American Event Services AHU-100T — 100 Ton Vertical Air Handler

The AES AHU-100T is a 100-ton-class vertical chilled-water air handler. The manufacturer publishes dual 12,000-CFM airfoil fans, a 40-hp motor and onboard VFD control for its 100-ton configuration. Four supply duct collars, a large return grille, water connections and rear-mounted controls fit within a 96 × 48 × 101-inch production envelope.

AES AHU-100T actual supplier reference unit308216 — cabinet and water connections
AES AHU-100T actual supplier reference unit308216 — four discharge collars and return grille
AES AHU-100T actual supplier reference unit308216 — controls and water connections
Factory air-handler specifications
Operator-instruction request

Manufacturer	American Event Services (AES)
Model	AHU-100T
Equipment type	Chilled-water vertical air handler
Nominal cooling class	Up to 100 tons
Electrical supply	480 V
Air delivery, manufacturer 100-ton configuration	Dual 12,000 CFM nine-blade airfoil fans
Blower motor, published manufacturer configuration	40 hp
Blower control	Onboard VFD with potentiometer
Supply duct connections	4 × 20 in
Return arrangement	Large return-air grille
Water temperature indication	Inlet / outlet temperature gauges
Condensate handling	Condensate pump
Controller, manufacturer configuration	JCI A419, NEMA 4X
Electrical protection	Phase / voltage monitor with lockout
Power connections	Feed-through cam-style
Factory production length × width × height	96 × 48 × 101 in
Cabinet finish	Powder coated
Forklift handling	Pockets on all four sides
Thermostat	Internally mounted digital thermostat
Heating application, factory family limit	Up to 200°F entering water
Family static-pressure options	3.5 in. ESP with options up to 7 in.; not an airflow operating point
Reference-unit power and water connections	Mounted on cabinet rear service face