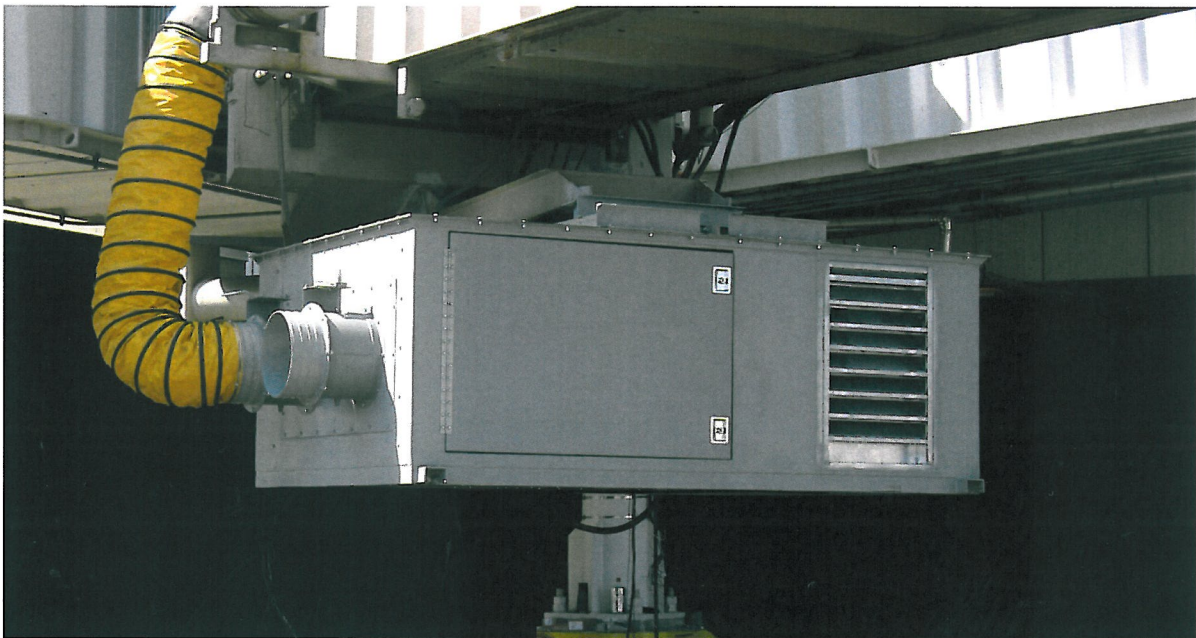


MCM ENGINEERING, INC.

PRE-CONDITIONED AIR EQUIPMENT CENTRAL SYSTEM AIR HANDLING UNIT



MCM Pre-conditioned Air Equipment is the equipment of choice for central air conditioning installations. The air handling unit is intended for mounting under the passenger loading bridge, but can also be ground-mounted. The unit has been engineered to provide cold air (25°F LAT) to the parked aircraft, but can also provide heat using either hot glycol-water solution or a staged electric heater. The air handling unit is fully self-contained and can accommodate a wide range of aircraft. The unit can be configured with single or dual output air ducts to accommodate the specific aircraft or gate air delivery equipment. MCM is using PLC control to monitor the ambient and discharge temperatures to maintain a comfortable cabin temperature while the aircraft is parked at the gate. The entire control enclosure can be remote mounted for easier maintenance access. The use of a Variable Frequency Drive controller optimizes the air flow and delivered air temperature. The MCM pre-conditioned air handling equipment will handle bridge cooling, heat-soaked aircraft pull-down, in addition to the standard cooling, ventilation and heating requirements.

PRE-CONDITIONED AIR EQUIPMENT CENTRAL SYSTEM AIR HANDLING UNIT



Features

→ High Reliability
→ Energy Saving SW/ VFD Operation
→ True Sub-Freezing Air Delivery Temp.
→ Accessible Components
→ Bridge Cooling Option
→ Staged Electric Heat
→ Low Maintenance
→ Microprocessor Controlled
→ Remote PLC Controller Available
→ High Efficiency
→ Single or Dual Output
→ Permanent Inlet Filters

Operating Characteristics

Capacity Rating	Wide Body Aircraft
Design Condition Cooling	104°F db / 78°F wb
Design Condition Heating (Ambient)	- 20° F db
Industry Listing	UL/AMCA
Blower Air Flow (Max)	3300 CFM
Blower Static Pressure	31" H ₂ O
Blower Horse Power	30 Hp
Coil Flow Rate	28 GPM
Glycol Temperature Rise (Cooling)	40° F
Power Requirements	480V/3p/60Hz
Full Load Amps (No Heat)	33A
Disconnect (Recommended)	75A
Electric Heat (Max Capacity)	30kW (2 Stage)
Full Load Amps (w/Electric Heat)	60A

PART NO	RATING	WEIGHT	DIMENSIONS (W x D x H)	DESCRIPTION
DD07-6010-1	480VAC, 60Hz, 3Ph	2,600 lbs	115" x 73" x 43"	Bridge Mounting

DS 060