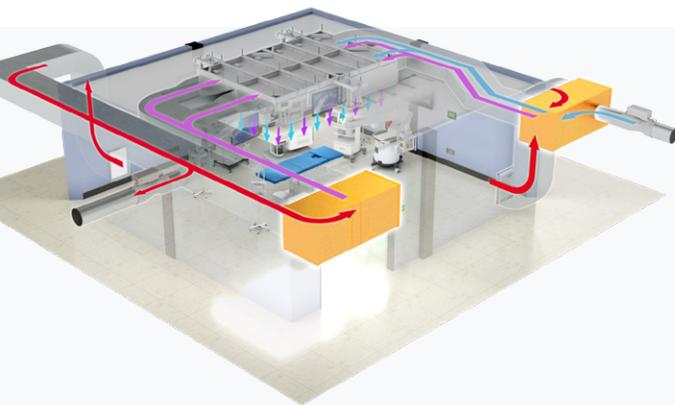


ACHU

HORIZONTAL AIR CHANGE BLOWER COIL

The **Horizontal Air Change Blower Coil (ACHU)** is a component of the Price Ultrasuite +Climate high air change system. The ACHU provides hospital operating theaters with an increased number of air changes per hour. These air changes result in improved thermal comfort and indoor air quality for patients and hospital staff, providing a marketable cutting-edge solution for hospital owners. The ACHU's compact and unique same-side supply and return connections minimize ductwork requirements – a critical value add considering space constraints in hospital ceilings.



Alongside the ACHU's unique construction, it is equipped with a direct drive high efficiency plenum fan, an EC motor, and a vast number of heat exchanger configurations. Its broad performance window makes it desirable for various high space load applications including:

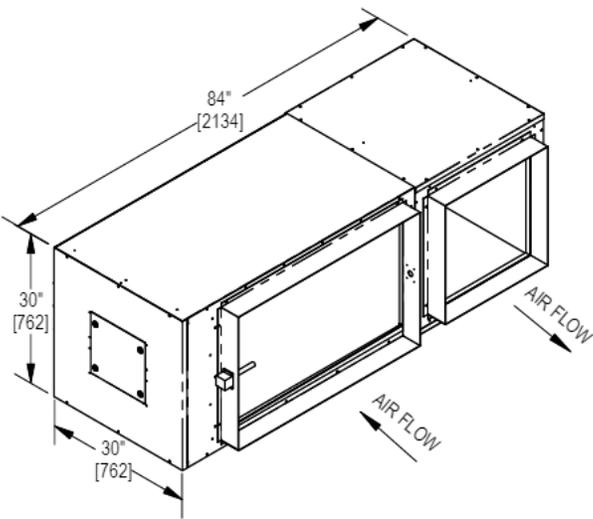
- + Server rooms
- + Building mechanical and electrical rooms
- + Laboratory and Pharmaceutical applications



Standard Features and Options

- + 18 gauge galvanized construction
 - + 1" fiber-free insulation
 - + Stainless steel drain pan
 - + Integrated fresh air inlet cutouts 6", 8", 10", 12" (field removed)
 - + 4" Flange connections on inlet and discharge
- + Integrated fan electronics with 2-10 voltage direct current (VDC) control
 - + Integrated valve packages
 - 2-way modulating temperature control valve (TCV)
 - Automatic balancing valves
 - Y-strainer with blowdown and pressure temperature ports (PTs)
 - Union with PTs
- + Size 30 – ACHU for Ultrasuite +Climate application
 - + Size 50 – High-capacity ACHU for high space load applications

General Dimensions



Performance Tables

Size	Nominal Airflow		Weight LBS (KG)	EC Motor	
	CFM	L/S		Total Amps	
			208-240V	400-480V	
30	3600	1700	550 (250)	10.4	6.2
50	4800	2265	570 (259)	10.4	6.2

Airflow	Cooling Coils					
	4 Rows		6 Rows		8 Rows	
	TBMH	GPM	TBMH	GPM	TBMH	GPM
2400	31.2	6.9	40.5	8.9	44.2	9.7
3600	42.2	9.3	56.5	12.4	62.1	13.7
4800	51.7	11.4	70.5	15.5	78.4	17.2
5600	57.4	12.6	79.2	17.4	88.5	19.5

Entering/Leaving Water Temperature = 50F / 60F
 Entering air temperature = 75F / 60F

Airflow Performance - ACHU 50

