



Custom Rental Air Handling Unit 50 Hz/400 V



Shown with Optional Equipment

FEATURES

- Three units can be bolted into a 40-ft. ISO structure
- Units are stackable for shipping
- Washable filters
- Multiple air supply and return connections

SPECIFICATIONS

Model AH500
 Size — h x w x l 2.6 m x 2.4 m x 4.1 m
 Double Wall Construction 50.8 mm
 Usage Outdoor
 Container —
 External Painted
 Internal Precoated
 Total Amps 315 amps
 Water Connections 4" victualic
 Weight 2860 kg (6300 lb)

ACCESSORIES

Control panel
 Drain pan
 Variable frequency drive for fan

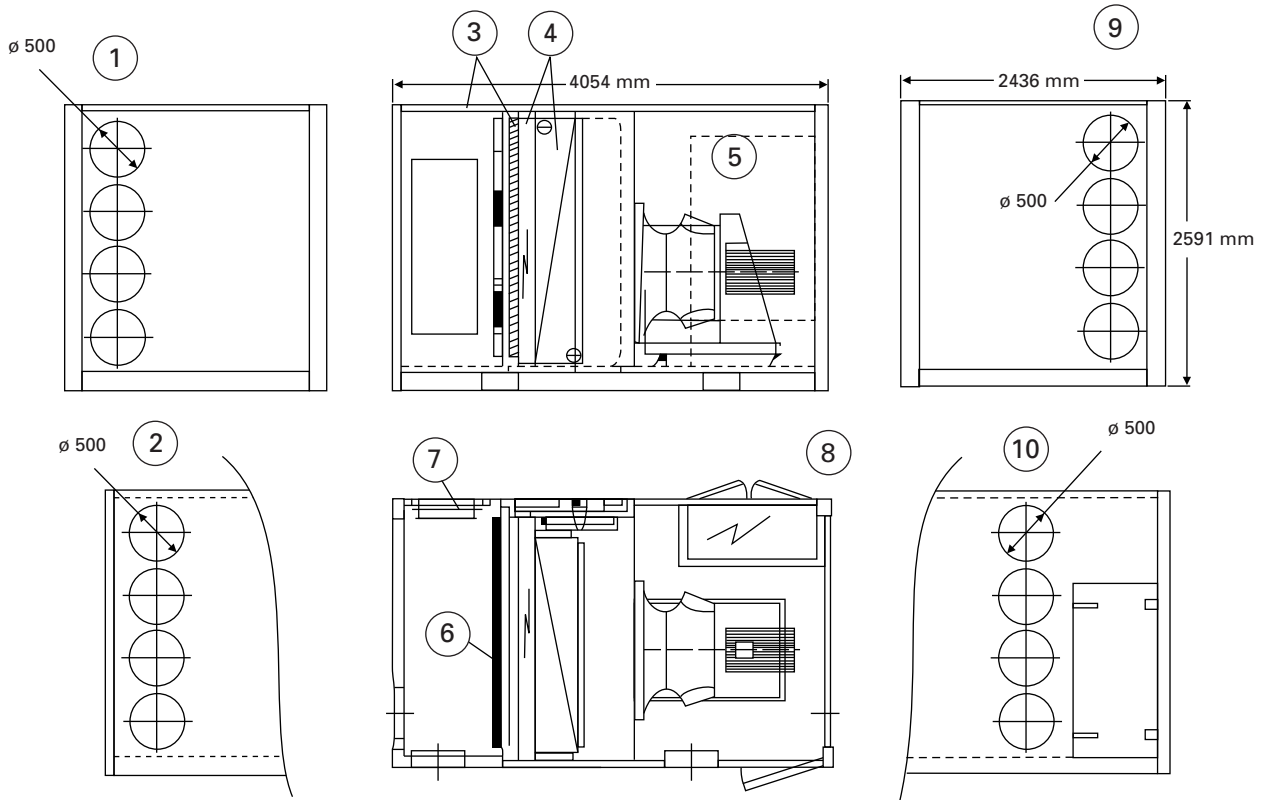


YORK INTERNATIONAL

TECHNICAL DATA

Fresh Air Inlet Damper type GHR	Yes Yes	Left opening 1.5 m x .500 m	Including louver Max. airflow = 6800 m ³ /Hr
Return Air Inlet Collars	Yes Yes	(4) .500 m dia. openings on each side & end	For each recycled air inlet Max. airflow = 17 000 m ³ /Hr
Supply Air Outlet Collars	Yes Yes	(4) .500 m dia. openings on each side & end	For each supply air Max. airflow = 17 000 m ³ /Hr
Filters Supply air	Prefilter	Type Metallic filter	Efficiency EU 2 - G 2 - 73% grav.
Heating coil Enter/leave air temp. Min. airflow/max. airflow Overall capacity Screen shield	°C m ³ /Hr kW Qty.	Electrical Delta T° air = 25° C (for airflow = 28 900 m ³ /Hr) 30 600 m ³ /Hr/51 000 m ³ /Hr 180 kW/260 amps (5 steps of 36 kW) Yes (one to protect filter)	
Cooling coil Material Nominal air flow/max. Face velocity nom./max. Max. entering temp. for 12° C Nominal leaving air temp. Minimum leaving air temp. Overall capacity Maximum capacity Number of rows Fin spacing Enter/leave water temp. Nominal flow rate Water pressure drop Eliminator	Cu/Al m ³ /Hr m/s °C/Hr% °C/Hr% °C/Hr% kW kW Qty. Fins/Ft °C l/s inWg Glasdeck	Yes 44 000/51 000 2.91/3.36 31.4° C 50% 44 000 m ³ /Hr/29.8° C 50% 51 000 m ³ /Hr 12° C 95% 10.5° C 100% 44 000 m ³ /Hr/10.9° C 100% 51 000 m ³ /Hr 525/525 554/573 8 102 6/12 20.9 80.4 Yes	
Fan Model Nominal air flow/max. External static pressure Total static pressure Fan speed Absorbed power Motor power Motor speed Electrical character	Plug fan m ³ /Hr InWg InWg rpm kW kW rpm V/Ph/Hz	Supply ER 10F 4DN N7 1R 44 000/51 000 4.21 at 44 000 m ³ /Hr/2.61 at 51 000 m ³ /Hr 6.43 at 44 000 m ³ /Hr/6.42 at 51 000 m ³ /Hr 1408 (48 Hz)/1421 (49 Hz) (Maxi = 1450 rpm) 27 kW at 44 000 m ³ /Hr/26 kW at 51 000 m ³ /Hr 30 (nominal current 55 A) 1465 400/3/50	

DIMENSIONS



- ① Side Return Air Connections
- ② End Return Air Connections
- ③ Heating Element
- ④ Cooling Coil
- ⑤ Plug Fan
- ⑥ Filter Rack
- ⑦ Outside Air Louver
- ⑧ Control Enclosure
- ⑨ End Supply Air Connections
- ⑩ Side Supply Air Connections

Fan Sound Power	63	125	250	500	1000	2000	4000	8000
S.P. Level 44 000 m ³ /Hr	94	99	92	93	90	90	86	84
S.P. Level 51 000 m ³ /Hr	95	100	96	92	90	90	87	83

RATING CONDITIONS

Tonnage rated at ARI conditions: 95° F ambient, 80 DB/67 WB °F entering air temperature.

100 tons at ARI conditions.
150 tons utilizing 100% outside air.