

# 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 = 169 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**