

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 x 23',0" long x 10',4" tall

Leveling required

Service clearances: 4' (door sides), 0' (roof), 8' (inlet)

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

Mechanical Data

Design airflow,

80,000 CFM at 3" ESP

90,000 CFM at 1" ESP

67,000 CFM at 5" ESP

53,000 CFM at 8" ESP

Pre-filters (40), 24" x 24" 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" x 24" fast frames (no fasteners)

Site Utility Data

Single point power connection, 480/3/60

MCA = 1609, A

MOCP = 200 A

Maximum total CHW flow is 904 GPM at 7 FPS tube velocity, 12.6 PSIG WPD

Minimum total CHW flow is 258 GPM at 2 FPS tube velocity, 1.1 PSIG WPD



AC Corporation offers rental units, as well as complete and durable industrial custom-built air handling units designed to meet specific customer requirements. All units are fabricated and assembled in our factory and constructed on a rigid structural frame.

Experienced AC Corporation field crews are available for complete installation including electrical, controls, start-up, training, and service.

More information, contact us at (336) 271-6333