



**IKVQA**  
AN ISO 9001:2008 Co.



paint me blue

[www.airefengineers.net](http://www.airefengineers.net)



## HORIZONTAL AIR HANDLING UNITS

Double skin | Floor mounted | Belt driven



Choose your air.

# HORIZONTAL AIR HANDLING UNITS

Double skin | Floor mounted | Belt driven

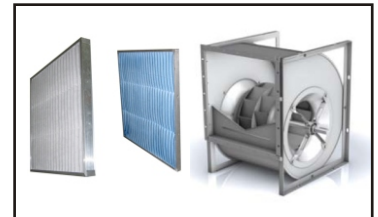
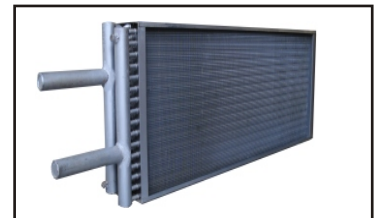
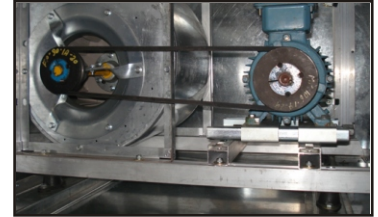
## GENERAL DESCRIPTION

These air handling units are used widely in areas such as restaurants, hotel lobbies, banquets, offices etc., where larger areas are to be cooled for comfortable ambient conditions. Constructed using the latest techniques, components and fitments, these units are a perfect solution to the air conditioning needs of a large number of facilities. The variants are available with additional sections such as humidifier/dehumidifier sections, mixing chamber, strip heater section etc.

**RANGE :** 2000 CFM to 30000 CFM

## CONSTRUCTIONAL FEATURES

FRAME	:	Extruded Aluminum profile and 3D nylon corners etc.
BASE	:	Heavy gauge GSS base frame with cast Al corners
CASING	:	23 ± 2 mm thick, double skin panels made of 0.6 mm sheets with Poly Urethane Foam (PUF) of density 38 ± 2 kg/cu.m injected between the two skins
COOLING COILS	:	DX/CW type made up of Copper pipe and Aluminum fins, duly tested at 250 lbs under water
FILTERS	:	Synthetic, cleanable pre filters
BLOWERS	:	AMCA certified DIDW type, centrifugal blowers Common-rail base for blower-motor assembly on vibration isolation pads
MOTORS	:	TEFC type, Three phase motors of standard make
MOTOR STAND	:	Adjustable motor-mounting fixture
PULLEYS	:	Adjustable Taper-Bush type pulleys
DRAIN PAN	:	Dual GSS pan with sandwiched insulation and inherent slope
CANVAS CONNECTION	:	Flexible connection to isolate blower from unit body



## CHARACTERISTICS

MODULAR CONSTRUCTION	:	For easier maintenance of the units
DOUBLE SKIN CASING	:	Higher efficiency and low noise
VIBRATION ISOLATORS	:	The units are provided with blower-motor assembly mounted on vibration isolators to make the units vibration free.
PORTHOLE	:	Viewing glass is provided for easier inspection without opening the door
GASKET SEALED PANELS	:	Low leakage and quiet operation is ensured by using high quality gasket to seal the panels, doors etc.
ADJUSTABLE MOTOR STAND	:	The belt tension can be easily adjusted by screwing or unscrewing the bolt provided on the motor stand
FLEXIBLE CONNECTION	:	High quality canvas connections prevent vibrations to be carried over from the blower to the unit body

**APPLICATIONS :** Hotels, Restaurants, Offices, Shops, Auditoriums, Hospitals, Banquet Halls, Banks, Apartments etc.

**OPTIONAL :** S.S. Drain Pan, Eliminator / Humidifier / Dehumidifier sections, Limit Switch, Volume Control Dampers



Choose your air.

## Airef Engineers

570, Industrial Area, Phase - 9, Mohali - 160062, Punjab, India  
T: 0172 2232580 M: 9814178328, 9872924004, 9814636328  
e mail: mail@airefengineers.net Website: www.airefengineers.net