



Slim Type Air Handling Units

Horizontal and Vertical Type
CG – HC/VS series



HC : Horizontal Ceiling Suspended
VS : Vertical Stand Floor Mounted
UP to 17,000 CMH, 10,000 CFM

- Compact Design Suit All applications
- The Best of space Requirements
- High Flexibility Of installations.
- Affordable Solution.
- Low / Medium and High Static pressure.
- Much Acoustical proposal.
- High Performance EC Fan proposals.
- Reliable and Durable panel construction.





Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

General

Claim Green Slim Type air handling units manufactured in different series, CG – HC “Horizontal concealed” or VS “vertical Stand” series are units configurable to meet, with the adoption of appropriate components, the standard configuration shall include supply fan, cooling coil, pre-filter however it could integrate with mixing, filtration, heating, up request as an option and according to the engineering design requirements.

The typical application is the air conditioning of offices, shops, public houses, common spaces in residential buildings, factory buildings and in all the rooms where it is necessary to keep the dimension of the unit as low as possible in height.

Features

- The air handling units CG - HC/VS series are available in different 11 sizes, for a range of flow rates between 1000 and 17,000 m³/h, and total pressure up to 1000 Pa.
- CG-CH- Ceiling suspended series is suitable for indoor application installation while vertical stand CG-VS series is applicable for both of indoor and outdoor applications, the thermal insulation and panel thickness in outdoor application have much more specification considerations.
- P1 : panel construction shall comprise 25mm thickness Fiber glass insulation constructed with 24 kg/m³ density and 0.033 W/m °K thermal conductivity, and it shall be conformed to SMACNA standard.
- For outdoor installation: P2 panel construction shall constructed by 50mm aluminum profile comprise fiberglass or polyurethane foam insulation shall conform to a density 40 kg/m³ according to the test standard ASTM D-1622-88 and thermal conductivity of 0.020 W/m °K according to test standard ASTM C518-56.
- Except for outdoor applications as the outer skin shall be precoated or plasticized finish, All panels outer / inner skin shall be constructed with galvanized skin finish as standard unless otherwise specified.
- All panels outer / inner skin shall be constructed with galvanized skin finish as standard unless otherwise specified.
- Units shall be draw through arrangement, compact and rigid in construction. suitable for both duct connection and free discharge applications.



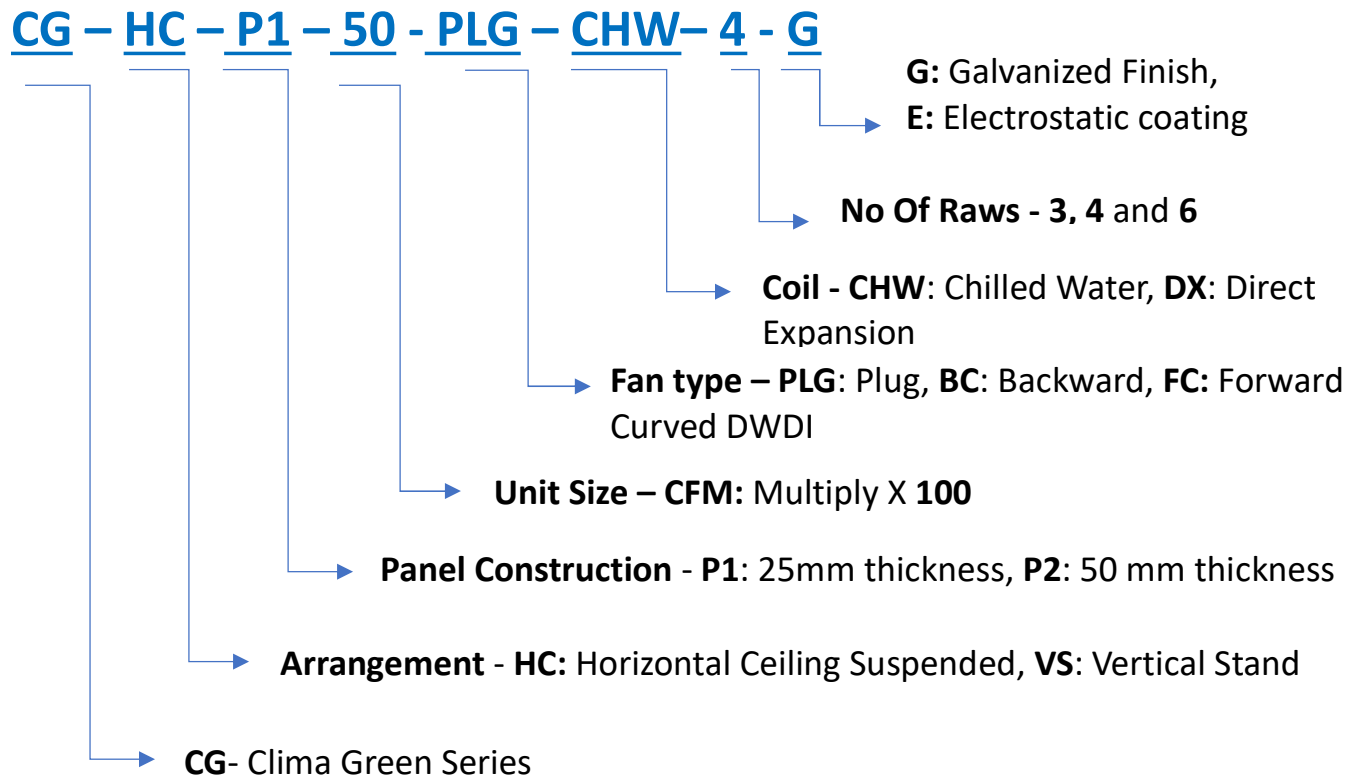
Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

- Aluminum profile frames are assembled using strong nylon corners. All fixed and access panels are constructed from heavy gauge hot dipped galvanized steel conforming to ASTM Standard. Access panels are provided with quick release fasteners or door locks to facilitate access to all internal components for maintenance and service.
- Proper gaskets to ensure excellent leak tight, thermal, and acoustical insulation.
- Units are factory assembled and tested in accordance to ISO standards.

Identifications

Size and configuration are identified by the following string:

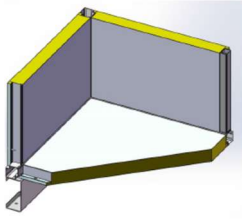


Unit Constructions

A- Panel Casing and Framework

Panel Construction

Aluminum Profile - Anodized – Fiberglass insulated sandwich panels, P1:25mm thermal insulation for indoor application, while P2: 50mm for outdoor application



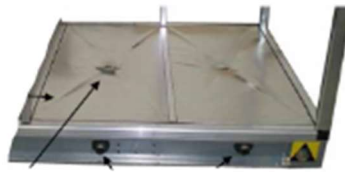
Profile Corners

Re-in forced Plastic / Nylon corners for



Drain Pans

Stainless Steel Drain pan with bottom pan drain hole sloped to side connection.



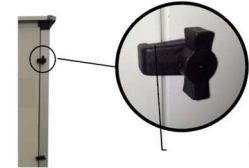
Base Frame

Epoxy Coated Heavy Duty black steel.



Door Lock

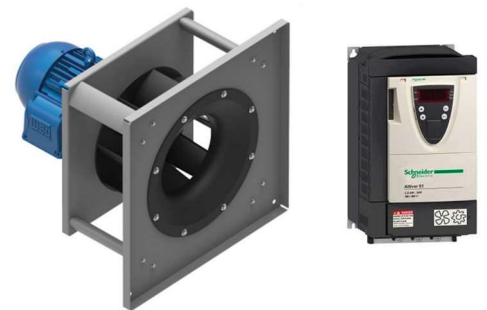
Door Lock in Nylon



B- Direct Derive Fans

Plug Fans – PLG- Hi pressure Highly Efficient modular arrangement.

Supply air fans, High Efficiency non overloading high pressure backward Curved Centrifugal Plug Fan, Footed mounting, or Wall hanging, direct derive type, statically and dynamically balanced, Aluminum impeller complete with epoxy coated pedestal frame mounting in vibration isolators. VFD, Variable frequency derive inverter to adjust the air flow against the actual fan static pressure, 0 to 10 v modulating speed control for part load power saving. VFD inverter shall house in IP45 electrical enclosure while IP65 for outdoor applications.



Optional EC – motors also is available up on request: The plug fan with EC motor (Electronically Commutated) allow a continuous velocity control from 0 to100%. EC motors have a very high efficiency. The electronics for the control is integrated in the motor housing and allows a direct interface with 0-10V or 4-20 mA signal or by means of the integrated Modbus connection, or through manual potentiometer speed controller. Single or three-phase feed according to the motor power and the fan size.



C- Belt Derive Fans

DIDW Fans – BC - Hi / Medium Static pressure

Supply air fans, High Efficiency non overloading DWID - backward Curved Centrifugal Plug Fan, Footed mounting, belt derive type, statically and dynamically balanced, Aluminum impeller complete with epoxy coated pedestal frame mounting in vibration isolators.

Optional forward curved belt derive type for low static pressure applications are available up on request.



D- Motors

IEC Motors

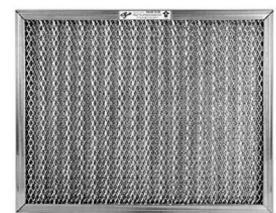
premium efficiency - Aluminum Casing - anti corrosive coating squirrel cage induction motor, three phase standard IEC motor, insulation class - F, Efficiency class IE3, Ingress protection IP 54, continuous operation class S1



E- Filters

Air Intake Filter

Aluminum filters for large dust particles with aluminum frame and filter media in multi-layered flat aluminum wire, Washable. Class: G2, mounting on slide rails or in frames, drawn to sides though access panel. Optional Synthetic filter G4 grade.



F- Cooling Coil

Water and or Dx- Coils

Copper tubes Aluminum fins air to water or refrigerant heat exchanger coil, either water or DX-evaporator.

The collectors of the coils are equipped with nipples for vent and drain.

The water and direct expansion coils have holes at the lower cover for the drainage of the condensate in the drain pan.

The coils, in standard execution, are subjected to a pneumatic test at a pressure of 30 Bar, by injection of dry air and water immersion.



E- Optional Accessories

Antivibration canvas

The connection of the ductworks to the ahu can be done directly by screwing the duct flange to the ahu's panel or frame. It is highly recommended, anyway, to install an antivibration canvas in the middle. This can be supplied as accessory. Antivibration canvas is consisting of a bellows of special airtight coated fabric, Durable and tightly connected to two stables, round edged galvanized flange-bars with holes in corner-fittings, suitable to fit all standard duct supporting frames.

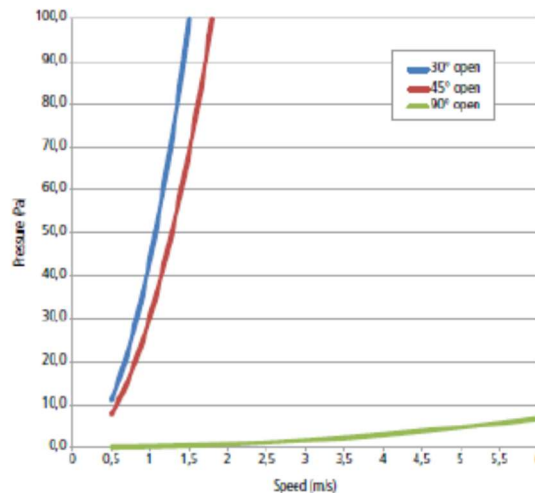


Volume Dampers

Standard dampers are in aluminum with nylon gear wheels.

On request we can supply levers in lieu of nylon wheels.

The dampers are supplied with an extended shaft for application of the damper motor and with manual lever (on request). Dampers are supplied in class 2 EN1751. Pressure drop in relation to air face velocity as Below figure



Louvers

Louvers at intake and exhaust openings. They are made of aluminum. with winglets at 50 mm pitch, with anti-leaf mesh.



Supply Air Grille

Supply grills at supply or exhaust opening, fixed blades for exhaust or return. Air while two opposite adjustable blades for supply air.



Medium Efficiency filters

Synthetic: filters for large dust particles with galvanized steel frame, double mesh electioneered supports, pleated synthetic fiber media. Washable type, Thickness: 48 mm, Class: G4, Mounting: on slide rails, Withdrawal: bottom on rails



High Efficiency Filters

Pocket type Bag Filter

Pocket type Synthetic media bag filter, M5 to F7 modular arrangements Complete with galvanized steel frame, final pressure drops 200 pa, in according to EN 13053, Filter front dimensions according EN 15805



Rigid Type Bag Filter

Rigid bag filters for fine dust particles with plastic frame, fiberglass paper filter media with continuous spacer rods in thermoplastic material, polyurethane resin sealant. final pressure drops 250 pa, in according to EN 13053 Classes: F7, F8, F9 Mounting: at frame with clips



Installations

CG - HC – PLG SERIES range It is characterized by a low height because.

it is designed for the ceiling installation that does not

require dedicated technical spaces, making accessible the entire surface of the rooms.

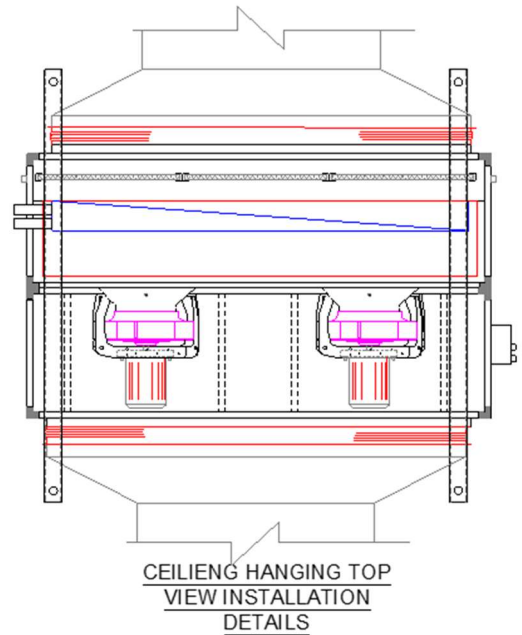
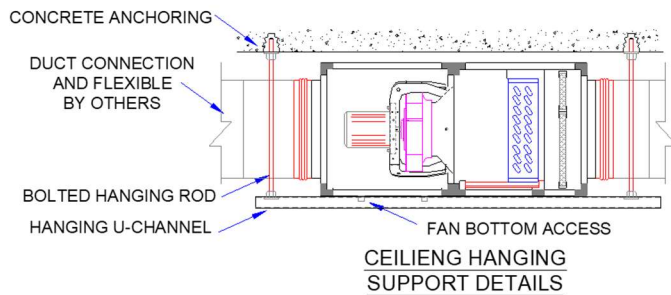
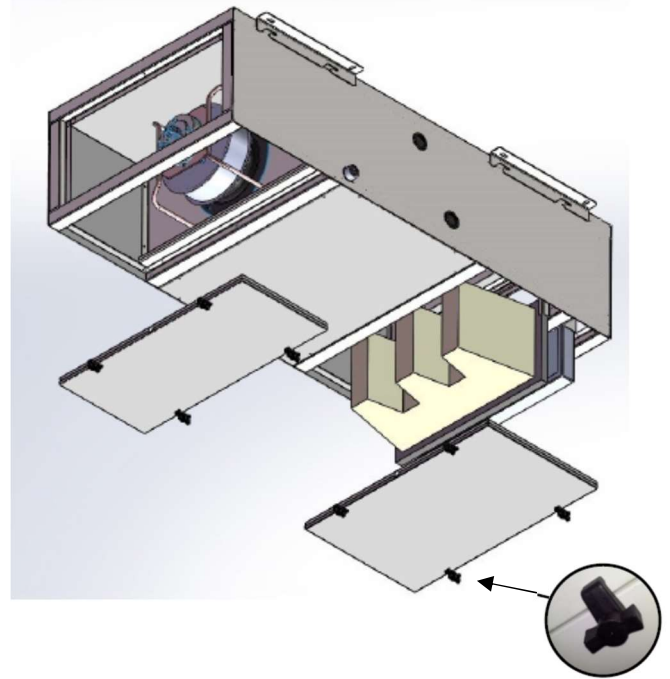
Therefore, the inspection of the components is secured from below only.

For the ordinary maintenance, the ahu is accessible through inspection doors at the bottom of the unit.

Filters access could be side or bottom according to the unit configurations and specific space requirements.

Anyway, in case of extraordinary maintenance, all components are accessible by removing the screwed.

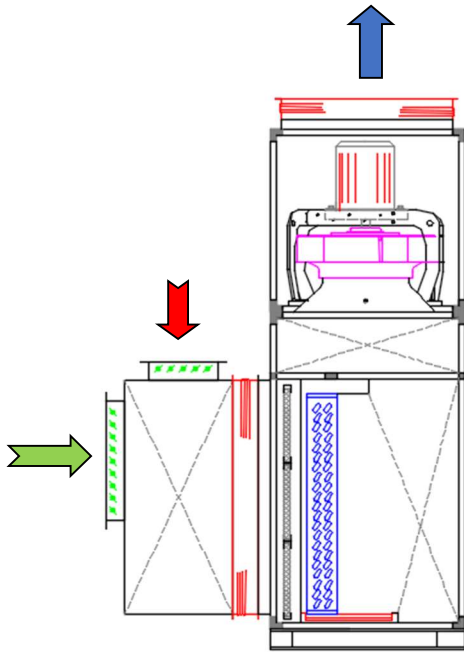
bottom panels, without the need of removing the complete unit.



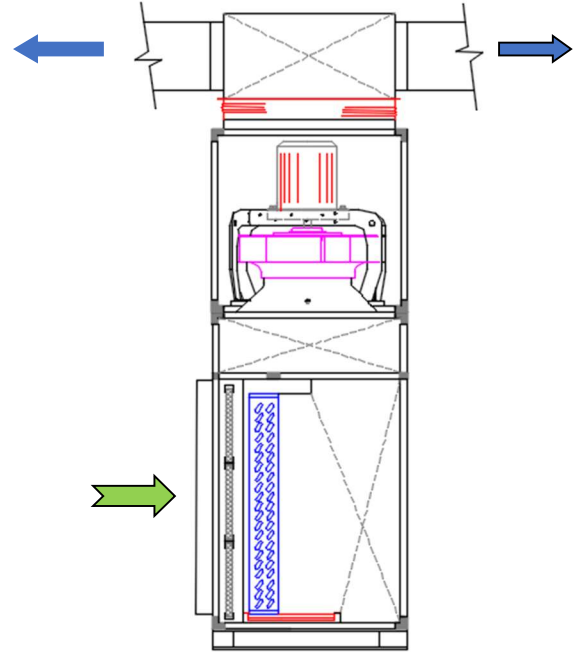
CG - VS – SERIES range shall provide with minimum 75mn base frame painted with anticorrosive epoxy coated finish.

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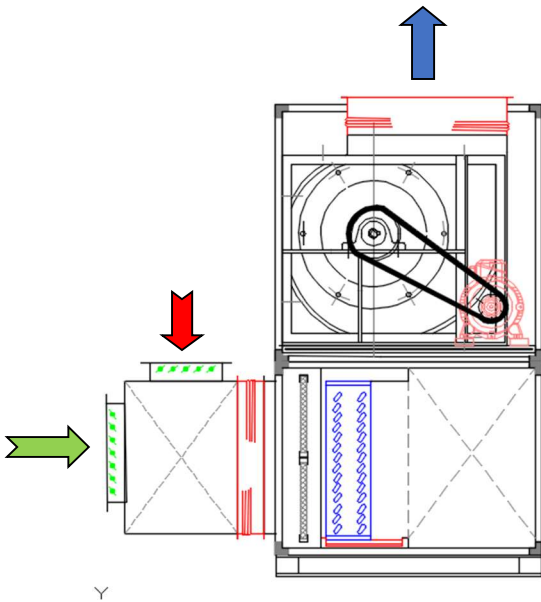
Comfort Air Conditioning Arrangement CG – HC/VS series



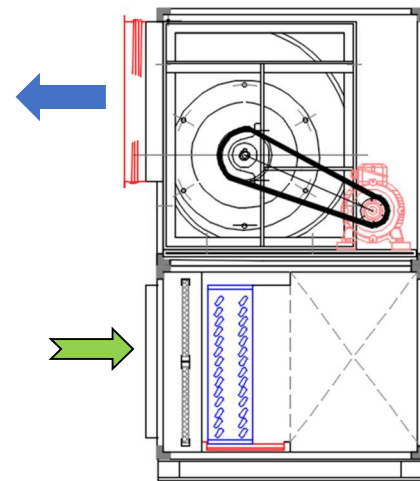
Vertical Stand PLG fans with vertical discharge and return air plenum box.



Vertical Stand PLG fans with vertical Supply Air discharge plenum box.



Vertical Stand DWDI-BC fans with vertical discharge and return air plenum box.



Vertical Stand DWDI-BC fans with Side discharge



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

Physical Properties

Physical Properties - PLG fans Arrangements

HC - Horizontal Ceiling Suspended

CG - HC - PLG - Model Series		9	12	16	20	25	30	40	50	65	80	100
Unit Construction		Aluminum anodized finish Profile - 25 / 50mm indoor / outdoor Installations										
Insulation		P1 for indoor and P2 for outdoor installations										
Nominal Air Flow	cfm	900	1,200	1,600	2,000	2,500	3,000	4,000	5,000	6,500	8,000	10,000
	M3/h	1,530	2,040	2,720	3,400	4,250	5,100	6,800	8,500	11,050	13,600	17,000
Face Velocity	fpm	500										
	m/s	2.5										
Fan												
Fan	Type	SISW - Centrifugal Backward Curved Plug Fans										
	Size	250	250	250	250	250	350	310	350	350	350	350
	Qty	1	1	1	1	1	1	2	2	2	3	3
Motor	Type	Class F - TEFC -IP55 - 4 poles - Footed										
	Size (Kw)	0.55	0.55	0.75	0.75	1.1	1.5	1.1	1.1	1.5	1.5	1.5
	Qty	1	1	1	1	1	1	2	2	2	3	3
	Derive	Direct										
Coil												
Face Area	ft2	360	480	640	800	1000	1200	1600	2000	2600	3200	4000
	m2	33.5	44.7	59.5	74.4	93.0	111.6	148.8	186.0	241.9	297.7	372.1
Tube Diameter	inch	3/8 "										
Fins Per Inch	Fins	12										
Chilled Water Connection	Rows	3	7/8"	1 1/8"			1 3/8"			1 5/8"	2 1/8"	
		4	7/8"	1 1/8"			1 3/8"			1 5/8"	2 1/8"	
6	1 1/8"			'1 3/8"			1 5/8"	2 1/8"				
Drain Size (inch)		3/4 "						1 "				
Air Filters												
Type	25 mm thickness washable aluminum filter as standard											
Dimensions and Weights												
Dimensions (mm)	L	700	1000	1300	1300	1300	1300	2000	2000	2200	2550	2550
	W	900	900	1100	1100	1100	1100	1100	1100	1100	1100	1100
	H	450	450	550	550	550	550	550	550	550	700	850
Weights Approx.	kg	255	275	325	345	365	395	485	570	660	745	825

Notes:

-Motor nominal capacity depends on standard unit configuration i.e. fans, Pref-filter, and cooling coil.

For exact external static pressure required ask for computer selection and enlarge motor capacity.

-Plug Fan arrangements is recommended to integrated with VSD inverter as it will be the most efficient selection for the smart energy saving system.

Plug fans arrangement could provide up to 70 % annual power savings in comparing with conventional belt derive forward curved centrifugal fans.

Physical Properties DWDI - Backward Curved Scroll Fans

HC - Horizontal Ceiling Suspended

CG - HC - BC Model Series		9	12	16	20	25	30	40	50	65	80	100
Unit Construction		Aluminum anodized finish Profile - 25 / 50mm indoor / outdoor Installations										
Insulation		P1 for indoor and P2 for outdoor installations										
Nominal Air Flow	cfm	900	1,200	1,600	2,000	2,500	3,000	4,000	5,000	6,500	8,000	10,000
	M3/h	1,530	2,040	2,720	3,400	4,250	5,100	6,800	8,500	11,050	13,600	17,000
Face Velocity	fpm	500										
	m/s	2.5										
Fan												
Fan	Type	DIDW - Centrifugal Scroll type Backward Curved										
	Size	250	250	250	250	250	250	250	310	350	350	350
	Qty	1	1	1	1	1	1	2	2	2	2	2
Motor	Type	Class F - TEFC -IP55 - 4 poles - Footed										
	Size (Kw)	0.55	0.55	0.75	0.75	1.1	1.5	2.2	3	4	5.5	5.5
	Qty	1	1	1	1	1	1	1	1	1	1	1
	Derive	Belt										
Coil												
Face Area	ft2	360	480	640	800	1000	1200	1600	2000	2600	3200	4000
	m2	33.5	44.7	59.5	74.4	93.0	111.6	148.8	186.0	241.9	297.7	372.1
Tube Diameter	inch	3/8 "										
Fins Per Inch	Fins	12										
Chilled Water Connection	Rows	3	7/8"	1 1/8"			1 3/8"			1 5/8"	2 1/8"	
		4	7/8"	1 1/8"		1 3/8"			1 5/8"	2 1/8"		
		6	1 1/8"		1 3/8"			1 5/8"	2 1/8"			
Drain Size (inch)		3/4 "					1 5/8"			1 "		
Air Filters												
Type		25 mm thickness washable aluminum filter as standard										
Dimensions and Weights												
Dimensions (mm)	L	1100	1100	1700	1700	1700	1700	1700	2100	2250	2250	2250
	W	1050	1050	1050	1050	1050	1050	1050	1100	1250	1250	1250
	H	600	600	600	600	600	600	600	750	850	850	850
Weights Approx.	kg	255	275	325	345	365	395	485	570	660	745	825

Notes:

-Motor nominal capacity depends on standard unit configuration i.e. fans, Pref-filter, and cooling coil.

For exact external static pressure required ask for computer selection and enlarge motor capacity.

-Belt Derive DWDI – BC scroll type Fan arrangements is much efficient solution in comparing with the conventional forward curved fans.

It could suit all the applications range for medium and high static pressure requirements.



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

Physical Properties - PLG fans Arrangements											VS - Vertical Stand	
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Unit Construction		Aluminum anodized finish Profile - 25 / 50mm indoor / outdoor Installations										
Insulation		P1 for indoor and P2 for outdoor installations										
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Face Velocity	fpm	500										
	m/s	2.5										
Fan												
Fan	Type	SISW - Centrifugal Backward Curved Plug Fans										
	Size	250	250	310	310	350	350	310	350	350	500	500
	Qty	1	1	1	1	1	1	2	2	2	2	2
Motor	Type	Class F - TEFC -IP55 - 4 poles - Footed										
	Size (Kw)	0.55	0.55	0.75	0.75	1.1	1.5	1.1	1.1	1.5	2.2	2.2
	Qty	1	1	1	1	1	1	2	2	2	2	2
	Derive	Direct										
Coil												
Face Area	ft2	360.00	480.00	640.00	800.00	1000.00	1200.00	1600.00	2000.00	2600.00	3200.00	4000.00
	m2	33.49	44.65	59.53	74.42	93.02	111.63	148.84	186.05	241.86	297.67	372.09
Tube Diameter	inch	3/8 "										
Fins Per Inch	Fins	12										
Chilled Water Connection	Rows	3	7/8"	1 1/8"			1 3/8"			1 5/8"	2 1/8"	
		4	7/8"	1 1/8"			1 3/8"			1 5/8"	2 1/8"	
		6	1 1/8"			1 3/8"			1 5/8"	2 1/8"		
Drain Size (inch)		3/4 "						1 "				
Air Filters												
Type	25 mm thickness washable aluminum filter as standard											
Dimensions and Weights												
Dimensions (mm)	L	700	700	700	700	1000	1300	1300	1650	2000	2000	2000
	W	500	500	500	500	500	600	600	600	600	750	750
	H	1050	1200	1450	1450	1450	1500	1500	1500	1500	2050	2050
Weights Approx.	kg	255	275	325	345	365	395	485	570	660	745	825

Notes:

-Motor nominal capacity depends on standard unit configuration i.e. fans, Pref-filter, and cooling coil.

For exact external static pressure required ask for computer selection and enlarge motor capacity.

-Plug Fan arrangements is recommended to integrated with VSD inverter as it will be the most efficient selection for the smart energy saving system.

Plug fans arrangement could provide up to 70 % annual power savings in comparing with conventional belt derive forward curved centrifugal fans.



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VS - Vertical Stand

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Face Velocity	fpm	500										
	m/s	2.5										
Fan												
Fan	Type	DIDW - Centrifugal Scroll type Backward Curved Belt Derive										
	Size	250	310	310	310	310	310	350	450	500	500	500
	Qty	1	1	1	1	1	1	1	1	1	1	1
Motor	Type	Class F - TEFC -IP55 - 4 poles - Footed										
	Size (Kw)	0.55	0.55	0.75	0.75	1.1	1.5	2.2	2.2	3	4	5.5
	Qty	1	1	1	1	1	1	1	1	1	1	1
	Derive	Belt										
Coil												
Face Area	ft2	360	480	640	800	1000	1200	1600	2000	2600	3200	4000
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Drain Size (inch)		3/4 "						1 "				
Air Filters												
Type		25 mm thickness washable aluminum filter as standard										
Dimensions and Weights												
Dimensions (mm)	L	1100	1100	1100	1100	1500	1500	1500	1800	2100	2100	2100
	W	650	650	650	650	800	800	800	900	1000	1000	1000
	H	1100	1100	1300	1300	1500	1500	1600	1700	1800	2050	2050
Weights Approx.	kg	255	275	325	345	365	395	485	570	660	745	825

Notes:

-Motor nominal capacity depends on standard unit configuration i.e. fans, Pref-filter, and cooling coil.

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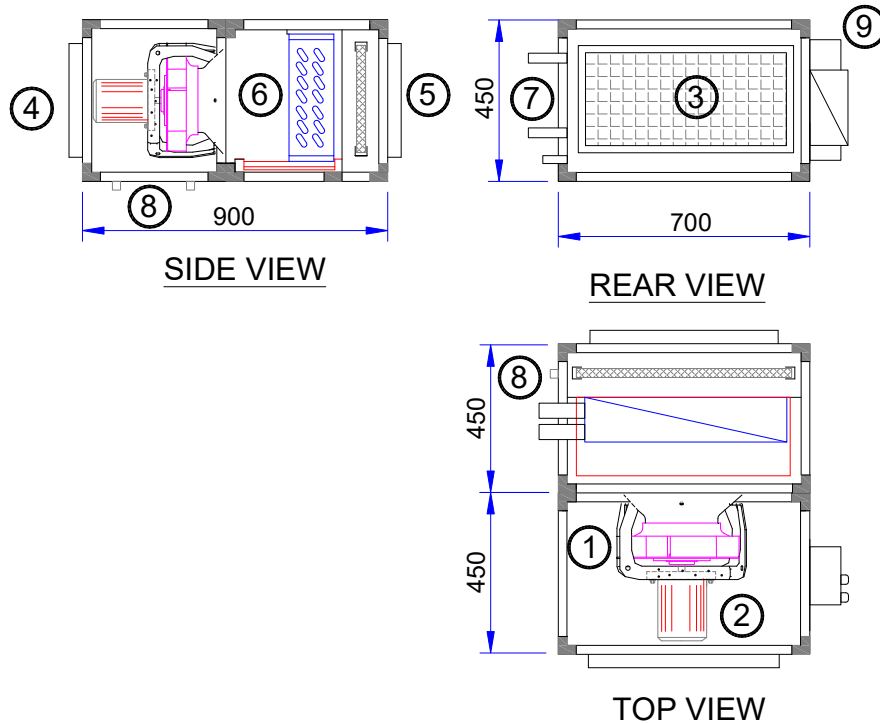
Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - PLG -		9	
Supply Air Flow (Nominal)	900	CFM	
Cooling Capacity (Nominal)	2.5	RT	

Elements	Size	Qty	
① Centrifugal PLUG Fan	250 mm Dia.	1	
② Motor	0.55 KW	1	
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	1	
④ Supply Air Neck	600mm x 350 mm	1	
⑤ Return Air Neck	600mm x 350 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	25 mm (1")	2	
Condensate Drain - Pipe	20 mm (3/4")	1	
⑧ Access Panel	650mm x 400mm	1	Bottom
	400mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	0.55 kw	1

Overall Dimensions			
Length	700	mm	
Width	900	mm	
Hieght	450	mm	



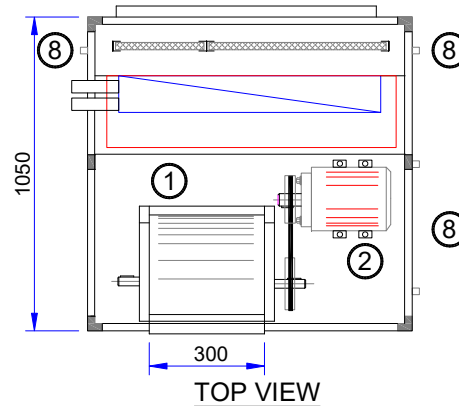
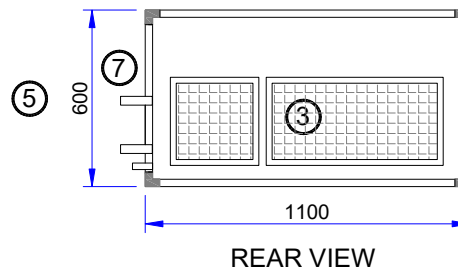
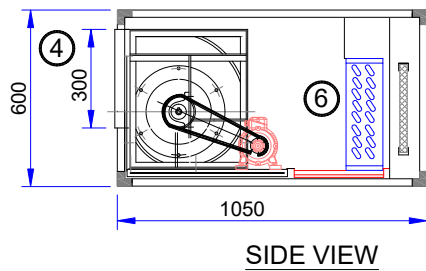
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Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -		9
Supply Air Flow (Nominal)	900	CFM
Cooling Capacity (Nominal)	2.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.55 KW	1
③ Aluminum Filter	600mm X 300mm	1
	300mm X 300mm	1
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
	Condensate Drain - Pipe	20 mm (3/4")
⑧ Access Panel	550mm x 550mm	1
	550mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	

VSD Inverter		
Overall Dimensions		
Length	1100	mm
Width	1050	mm
Hieght	600	mm

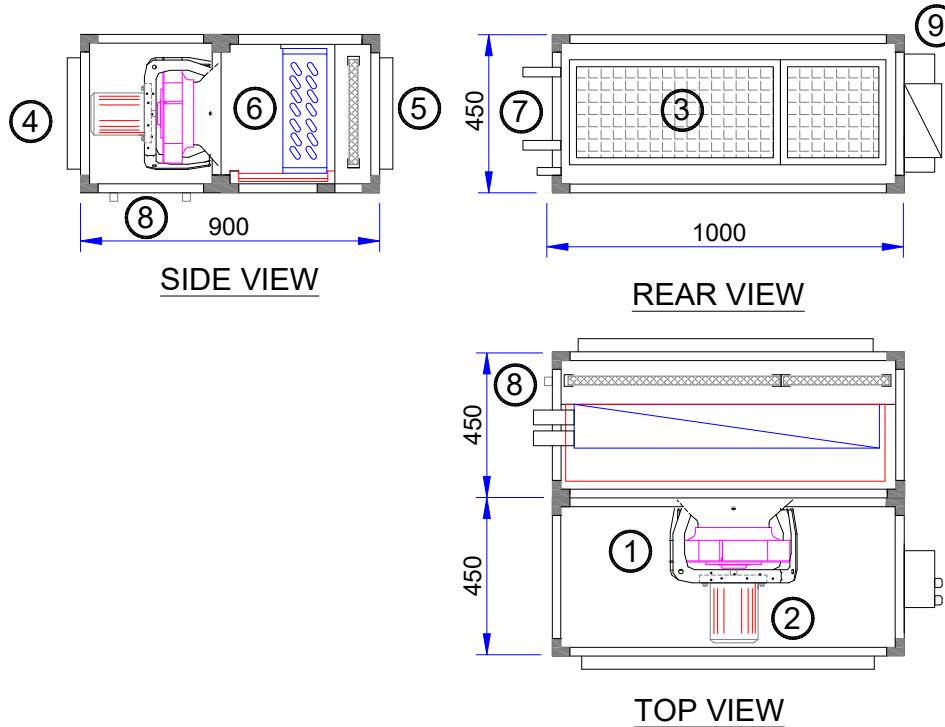


Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	12	
Supply Air Flow (Nominal)	1,200	CFM
Cooling Capacity (Nominal)	3	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	250 mm Dia.	1	
② Motor	0.55 KW	1	
③ Aluminum Filter	600mm X 300mm	1	
	300mm X 300mm	1	
④ Supply Air Neck	900mm x 350 mm	1	
⑤ Return Air Neck	900mm x 350 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	25 mm (1")	2	
Condensate Drain - Pipe	20 mm (3/4")	1	
⑧ Access Panel	650mm x 400mm	1	Bottom
	400mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
VSD Inverter	0.55 kw	1	
Overall Dimensions			
Length	1000	mm	
Width	900	mm	
Hieght	450	mm	



Slim Type Air Handling Unit

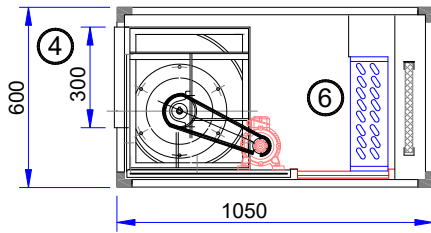
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -	12	
Supply Air Flow (Nominal)	1,200	CFM
Cooling Capacity (Nominal)	3	RT

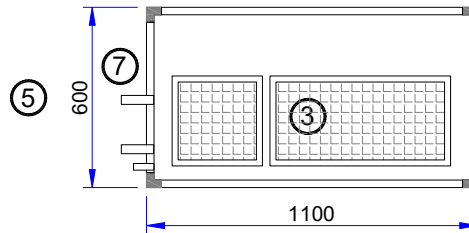
Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.55 KW	1
③ Aluminum Filter	600mm X 300mm	1
	300mm X 300mm	1
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
	Condensate Drain - Pipe	20 mm (3/4")
⑧ Access Panel	550mm x 550mm	1
	550mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

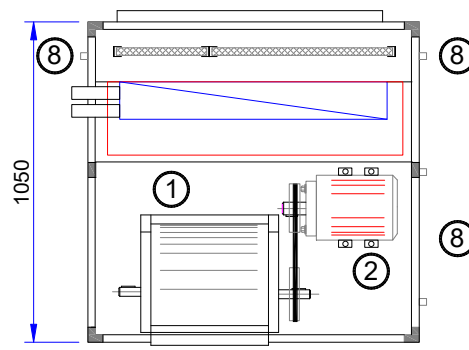
Length	1100	mm
Width	1050	mm
Hieght	600	mm



SIDE VIEW



REAR VIEW



TOP VIEW

Slim Type Air Handling Unit

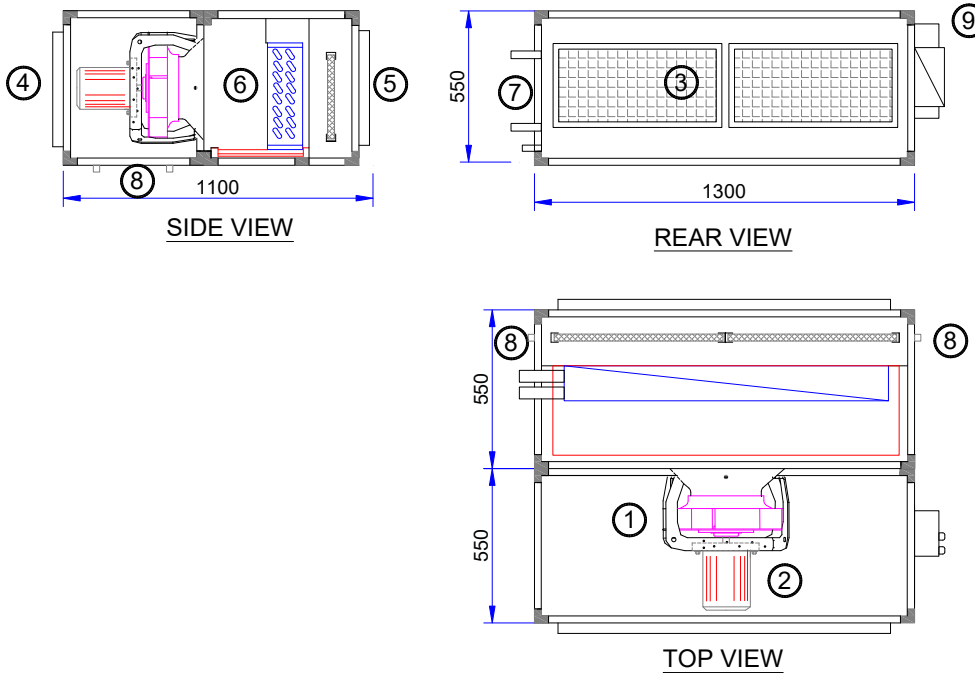
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - PLG -	16	
Supply Air Flow (Nominal)	1,600	CFM
Cooling Capacity (Nominal)	4	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	310 mm Dia.	1	
② Motor	0.75 KW	1	
③ Aluminum Filter	600mm X 300mm	2	
	300mm X 300mm		
④ Supply Air Neck	1200mm x 450 mm	1	
⑤ Return Air Neck	1200mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	32 mm (1 1/4")	2	
	Condensate Drain - Pipe		25 mm (3/4")
⑧ Access Panel	500mm x 500mm	1	Bottom
	500mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	0.75 kw	1

Overall Dimensions

Length	1300	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

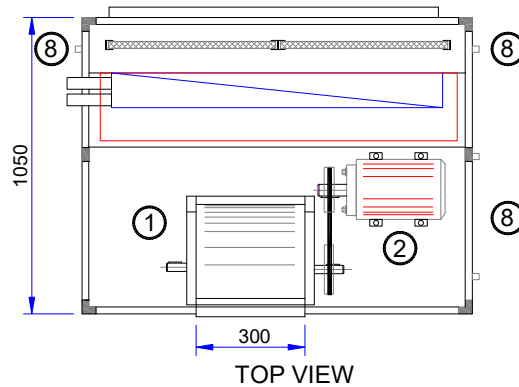
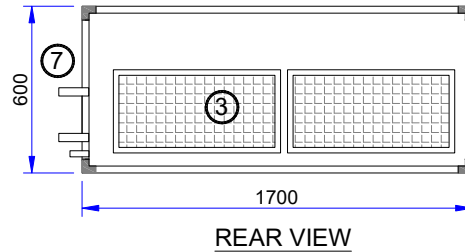
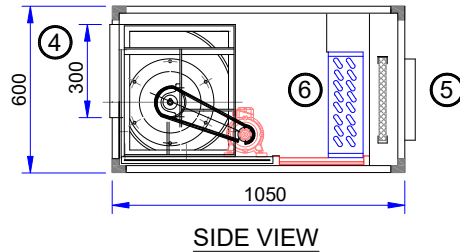
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -	16	
Supply Air Flow (Nominal)	1,600	CFM
Cooling Capacity (Nominal)	4	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.75 KW	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	2
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	1200mm x 450 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm 500mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	0
VSD Inverter		0

Overall Dimensions

Length	1700	mm
Width	1050	mm
Hieght	600	mm



Slim Type Air Handling Unit

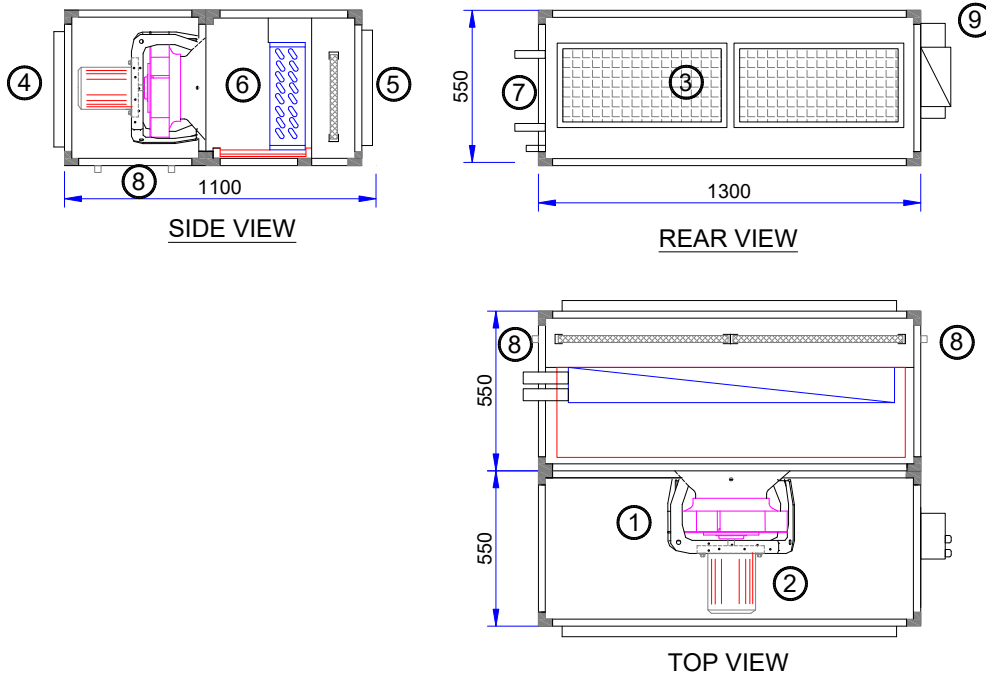
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	20	
Supply Air Flow (Nominal)	2,000	CFM
Cooling Capacity (Nominal)	5	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	310 mm Dia.	1	
② Motor	0.75 KW	1	
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	2	
④ Supply Air Neck	1200mm x 450 mm	1	
⑤ Return Air Neck	1200mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	32 mm (1 1/4")	2	
Condensate Drain - Pipe	25 mm (3/4")	1	
⑧ Access Panel	500mm x 500mm	1	Bottom
	500mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
VSD Inverter	0.75 kw	1	

Overall Dimensions

Length	1300	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

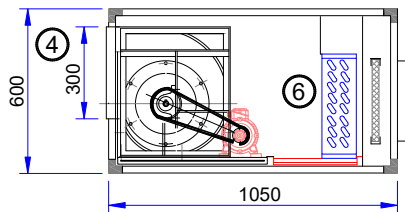
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -	20	
Supply Air Flow (Nominal)	2,000	CFM
Cooling Capacity (Nominal)	5	RT

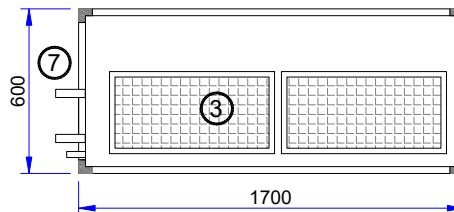
Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.75 KW	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	2
④ Supply Air Neck	1200mm x 450 mm	1
⑤ Return Air Neck	1200mm x 450 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm 500mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

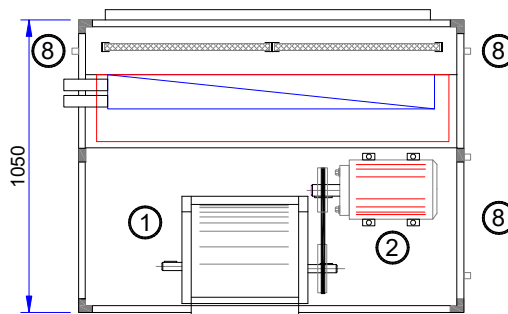
Length	1700	mm
Width	1050	mm
Hieght	600	mm



SIDE VIEW



REAR VIEW



TOP VIEW

Slim Type Air Handling Unit

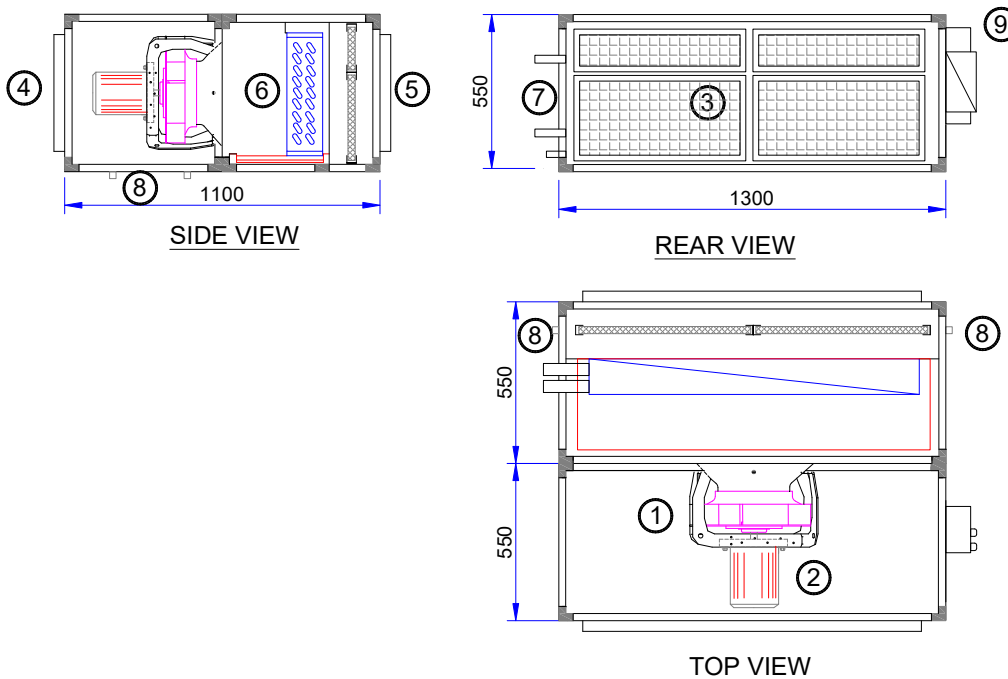
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	25	
Supply Air Flow (Nominal)	2,500	CFM
Cooling Capacity (Nominal)	6.5	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	1	
② Motor	1.1 KW	1	
③ Aluminum Filter	600mm X 300mm	2	
	600mm X 150mm	2	
④ Supply Air Neck	1200mm x 450 mm	1	
⑤ Return Air Neck	1200mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	32 mm (1 1/4")	2	
Condensate Drain - Pipe	25 mm (3/4")	1	
⑧ Access Panel	500mm x 500mm	1	Bottom
	500mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	1.1 kw	1

Overall Dimensions

Length	1300	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

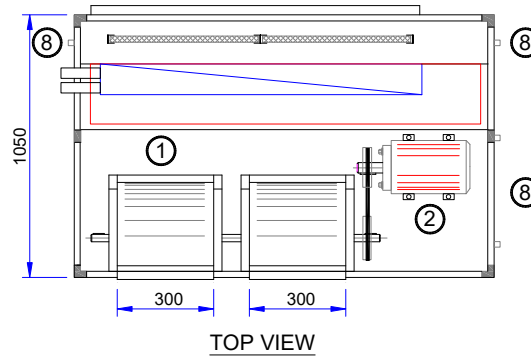
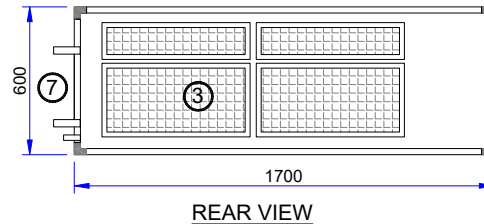
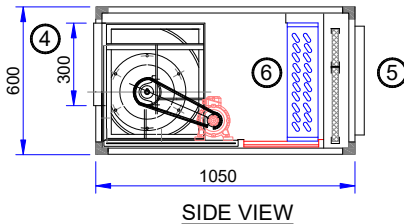
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -	25	
Supply Air Flow (Nominal)	2,500	CFM
Cooling Capacity (Nominal)	6.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	2
② Motor	1.1 KW	1
③ Aluminum Filter	600mm X 300mm	2
	600mm X 150mm	2
④ Supply Air Neck	300mm x 300 mm	2
⑤ Return Air Neck	1200mm x 500 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	500mm x 500mm	1
	500mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	1700	mm
Width	1050	mm
Hieght	600	mm



Slim Type Air Handling Unit

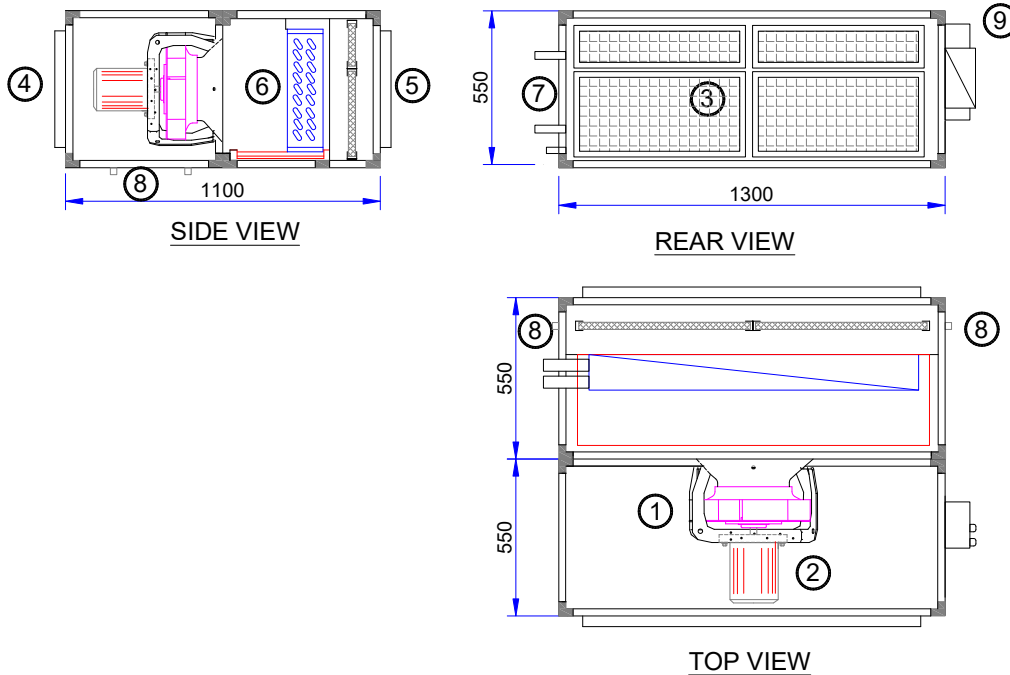
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	30	
Supply Air Flow (Nominal)	3,000	CFM
Cooling Capacity (Nominal)	7.5	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	1	
② Motor	1.5 KW	1	
③ Aluminum Filter	600mm X 300mm	2	
	600mm X 150mm	2	
④ Supply Air Neck	1200mm x 450 mm	1	
⑤ Return Air Neck	1200mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	32 mm (1 1/4")	2	
⑧ Access Panel	500mm x 500mm	1	Bottom
	500mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	1.5 kw	1

Overall Dimensions

Length	1300	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

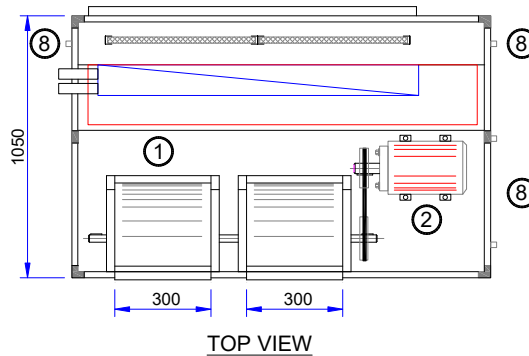
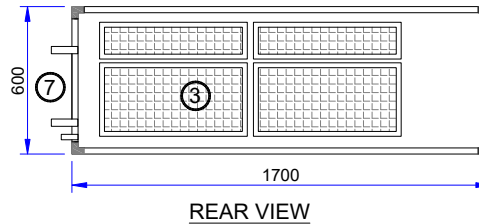
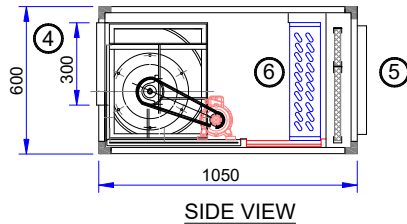
CG - HC - P1 - BC -	30	
Supply Air Flow (Nominal)	3,000	CFM
Cooling Capacity (Nominal)	7.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	2
② Motor	1.5 KW	1
③ Aluminum Filter	600mm X 300mm	2
	600mm X 150mm	2
④ Supply Air Neck	300mm x 300 mm	2
⑤ Return Air Neck	1200mm x 500 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
⑧ Condensate Drain - Pipe	25 mm (3/4")	1
	500mm x 500mm	1
⑨ Access Panel	500mm x 500mm	1
	500mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	

VSD Inverter

Overall Dimensions

Length	1700	mm
Width	1050	mm
Hieght	600	mm



Slim Type Air Handling Unit

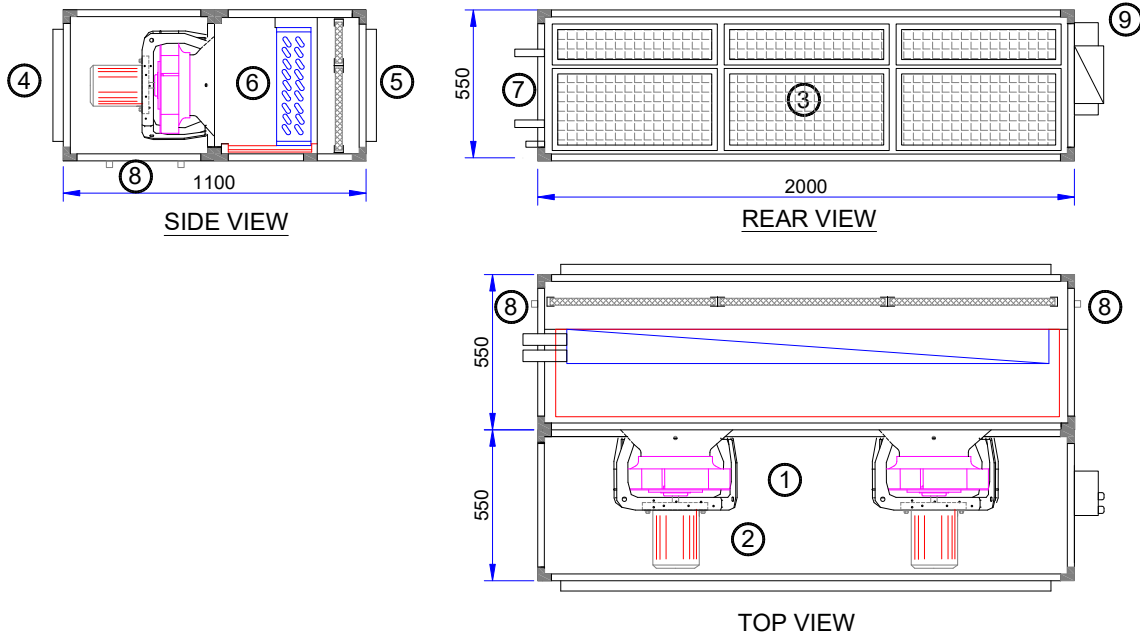
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	40	
Supply Air Flow (Nominal)	4,000	CFM
Cooling Capacity (Nominal)	10	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	310 mm Dia.	2	
② Motor	1.1 KW	2	
③ Aluminum Filter	600mm X 300mm	2	
	600mm X 150mm	2	
④ Supply Air Neck	1200mm x 450 mm	1	
⑤ Return Air Neck	1200mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
⑧ Access Panel	Condensate Drain - Pipe	25 mm (3/4")	1
	500mm x 500mm	1	Bottom
⑨ Electrical Termination	500mm x 150mm	1	SIDE
	Enclosure Box	1	
VSD Inverter	2.2 kw	1	

Overall Dimensions

Length	1300	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

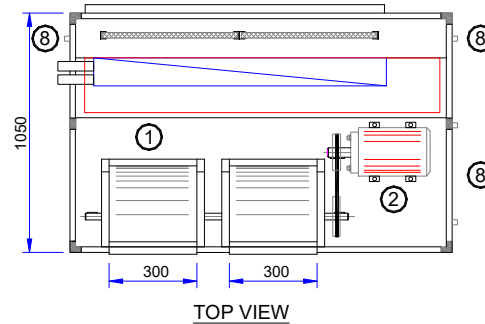
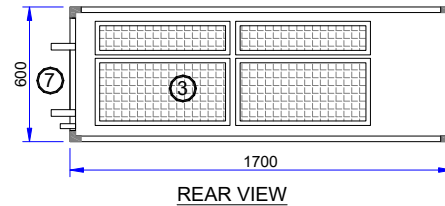
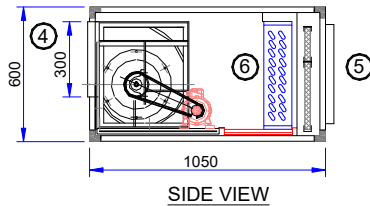
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - BC -	40	
Supply Air Flow (Nominal)	4,000	CFM
Cooling Capacity (Nominal)	10	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	2
② Motor	2.2 KW	1
③ Aluminum Filter	600mm X 300mm	2
	600mm X 150mm	2
④ Supply Air Neck	1200mm x 450 mm	1
⑤ Return Air Neck	1200mm x 450 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	500mm x 500mm	1
	500mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1

Overall Dimensions

Length	1700	mm
Width	1050	mm
Hieght	600	mm



Slim Type Air Handling Unit

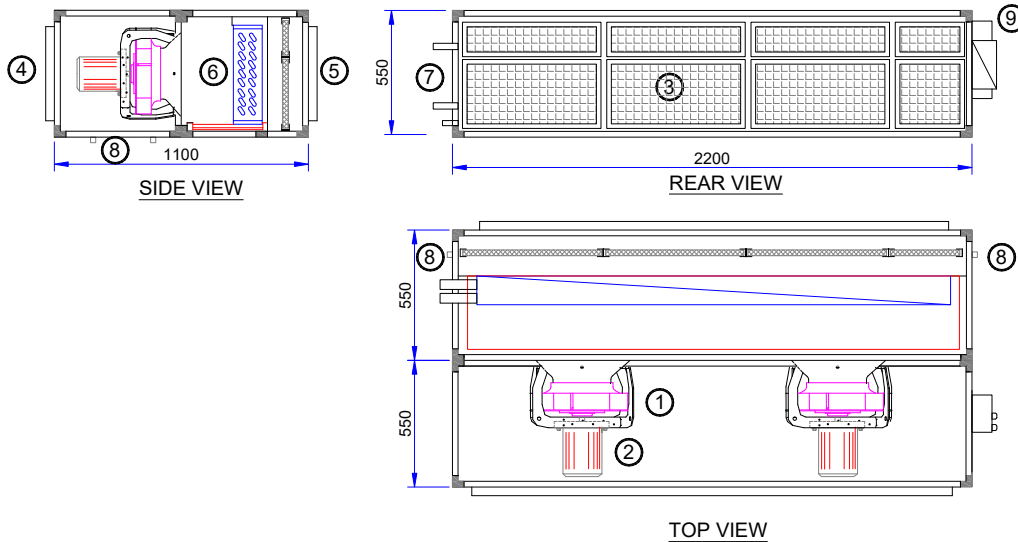
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	50	
Supply Air Flow (Nominal)	5,000	CFM
Cooling Capacity (Nominal)	12.5	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	2	
② Motor	1.1 KW	2	
③ Aluminum Filter	600mm X 300mm	3	
	300mm X 300mm	1	
	600mm X 150mm	3	
④ Supply Air Neck	1500mm x 450 mm	1	
⑤ Return Air Neck	1500mm x 450 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
	Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm	2	Bottom
	500mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
VSD Inverter	2.2 kw	1	

Overall Dimensions

Length	2200	mm
Width	1100	mm
Hieght	550	mm



Slim Type Air Handling Unit

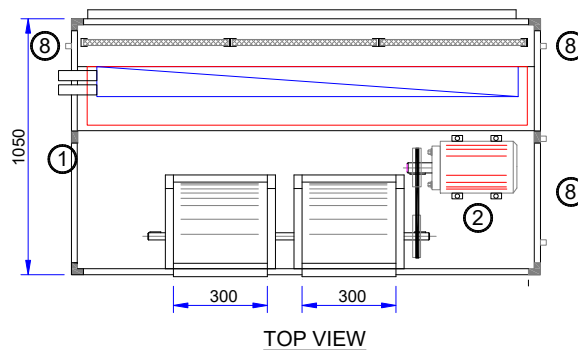
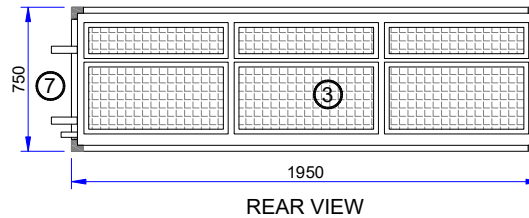
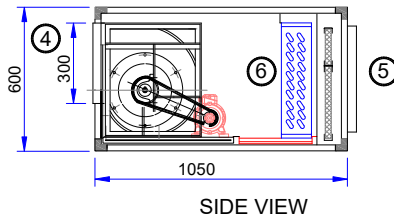
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - BC -	50	
Supply Air Flow (Nominal)	5,000	CFM
Cooling Capacity (Nominal)	12.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	2
② Motor	2.2 KW	1
③ Aluminum Filter	600mm X 300mm	3
	600mm X 150mm	3
④ Supply Air Neck	1200mm x 450 mm	1
⑤ Return Air Neck	1200mm x 450 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	500mm x 500mm	1
	500mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1

Overall Dimensions

Length	1950	mm
Width	1050	mm
Hieght	600	mm



Slim Type Air Handling Unit

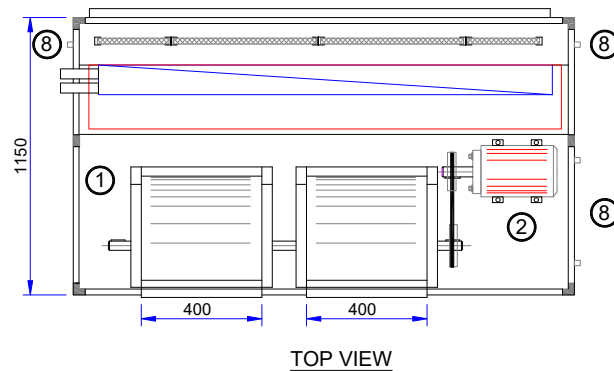
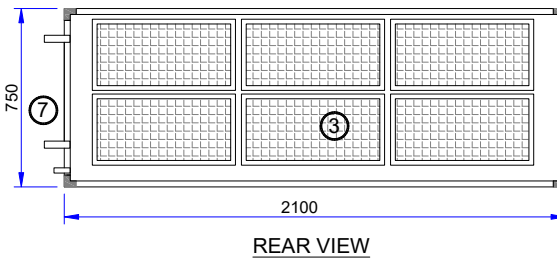
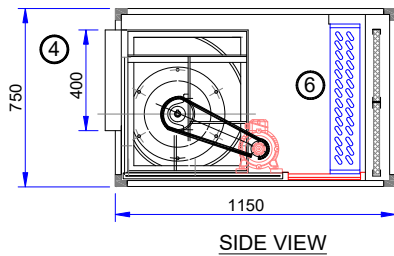
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - BC -		50
Supply Air Flow (Nominal)	5,000	CFM
Cooling Capacity (Nominal)	12.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	310 mm Dia.	2
② Motor	3.0 KW	1
③ Aluminum Filter	600mm X 300mm	6
	600mm X 150mm	
④ Supply Air Neck	400mm x 400 mm	2
⑤ Return Air Neck	1800mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	600mm x 600mm	1
	600mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
	VSD Inverter	

Overall Dimensions

Length	2100	mm
Width	1150	mm
Hieght	750	mm



Slim Type Air Handling Unit

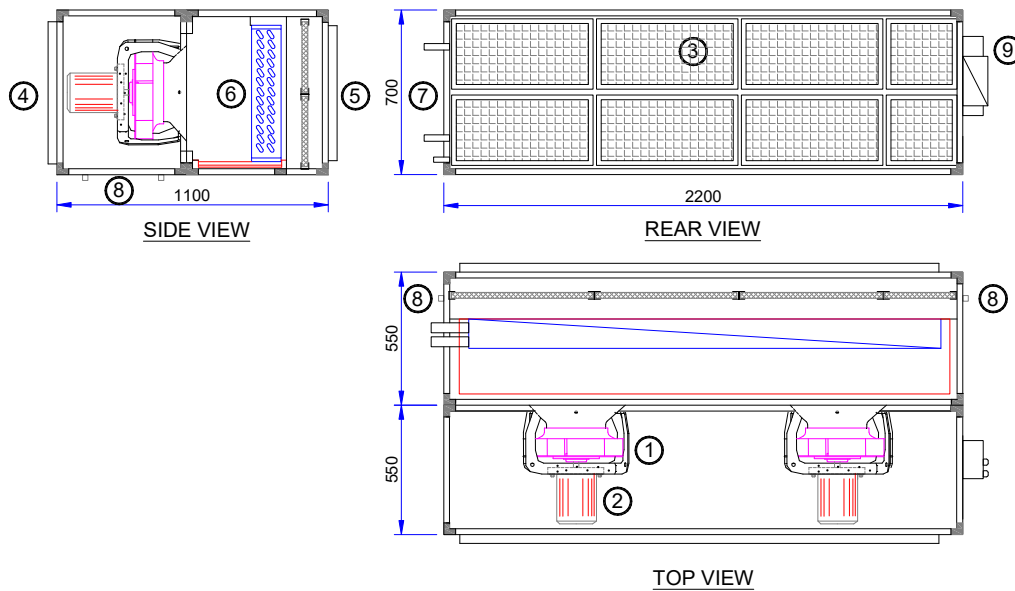
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	65	
Supply Air Flow (Nominal)	6,500	CFM
Cooling Capacity (Nominal)	16.5	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	2	
② Motor	1.5 KW	2	
③ Aluminum Filter	600mm X 300mm	6	
	300mm X 300mm	2	
④ Supply Air Neck	2100mm x 600 mm	1	
⑤ Return Air Neck	2100mm x 600 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
	Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm	2	Bottom
	650mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	3.0 kw	1

Overall Dimensions

Length	2200	mm
Width	1100	mm
Hieght	700	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

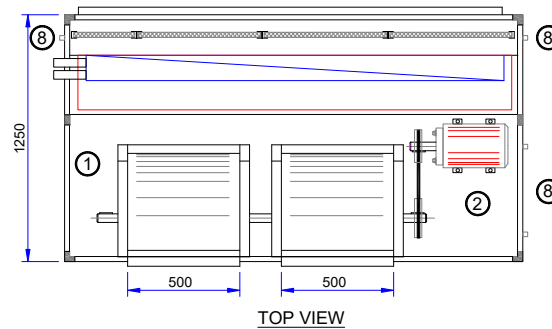
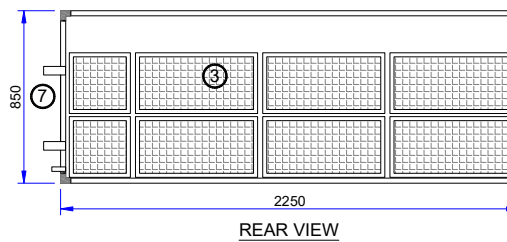
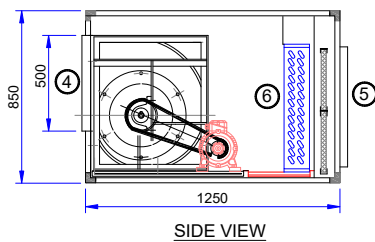
CG - HC - P1 - BC -	65	
Supply Air Flow (Nominal)	6,500	CFM
Cooling Capacity (Nominal)	16.5	RT

Elements	Size	Qty	
① Centrifugal DWDI - BC Fan	350 mm Dia.	2	
② Motor	4.0 KW	1	
③ Aluminum Filter	600mm X 300mm	6	
	300mm X 300mm	2	
④ Supply Air Neck	500mm x 500 mm	2	
⑤ Return Air Neck	2100mm x 600 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
⑧ Access Panel	750mm x 750mm	1	Bottom
	750mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box		

VSD Inverter

Overall Dimensions

Length	2250	mm
Width	1250	mm
Hieght	850	mm



Slim Type Air Handling Unit

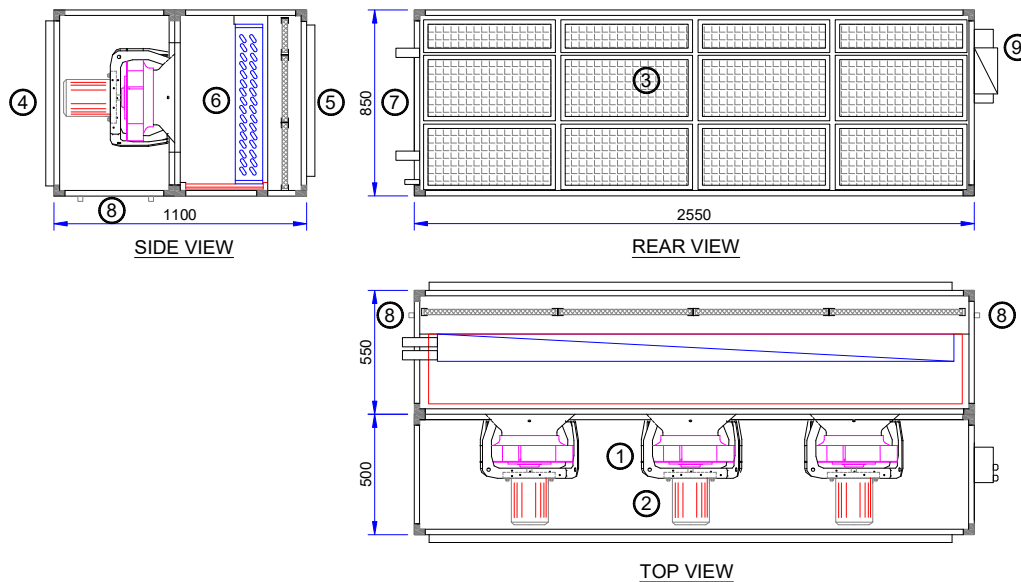
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - PLG -	80	
Supply Air Flow (Nominal)	8,000	CFM
Cooling Capacity (Nominal)	20	RT

Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	3	
② Motor	1.5 KW	3	
③ Aluminum Filter	600mm X 300mm	8	
	600mm X 150mm	4	
④ Supply Air Neck	2400mm x 750 mm	1	
⑤ Return Air Neck	2400mm x 750 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
	Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm	3	Bottom
	750mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	5.5 kw	1

Overall Dimensions

Length	2550	mm
Width	1050	mm
Hieght	850	mm



Slim Type Air Handling Unit

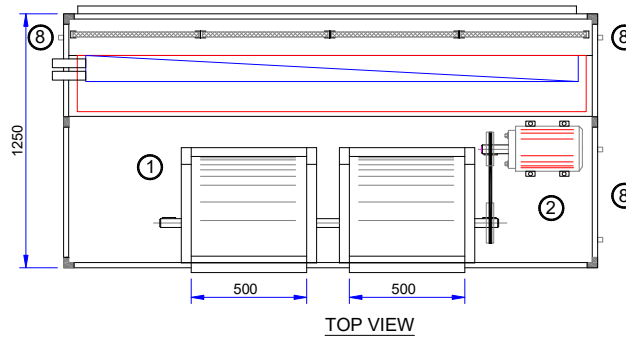
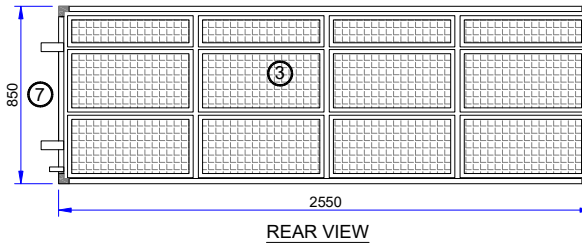
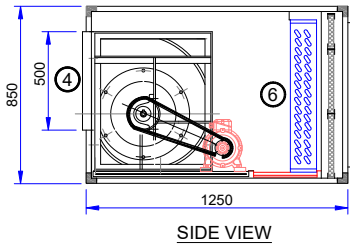
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - BC -	80	
Supply Air Flow (Nominal)	8,000	CFM
Cooling Capacity (Nominal)	20	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	350 mm Dia.	2
② Motor	5.5 KW	1
③ Aluminum Filter	600mm X 300mm	8
	600mm X 150mm	4
④ Supply Air Neck	500mm x 500 mm	2
⑤ Return Air Neck	2100mm x 750 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	750mm x 750mm	1
	750mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

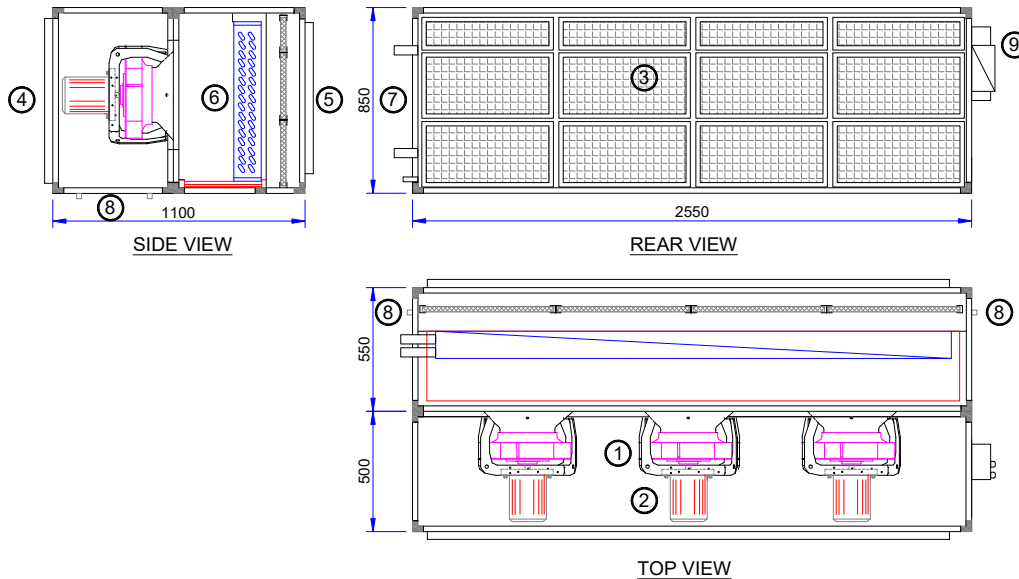
Length	2250	mm
Width	1250	mm
Hieght	850	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - HC - P1 - PLG -		100	
Supply Air Flow (Nominal)	10,000	CFM	
Cooling Capacity (Nominal)	25	RT	
Elements	Size	Qty	
① Centrifugal PLUG Fan	350 mm Dia.	3	
② Motor	1.5 KW	3	
③ Aluminum Filter	600mm X 300mm	8	
	600mm X 150mm	4	
④ Supply Air Neck	2400mm x 750 mm	1	
⑤ Return Air Neck	2400mm x 750 mm	1	
⑥ Cooling Coil	Chilled Water	1	
⑦ CHW - Pipe	40 mm (1 1/2")	2	
	Condensate Drain - Pipe	25 mm (3/4")	1
⑧ Access Panel	500mm x 500mm	3	Bottom
	750mm x 150mm	1	SIDE
⑨ Electrical Termination	Enclosure Box	1	
	VSD Inverter	5.5 kw	1
Overall Dimensions			
Length	2550	mm	
Width	1050	mm	
Hieght	850	mm	

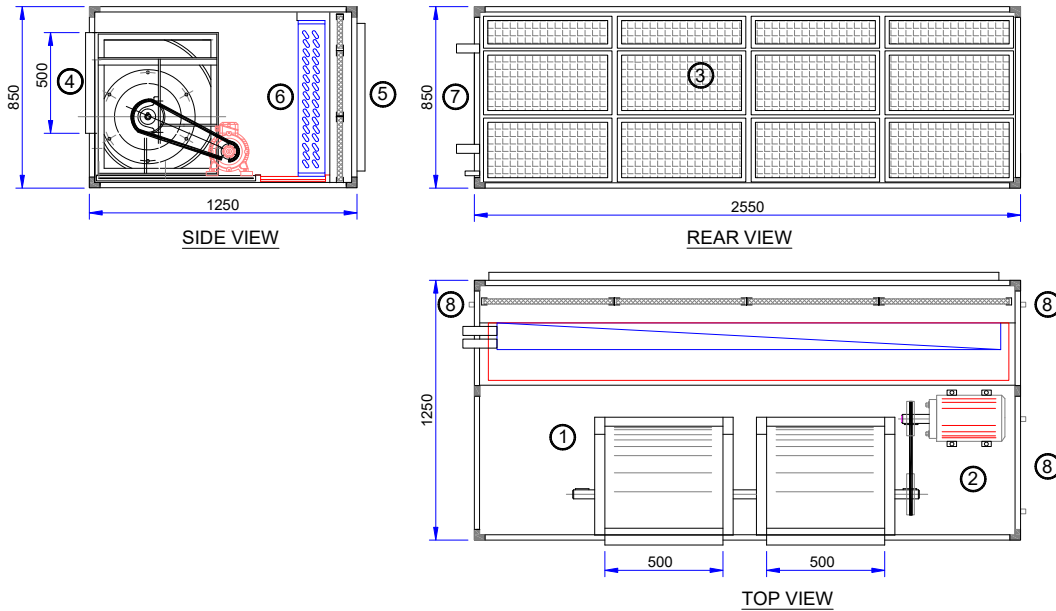


Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - HC - P1 - BC -		100
Supply Air Flow (Nominal)	10,000	CFM
Cooling Capacity (Nominal)	25	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	350 mm Dia.	2
② Motor	5.5 KW	1
③ Aluminum Filter	600mm X 300mm	8
	600mm X 150mm	4
④ Supply Air Neck	500mm x 500 mm	2
⑤ Return Air Neck	2100mm x 750 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (3/4")
⑧ Access Panel	750mm x 750mm	1
	750mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		
Overall Dimensions		
Length	2250	mm
Width	1250	mm
Hieght	850	mm



Slim Type Air Handling Unit

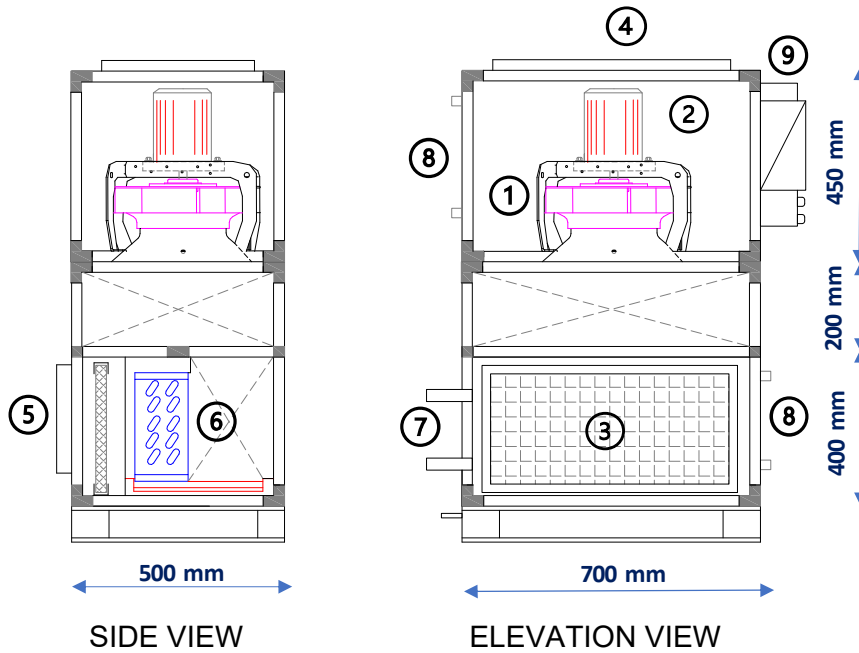
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - PLG -	9	
Supply Air Flow (Nominal)	900	CFM
Cooling Capacity (Nominal)	2.5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	250 mm Dia.	1
② Motor	0.55 Kw	1
③ Aluminum Filter	600mm X 300mm	1
	300mm X 300mm	0
④ Supply Air Neck	600mm x 400 mm	1
⑤ Return Air Neck	600mm x 400 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
Condensate Drain - Pipe	20 mm (3/4")	1
⑧ Access Panel	400mm x 400mm	1
	400mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	0.55 kw

Overall Dimensions

Length	700	mm
Width	500	mm
Hieght	1050	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

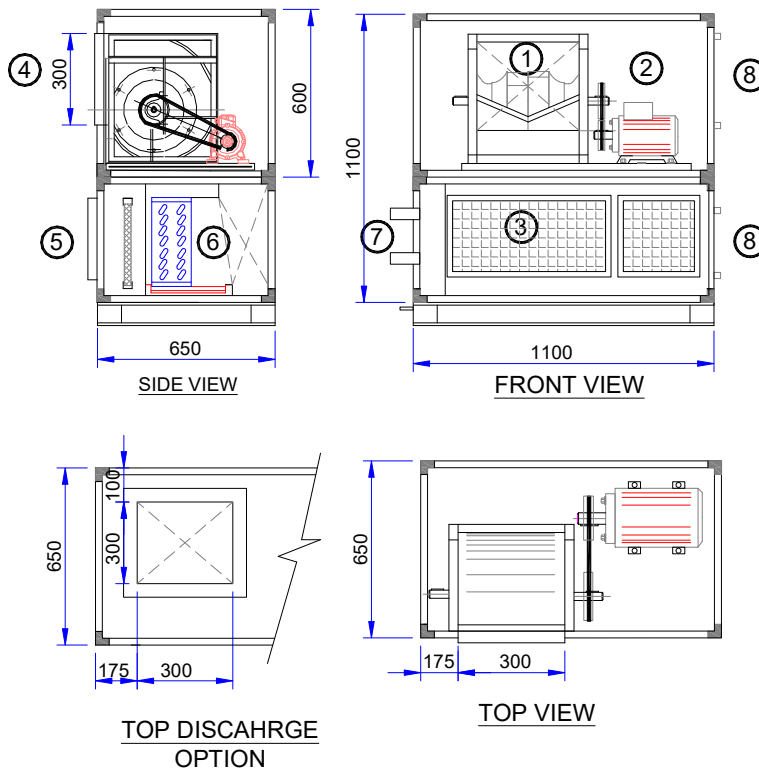
CG - VS - P1 - BC -	9	
Supply Air Flow (Nominal)	900	CFM
Cooling Capacity (Nominal)	2.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.55 Kw	1
③ Aluminum Filter	600mm X 300mm	1
	300mm X 300mm	1
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
	Condensate Drain - Pipe	20 mm (3/4")
⑧ Access Panel	450mm x 550mm	1
	450mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	

VSD Inverter

Overall Dimensions

Length	1100	mm
Width	650	mm
Hieght	1100	mm



Slim Type Air Handling Unit

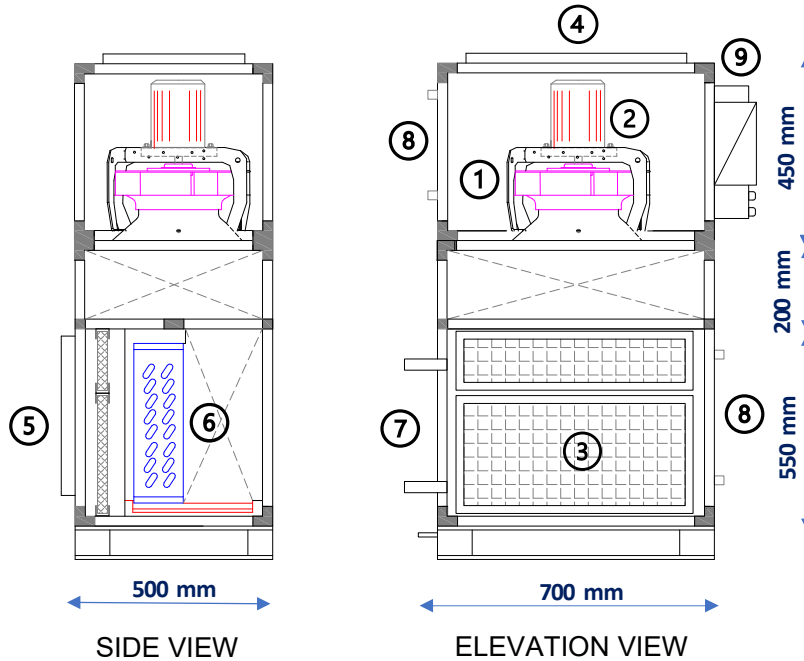
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -	12	
Supply Air Flow (Nominal)	1,200	CFM
Cooling Capacity (Nominal)	3	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	250 mm Dia.	1
② Motor	0.55 Kw	1
③ Aluminum Filter	600mm X 300mm	1
	600mm X 150mm	1
④ Supply Air Neck	600mm x 400 mm	1
⑤ Return Air Neck	600mm x 500 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
	Condensate Drain - Pipe	20 mm (3/4")
⑧ Access Panel	450mm x 450mm	1
	500mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	0.55 kw

Overall Dimensions

Length	1000	mm
Width	500	mm
Hieght	1200	mm



Slim Type Air Handling Unit

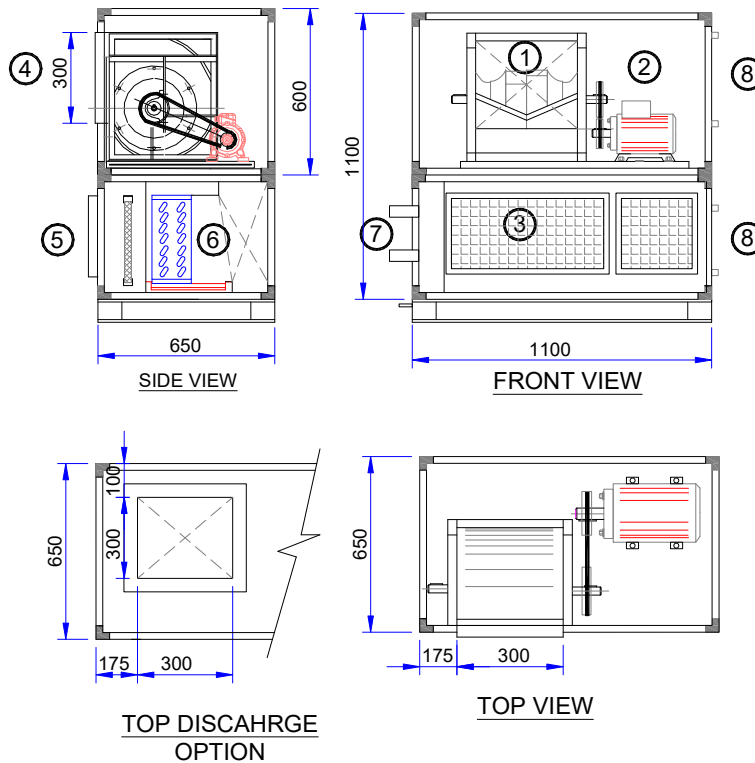
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	12	
Supply Air Flow (Nominal)	1,200	CFM
Cooling Capacity (Nominal)	3	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	250 mm Dia.	1
② Motor	0.55 Kw	1
③ Aluminum Filter	600mm X 300mm	1
	300mm X 300mm	1
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	25 mm (1")	2
	Condensate Drain - Pipe	20 mm (3/4")
⑧ Access Panel	450mm x 550mm	1
	450mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	1100	mm
Width	650	mm
Hieght	1100	mm

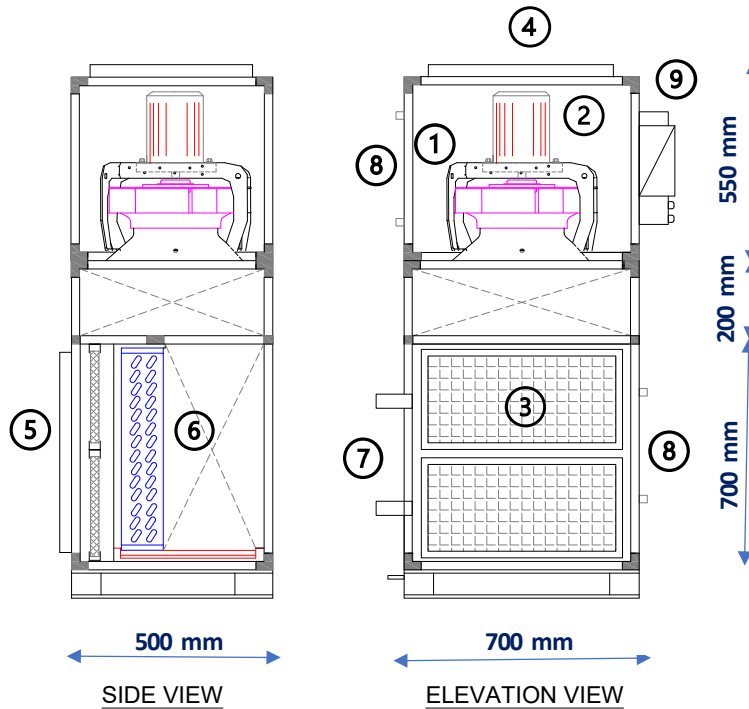


Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -		16
Supply Air Flow (Nominal)	1,600	CFM
Cooling Capacity (Nominal)	4	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	310 mm Dia.	1
② Motor	0.75 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	2
④ Supply Air Neck	600mm x 400 mm	1
⑤ Return Air Neck	600mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	450mm x 450mm 600mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	1
VSD Inverter	0.75 kw	1
Overall Dimensions		
Length	700	mm
Width	500	mm
Hieght	1450	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

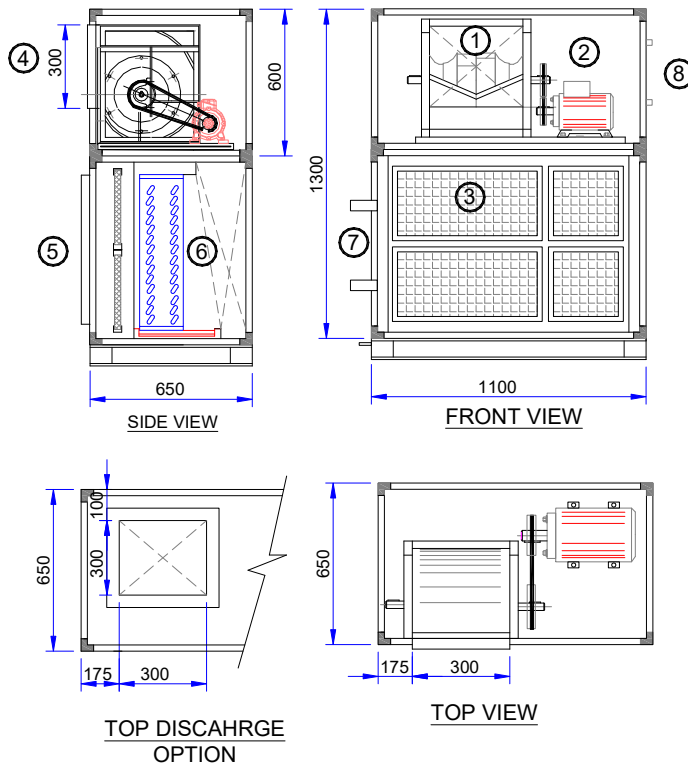
CG - VS - P1 - BC -	16	
Supply Air Flow (Nominal)	1,600	CFM
Cooling Capacity (Nominal)	4	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	310 mm Dia.	1
② Motor	0.75 Kw	1
③ Aluminum Filter	600mm X 300mm	2
	300mm X 300mm	2
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
	Condensate Drain - Pipe	25 mm (1")
⑧ Access Panel	550mm x 550mm	1
	650mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	

VSD Inverter

Overall Dimensions

Length	1100	mm
Width	650	mm
Hieght	1300	mm

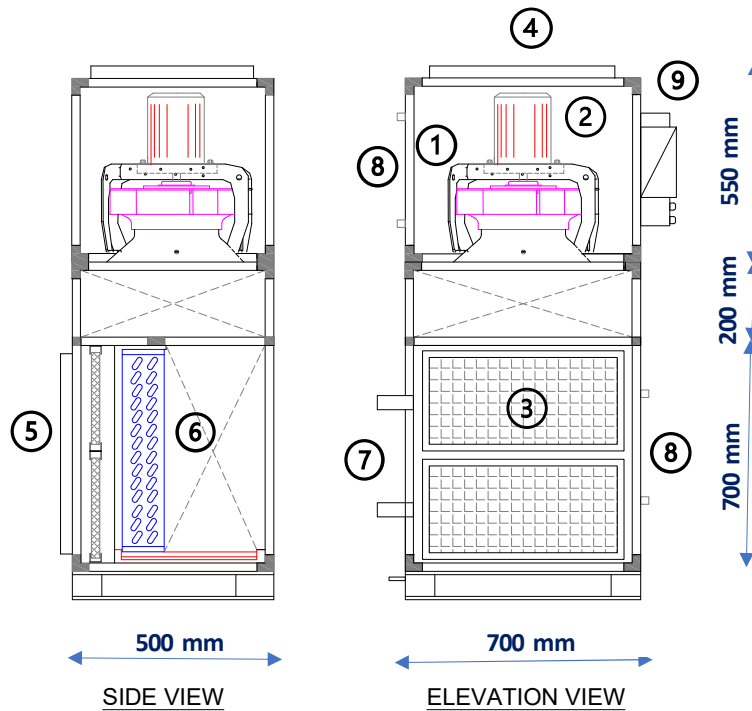


Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -	20	
Supply Air Flow (Nominal)	2,000	CFM
Cooling Capacity (Nominal)	5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	310 mm Dia.	1
② Motor	0.75 Kw	1
③ Aluminum Filter	600mm X 300mm	2
	300mm X 300mm	
④ Supply Air Neck	600mm x 400 mm	1
⑤ Return Air Neck	600mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
	Condensate Drain - Pipe	
⑧ Access Panel	450mm x 450mm	1
	600mm x 150mm	
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	
Overall Dimensions		
Length	700	mm
Width	500	mm
Hieght	1450	mm



Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement **CG – HC/VS series**

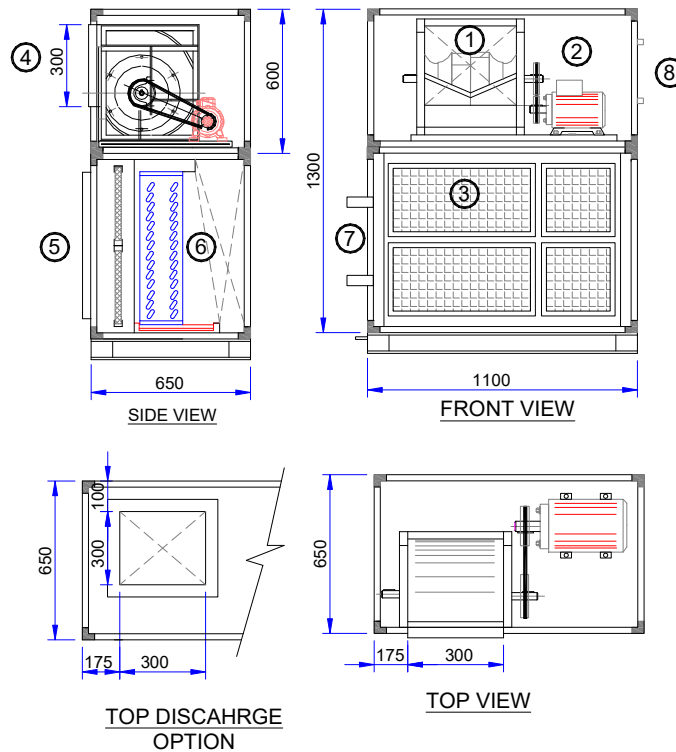
CG - VS - P1 - BC -	20	
Supply Air Flow (Nominal)	2,000	CFM
Cooling Capacity (Nominal)	5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	310 mm Dia.	1
② Motor	0.75 Kw	1
③ Aluminum Filter	600mm X 300mm	2
	300mm X 300mm	2
④ Supply Air Neck	300mm x 300 mm	1
⑤ Return Air Neck	900mm x 300 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
	Condensate Drain - Pipe	25 mm (1")
⑧ Access Panel	550mm x 550mm	1
	650mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	

VSD Inverter

Overall Dimensions

Length	1100	mm
Width	650	mm
Hieght	1300	mm



Slim Type Air Handling Unit

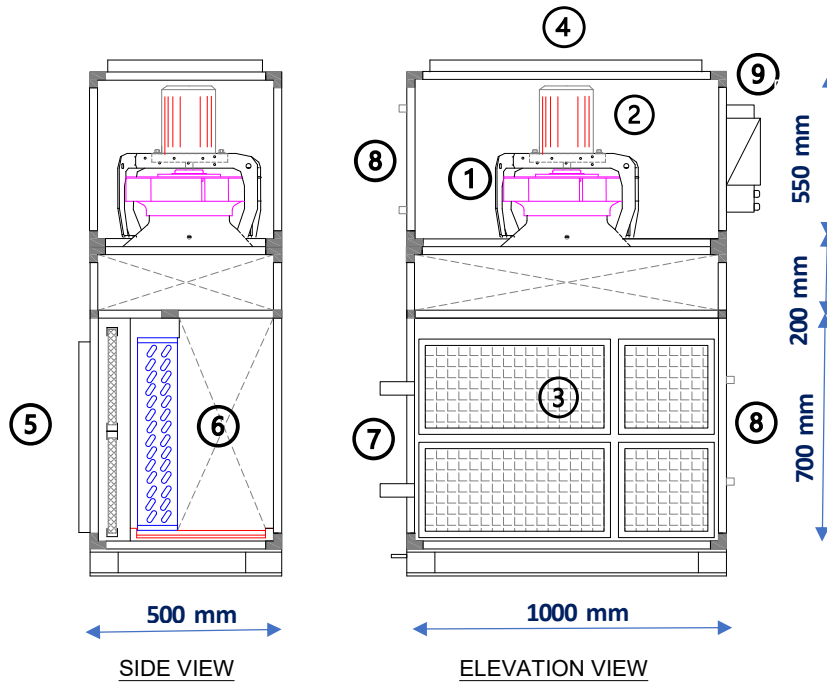
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -	25	
Supply Air Flow (Nominal)	2,500	CFM
Cooling Capacity (Nominal)	6.5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	350 mm Dia.	1
② Motor	1.1 Kw	1
③ Aluminum Filter	600mm X 300mm	2
	300mm X 300mm	2
④ Supply Air Neck	900mm x 400 mm	1
⑤ Return Air Neck	900mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
	Condensate Drain - Pipe	25 mm (1")
⑧ Access Panel	450mm x 450mm	1
	600mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	1.1 kw

Overall Dimensions

Length	1000	mm
Width	500	mm
Hieght	1450	mm



Slim Type Air Handling Unit

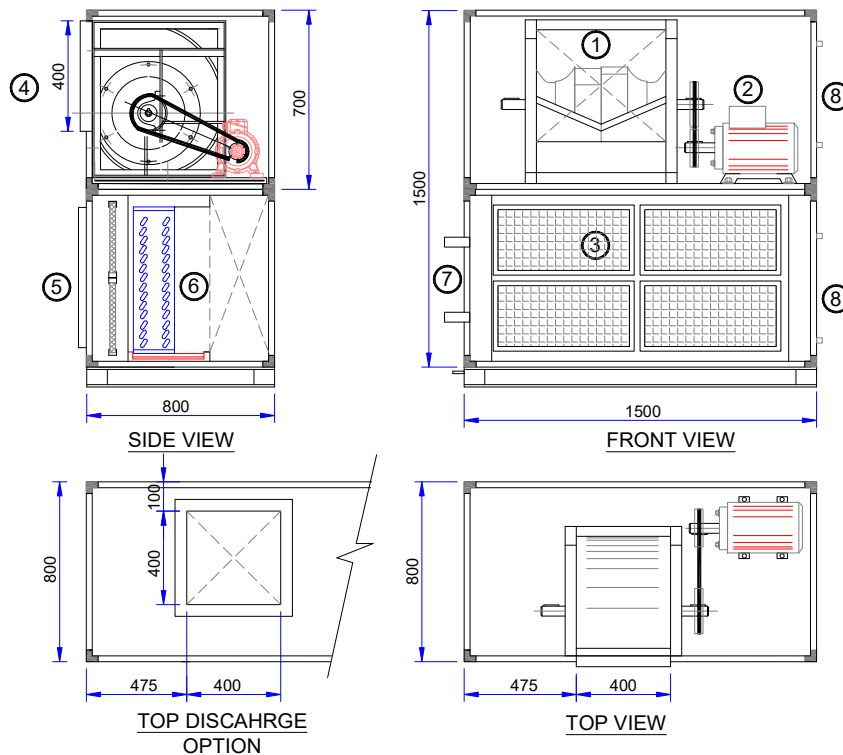
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	25	
Supply Air Flow (Nominal)	2,500	CFM
Cooling Capacity (Nominal)	6.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	310 mm Dia.	1
② Motor	1.1 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	4
④ Supply Air Neck	400mm x 400 mm	1
⑤ Return Air Neck	1200mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	750mm x 600mm 750mm x 150mm	1 1
⑨ Electrical Termination VSD Inverter	Enclosure Box	

Overall Dimensions

Length	1500	mm
Width	800	mm
Hieght	1500	mm



Slim Type Air Handling Unit

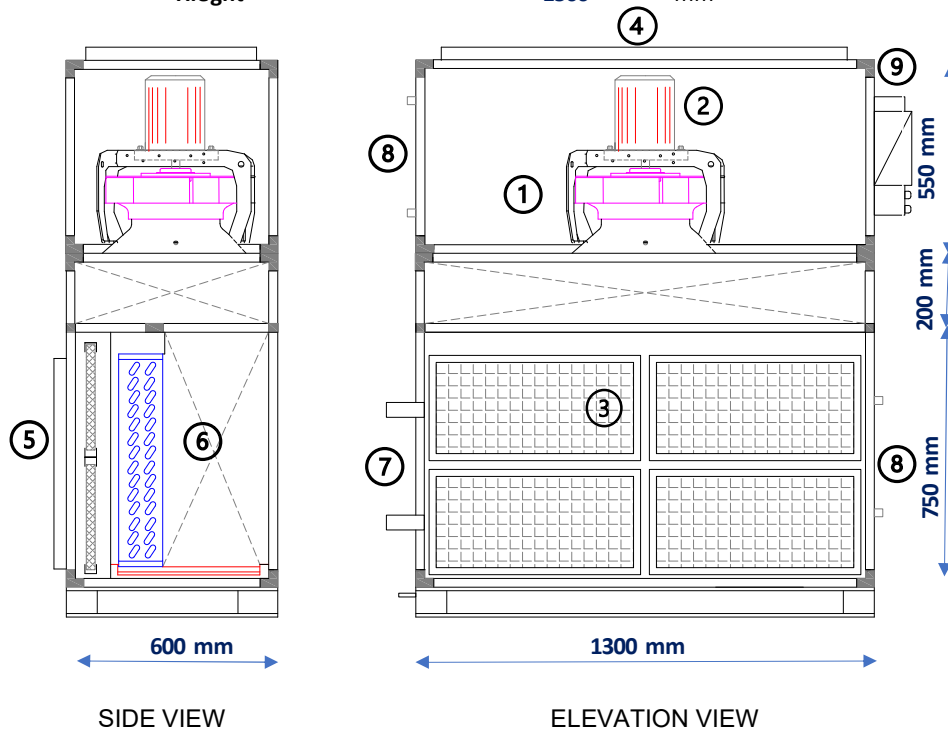
Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -	30	
Supply Air Flow (Nominal)	3,000	CFM
Cooling Capacity (Nominal)	7.5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	350 mm Dia.	1
② Motor	1.5 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	4
④ Supply Air Neck	1200mm x 500 mm	1
⑤ Return Air Neck	1200mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	450mm x 450mm 600mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	1
VSD Inverter	1.5 kw	1

Overall Dimensions

Length	1300	mm
Width	600	mm
Hieght	1500	mm



Slim Type Air Handling Unit

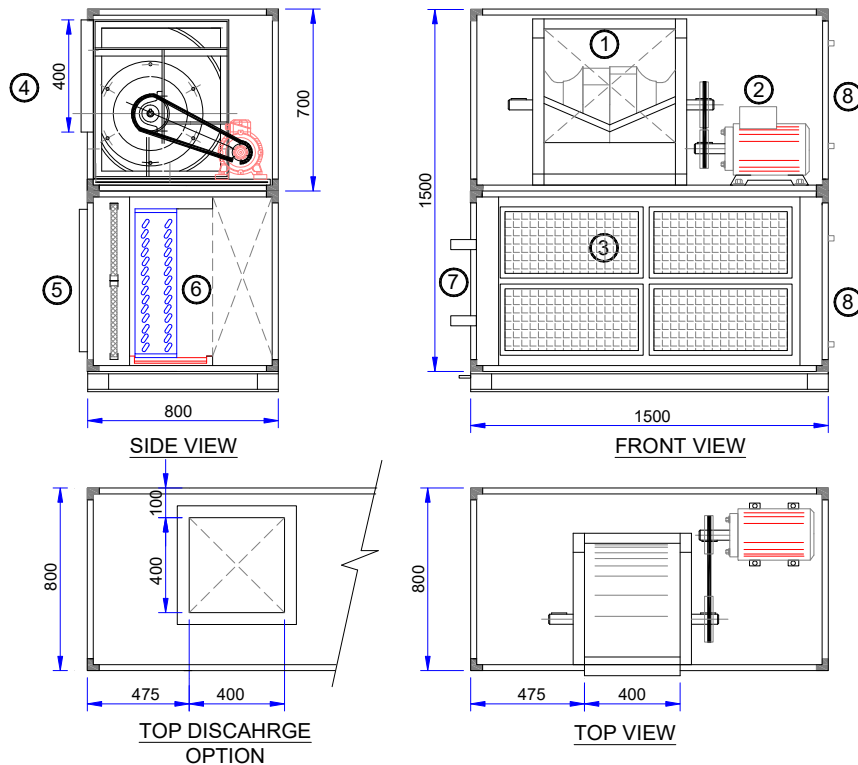
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	30	
Supply Air Flow (Nominal)	3,000	CFM
Cooling Capacity (Nominal)	7.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	310 mm Dia.	1
② Motor	1.5 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	4
④ Supply Air Neck	400mm x 400 mm	1
⑤ Return Air Neck	1200mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	32 mm (1 1/4")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	750mm x 600mm 750mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	1500	mm
Width	800	mm
Hieght	1500	mm



Slim Type Air Handling Unit

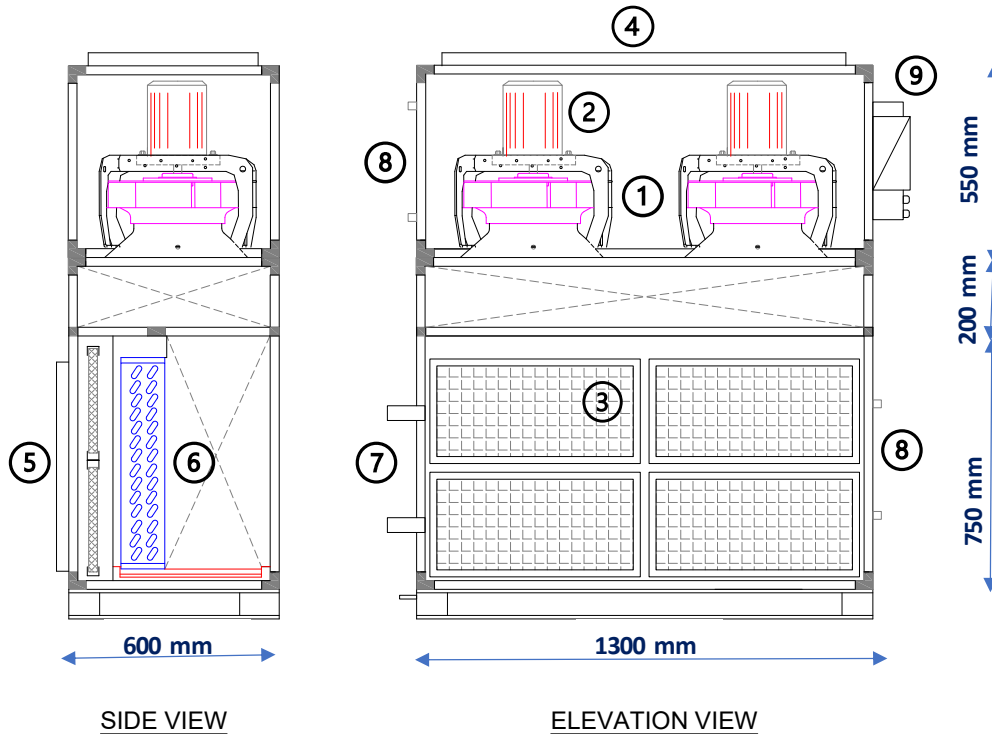
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - PLG -	40	
Supply Air Flow (Nominal)	4,000	CFM
Cooling Capacity (Nominal)	10	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	350 mm Dia.	2
② Motor	1.1 Kw	2
③ Aluminum Filter	600mm X 300mm	4
	300mm X 300mm	
④ Supply Air Neck	1200mm x 500 mm	1
⑤ Return Air Neck	1200mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	
⑧ Access Panel	500mm x 500mm	1
	600mm x 150mm	
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	

Overall Dimensions

Length	1300	mm
Width	600	mm
Hieght	1500	mm



Slim Type Air Handling Unit

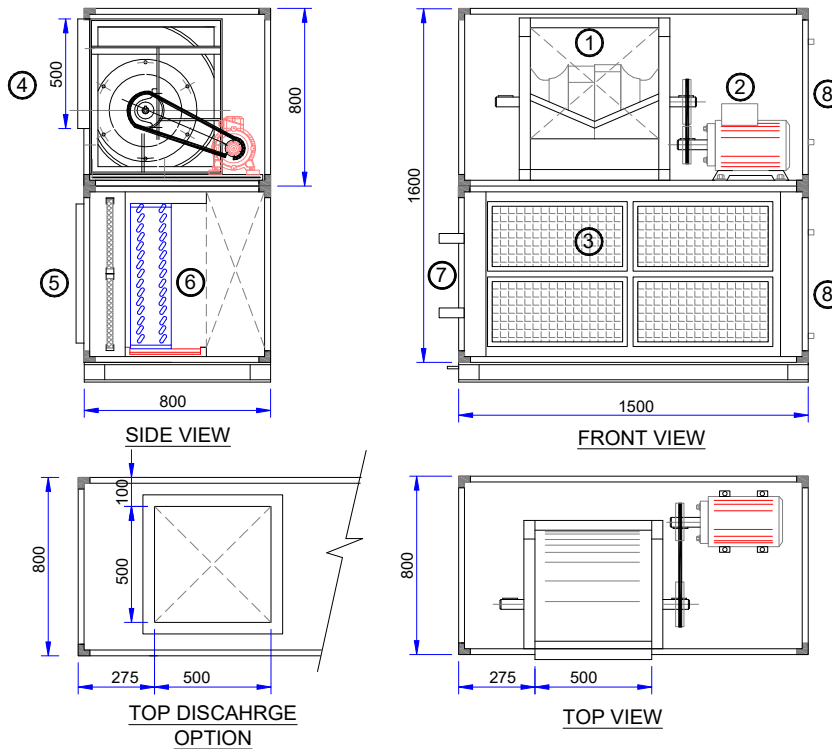
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	40	
Supply Air Flow (Nominal)	4,000	CFM
Cooling Capacity (Nominal)	10	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	350 mm Dia.	1
② Motor	2.2 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	4
④ Supply Air Neck	500mm x 500 mm	1
⑤ Return Air Neck	1200mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	750mm x 600mm 750mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	1500	mm
Width	800	mm
Hieght	1600	mm



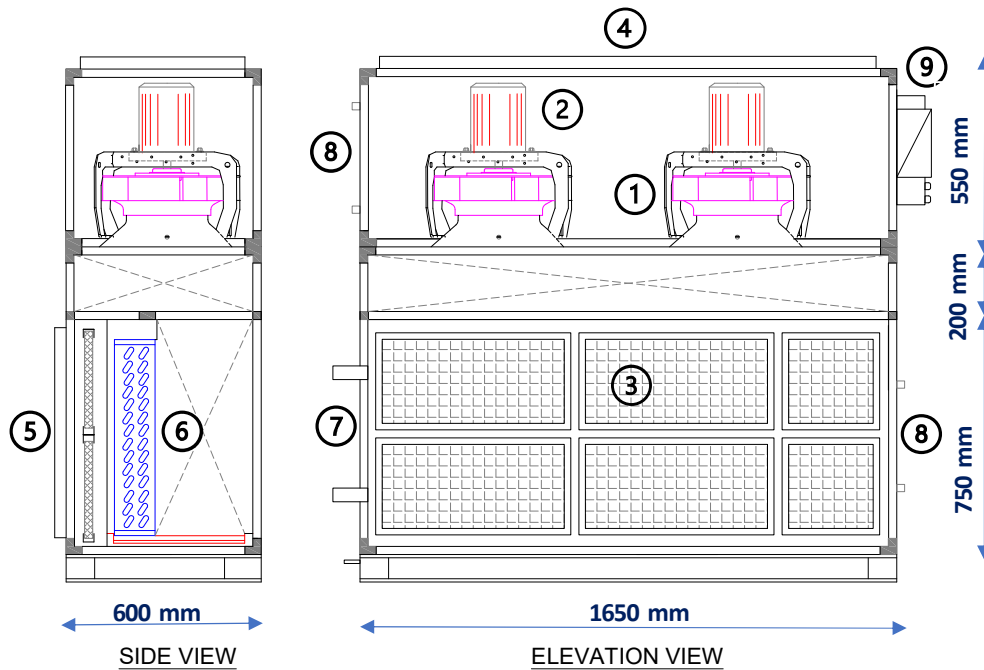
Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -		50
Supply Air Flow (Nominal)	5,000	CFM
Cooling Capacity (Nominal)	12.5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	350 mm Dia.	2
② Motor	1.1 Kw	2
③ Aluminum Filter	600mm X 300mm	4
	300mm X 300mm	2
④ Supply Air Neck	1400mm x 500 mm	1
⑤ Return Air Neck	1400mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (1")
⑧ Access Panel	500mm x 500mm	1
	600mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	2.2 kw

Overall Dimensions		
Length	1650	mm
Width	600	mm
Hieght	1500	mm



Slim Type Air Handling Unit

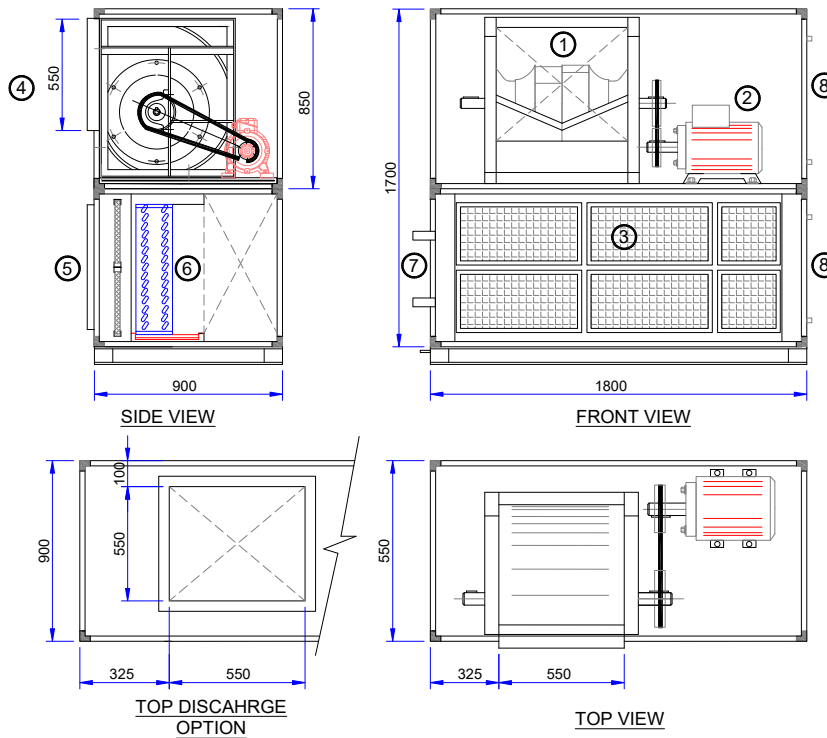
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	50	
Supply Air Flow (Nominal)	5,000	CFM
Cooling Capacity (Nominal)	12.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	450 mm Dia.	1
② Motor	2.2 Kw	1
③ Aluminum Filter	600mm X 300mm	4
	300mm X 300mm	2
④ Supply Air Neck	550mm x 550 mm	1
⑤ Return Air Neck	1500mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	25 mm (1")
⑧ Access Panel	800mm x 600mm	1
	800mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	1800	mm
Width	900	mm
Hieght	1700	mm



Slim Type Air Handling Unit

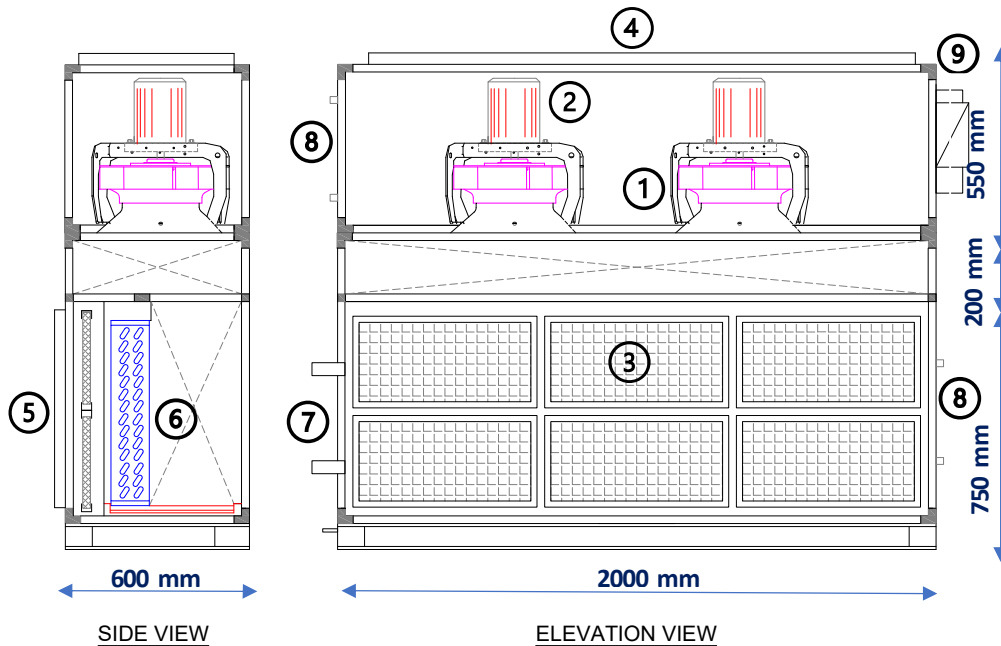
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - PLG -	65	
Supply Air Flow (Nominal)	6,500	CFM
Cooling Capacity (Nominal)	16.5	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	350 mm Dia.	2
② Motor	1.5 Kw	2
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	6
④ Supply Air Neck	1800mm x 500 mm	1
⑤ Return Air Neck	1800mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	500mm x 500mm 600mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	1
VSD Inverter	3.0 kw	1

Overall Dimensions

Length	2000	mm
Width	600	mm
Hieght	1500	mm



Slim Type Air Handling Unit

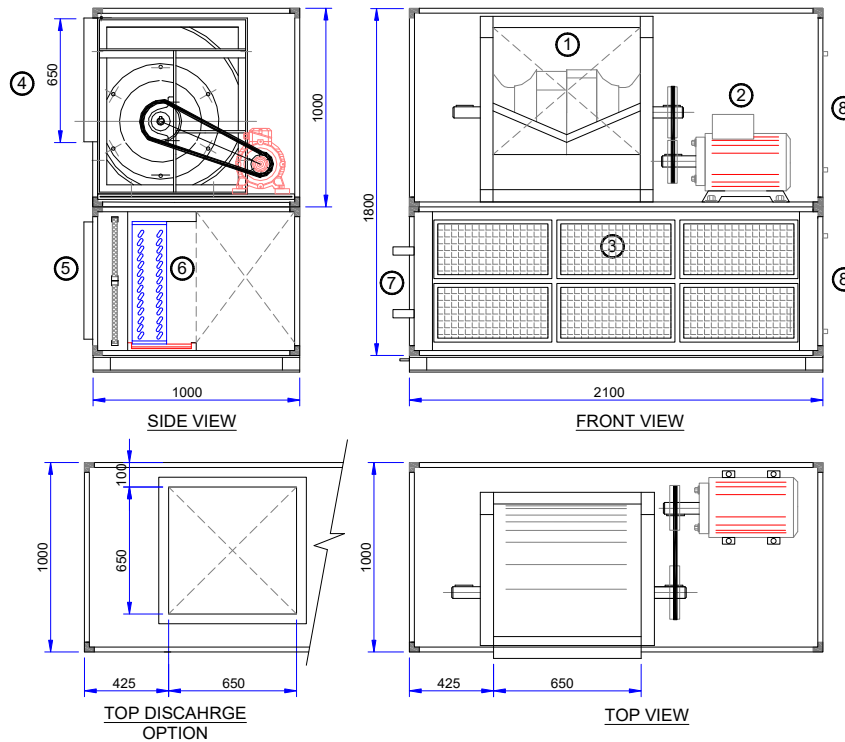
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	65	
Supply Air Flow (Nominal)	6,500	CFM
Cooling Capacity (Nominal)	16.5	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	500 mm Dia.	1
② Motor	3.0 Kw	1
③ Aluminum Filter	600mm X 300mm	6
	300mm X 300mm	
④ Supply Air Neck	650mm x 650 mm	1
⑤ Return Air Neck	1800mm x 600 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	
⑧ Access Panel	900mm x 600mm	1
	750mm x 150mm	
⑨ Electrical Termination	Enclosure Box	1
	VSD Inverter	

Overall Dimensions

Length	2100	mm
Width	1000	mm
Hieght	1800	mm



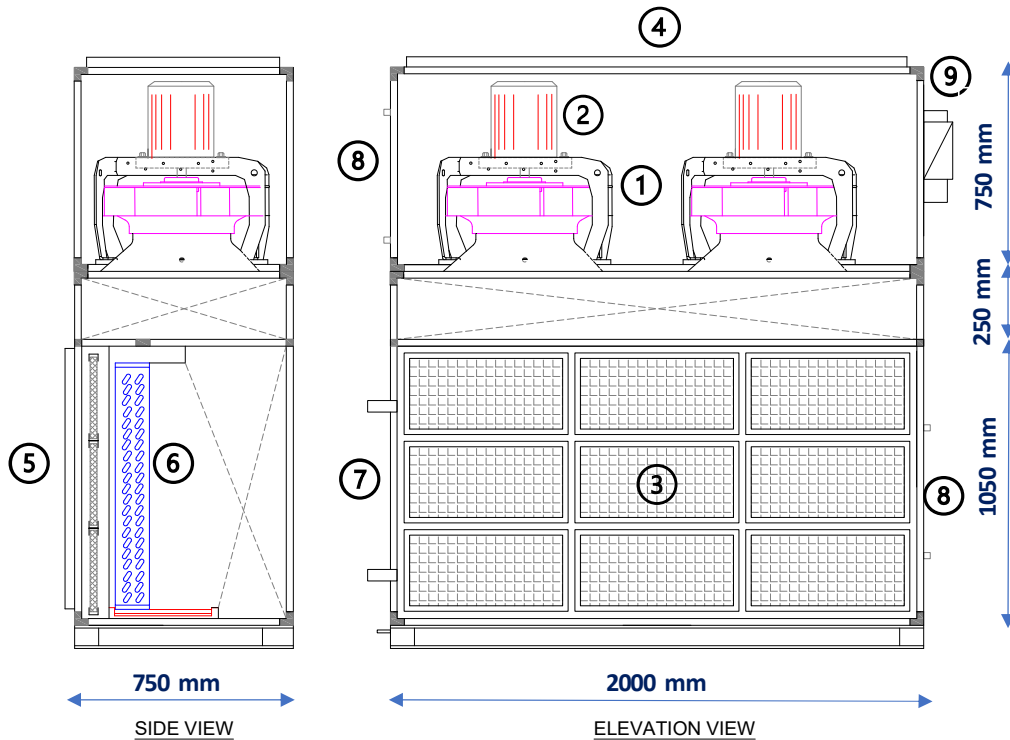
Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -		80
Supply Air Flow (Nominal)	8,000	CFM
Cooling Capacity (Nominal)	20	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	500 mm Dia.	2
② Motor	2.2 Kw	2
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	6
④ Supply Air Neck	1800mm x 600 mm	1
⑤ Return Air Neck	1800mm x 900 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	700mm x 700mm 900mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	1
VSD Inverter	4.0 kw	1

Overall Dimensions		
Length	2000	mm
Width	750	mm
Hieght	2050	mm



Slim Type Air Handling Unit

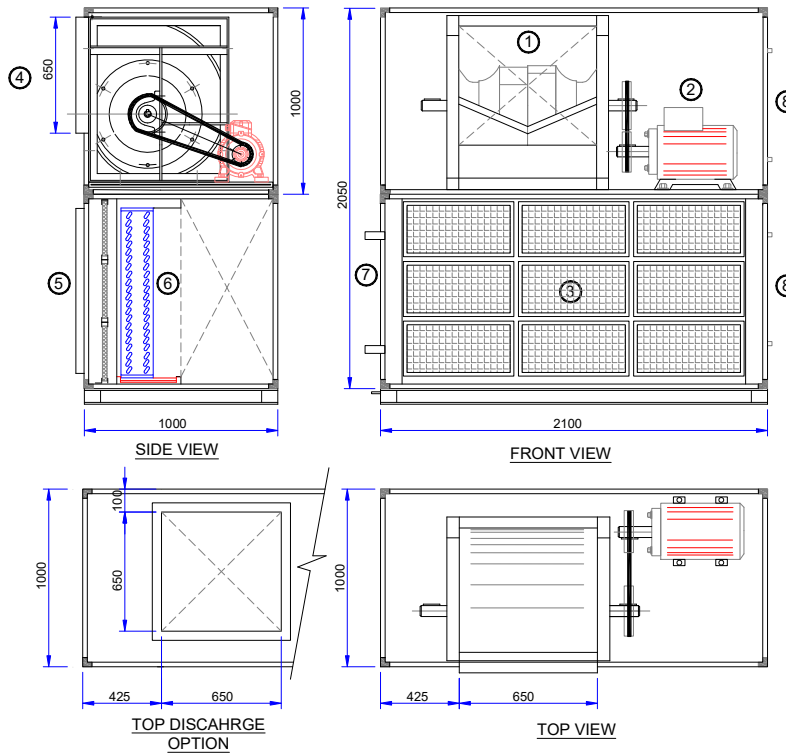
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	80	
Supply Air Flow (Nominal)	8,000	CFM
Cooling Capacity (Nominal)	20	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	500 mm Dia.	1
② Motor	4.0 Kw	1
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	9
④ Supply Air Neck	650mm x 650 mm	1
⑤ Return Air Neck	1800mm x 900 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	900mm x 600mm 900mm x 150mm	1 1
⑨ Electrical Termination VSD Inverter	Enclosure Box	

Overall Dimensions

Length	2100	mm
Width	1000	mm
Hieght	2050	mm



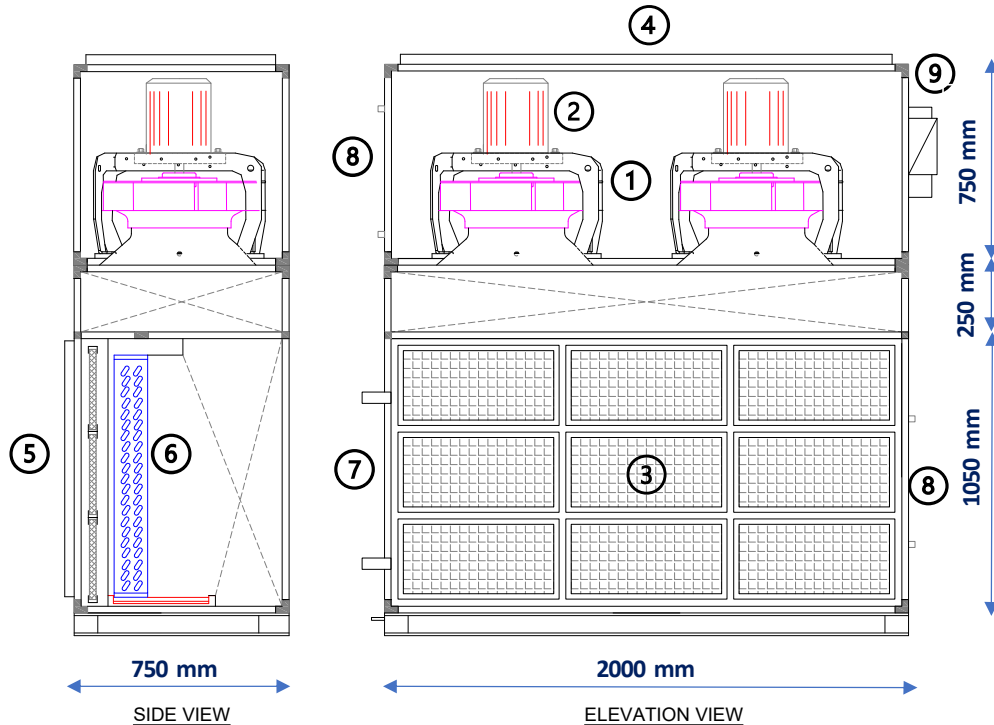
Slim Type Air Handling Unit

Comfort Air Conditioning Arrangement CG – HC/VS series

CG - VS - P1 - PLG -		100
Supply Air Flow (Nominal)	10,000	CFM
Cooling Capacity (Nominal)	25	RT

Elements	Size	Qty
① Centrifugal PLUG Fan	500 mm Dia.	2
② Motor	2.2 Kw	2
③ Aluminum Filter	600mm X 300mm 300mm X 300mm	6
④ Supply Air Neck	1800mm x 600 mm	1
⑤ Return Air Neck	1800mm x 900 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
Condensate Drain - Pipe	25 mm (1")	1
⑧ Access Panel	700mm x 700mm 900mm x 150mm	1 1
⑨ Electrical Termination	Enclosure Box	1
VSD Inverter	5.5 kw	1

Overall Dimensions		
Length	2000	mm
Width	750	mm
Hieght	2050	mm



Slim Type Air Handling Unit

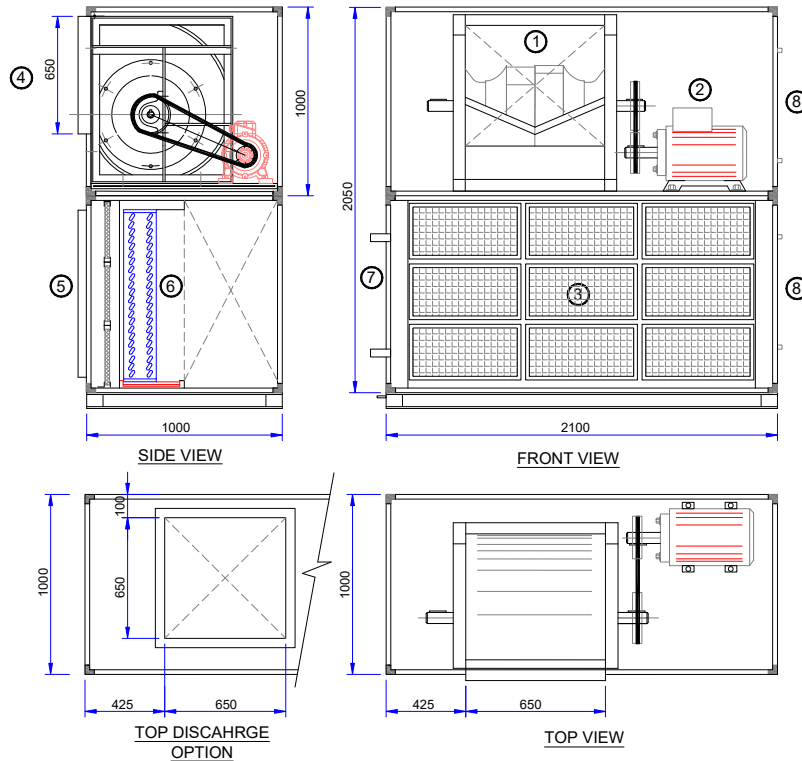
Comfort Air Conditioning Arrangement **CG – HC/VS series**

CG - VS - P1 - BC -	100	
Supply Air Flow (Nominal)	10,000	CFM
Cooling Capacity (Nominal)	25	RT

Elements	Size	Qty
① Centrifugal DWDI - BC Fan	500 mm Dia.	1
② Motor	5.5 Kw	1
③ Aluminum Filter	600mm X 300mm	9
	300mm X 300mm	
④ Supply Air Neck	650mm x 650 mm	1
⑤ Return Air Neck	1800mm x 900 mm	1
⑥ Cooling Coil	Chilled Water	1
⑦ CHW - Pipe	40 mm (1 1/2")	2
	Condensate Drain - Pipe	
⑧ Access Panel	900mm x 600mm	1
	900mm x 150mm	1
⑨ Electrical Termination	Enclosure Box	
VSD Inverter		

Overall Dimensions

Length	2100	mm
Width	1000	mm
Hieght	2050	mm



Smart Sustainable Air Technology



Clima Green

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