



80,000 CFM RENTAL AHU

General Information

- Cooling only AHU
- Three (3) open plenum fans, One (1) VFD
- Deep CHW cooling coil bank, 150 PSIG rated
- Outdoor construction
- Lifting lugs for easy rigging
- First filter set provided

Physical Data

- Shipping weight = 18,000 LBS.
- Operating weight = 19,350 LBS.
- Overall dimensions: 11'10" wide, 23'0" long, 10'4" tall
- Leveling required
- Service clearances: 4' (door sides), 0' (roof), 8' (inlet)

Mechanical Data

- Design airflow
 - 80,000 cfm @ 3" ESP
 - 90,000 CFM @ 1" ESP
 - 67,000 CFM @ 5" ESP
 - 53,000 CFM @ 8" ESP
- Pre-filters: Forty (40) 24"x24" fast frames (no fasteners)
- Four (4) 8 row/10 FPI CHW coils, 4" grooved steel in/out connections, 2" condensate drain connection
- Three (3) direct drive plenum fans, inlet/out guards
- Final filters: Forty (40) 24"x24" fast frames (no fasteners)

Site Utility Data

- Single point power connection, 480/3/60
 - MCA = 169A
 - MOCP = 200A
- Maximum total CHW flow is 904 GPM @ 7 FPS tube velocity, 12.6 PSIG WPD
- Minimum total CHW flow is 258 GPM @ 2 FPS tube velocity, 1.1 PSIG WPD

Nominal Cooling Coil Performance

- 80,000 CFM
- IN: 80°/67°F DB/WB
- OUT: 50°/49°F DB/WB
- 682 GPM CHW 42°F
- 5.3 PSIG WPD