

INTRODUCTION

CGEE has a full line of indoor and outdoor air handlers ranging from 1,000—56,000 CFM. The modular design of a 2” double wall panel construction will allow you to design the air handler’s length and width to accommodate space and any accessory required in your facility.

All units are constructed of heavy gauge aluminum profiles with thermal breaks at all joints. IAQ stainless steel drains pans, hinged access doors and direct drive fans are just some of the features in the modular design air handler.

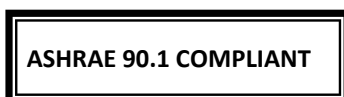
High capacity DX coils can provide heavy dehumidification with several reheat options including: electric SCR, hot water and HGRH when used with a DX remote condensing unit.



Modular Air Handler

AIR HANDLERS FROM 2,000 TO 55,000 CFM		
SIZE	CFM Range	NOM. TONS @ 400 FPM
12	1,667	4 tons
22	2,667	6 tons
32	3,896	9 tons
40	4,813	12 tons
48	5,729	14 tons
64	7,563	19 tons
80	9,625	24 tons
100	12,375	31 tons
120	14,438	36 tons
150	17,000	42 tons
180	22,000	55 tons
210	25,458	63 tons
240	28,708	71 tons
270	31,958	80 tons
320	40,000	100 tons
420	45,000	112 tons
520	56,250	140 tons

“HIGH QUALITY, FLEXIBLE DESIGN & CUSTOM FEATURES”



FEATURES & OPTIONS

CGEE air handlers have many standard features as well as many accessories and options. All coils and selections are AHRI certified and all fans are AMCA certified. This series of air handlers offers long life materials and construction methods and offer the flexibility to meet most any facility needs. For any features that are not listed below please contact the factory.

FEATURES and DESCRIPTION	STANDARD	OPTION
1" & 2" Double Wall Construction with injected polyurethane foam panels		
Hinged Access Doors with cam locks (Full height)	✓	
Epoxy Powder Coat Paint (ASTMB –117, 500 Hour Salt Spray)	✓	
Galvanized Steel Metal (UL-090U Approved)	✓	
Thermal Breaks	✓	
Door Latches	✓	
Direct Drive Fans	✓	
High Efficiency Inverter Duty 1,800 RPM motors	✓	
EC motors	✓	
Backward incline fans	✓	
VFD motor control		✓
Forward curved fans		✓
DX Coil (Cu/AL) Tubes/Fins		✓
Chilled Water Coil (Cu/AL) Tubes/Fins		✓
Hot Water Coils (Cu/AL) Tubes/Fins - Reheat or Preheat		✓
Steam Coils (Cu/AL) Tubes/Fins - Drainable /Cleanable		✓
Energy Recovery Wheel or Plate		✓
Return or Exhaust Fans		✓
Economizers (Extruded Aluminum with SS blade Seals)		✓
Outside dampers (Extruded Aluminum with SS blade Seals)		✓
Filter Gauges & Filter Switches		✓
Single Point Power Connection		✓
BACnet or Lon Works		✓
Electric Heaters—Staged or SCR control		✓
Filters 2", 4", 6", 12" & Bag Filters (Pre & Final Filter Options)		✓
Full Electrical Panels with transformers. Controls and switches		✓

ASHRAE 90.1 COMPLIANT



