Sabro

Air Handling Units

2023 - 2024

Low & Medium Static Pressure

Product Catalog

AHU Series Catalogue

Sabro

AHU MODELS SERIES

Low & Medium Static Pr.

Standard AHU

CONTENTS

We Are Air Handling Experts

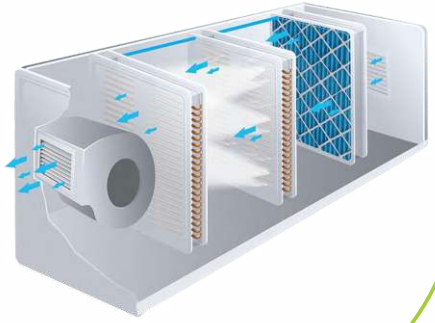
Also Available with Environmental Friendly Refrigerant (R-407 C/410A) + DC Inverter

Sabro Modular Air Handling units are the unique blend of experience, research and testing in the specific air handling sector. Sabro Air Handling units adapt to all specific requirements allowing different air requirements to be met even in specific fields such as hospitals, food industry, pharmaceutical industry and microelectronics.

The use of double-inlet forward curved centrifugal fans allows the equipment to be selected for use in low and medium pressure air systems, depending on the project characteristics.

Several options are available for heat exchangers. The most commonly used cooling media are Chilled water, Glycol water and Direct expansion of coolants, etc. Same cooling coil can also be used for heating purpose by supplying hot water in the system. A separate heating coil can be provided on clientele requirement.

The multi combinations of air filters can handle a variety of air filtering needs, from simple impurity filtering to fine filtering, within the limits established by the manufacturer for the filtering/filtered media.



Application

Industries

Our AHUs fulfill the requirement of air conditioned & clean air in manufacturing industries as their primary need. We manufacture Quality Air Handling Units for food industry, telecom/electronics industry or any other industry for our quality service.

Healthcare

Fine Air conditioning creates a clean, healthy & active environment, while dealing with problems like allergies, respiratory conditions, smoke and dust. Many sufferings from debilitating conditions have seen major health improvements with air conditioning, sterile air conditioning has greatly improved their quality of life. By circulating air through air filters, carbon dust, allergies & other microorganisms are filtered out of the rooms, leaving them healthier and cleaner.

Commercial Buildings

Modern tech commercial buildings have different activities taking place inside. in these buildings; in addition to conventional offices space, there may be shopping malls, food patios, banks, telecommunication centers and data processing rooms. We design and provide AHUs accordingly, which smartly cater diverse commercial needs.

Offices

In order to maintain an ideal temperature to create a working environment and fresh atmosphere for the workers in offices, we deliver for what we are well known. Our AHUs are known to provide hygienically clean & well conditioned air to make such environment which keep workers energetic and stay healthy so that they can work actively.

Construction

Outer frame is made of new 4G geometry rounded aluminum profiles with corners & T joints made of reinforced nylon. The casing is made of sandwich panels which are fixed to the frame with exclusive fine locking profile with complete absence of screws.

The aluminum profile is specially designed with thermal break to avoid the heat transfer to outer body. All panels are constructed of zinc galvanized steel sheet with polyester powder coating. The standard insulation of panel is 30 mm thick.
38mm& 50mm thick insulation is provided as optional. The panels are provided with PVC profile between the inner and outer skin to avoid transfer of heat from inner panel to outer panel, eliminating condensation on outer panels.

Fans

Forward curved centrifugal fans are provided to suit the application as required. Forward curved wheel are constructed of galvanized steel and tested in accordance of ARI standards, suitable for total static pressure of 3.0" W.G.
For static pressure above 3.0'' use our high static series of AHU-B. All fans are statically and dynamically balanced. Fan bearings are self aligning. Ball bearings are selected for minimum 100,000 hour operation.

Fan Motors

The motor is of TEFC (Totally Enclosed Fan Cooled) model, class F insulation with IP-55 motor protection. The motor and drive package for each unit is individually hand selected to meet the highest performance standard.

Vibration Isolators

Fan and motor are mounted on common base with rubber vibration isolators. The flexible connection between fan & casing ensures that all moving parts are isolated from casing structure.

Mixing Box

In order to maintain indoor air quality, air handlers commonly have the provision to allow the introduction of outside air into the building. In temperate climates, mixing the right amount of outside air with return air can be used to approach the desired supply air temperature. A mixing chamber/box is therefore used with dampers.

Component Details

Sabro

Dampers

Dampers are made of high quality extruded aluminum profiles. Its aerodynamic and precise workmanship effectively reduces the leakage of air. The Damper blades are aerofoil design, double wall construction and provided with special design gaskets. These dampers are suitable for manual as well as for motorized operation. The damper blades are operated with gear mechanism; Which offers high durability and total work operation as per requirement. The gears are made of glass reinforced Nylon.

Filtration

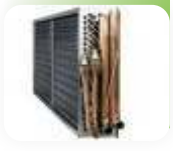
A combination of different air filters handles a variety of filtration needs, from simple impurity filtering to fine filtering, within the limits established by the manufacturer for the filtering media.

2" thick aluminum filters are standard in All Air Handling Units.

High efficiency Mini pleat / bag filters with 65% and 95% efficiency can be provided on clientele requirement.

Chilled water/Hot water Coil

The Coils are manufactured from 5/8" or 3/8" OD seamless copper tube mechanically expanded in aluminum fins to ensure maximum efficiency of heat transfer between circulating water and air. Coil circuit is designed to meet optimum performance and pressure drop limitations. Headers are made up of schedule 40 M.S pipe with threaded male pipe connections. All Headers include coil drain and vent connections. Standard water coils are suitable for 250 Psig working pressure and are tested under water with 350 Psig nitrogen pressure.



DX Coil

The DX coil are made with seamless copper tube and aluminum fins, The DX coil are designed according to required capacities, air flow rates and air temperatures.

Reheat Coil

Hot water & steam coils are provided at request, reheat coils are made with seam-less copper tube and aluminum fins, These coils are fully tested under water with 350 Psig nitrogen pressure.

Drain Pan

The drain pan is designed to effectively collect the condensate water and drain it on either single or both sides of the unit. The drain pan is double walled in construction with 1 inch thick insulation between the walls. Stainless steel drain pan is provided on the client's Demand.

We At Sabro, Accord Precision Components & Assemblies

From prototypes to production, Sabro Air Handlers are not just fans in box.

We ensure

*Thermal Break Insulation

Adjacent panel assemblies are well connected by thermally insulating tongue-&-groove specific plastic strip joint that acts as a thermal break.

*High density PU Foaming Insulation (38-40 kg/m3)

*Aluminum Channel Frame

It is the skeletal body which holds the whole unit housing together within it the all internal components.

Paramount features of Sabro Air Handlers permit;

Easy Installation

Casing made up of aluminum extruded profile with nylon corners can be easily dismantled for easy transportation & installation in a place with the entries, delicate or difficult.

Easy Maintenance

Access panels with hinges and handles to permit quick and easy access to the interior components for inspection and maintenance.

Optional Accessories

- **Viewing glass,** with marine lights to view the clear state of moving parts inside AHU

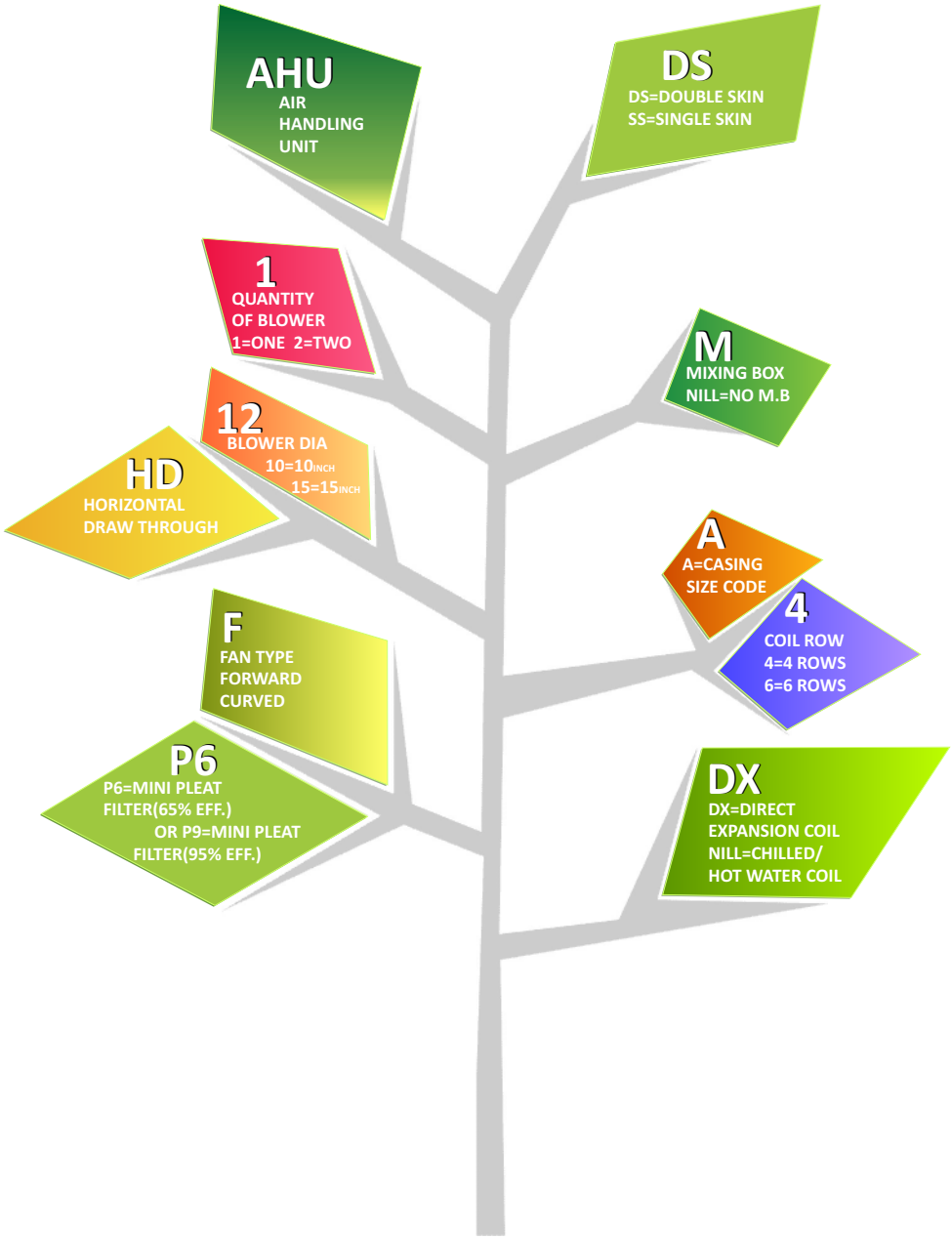
- **Ports** for installing Magnihilic gauge

- **Acrylic protective coating** on coils

- **Variable frequency drive,** (VFD) with or without pressure sensors

- **UV Lamps** to improve Indoor Air quality, effectively increases life of hepa filters and coils

A wide choice of accessories such as filter section, mixing box section, hot water /steam section, heating coil section, humidifier section, diffuser section and a wide choice that meet any fire protection, thermal protection & acoustic attenuation requirement is available as per clientele Demand for **Sabro AHUs Models.**


AHU
AIR HANDLING UNIT
DS
DS=DOUBLE SKIN
SS=SINGLE SKIN
1
QUANTITY OF BLOWER
1=ONE 2=TWO
M
MIXING BOX
NILL=NO M.B
12
BLOWER DIA
10=10INCH
15=15INCH
HD
HORIZONTAL
DRAW THROUGH
A
A=CASING
SIZE CODE
4
COIL ROW
4=4 ROWS
6=6 ROWS
F
FAN TYPE
FORWARD
CURVED
P6
P6=MINI PLEAT
FILTER(65% EFF.)
OR P9=MINI PLEAT
FILTER(95% EFF.)
DX
DX=DIRECT
EXPANSION COIL
NILL=CHILLED/
HOT WATER COIL

AHU MODELS SERIES

Low & Med. Pr. Mode

AHU 110HDF-DS, AHU110HDF-DSM, AHU110HDFP6-DSM

Model AHU110		A4	A6	B4	B6
Air Flow Range	CFM	800-1000	800-1000	1100-1600	1100-1600
	CMH	1359-1699	1359-1699	1869-2718	1869-2718
	LPS	378-472	378-472	519-755	519-755
Nominal Air Flow	CFM	900	900	1400	1400
	CMH	1529	1529	2379	2379
	LPS	425	425	661	661
Maximum Coil Area	Ft^2	2.0	2.0	3.0	3.0
	M^2	0.186	0.186	0.28	0.28
Coil Rows	5/8”	04	06	04	06
	3/8”	06	08	06	08
Blower Diameter	Inch	10			
	MM	254			
Blower Type		Forward curved centrifugal			
Motor Maximum	HP	2			
	KW	1.5			
Max, TSP	Inch WG	3.0			
	Pa	747			
G4 Filters (aluminum filter)	Size(inch)	24 x 20 x 2		24 x 20 x 2 / 24 x 12 x 2	
	Qty	1		1 + 1	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size (inch)	24 x 20 x 2		24 x 20 x 2 / 24 x 12 x 2	
	Qty	1		1 + 1	
BottomFrame		Heavy duty made with galvanized steel sheet			
Casing Frame		Made with extruded aluminum profile with thermal brake			
Panel’s Construction		Double wall construction with PU foam injected insulation.			
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)			
Mixing Box		Provided with geared aluminum airfoil shaped blades			

Due to continuous improvement our product specifications may change

AHU 112 HDF-DS, AHU112HDF-DSM, AHU 112HDFP6-DSM

Model AHU112		A4	A6	B4	B6	C4	C6
Air Flow Range	CFM	1500-2000	1500-2000	2100-3000	2100-3000	3100-3800	3100-3800
	CMH	2549-3398	2549-3398	3568-5097	3568-5097	5267-6456	5267-6456
	LPS	708-944	708-944	991-1416	991-1416	1464-1794	1464-1794
Nominal Air Flow	CFM	1800	1800	2500	2500	3500	3500
	CMH	3058	3058	4248	4248	5947	5947
	LPS	850	850	1180	1180	1653	1653
Maximum Coil Area	Ft^2	02	02	5.0	5.0	7.0	7.0
	M^2	0.186	0.186	0.46	0.46	0.65	0.65
Coil Rows	5/8"	04	06	04	06	04	06
	3/8"	06	08	06	08	06	08
Blower Diameter	Inch	12.4					
	MM	315					
Blower Type		Forward curved centrifugal					
Motor Maximum	HP	03					
	KW	2.2					
Max, TSP	Inch WG	3.0					
	Pa	747					
G4 Filters (aluminum filter)	Size(inch)	24 x 20 x 2 24 x 12 x 2		24 x 20 x 2		24 x 24 x 2	
	Qty	1 + 1		2		2	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size(inch)	24 x 20 x 2 24 x 12 x 2		24 x 20 x 2		24 x 24 x 2	
	Qty	1 + 1		2		2	
BottomFrame		Heavy duty made with galvanized steel sheet					
Casing Frame		Made with extruded aluminum profile with thermal brake					
Panel's Construction		Double wall construction with PU foam injected insulation					
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)					
Mixing Box		Provided with geared aluminum airfoil shaped blades					

Due to continuous improvement our product specifications may change

AHU MODELS SERIES

Low & Med. Pr. Mode

AHU 115HDF-DS, AHU115HDF-DSM, AHU 115HDFP6-DSM

Model AHU115		A4	A6	B4	B6	C4	C6
Air Flow Range	CFM	4000-5000	4000-5000	5100-5800	5100-5800	5900-6500	5900-6500
	CMH	6796-8495	6796-8495	8665-9854	8665-9854	10024-11044	10024-11044
	LPS	1889-2361	1889-2361	2408-2738	2408-2738	2786-3069	2786-3069
Nominal Air Flow	CFM	4200	4200	5400	5400	6100	6100
	CMH	7136	7136	9175	9175	10364	10364
	LPS	1983	1983	2550	2550	2880	2880
Maximum Coil Area	Ft^2	09	09	11.18	11.18	12.15	12.15
	M^2	0.186	0.186	0.46	0.46	0.65	0.65
Coil Rows	5/8”	04	06	04	06	04	06
	3/8”	06	08	06	08	06	08
Blower Diameter	Inch	15.75					
	MM	400					
Blower Type		Forward curved centrifugal					
Motor Maximum	HP	05					
	KW	3.7					
Max, TSP	Inch WG	3.0					
	Pa	747					
G4 Filters (aluminum filter)	Size(inch)	24 x 20 x 2		24 x 20 x 2 24 x 24 x 2		24 x 20 x 2 24 x 24 x 2	
	Qty	4		2+2		3+3	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size(inch)	24 x 20 x 2		24 x 20 x 2 24 x 24 x 2		24 x 20 x 2 24 x 24 x 2	
	Qty	4		2+2		3+3	
Bottom Frame		Heavy duty made with galvanized steel sheet					
Casing Frame		Made with extruded aluminum profile with thermal brake					
Panel’s Construction		Double wall construction with PU foam injected insulation					
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)					
Mixing Box		Provided with geared aluminum airfoil shaped blades					

Due to continuous improvement our product specifications may change

AHU 118HDF-DS, AHU118HDF-DSM, AHU 118HDFP6-DSM

Model AHU118		A4	A6	B4	B6
Air Flow Range	CFM	6500-7500	6500-7500	7600-8500	7600-8500
	CMH	11044-12743	11044-12743	12912-14442	12912-14442
	LPS	3069-3541	3069-3541	3588-4013	3588-4013
Nominal Air Flow	CFM	7000	7000	7800	7800
	CMH	11893	11893	13252	13252
	LPS	3305	3305	3683	3683
Maximum Coil Area	Ft²	14	14	15.6	15.6
	M²	1.30	1.30	1.45	1.45
Coil Rows	5/8"	04	06	04	06
	3/8"	06	08	06	08
Blower Diameter	Inch	17.75			
	MM	451			
Blower Type		Forward curved centrifugal			
Motor Maximum	HP	7.5			
	KW	5.6			
Max, TSP	Inch WG	3.0			
	Pa	747			
G4 Filters (aluminum filter)	Size(inch)	24 x 20 x 2 20 x 20 x 2		24 x 24 x 2	
	Qty	3+3		6	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size(inch)	24 x 20 x 2 20 x 20 x 2		24 x 24 x 2	
	Qty	3+3		6	
Bottom Frame		Heavy duty made with galvanized steel sheet			
Casing Frame		Made with extruded aluminum profile with thermal brake			
Panel's Construction		Double wall construction with PU foam injected insulation			
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)			
Mixing box		Provided with geared aluminum airfoil shaped blades			

Due to continuous improvement our product specifications may change

AHU MODELS SERIES

Low & Med. Pr. Mode

AHU 122HDF-DS, AHU122HDF-DSM, AHU 122HDFP6-DSM

Model AHU122		A4	A6	B4	B6
Air Flow Range	CFM	9500-11500	9500-11500	11600-13500	11600-13500
	CMH	16141-19539	16141-19539	19708-22937	19708-22937
	LPS	4485-5430	4485-5430	5477-6374	5477-6374
Nominal Air Flow	CFM	10500	10500	12500	12500
	CMH	17840	17840	21238	21238
	LPS	4958	4958	5902	5902
Maximum Coil Area	Ft^2	21	21	25	25
	M^2	1.95	1.95	2.32	2.32
Coil Rows	5/8"	04	06	04	06
	3/8"	06	08	06	08
Blower Diameter	Inch	22			
	MM	559			
Blower Type		Forward curved centrifugal			
Motor Maximum	HP	15			
	KW	11.2			
Max, TSP	Inch WG	3.0			
	Pa	747			
G4 Filters (aluminum filter)	Size(inch)	20 x 24 x 2		24 x 24 x 2 24 x 12 x 2 12 x 12 x 2	
	Qty	8		6+5+1	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size(inch)	20 x 24 x 2		24 x 24 x 2 24 x 12 x 2 12 x 12 x 2	
	Qty	8		6+5+1	
Bottom Frame		Heavy duty made with galvanized steel sheet			
Casing Frame		Made with extruded aluminum profile with thermal brake			
Panel's Construction		Double wall construction with PU foam injected insulation			
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)			
Mixing Box		Provided with geared aluminum airfoil shaped blades			

Due to continuous improvement our product specifications may change

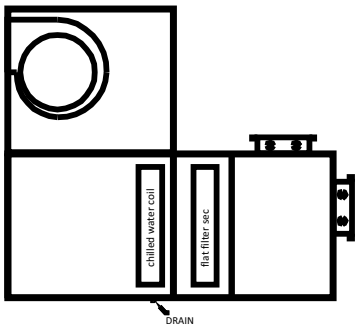
AHU 125HDF-DS, AHU125HDF-DSM, AHU 125HDFP6-DSM

Model AHU125		A4	A6	B4	B6
Air Flow Range	CFM	12000-14500	12000-14500	14600-16500	14600-16500
	CMH	20388-24636	20388-24634	24805-28034	24805-28034
	LPS	5666-6846	5666-6846	6893-7790	6893-7790
Nominal Air Flow	CFM	13500	13500	15000	15000
	CMH	22937	22937	25485	25485
	LPS	6374	6374	7082	7082
Maximum Coil Area	Ft^2	27	27	30	30
	M^2	2.51	2.51	2.8	2.8
Coil Rows	5/8"	04	06	04	06
	3/8"	06	08	06	08
Blower Diameter	Inch	25			
	MM	635			
Blower Type		Forward curved centrifugal			
Motor Maximum	HP	20			
	KW	15			
Max, TSP	Inch WG	3.0			
	Pa	747			
G4 Filters (aluminum filter)	Size(inch)	20 x 24 x 2 24 x 12 x 2		24 x 24 x 2	
	Qty	8+4		12	
P6= Mini pleat filter (65% E.) or P9= Mini pleat filter(95% E.)	Size(inch)	20 x 24 x 2 24 x 12 x 2		24 x 24 x 2	
	Qty	8+4		12	
Botom Frame		Heavy duty made with galvanized steel sheet			
Casing Frame		Made with extruded aluminum profile with thermal brake			
Panel's Construction		Double wall construction with PU foam injected insulation			
Insulation Thickness		Standard:30MM(can be provided up to 51 mm on Demand)			
Mixing Box		Provided with geared aluminum airfoil shaped blades			

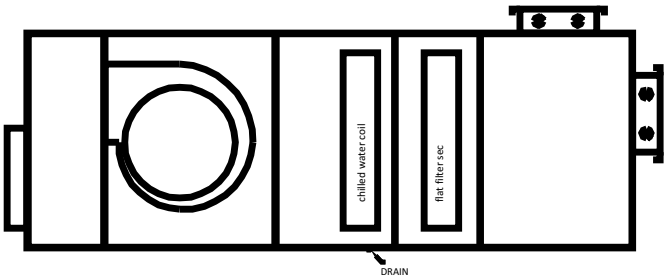
Due to continuous improvement our product specifications may change

Different Arrangements

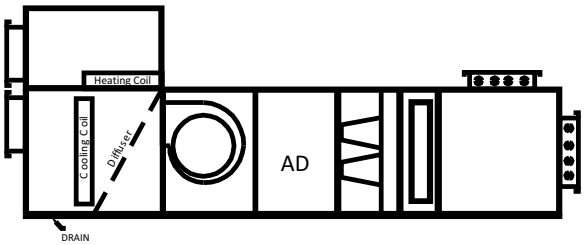
Vertical draw through arrangemnt



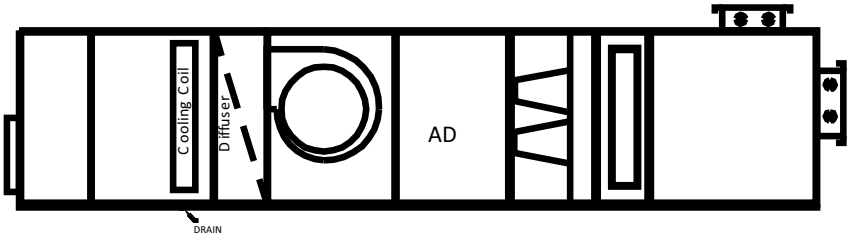
Horizontal draw through arrangemnt



Multi-zone blow through arrangemnt

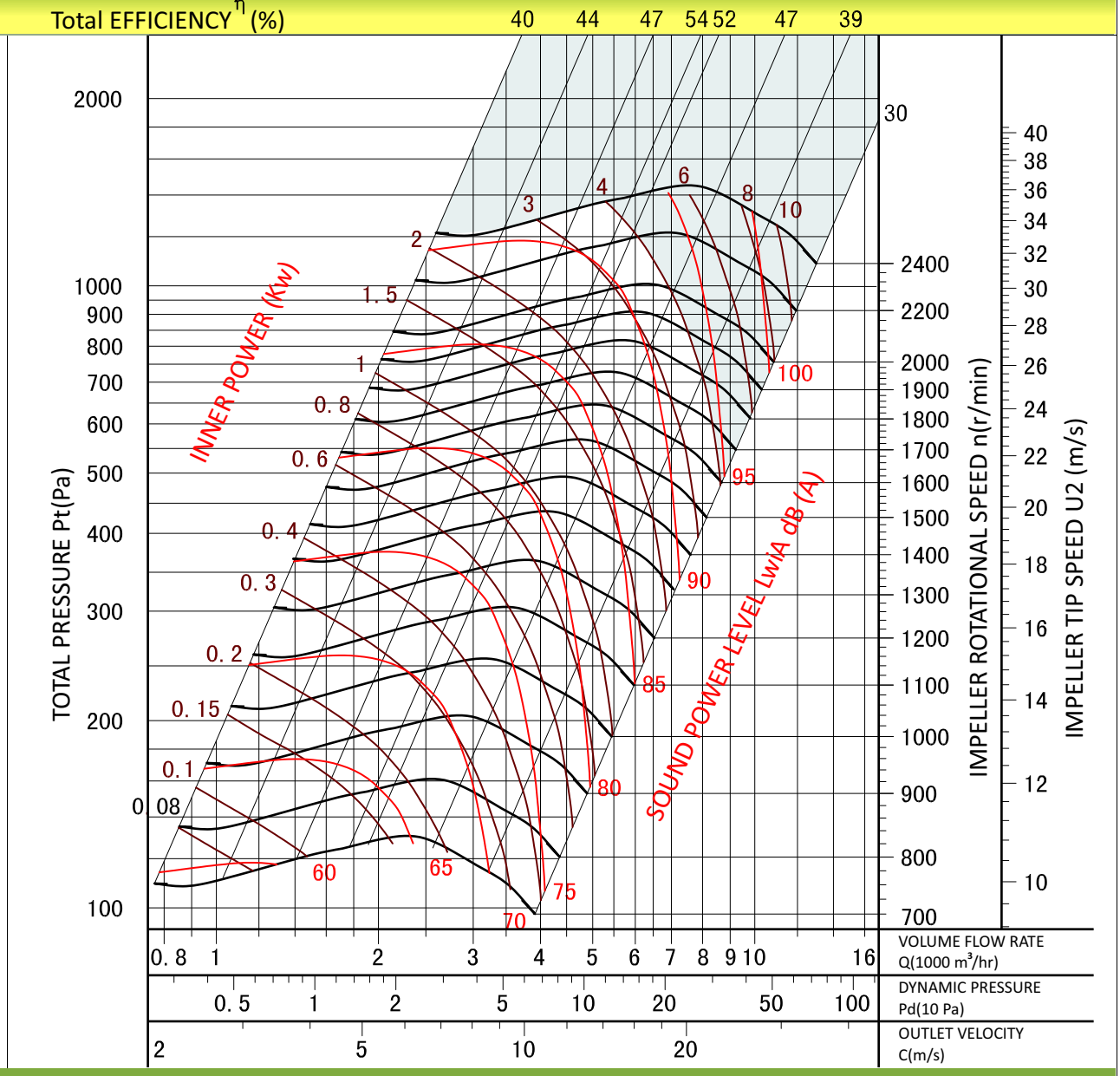


Horizontal blow through arrangemnt



AHU 110 HDF

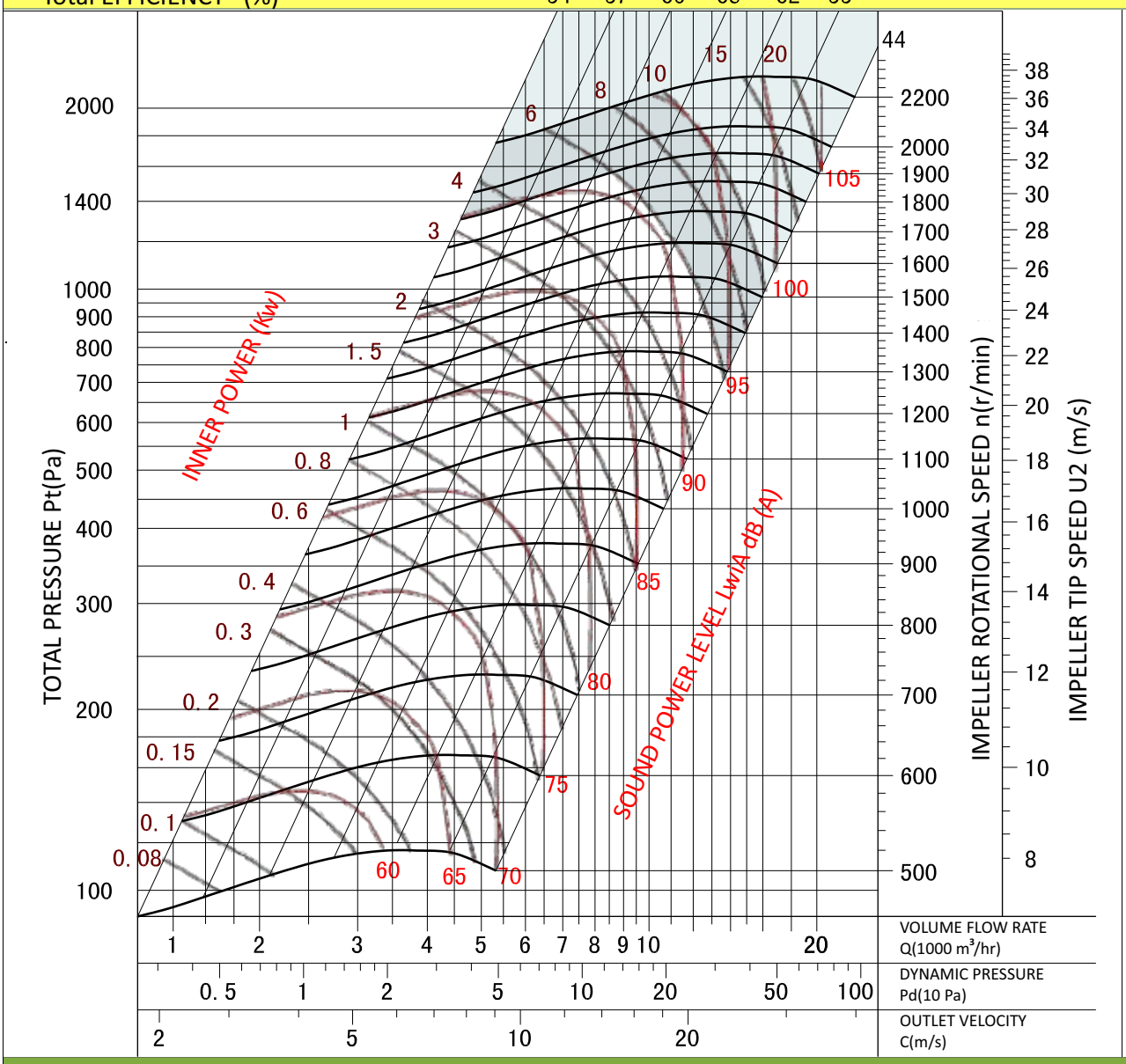
GAS DENSITY: 1.2 kg/m³



Performance certified is for Installation type B-Free inlet, ducted outlet. Power rating (kw) does not include transmission losses. The Performance ratings do not include the effects of appurtenances(accessories).The A-weighted sound ratings, shown have been calculated as per AMCA International standards 301. Vlues shown are for inlet LwiA sound power levels for installation type B: free inlet, ducted outlet.

AHU 112 HDF

GAS DENSITY: 1.2 kg/m³



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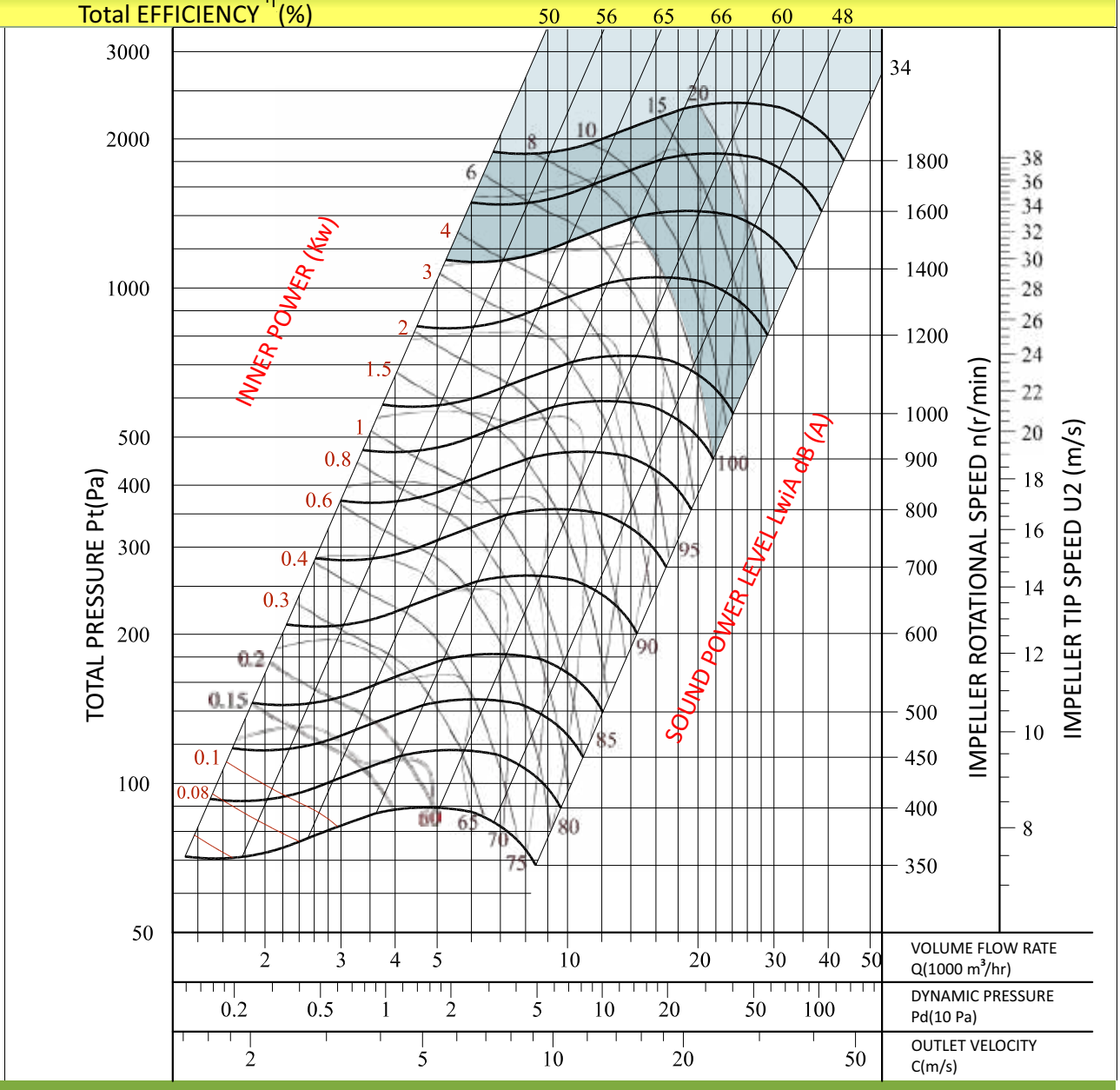
AHU 115 HDF

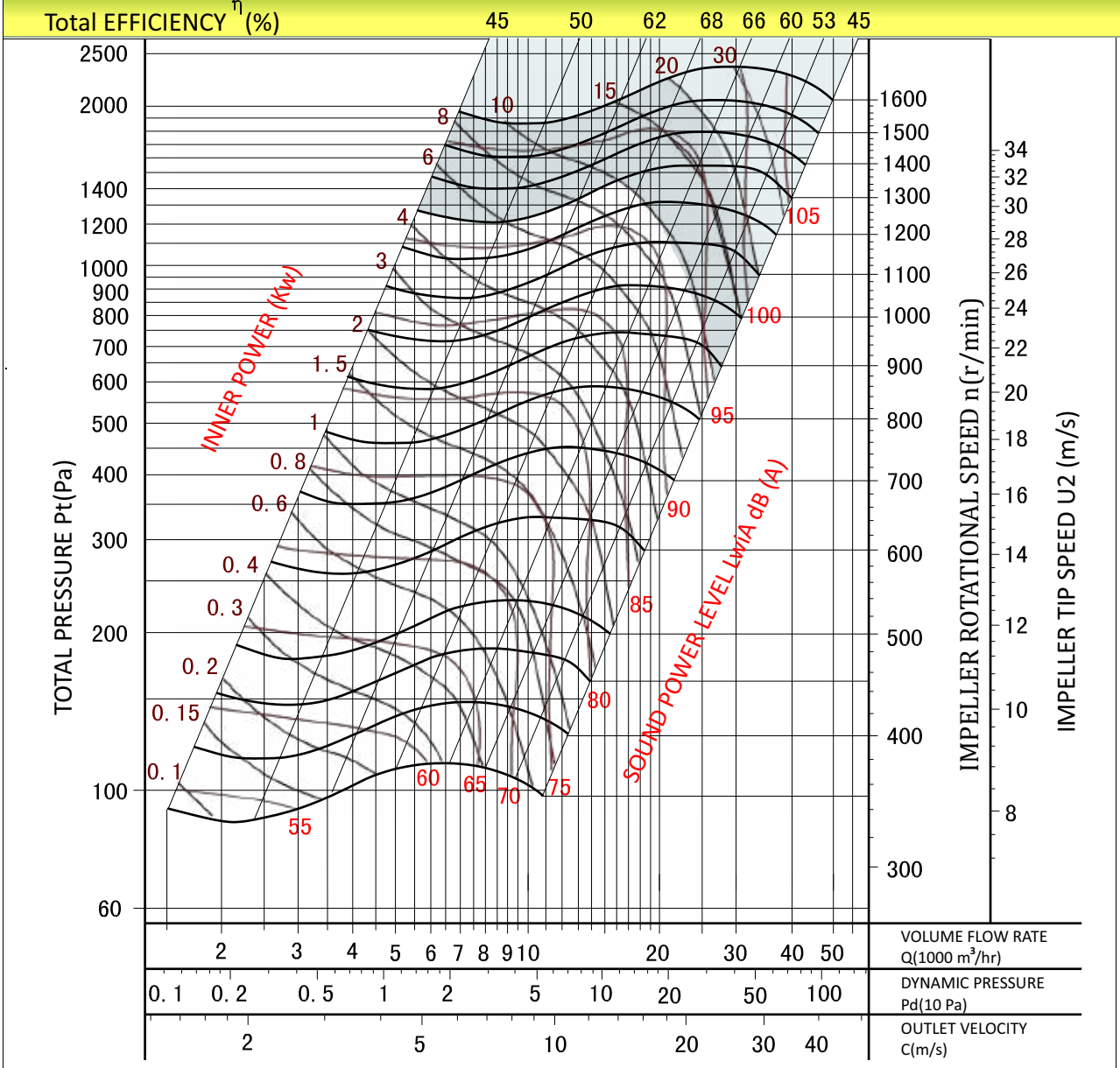
GAS DENSITY: 1.2 kg/m³



Performance certified is for Installation type B-Free inlet, ducted outlet. Power rating (kw) does not include transmission losses. The Performance ratings do not include the effects of appurtenances(accessories).The A-weighted sound ratings, shown have been calculated as per AMCA International standards 301. Vlues shown are for inlet LwiA sound power levels for installation type B: free inlet, ducted outlet.

AHU 118 HDF

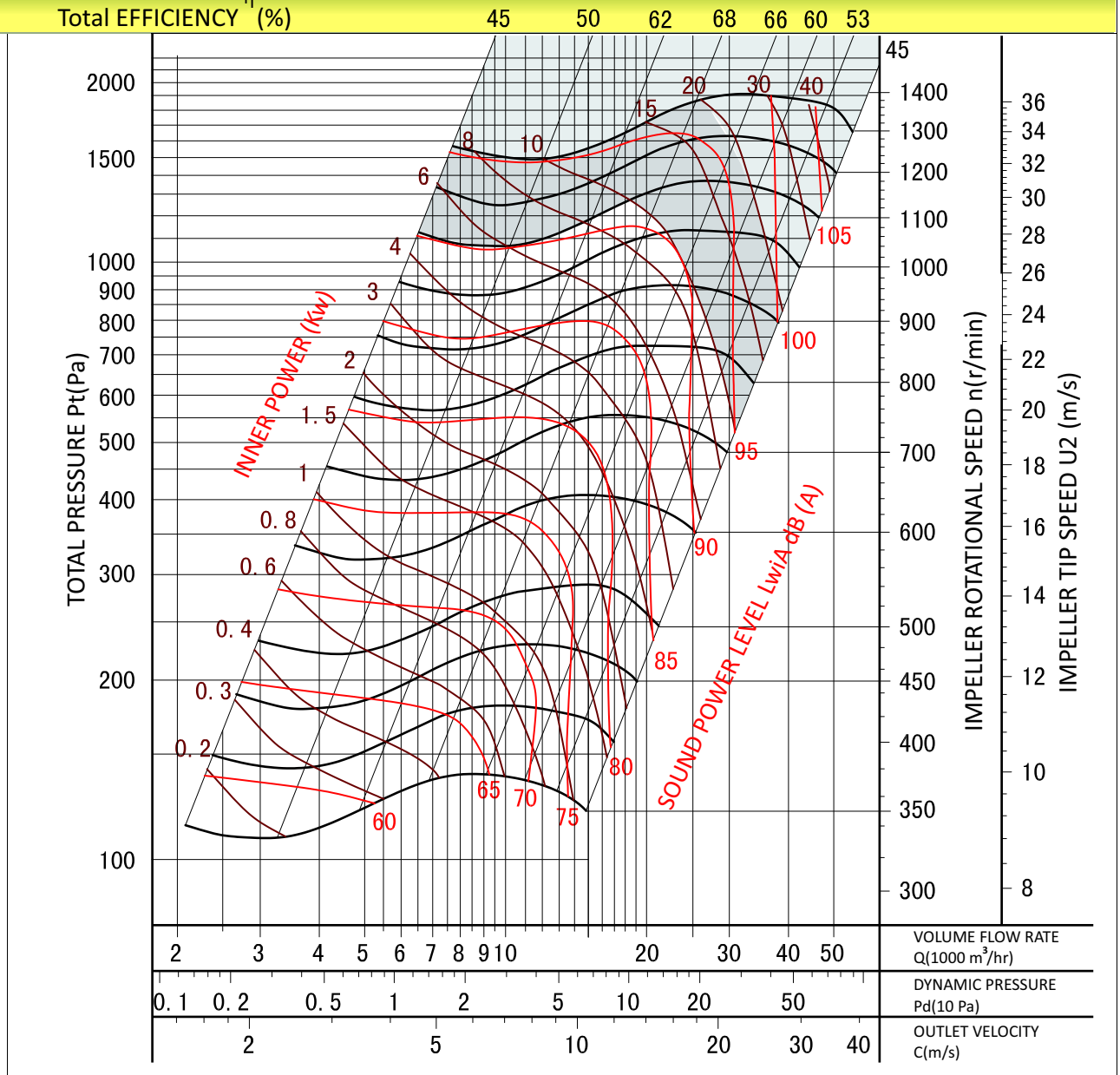
GAS DENSITY: 1.2 kg/m³



Performance certified is for Installation type B-Free inlet, ducted outlet. Power rating (kw) does not include transmission losses. The Performance ratings do not include the effects of appurtenances(accessories).The A-weighted sound ratings, shown have been calculated as per AMCA International standards 301. Vlues shown are for inlet LwiA sound power levels for installation type B: free inlet, ducted outlet.

AHU 122 HDF

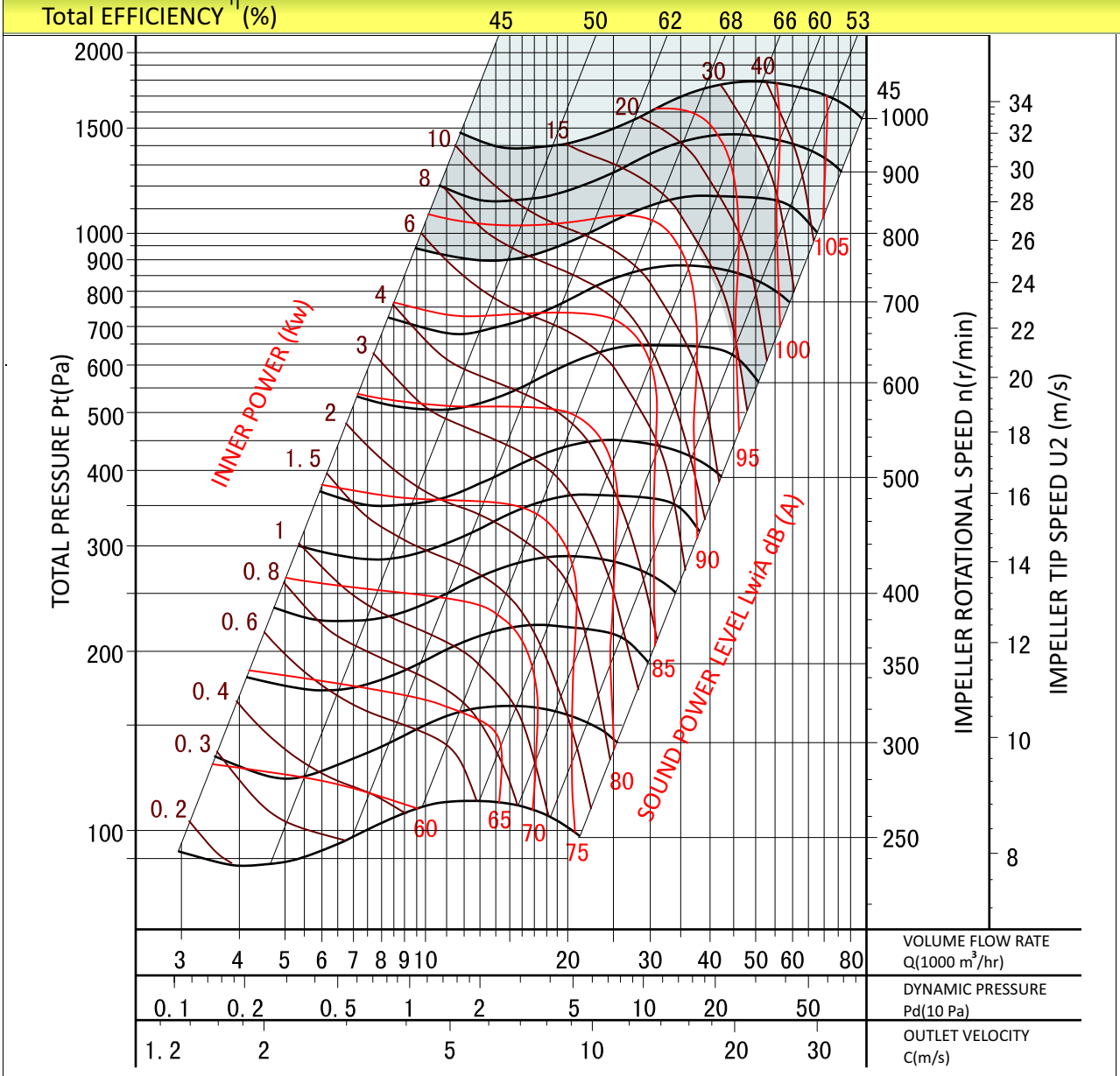
GAS DENSITY: 1.2 kg/m³



Performance certified is for Installation type B-Free inlet, ducted outlet. Power rating (kw) does not include transmission losses. The Performance ratings do not include the effects of appurtenances(accessories).The A-weighted sound ratings, shown have been calculated as per AMCA International standards 301. Vlues shown are for inlet LwiA sound power levels for installation type B: free inlet, ducted outlet.

AHU 125 HDF

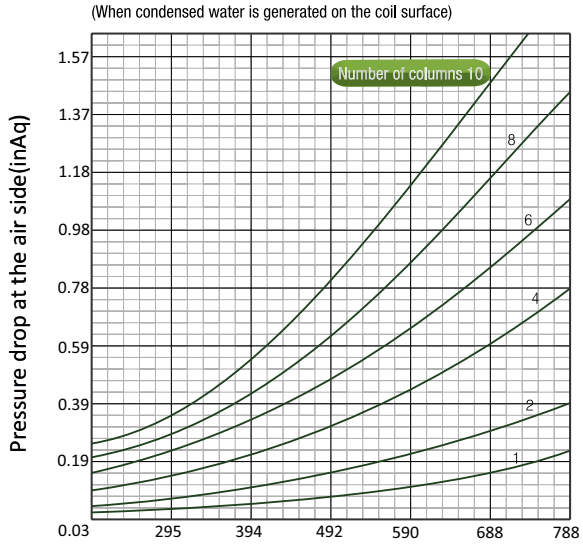
GAS DENSITY: 1.2 kg/m³



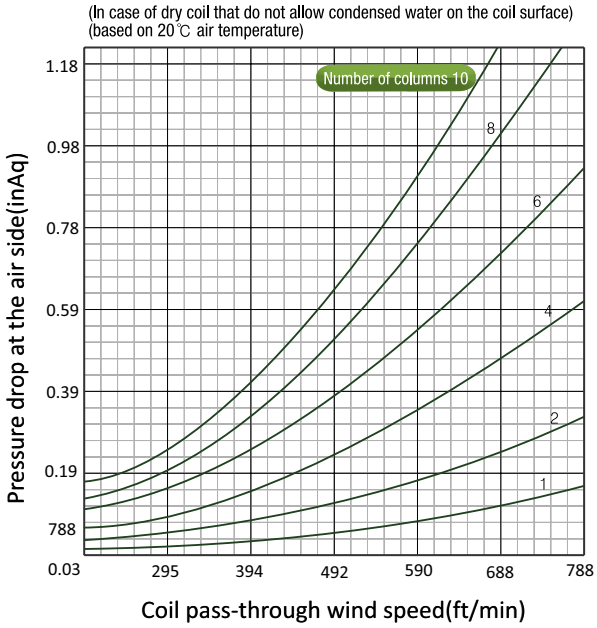
Performance certified is for Installation type B-Free inlet, ducted outlet. Power rating (kw) does not include transmission losses. The Performance ratings do not include the effects of appurtenances(accessories).The A-weighted sound ratings, shown have been calculated as per AMCA International standards 301. Vlues shown are for inlet LwiA sound power levels for installation type B: free inlet, ducted outlet.

Static pressure losses

Static pressure loss by the chilled water coil



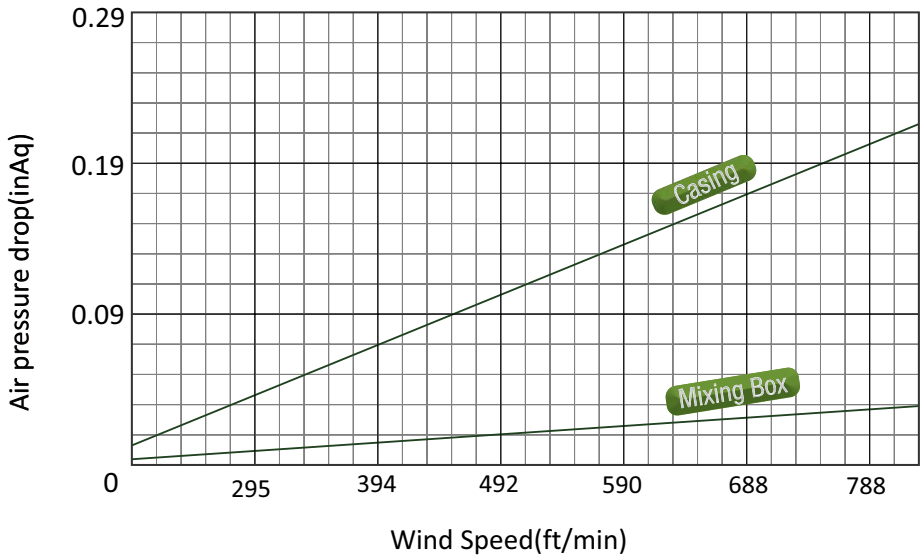
Static pressure loss by the hot water(steam) coil



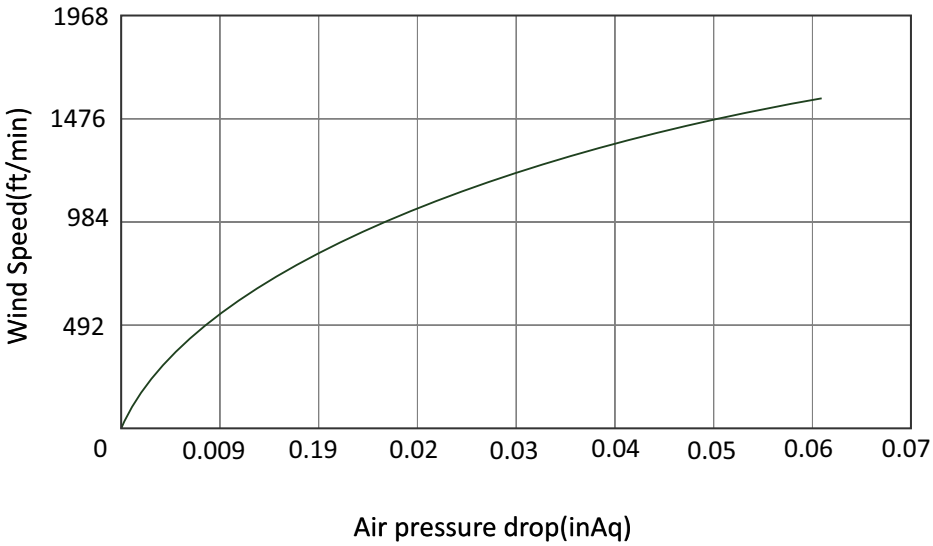
NOTE
° inAq=inch water

Static pressure losses

Static pressure drop by the mixing box and casing



Static pressure loss by the damper



FAN LAWS :

Use the Fan Laws along a system curve. If you know one (CFM, S.P.) point of a system you could use Fan Law 2 to determine the static pressure for other flow rates. They apply to a fixed air system. Once any element of the system changes, duct size, hood length, riser size, etc... The system curve changes.

$$\frac{CFM_x}{CFM_{known}} = \frac{RPM_x}{RPM_{known}}$$ Fan Law 1

$$\frac{SP_x}{SP_{known}} = \frac{CFM_x^2}{CFM_{known}^2} = \frac{RPM_x^2}{RPM_{known}^2}$$ Fan Law 2

$$\frac{BHP_x}{BHP_{known}} = \frac{CFM_x^3}{CFM_{known}^3} = \frac{RPM_x^3}{RPM_{known}^3}$$ Fan Law 3

Other calculations can be utilized to maneuver around a fan performance curve. For example, to calculate BHP from motor amp draw, use the following formula:

1 phase motors

$$BHP = \frac{V * I * E * PF}{746}$$

3 phase motors

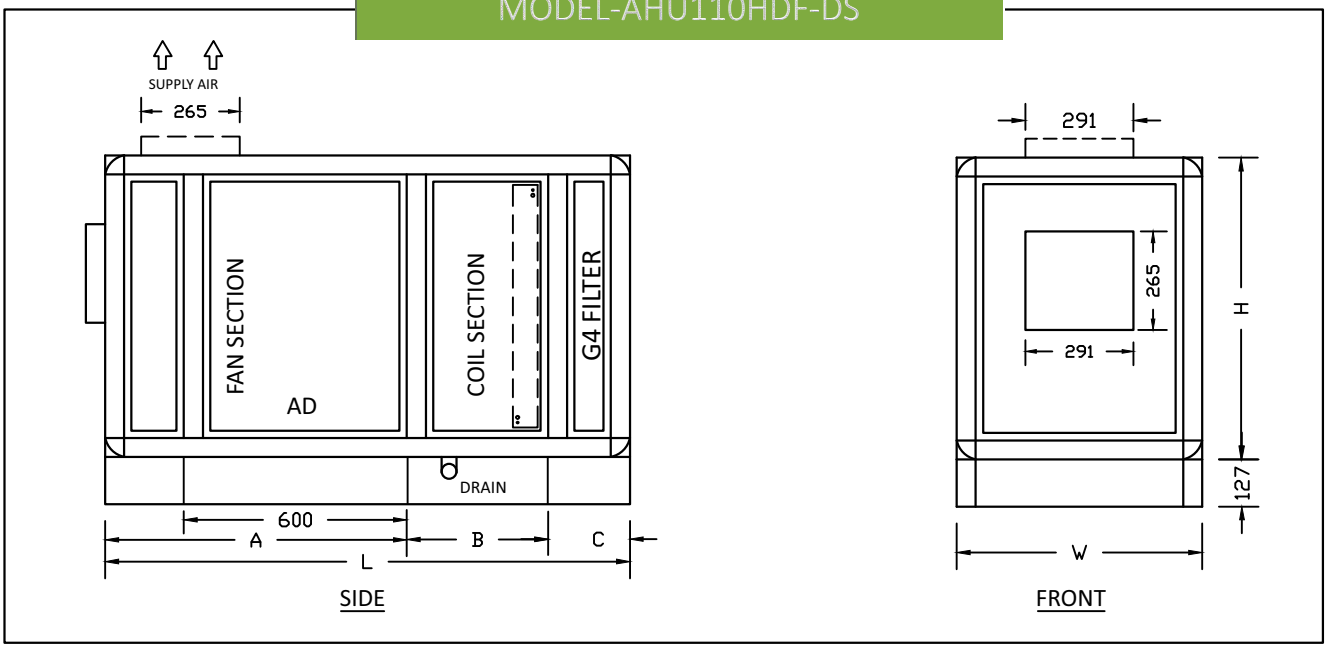
$$BHP = \frac{V * I * E * PF * 1.73}{746}$$

Where:

BHP = Brake Horsepower
V = Line Voltage
I = Line Current
E = Motor Efficiency (Usually about .85 to .9)
PF = Motor Power Factor (Usually about .9)

Once the BHP is known, the RPM of the fan can be measured. The motor BHP and fan RPM can then be matched on the fan performance curve to approximate airflow.

MODEL-AHU110HDF-DS

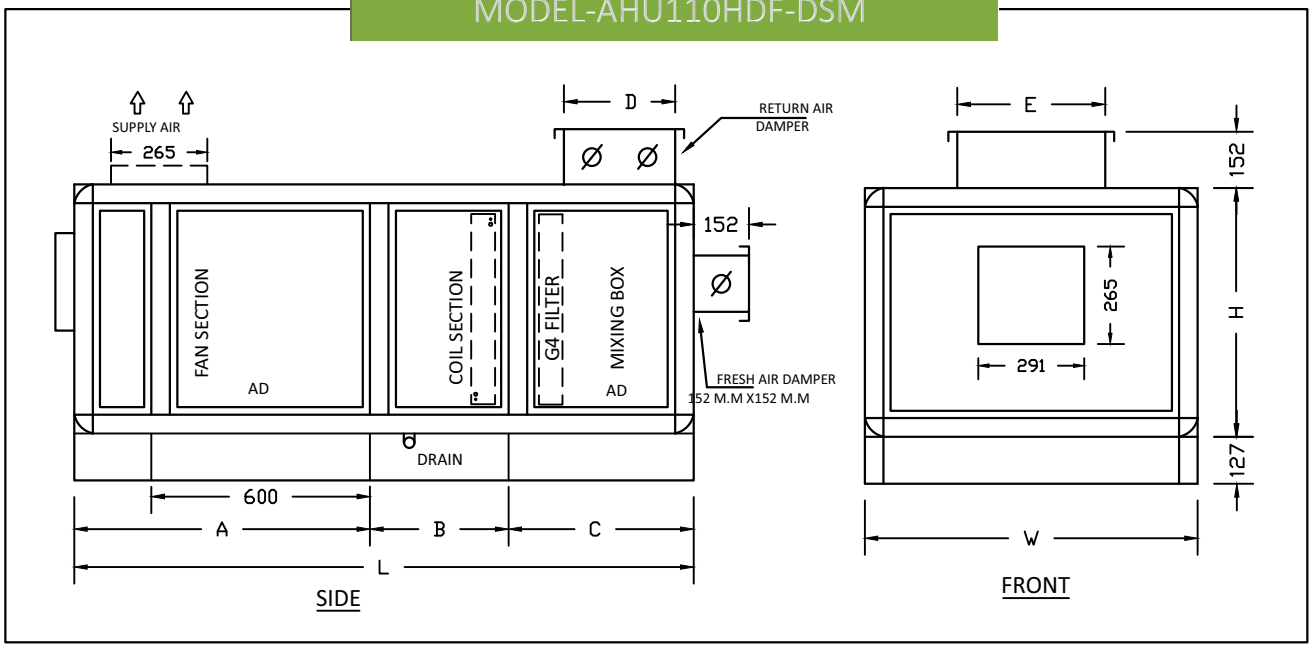


MODEL	CFM	L	W	H	A	B	C
AHU-110HDF-DS A4	800~1000	1412	660	675	812	380	220
AHU-110HDF-DS A6	800~1000	1490	660	675	812	458	220
AHU-110HDF-DS B4	1100~1600	1412	864	775	812	380	220
AHU-110HDF-DS B6	1100~1600	1490	864	775	812	458	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU110HDF-DSM

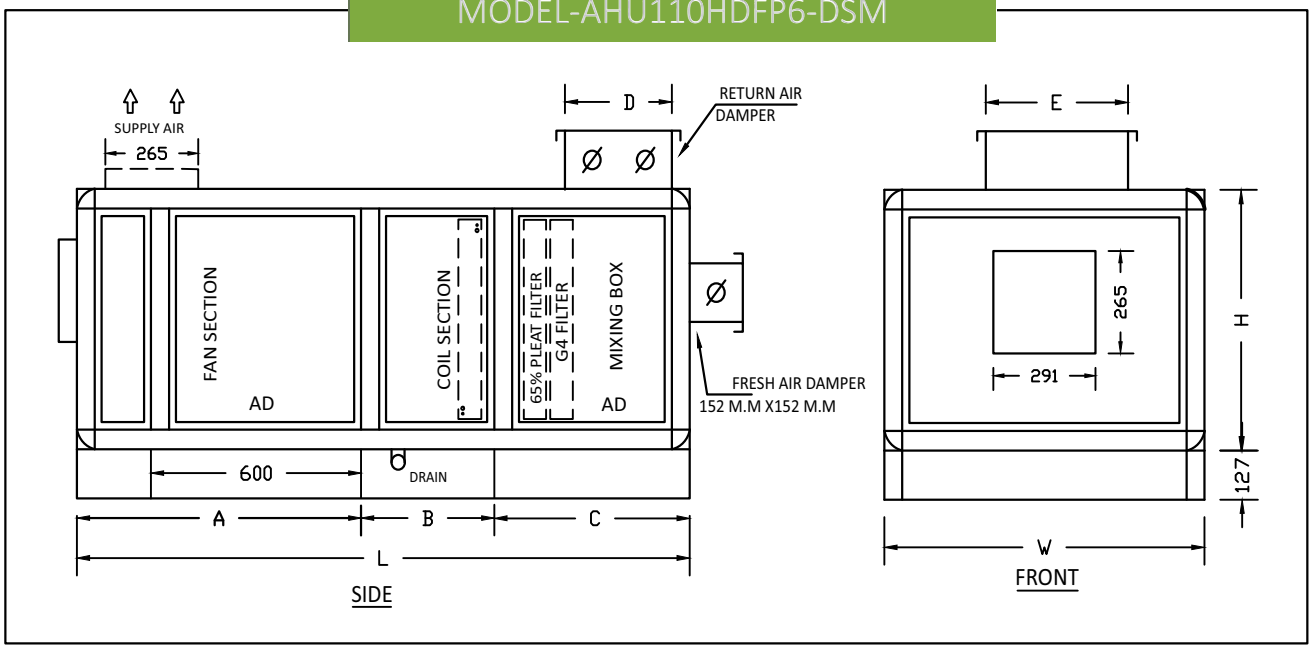


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-110HDF-DSM A4	800~1000	1700	660	675	812	380	508	305	406
AHU-110HDF-DSM A6	800~1000	1778	660	675	812	458	508	305	406
AHU-110HDF-DSM B4	1100~1600	1700	864	775	812	380	508	305	508
AHU-110HDF-DSM B6	1100~1600	1178	864	775	812	458	508	305	508

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU110HDFP6-DSM



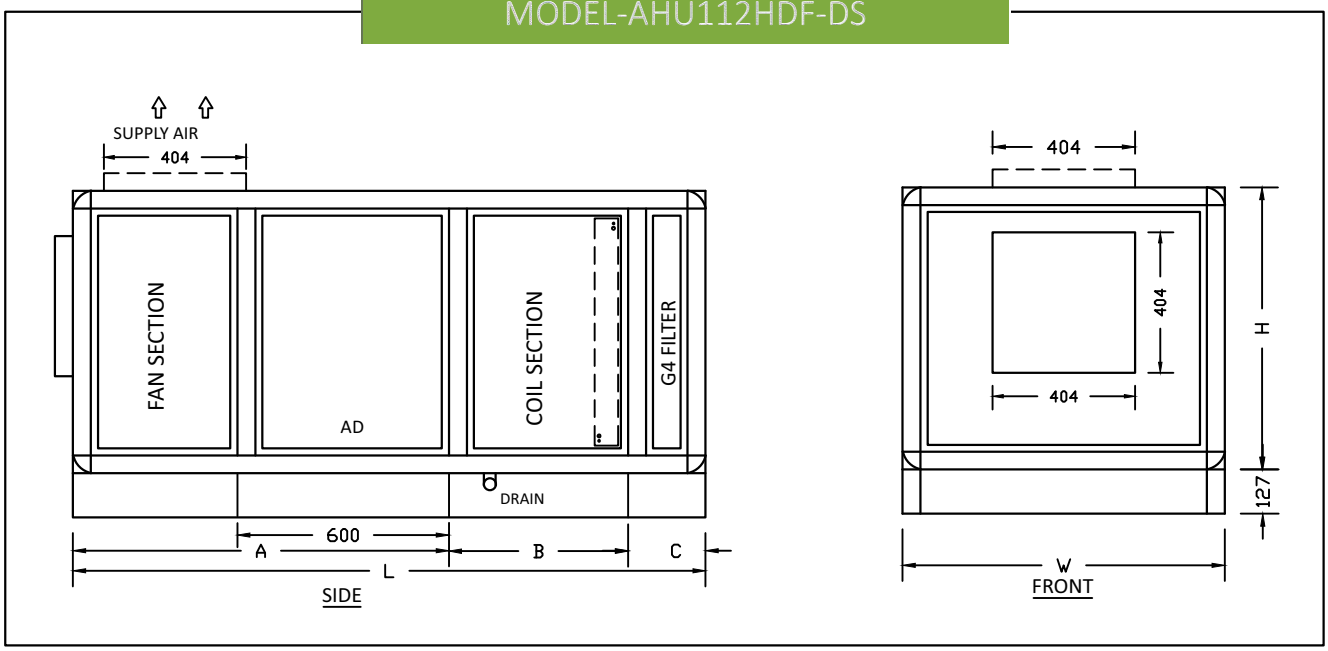
MODEL	CFM	L	W	H	A	B	C	D	E
AHU-110HDF-P6DSM A4	800~1000	1752	660	675	812	380	560	305	406
AHU-110HDF-P6DSM A6	800~1000	1830	660	675	812	458	560	305	406
AHU-110HDF-P6DSM B4	1100~1600	1752	864	775	812	380	560	305	508
AHU-110HDF-P6DSM B6	1100~1600	1830	864	775	812	458	560	305	508

NOTE

° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

MODEL-AHU112HDF-DS

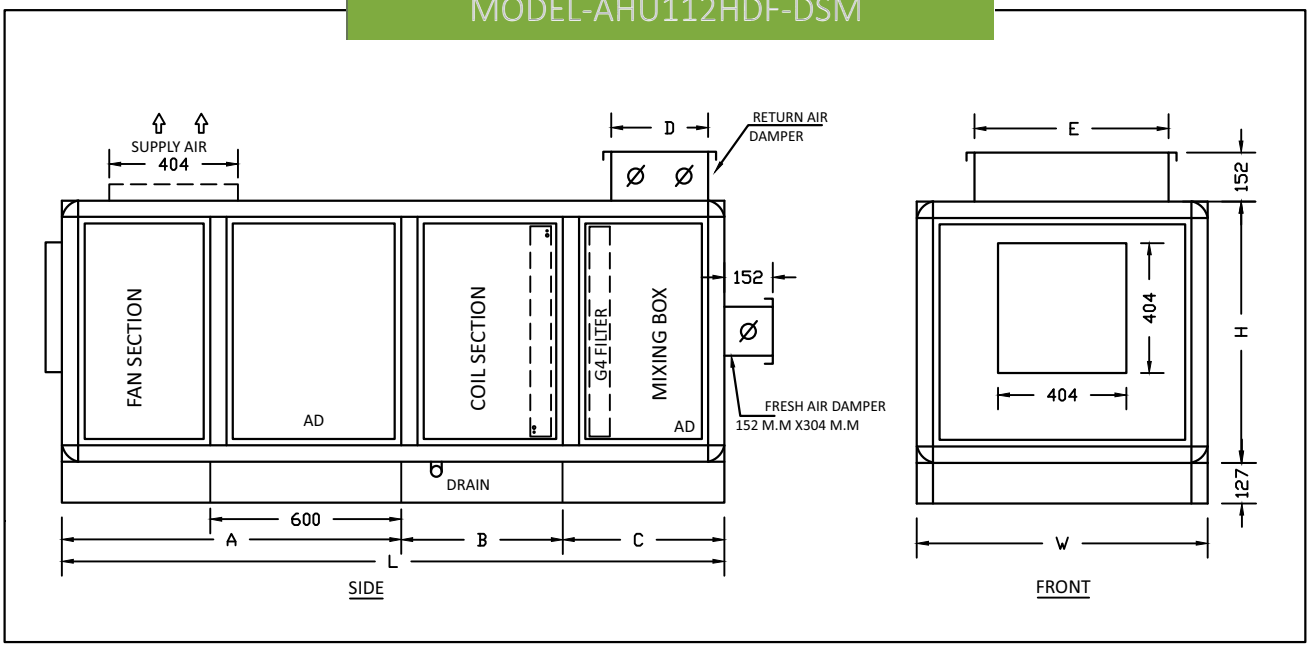


MODEL	CFM	L	W	H	A	B	C
AHU-112HDF-DS A4	1500~2000	1794	914	812	1066	508	220
AHU-112HDF-DS A6	1500~2000	1846	914	812	1066	560	220
AHU-112HDF-DS B4	2100~3000	1794	1067	812	1066	508	220
AHU-112HDF-DS B6	2100~3000	1846	1067	812	1066	560	220
AHU-112HDF-DS C4	3100~3800	1794	1295	864	1066	508	220
AHU-112HDF-DS C6	3100~3800	1846	1295	864	1066	560	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU112HDF-DSM

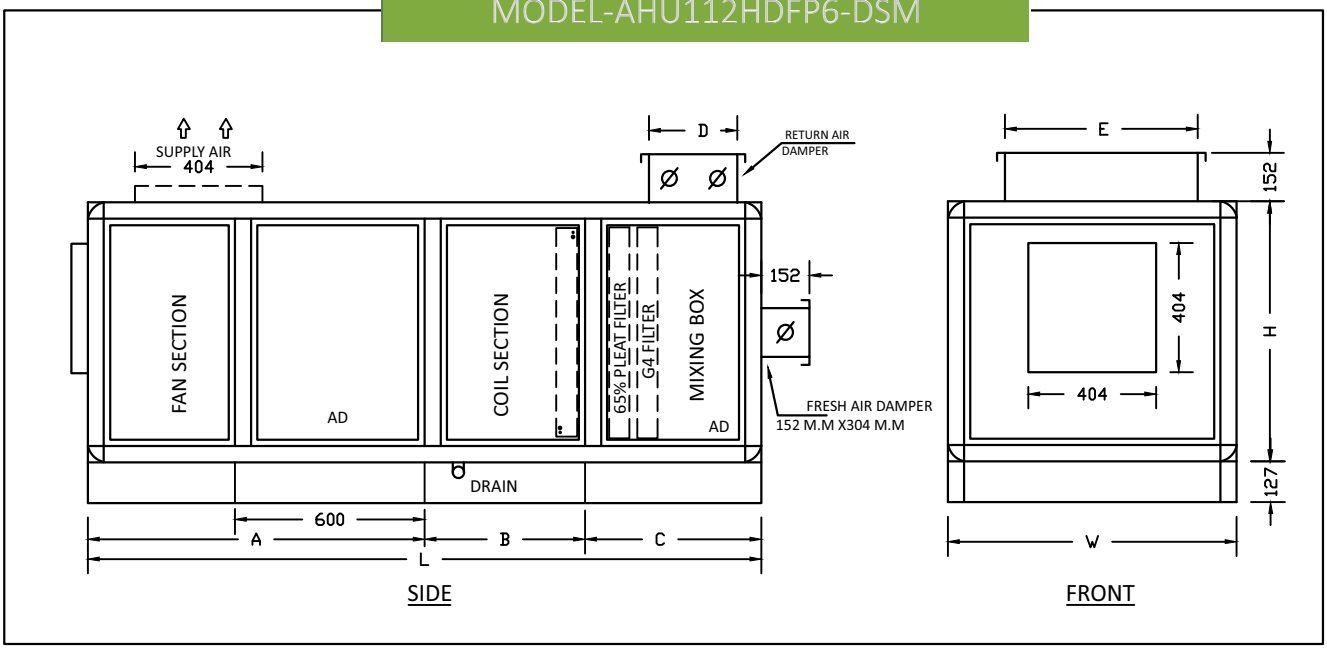


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-112HDF-DSM A4	1500~2000	2082	914	812	1066	508	508	305	610
AHU-112HDF-DSM A6	1500~2000	2134	914	812	1066	560	508	305	610
AHU-112HDF-DSM B4	2100~3000	2082	1067	812	1066	508	508	305	915
AHU-112HDF-DSM B6	2100~3000	2134	1067	812	1066	560	508	305	915
AHU-112HDF-DSM C4	3100~3800	2184	1295	864	1066	508	610	457	915
AHU-112HDF-DSM A6	3100~3800	2236	1295	864	1066	560	610	457	915

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU112HDFP6-DSM



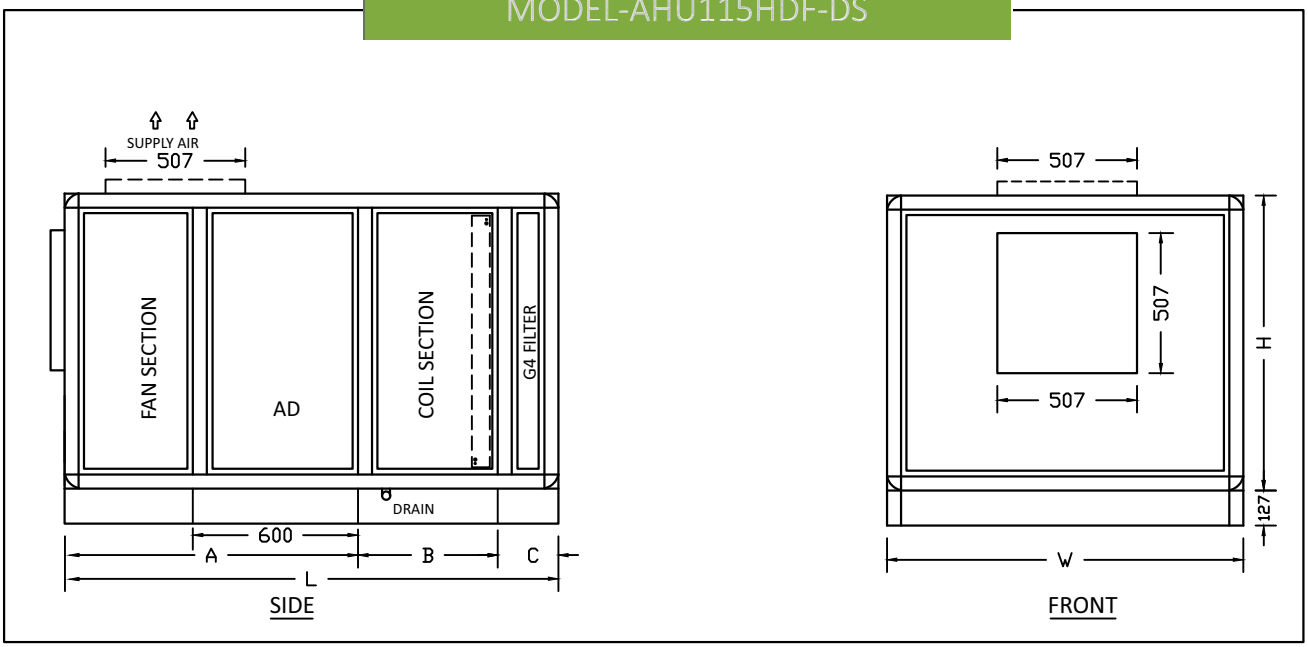
MODEL	CFM	L	W	H	A	B	C	D	E
AHU-112HDF-P6DSM A4	1500~2000	2132	914	812	1066	508	558	305	610
AHU-112HDF-P6DSM A6	1500~2000	2184	914	812	1066	560	558	305	610
AHU-112HDF-P6DSM B4	2100~3000	2132	1067	812	1066	508	558	305	915
AHU-112HDF-P6DSM B6	2100~3000	2184	1067	812	1066	560	558	305	915
AHU-112HDF-P6DSM C4	3100~3800	2132	1295	864	1066	508	558	457	915
AHU-112HDF-P6DSM A6	3100~3800	2184	1295	864	1066	560	558	457	915

NOTE

° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

MODEL-AHU115HDF-DS

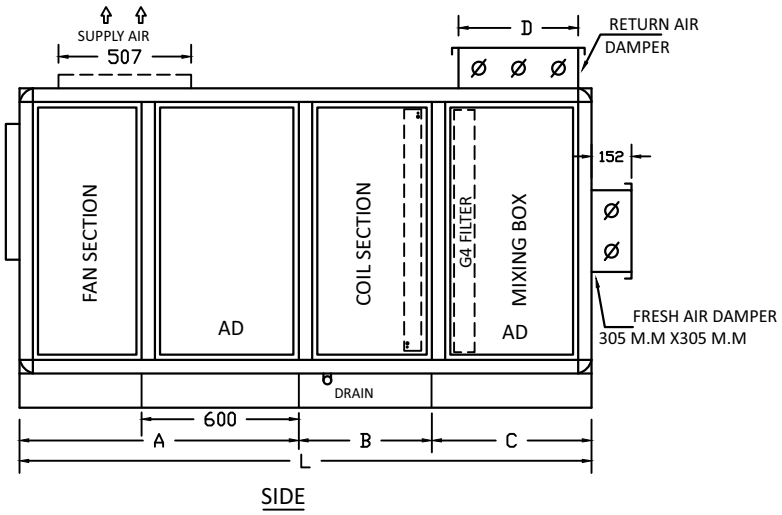


MODEL	CFM	L	W	H	A	B	C
AHU-115HDF-DS A4	4000~5000	1896	1295	1066	1168	508	220
AHU-115HDF-DS A6	4000~5000	1948	1295	1066	1168	560	220
AHU-115HDF-DS B4	5100~5800	1896	1550	1066	1168	508	220
AHU-115HDF-DS B6	5100~5800	1948	1550	1066	1168	560	220
AHU-115HDF-DS C4	5900~6500	1896	1600	1066	1168	508	220
AHU-115HDF-DS C6	5900~6500	1948	1600	1066	1168	560	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU115HDF-DSM

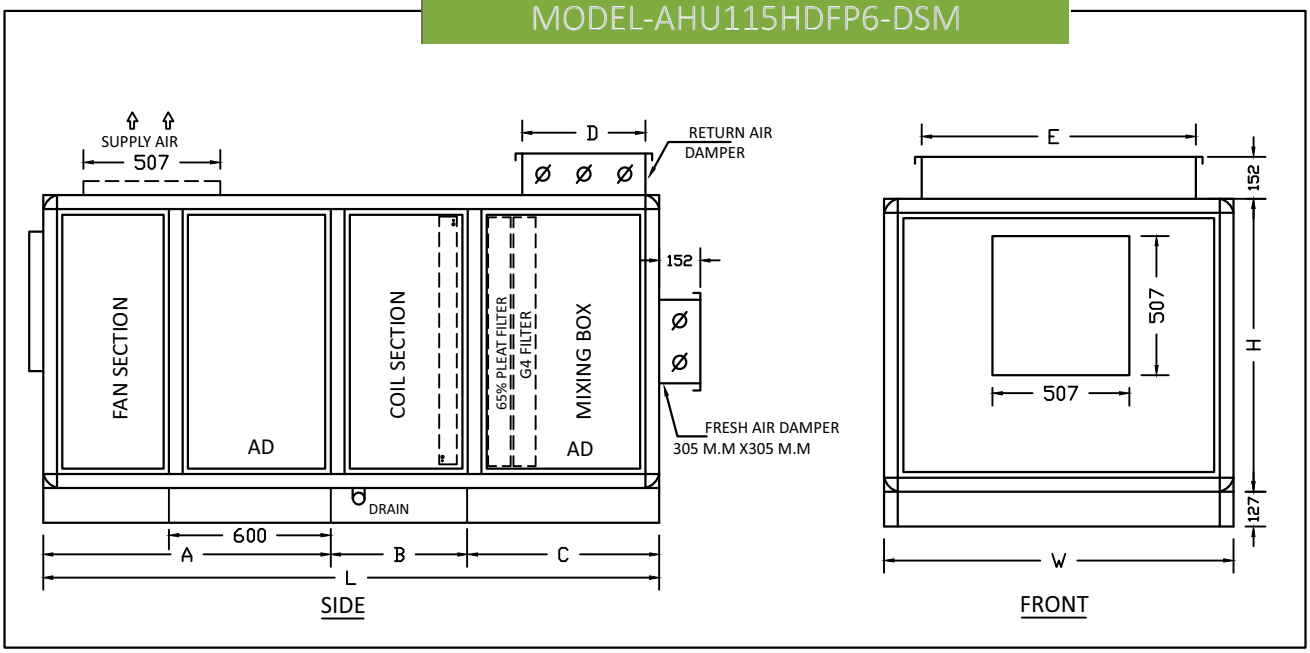


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-115HDF-DSM A4	4000~5000	1896	1295	1066	1168	508	610	457	1016
AHU-115HDF-DSM A6	4000~5000	1948	1295	1066	1168	560	610	457	1016
AHU-115HDF-DSM B4	5100~5800	1896	1550	1066	1168	508	610	457	1219
AHU-115HDF-DSM B6	5100~5800	1948	1550	1066	1168	560	610	457	1219
AHU-115HDF-DSM C4	5900~6500	1896	1600	1066	1168	508	610	457	1320
AHU-115HDF-DSM C6	5900~6500	1948	1600	1066	1168	560	610	457	1320

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU115HDFP6-DSM



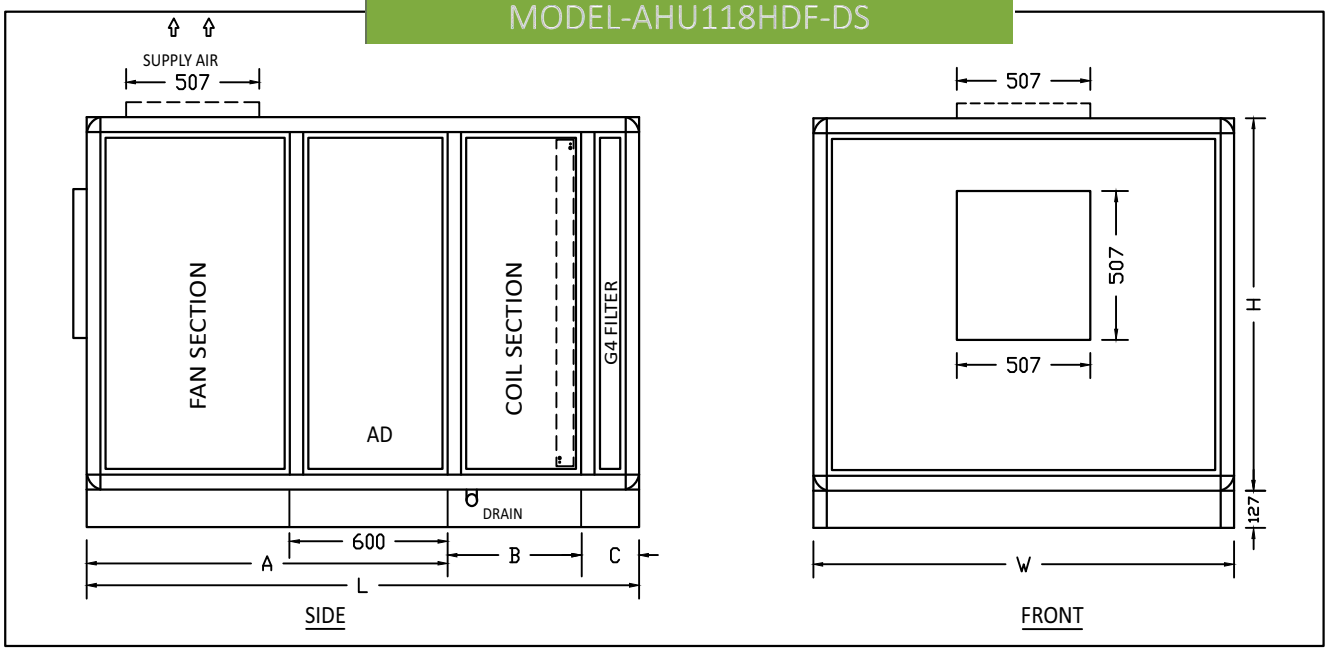
MODEL	CFM	L	W	H	A	B	C	D	E
AHU-115HDFP6-DSM A4	4000~5000	1896	1295	1066	1168	508	710	457	1016
AHU-115HDFP6-DSM A6	4000~5000	1948	1295	1066	1168	560	710	457	1016
AHU-115HDFP6-DSM B4	5100~5800	1896	1550	1066	1168	508	710	457	1219
AHU-115HDFP6-DSM B6	5100~5800	1948	1550	1066	1168	560	710	457	1219
AHU-115HDFP6-DSM C4	5900~6500	1896	1600	1066	1168	508	710	457	1320
AHU-115HDFP6-DSM C6	5900~6500	1948	1600	1066	1168	560	710	457	1320

NOTE

° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

MODEL-AHU118HDF-DS

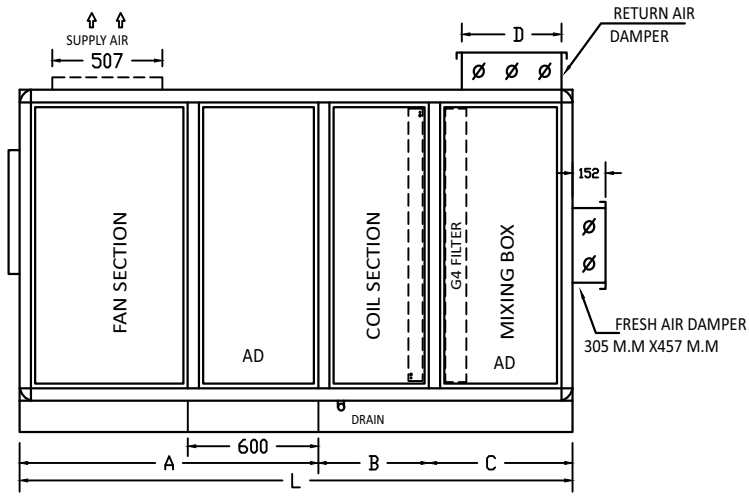


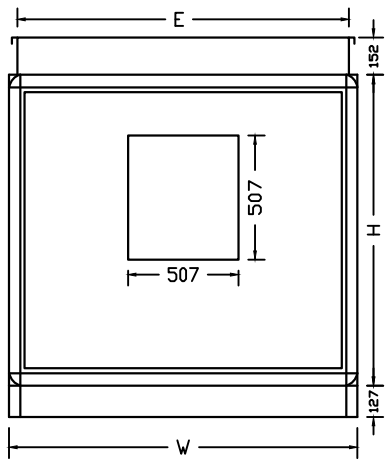
MODEL	CFM	L	W	H	A	B	C
AHU-118HDF-DS A4	6500~7500	2100	1600	1270	1370	508	220
AHU-118HDF-DS A6	6500~7500	2152	1600	1270	1370	560	220
AHU-118HDF-DS B4	7600~8500	2152	1905	1384	1370	560	220
AHU-118HDF-DS	7600~8500	2192	1905	1384	1370	560	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU118HDF-DSM



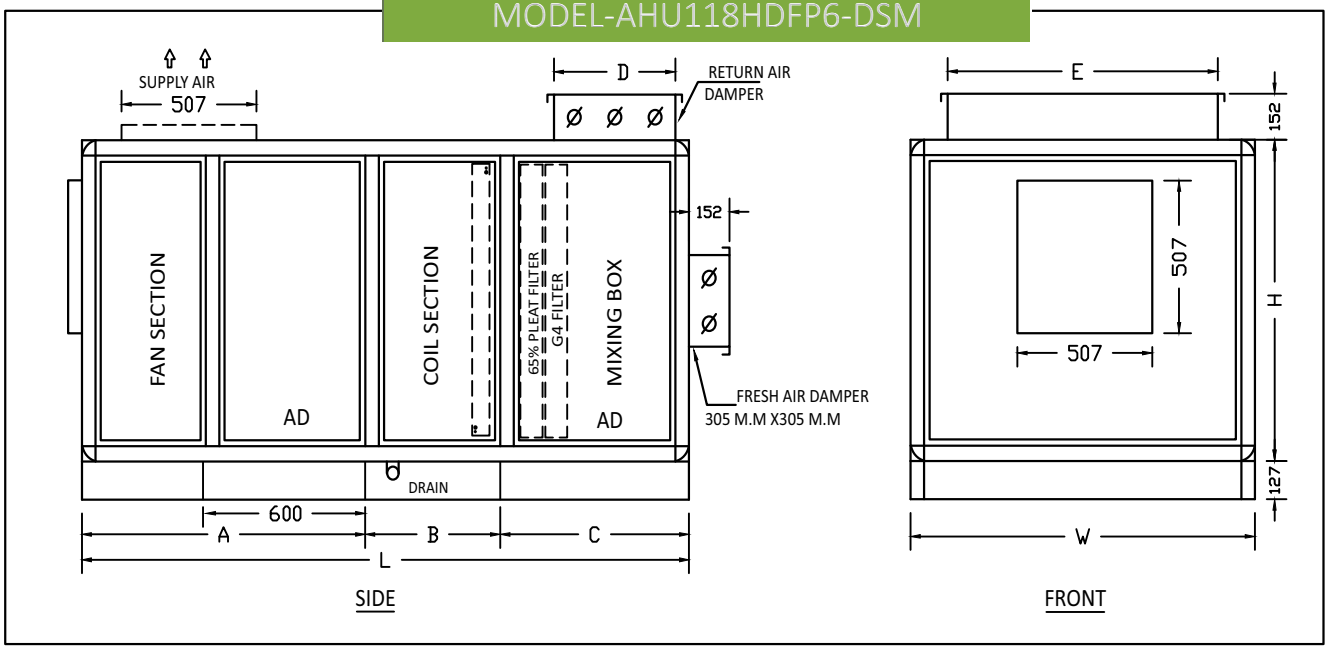


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-118HDF-DSM A4	6500~7500	2540	1600	1270	1370	508	660	457	1524
AHU-118HDF-DSM A6	6500~7500	2540	1600	1270	1370	560	660	457	1524
AHU-118HDF-DSM B4	7600~8500	2590	1905	1384	1370	560	660	457	1625
AHU-118HDF-DSM B6	7600~8500	2590	1905	1384	1370	560	660	457	1625

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU118HDFP6-DSM



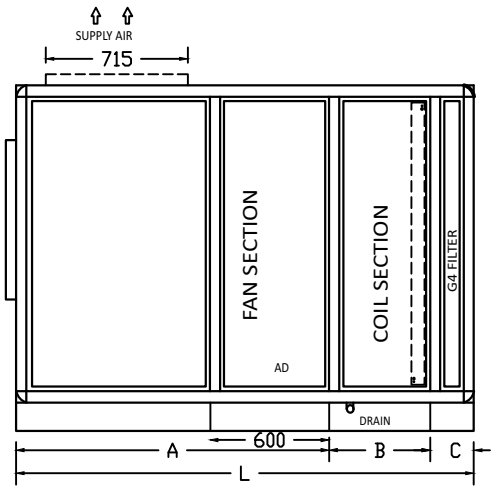
MODEL	CFM	L	W	H	A	B	C	D	E
AHU-118HDF-P6DSM A4	6500~7500	2590	1600	1270	1370	508	710	457	1524
AHU-118HDF-P6DSM A6	6500~7500	2590	1600	1270	1370	560	710	457	1524
AHU-118HDF-P6DSM B4	7600~8500	2640	1905	1384	1370	560	710	457	1625
AHU-118HDF-P6DSM B6	7600~8500	2640	1905	1384	1370	560	710	457	1625

NOTE

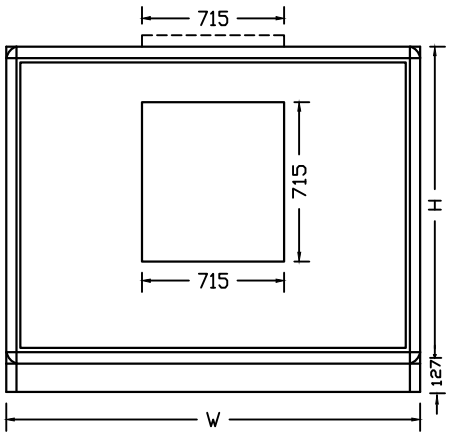
° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

MODEL-AHU122HDF-DS



SIDE



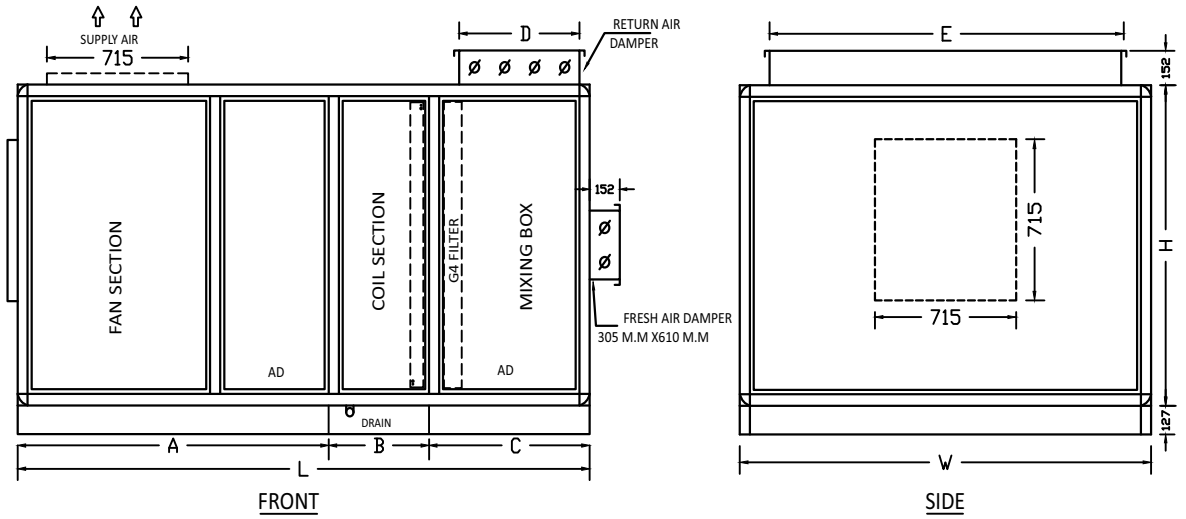
FRONT

MODEL	CFM	L	W	H	A	B	C
AHU-122HDF-DS A4	9500~11500	2305	2082	1422	1575	508	220
AHU-122HDF-DS A6	9500~11500	2255	2082	1422	1575	560	220
AHU-122HDF-DS B4	11600~13500	2431	2210	1700	1651	508	220
AHU-122HDF-DS B6	11600~13500	2471	2210	1700	1651	600	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU122HDF-DSM

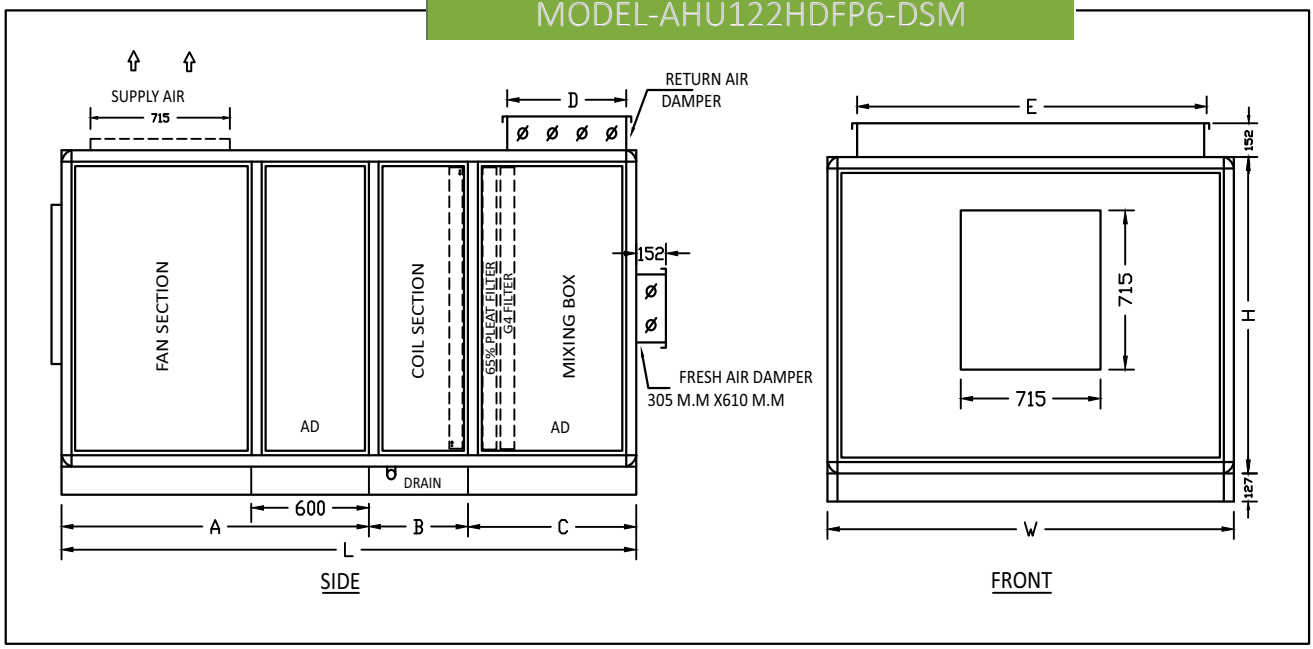


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-122HDF-DSM A4	9500~11500	2895	2082	1422	1575	508	812	610	1780
AHU-122HDF-DSM A6	9500~11500	2947	2082	1422	1575	560	812	610	1780
AHU-122HDF-DSM B4	11600~13500	2971	2210	1700	1651	508	812	610	1905
AHU-122HDF-DSM B6	11600~13500	3063	2210	1700	1651	600	812	610	1905

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU122HDFP6-DSM



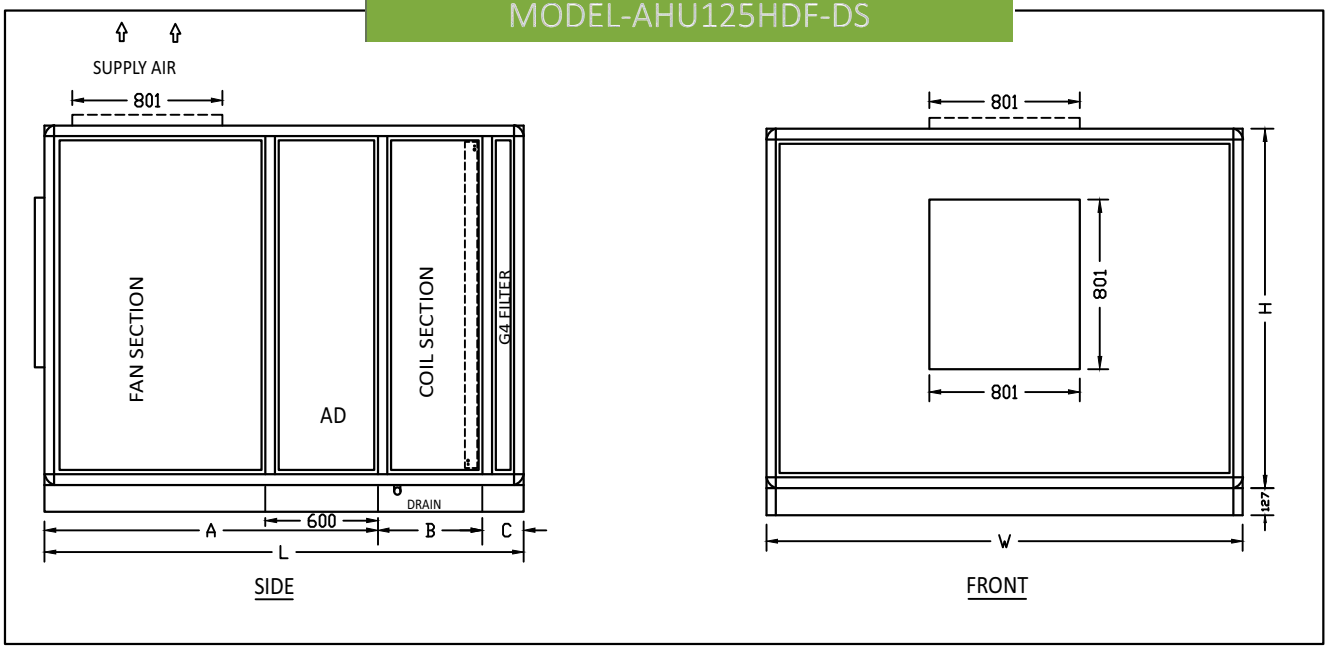
MODEL	CFM	L	W	H	A	B	C	D	E
AHU-122HDFP6-DSM A4	9500~11500	2145	2082	1422	1575	508	862	610	1780
AHU-122HDFP6-DSM A6	9500~11500	2997	2082	1422	1575	560	862	610	1780
AHU-122HDFP6-DSM B4	11600~13500	3021	2210	1700	1651	508	862	610	1905
AHU-122HDFP6-DSM B6	11600~13500	3113	2210	1700	1651	600	862	610	1905

NOTE

° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

MODEL-AHU125HDF-DS

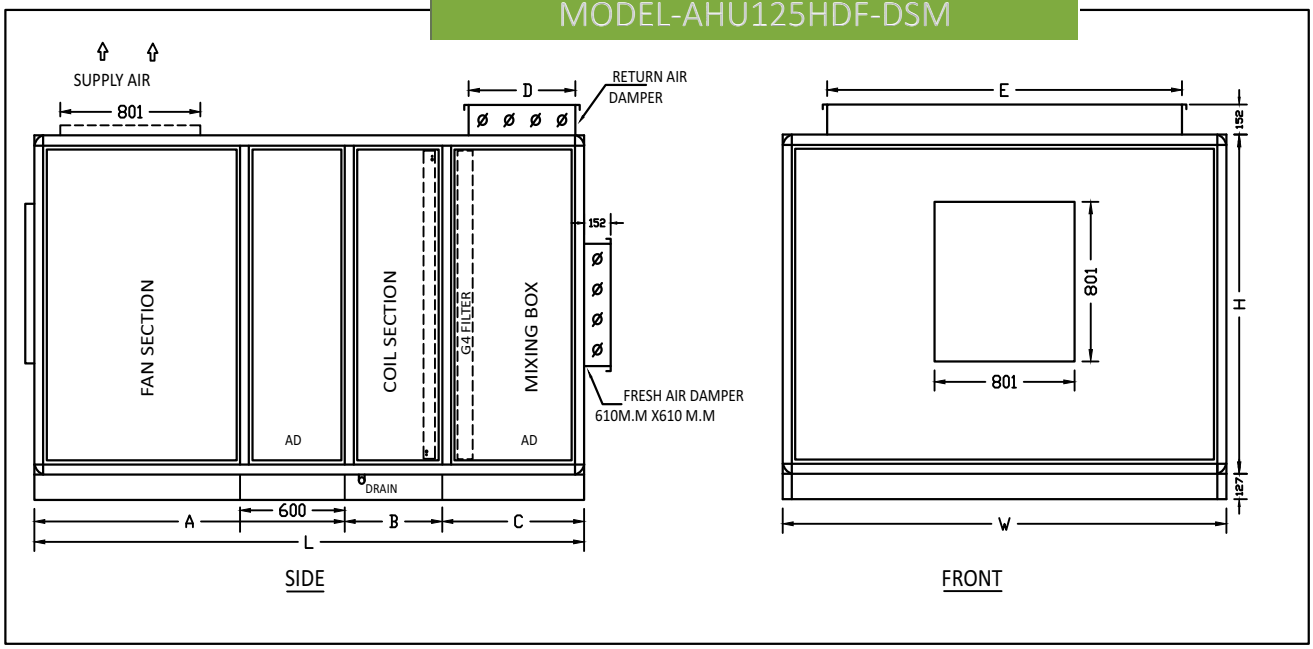


MODEL	CFM	L	W	H	A	B	C
AHU-125HDF-DS A4	12000~14500	2556	2540	1700	1778	558	220
AHU-125HDF-DS A6	12000~14500	2598	2540	1700	1778	600	220
AHU-125HDF-DS B4	14600~16500	2556	2540	2006	1778	558	220
AHU-125HDF-DS B6	14600~16500	2598	2540	2006	1778	600	220

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU125HDF-DSM

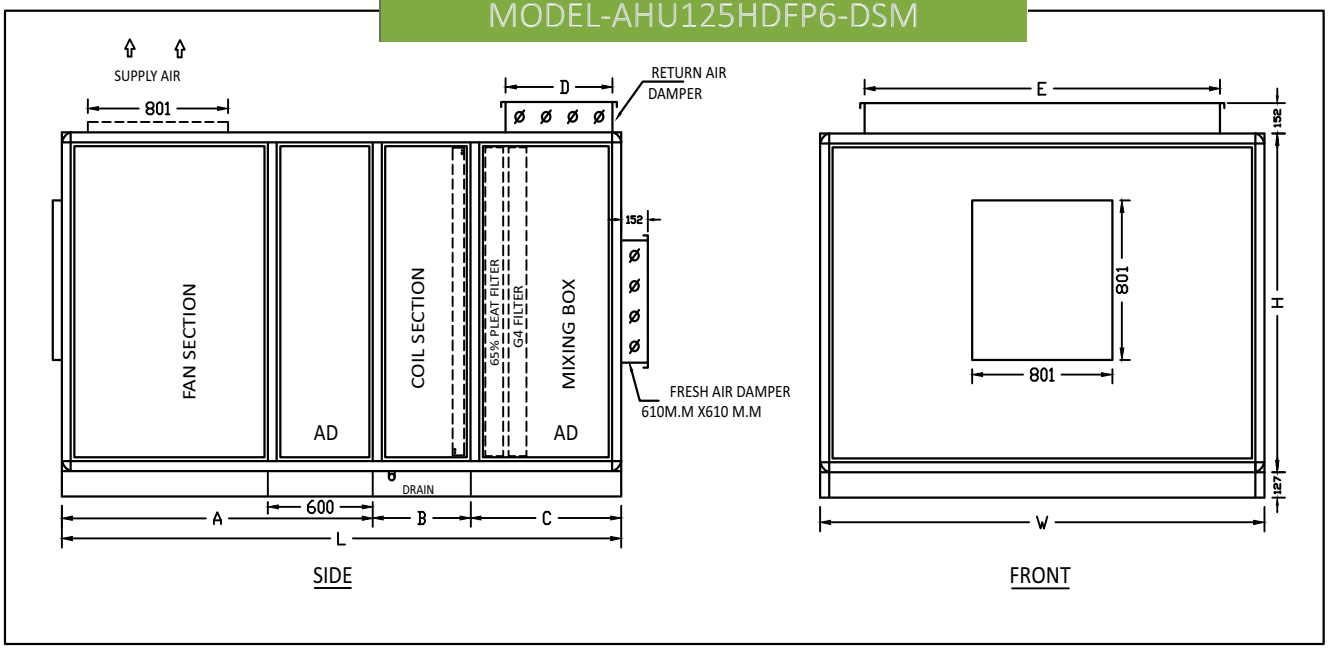


MODEL	CFM	L	W	H	A	B	C	D	E
AHU-125HDF-DSM A4	12000~14500	3148	2540	1700	1778	558	812	610	2032
AHU-125HDF-DSM A6	12000~14500	3190	2540	1700	1778	600	812	610	2032
AHU-125HDF-DSM B4	14600~16500	3148	2540	2006	1778	558	812	610	2086
AHU-125HDF-DSM B6	14600~16500	3190	2540	2006	1778	600	812	610	2086

NOTE

° For single skin construction use “SS” in place of “DS”

MODEL-AHU125HDFP6-DSM



MODEL	CFM	L	W	H	A	B	C	D	E
AHU-125HDF-P6DSM A4	12000~14500	3198	2540	1700	1778	558	862	610	2032
AHU-125HDF-P6DSM A6	12000~14500	3240	2540	1700	1778	600	862	610	2032
AHU-125HDF-P6DSM B4	14600~16500	3198	2540	2006	1778	558	862	610	2086
AHU-125HDF-P6DSM B6	14600~16500	3240	2540	2006	1778	600	862	610	2086

NOTE

° For single skin construction use “SS” in place of “DS”

° For 95% minipleat filters, use “P9” instead of “P6”

AVOIRDUPOIS WEIGHT
Dram = 1.177 grams
Ounce (16 drams) = 28.35 grams
Pound (16 ounces) = 0.454 kilograms
Quarter (28 pounds) = 12.695 kilograms
Hundredweight (112 pounds) = 50.802 kilograms
Ton (20 hundredweight) =1016.05 kilograms

LINEAR MEASURE
Milimeter (1/1000 M.) = 0.039 inch
Centimeter (1/100 M.) = 0.393 inch
Decimeter (1/10 M.) = 3.937 inches
Meter = 39.3704 inches = 3.28086 feet
Decameter (10 M.) = 32.8086 feet
Hectometer (100 M.) = 328.086 ft at = 109.36 yards
Kilometer (1,000 M.) = 1093.633 yards = 0.62137 mile
Myriameter (10,000 M.) = 6.2137 miles
1 Inch = 2.5399 centimeters
1 Foot = 0.3048 meter
3 Feet (1 yard) = 0.9144 meter
1 Fathom (2 yards) =1.83 meters
1 Pole (5 1/2 yards) = 5.03 meters
1 Furlong (220 yards) =201.17 meters
1 Mile (1,760 yards) = 1609.34 meters
or 1.609 Kilometers

SUPERFICIAL MEASURE
Square inch = 6.4516 square centimeters
Square foot = 0.0929 square meter
Square yard = 0.836 square meter = 00836 are
Rod = 5.03 meters
Rood (1,210 square yards) = 10.117 ares
Acre (4.840 square yards) = 40.468 ares
Square mile = 2.59 square kilometers
1 Square Centimeter = .0000000001 square kilometers
1 Square Meter = 10.7640 square feet
1 Acre = 4840 square yards
1 Hectare = 2.471 acres = 0.00386 square mile

SOLID MEASURE
Cubic inch = 16.387 cubic centimeters
Cubic foot = 0.0283 cubic meter
Cubic yard = 0.7646 cubic meter
1 Cubic centimeter = 0.06102 cubic inch
1 Cubic meter = 35.315 cubic foot = 1.308 cubic yards

CAPACITY
1 Gill = 0.142065 liter
1 Pint =0.568261 liter
1 Quart = 1.13652 liters
1 Gallon = 4.54609 liters
1 Milliliter = .06102 cubic inch
1 Liter = 1.7598 pints = .219969 gallon

Sabro Airconditioning

Inspired by the 'stimulus to grow' through knowledge, interlaced with the zeal and sheer commitment of an enthusiastic team and gripped by the obsession of three brothers of turning the dream-into reality, **Sabro** has evolved, grown and expanded **since its inception in 1969.**

For over five decades, Sabro has been a trusted brand name that has exceeded expectations nationwide & internationally, catering to the needs of both domestic as well international customers.

Made In PAKISTAN
Since 1969

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