



TECHNICAL MANUAL

DUCTLESS MINI-SPLIT MULTI-ZONE SYSTEM

Models:

CDHAS22B | CDHAS26B | CDHAMB-27-O | CDHAMB-36-O



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1. Model Reference

Refer to the following table to determine the specific indoor and outdoor unit model number of your purchased equipment.

Indoor Unit		Outdoor Unit	Power Supply
High Wall Premium Series	CDHAS22BB-09-I	CDHAMBB-27-O CDHAMBB-36-O	1Phase, 208/230V~, 60Hz
	CDHAS22BB-12-I		
	CDHAS22BB-18-I		
	CDHAS22BB-24-I		
High Wall Ultimate Series	CDHAS26BB-12-I		
	CDHAS26BB-18-I		
	CDHAS26BB-24-I		

2. External Appearance

2.1. Indoor Unit

- Wall Mounted Type - CDHAS26B
- Wall Mounted Type CDHAS22B



2.2. Outdoor Unit

- Single Fan Outdoor Unit



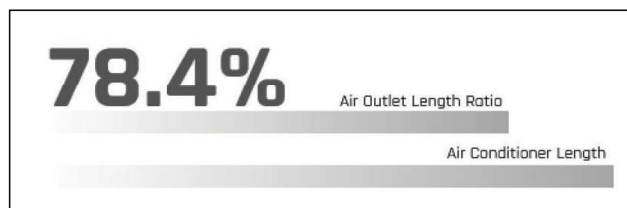
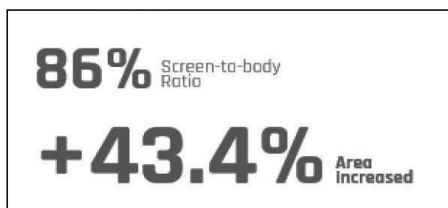
3. Functions

3.1. Ultimate High Wall

3.1.1. Compact Body, Better Efficiency

795mm * 295mm. Owing to the re-construction, a smaller but stronger machine was invented. An higher energy efficiency standard is achieved.

3.1.2. Space Released for More Air In N Out



3.1.3. Shorter Distance Required, for More Flexibility to Enjoy.

Thanks to the air-intake's enlargement, the air conditioner operates smoothly with low noise and sufficient cooling capacity even being fixed closely to the ceiling.

<i>To Ceiling Distance Required</i>	
Ordinary AC	ALLEASY Pro
15 ~ 20cm	5cm

3.1.4. Easy Disassemble

Thanks to the Snap-and-Snap design of the hasps, We get rid of the fuss for 7 or more screws in different places of a typical IDU to disassemble.

The whole disassemble process only costs you just 1 minute

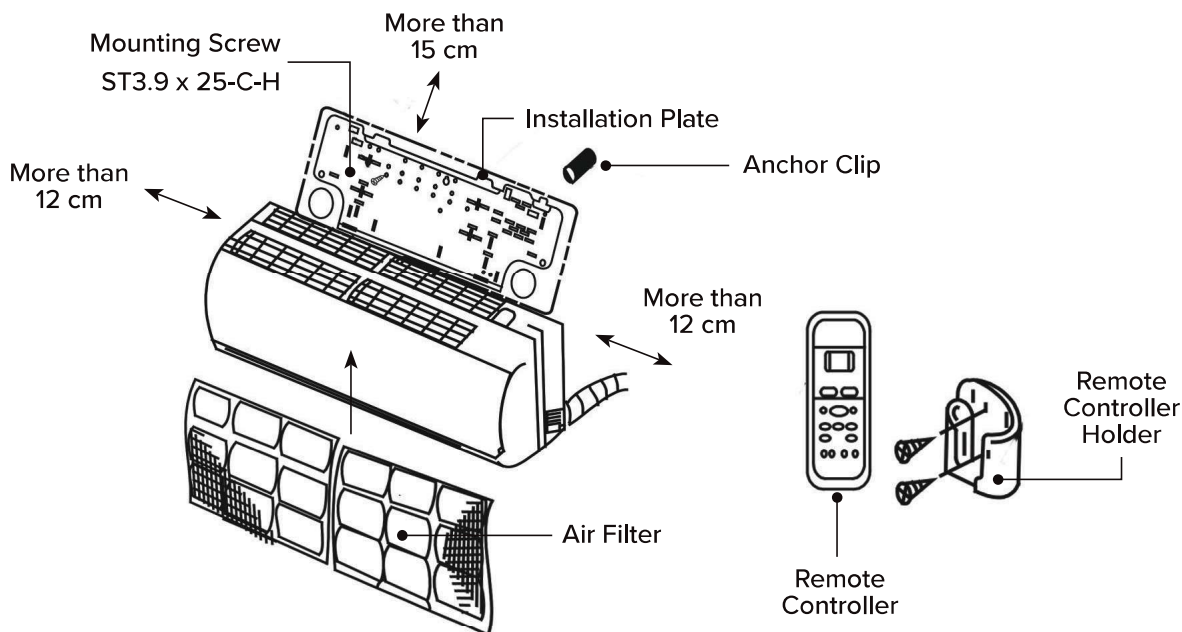
3.1.5. Easy Clean-Quick Cleaning from the Top

Thanks to the Mag Pull design – 6 round magnetic connectors on the filter, the top cover filter can be easily removed and put back just within 1 soft 'click'. The whole process is free of dust-stir.

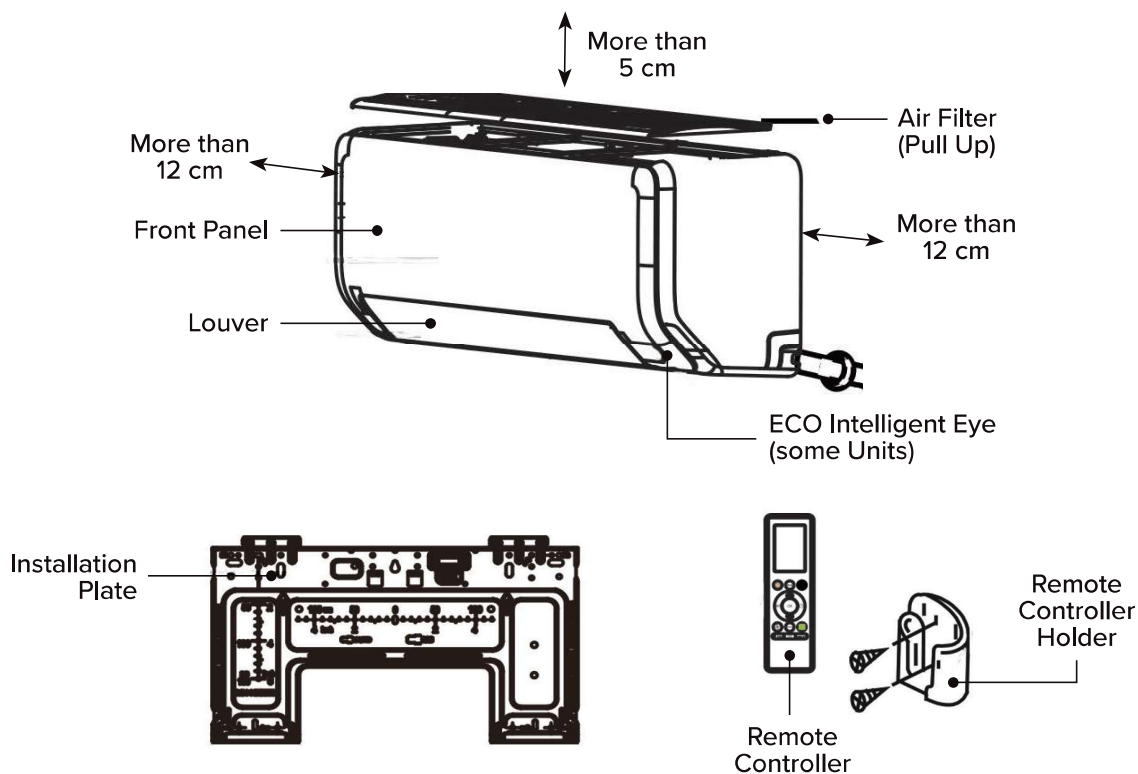
No need to bother opening up the front panel any more. Clean your filter as often as you want.

4. Part names of Indoor units

4.1. Wall Mounted Type CDHAS22B



4.2. Wall Mounted Type CDHAS26B



5. Indoor Unit Combination

Multi Zone Outdoor Unit		Available Indoor	One Unit	Two Units	Three Units	Four Units
Hyper 1 Drive 4	CDHAMBB-27-O	High Wall 9K/12K/18K/24K	24	6+18	6+6+6	6+6+6+6
				6+24	6+6+9	6+6+6+9
				9+9	6+6+12	6+6+6+12
				9+12	6+6+18	6+6+6+18
				9+18	6+6+24	6+6+6+24
				9+24	6+9+9	6+6+9+9
				12+12	6+9+12	6+6+9+12
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						12+12+12+12

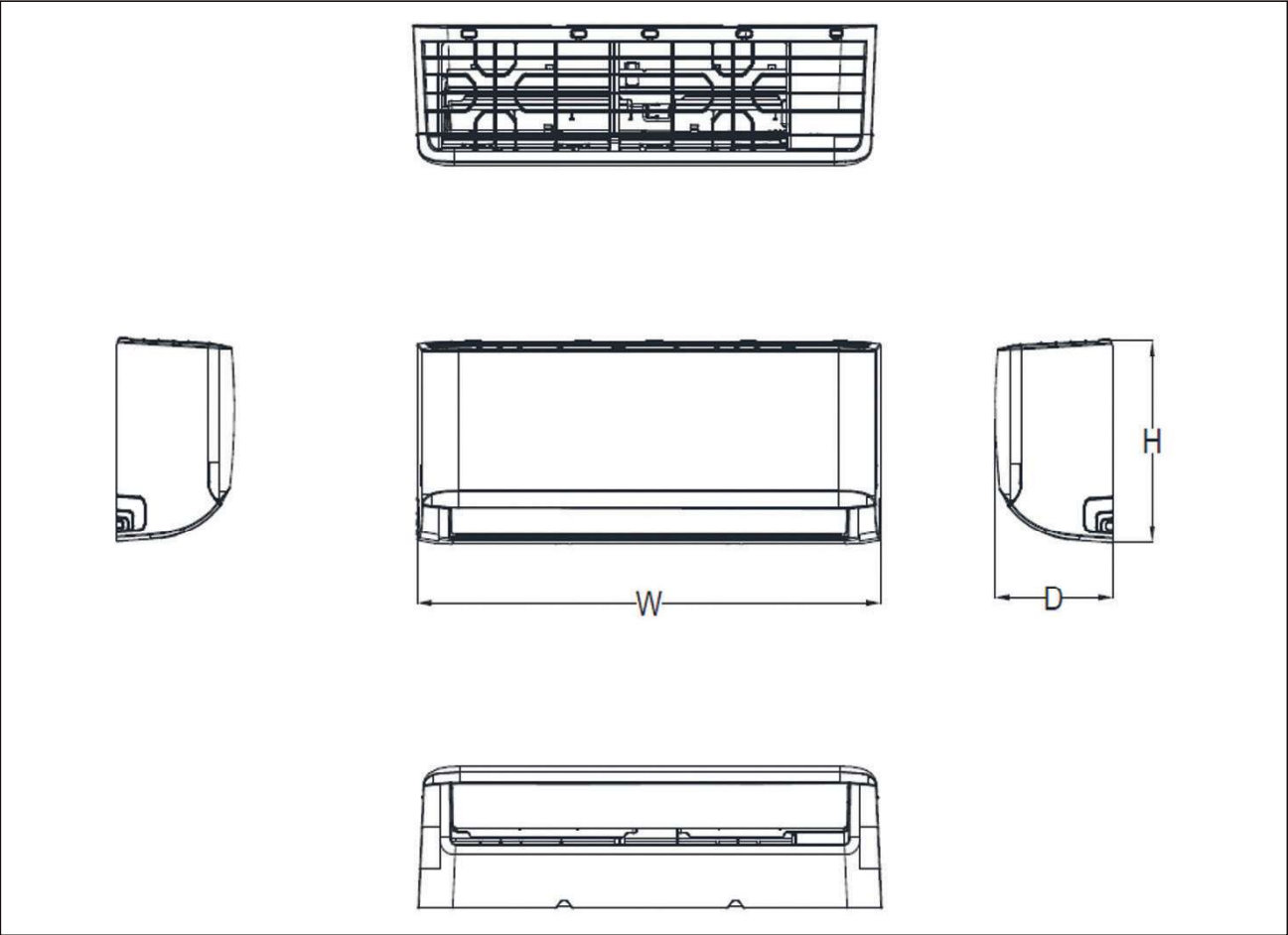
Multi Zone Outdoor Unit		Available Indoor	Optional Combination				
			One Unit	Two Units	Three Units	Four Units	Five Units
Hyper 1 Drive 5	CDHAMBB-36-O	High Wall K/12K/18K/24K	33	6+24	6+6+12	Four units	6+6+6+6+6
				6+33	6+6+18	6+6+6+6	6+6+6+6+9
				9+18	6+6+24	6+6+6+9	6+6+6+6+12
				9+24	6+6+33	6+6+6+12	6+6+6+6+18
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				12+12	6+9+12	6+6+6+24	6+6+6+9+12
				12+18	6+9+18	6+6+9+9	6+6+6+9+18
				12+24	6+9+24	6+6+9+12	6+6+6+12+12
				12+33	6+12+12	6+6+9+18	6+6+6+12+18
				18+18	6+12+18	6+6+9+24	6+6+9+9+9
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						9+9+9+18	
						9+9+9+24	
						9+9+12+12	
						9+9+12+18	
						9+9+12+24	

Multi Zone Outdoor Unit		Avaliable Indoor	Optional Combination				
			One Unit	Two Units	Three Units	Four Units	Five Units
						9+9+18+18	
						9+9+18+24	
						9+12+12+12	
						9+12+12+18	
						9+12+12+24	
						9+12+18+18	
						9+18+18+18	
						12+12+12+12	
						12+12+12+18	
						12+12+12+24	
						12+12+18+18	

6. Dimensional Drawings

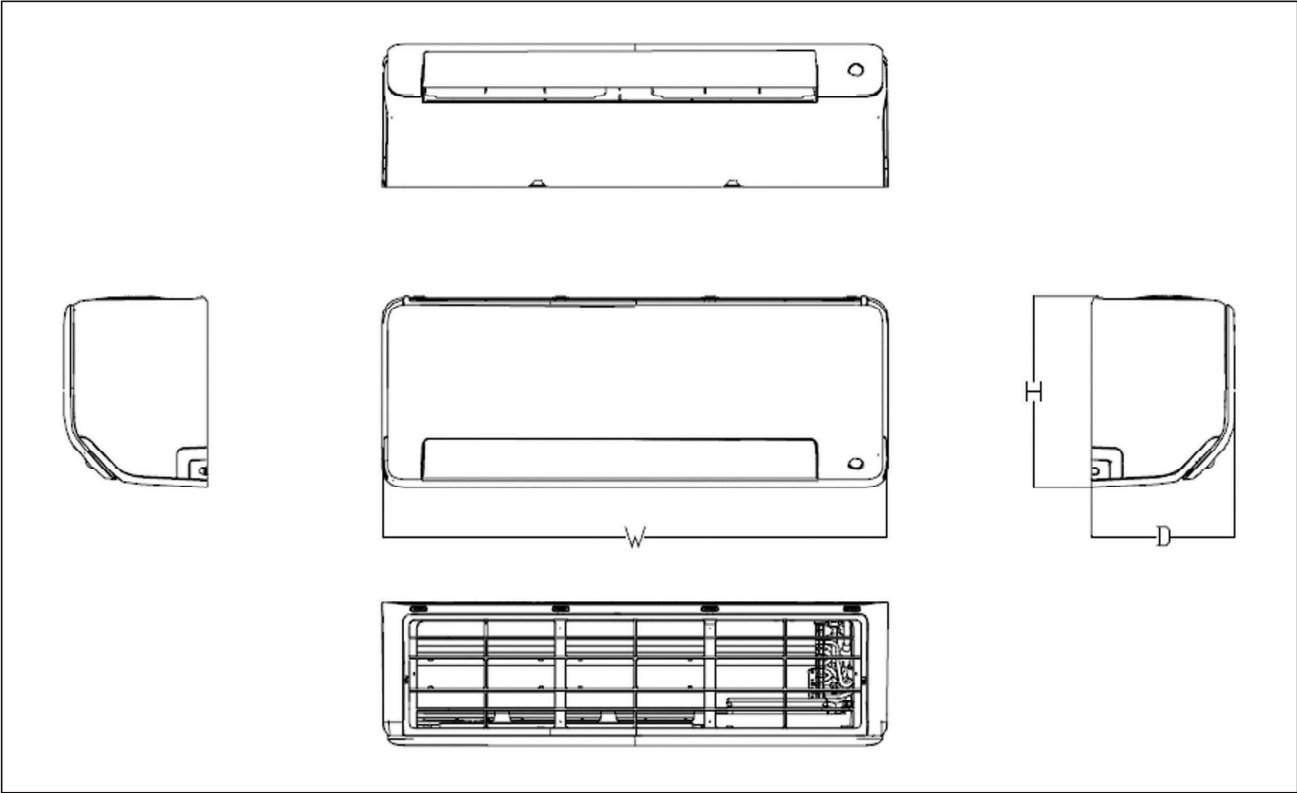
6.1. Indoor Unit

6.1.1. Premium High Wall



Model (kBtu/h)	W (mm/inch)	D (mm/inch)	H (mm/inch)
6	729/28.7	200/7.87	292/11.5
9~12	802/31.57	200/7.87	295/11.61
18~24	1082/42.6	234/9.21	337/13.27
33	1259/49.57	1259/49.57	362/14.25

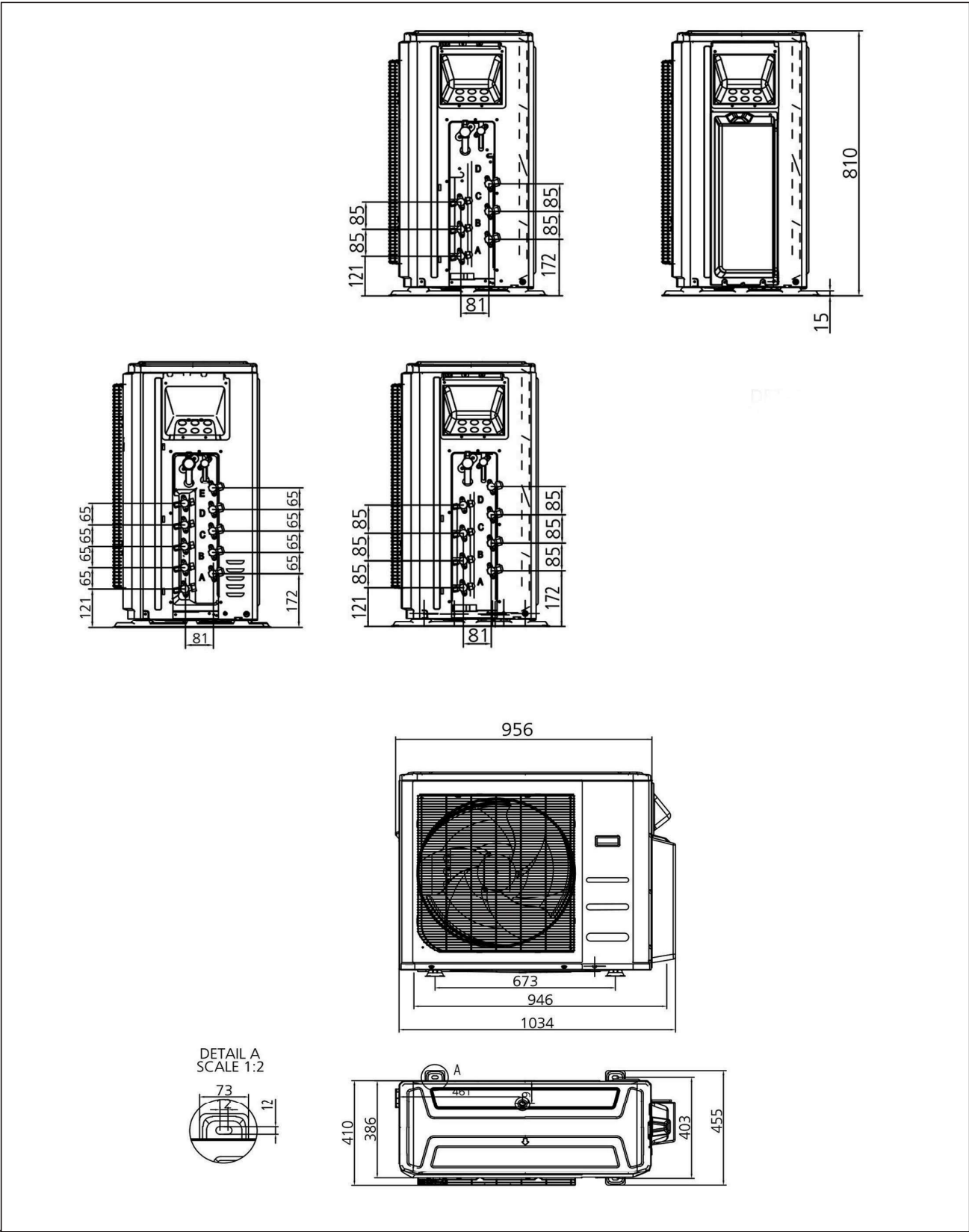
6.1.2. Ultimate High Wall



Model (kBtu/h)	W (mm/inch)	D (mm/inch)	H (mm/inch)
6k~12k	795/31.3	225/8.86	295/11.61
18k	965/38	239/9.41	319/12.56
24k~33k	1140/44.88	275/10.83	370/14.57

6.2. Outdoor Unit

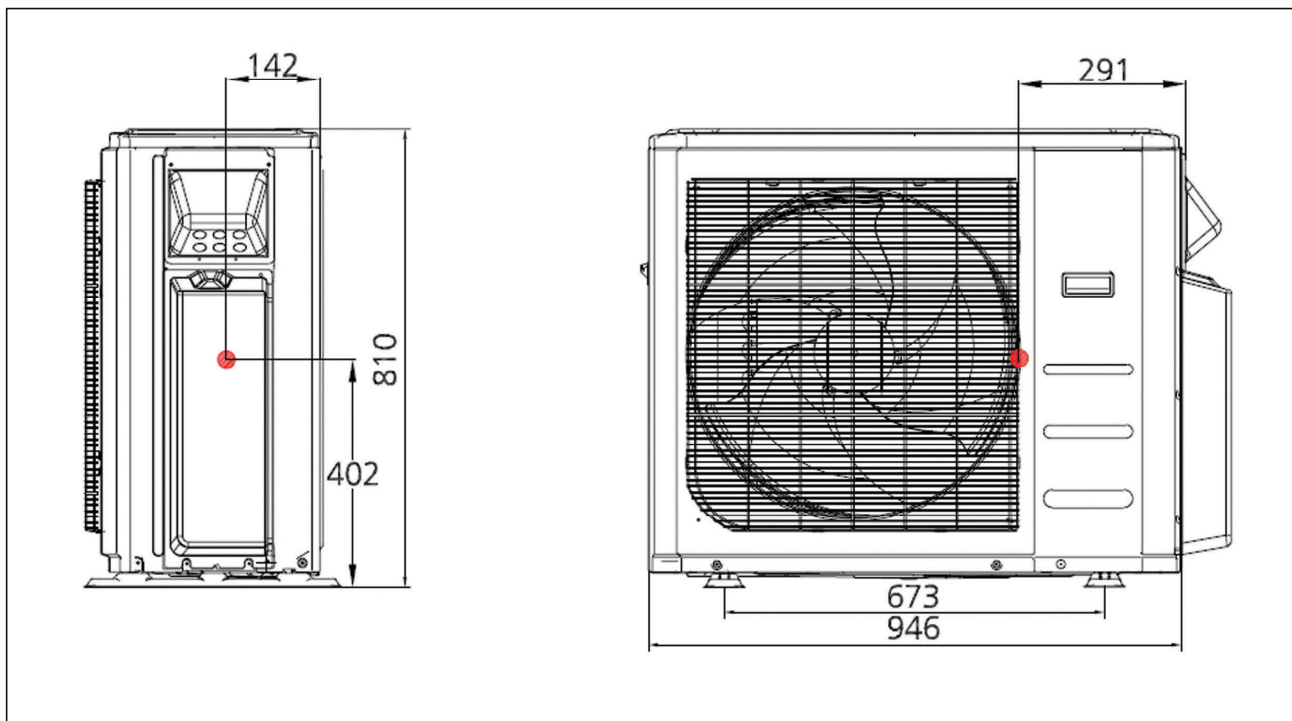
6.2.1. CDHAMBB-27-O



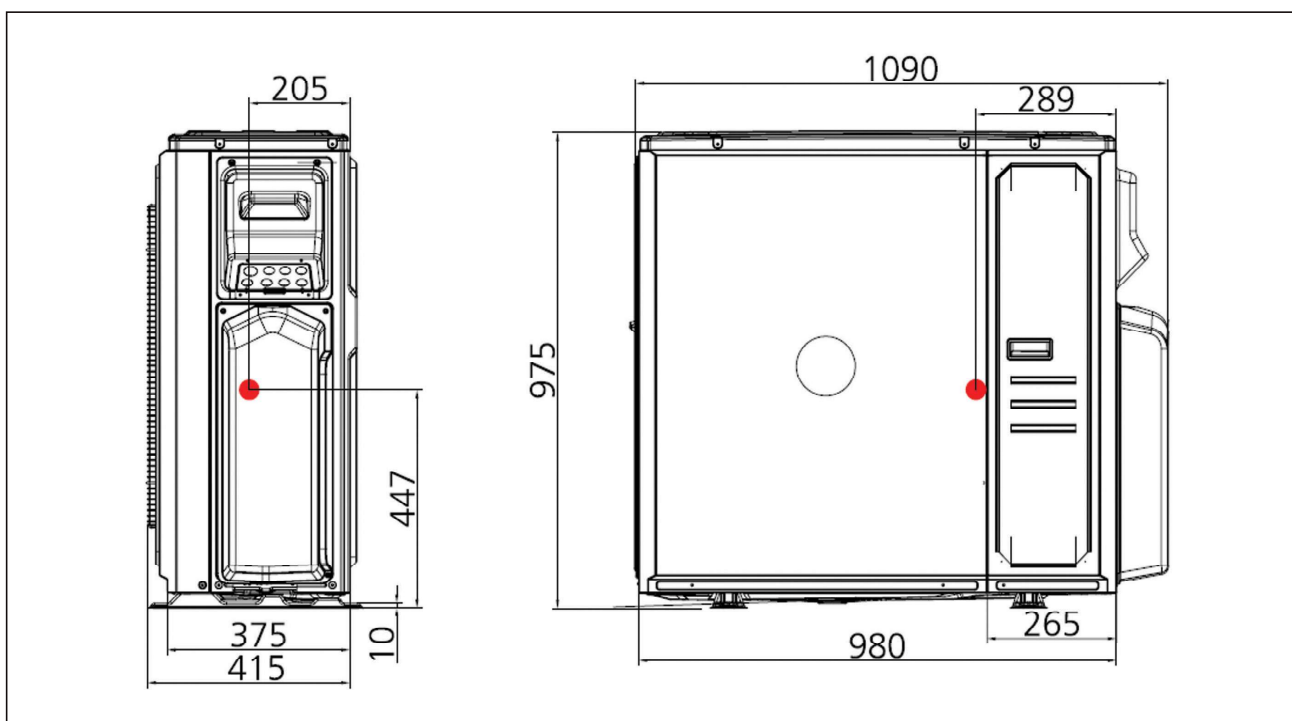
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7. Centre of Gravity

7.1. CDHAMBB-27-O



7.2. CDHAMBB-36-O

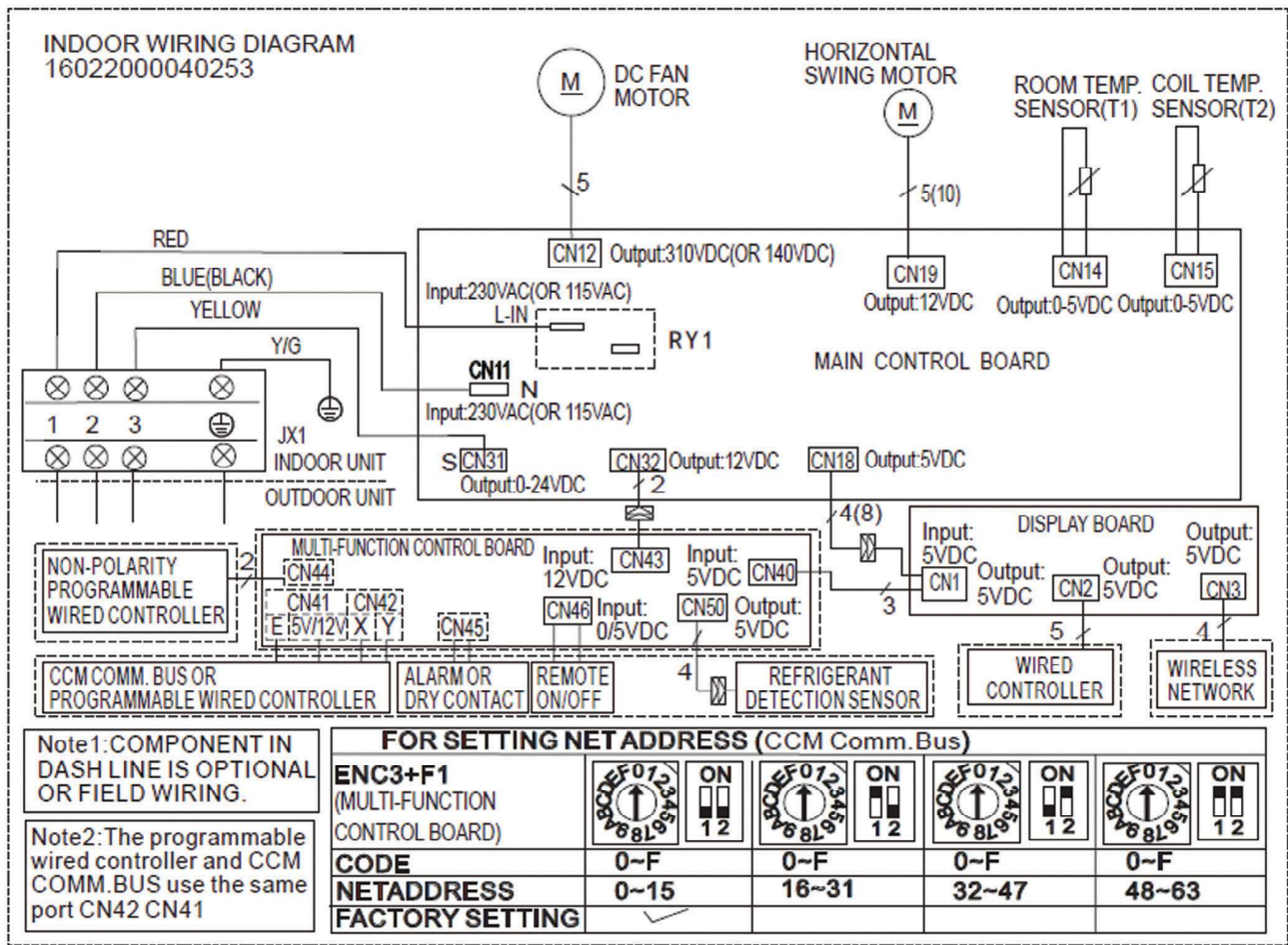


8. Electrical Wiring Diagrams

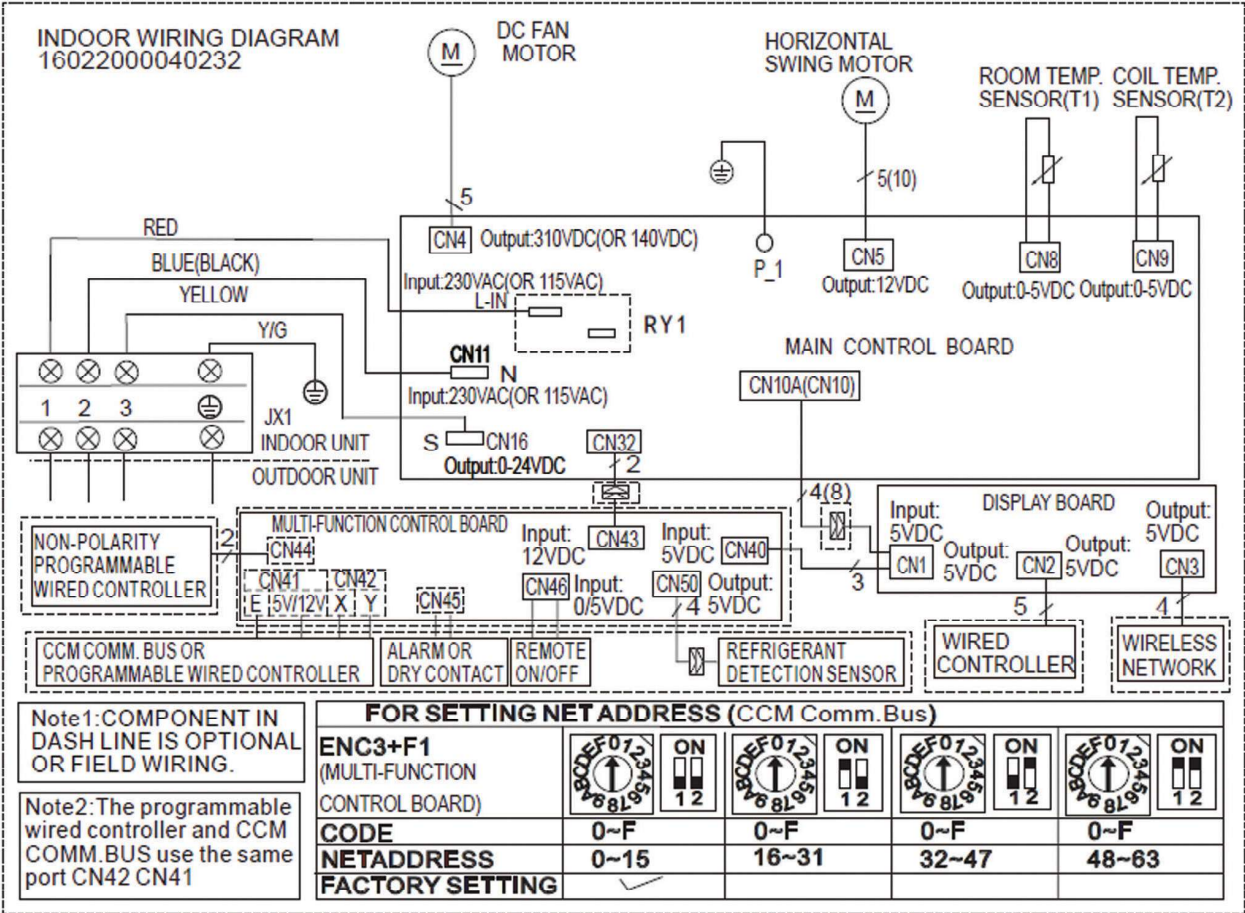
8.1. Indoor Unit

8.1.1. Premium High Wall

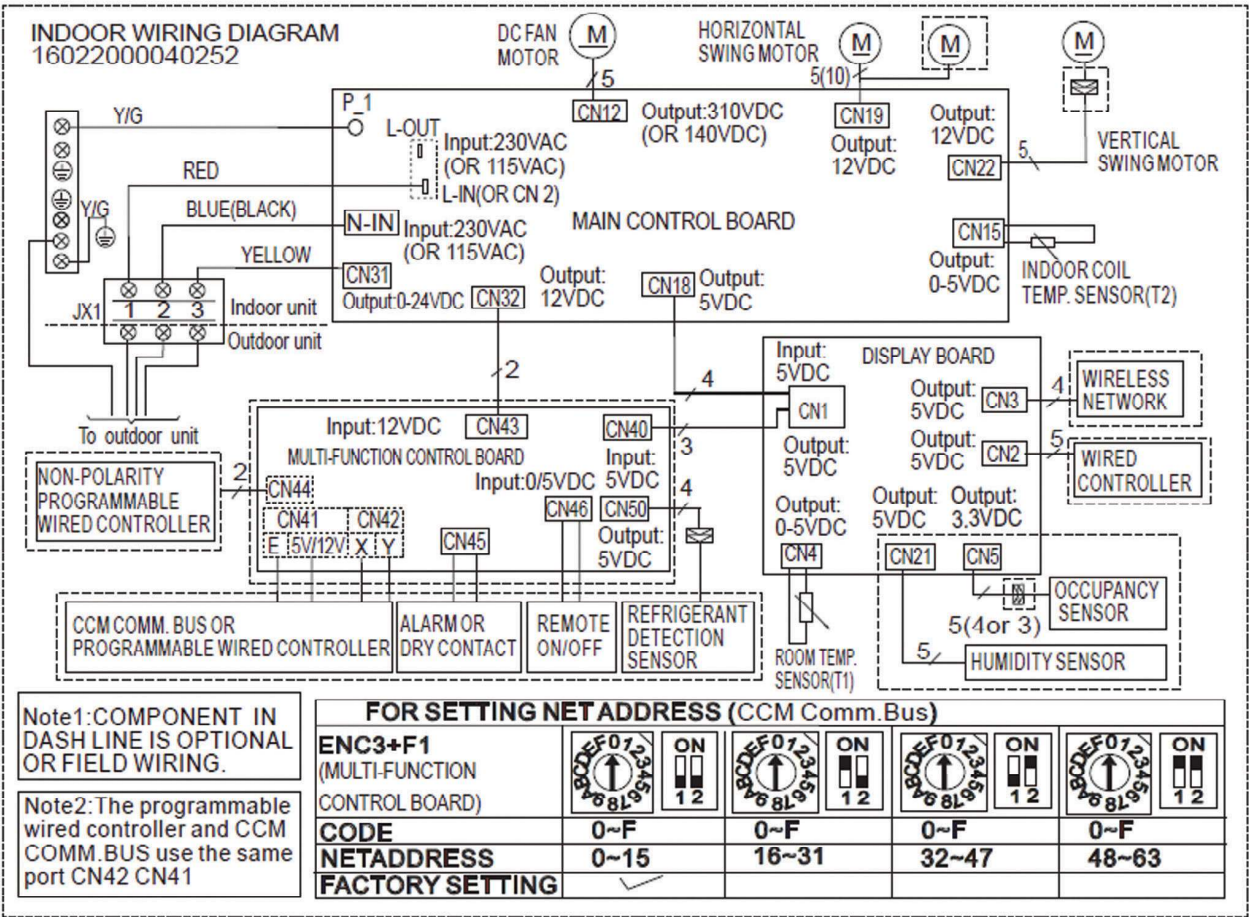
6k-12k



18k~33k

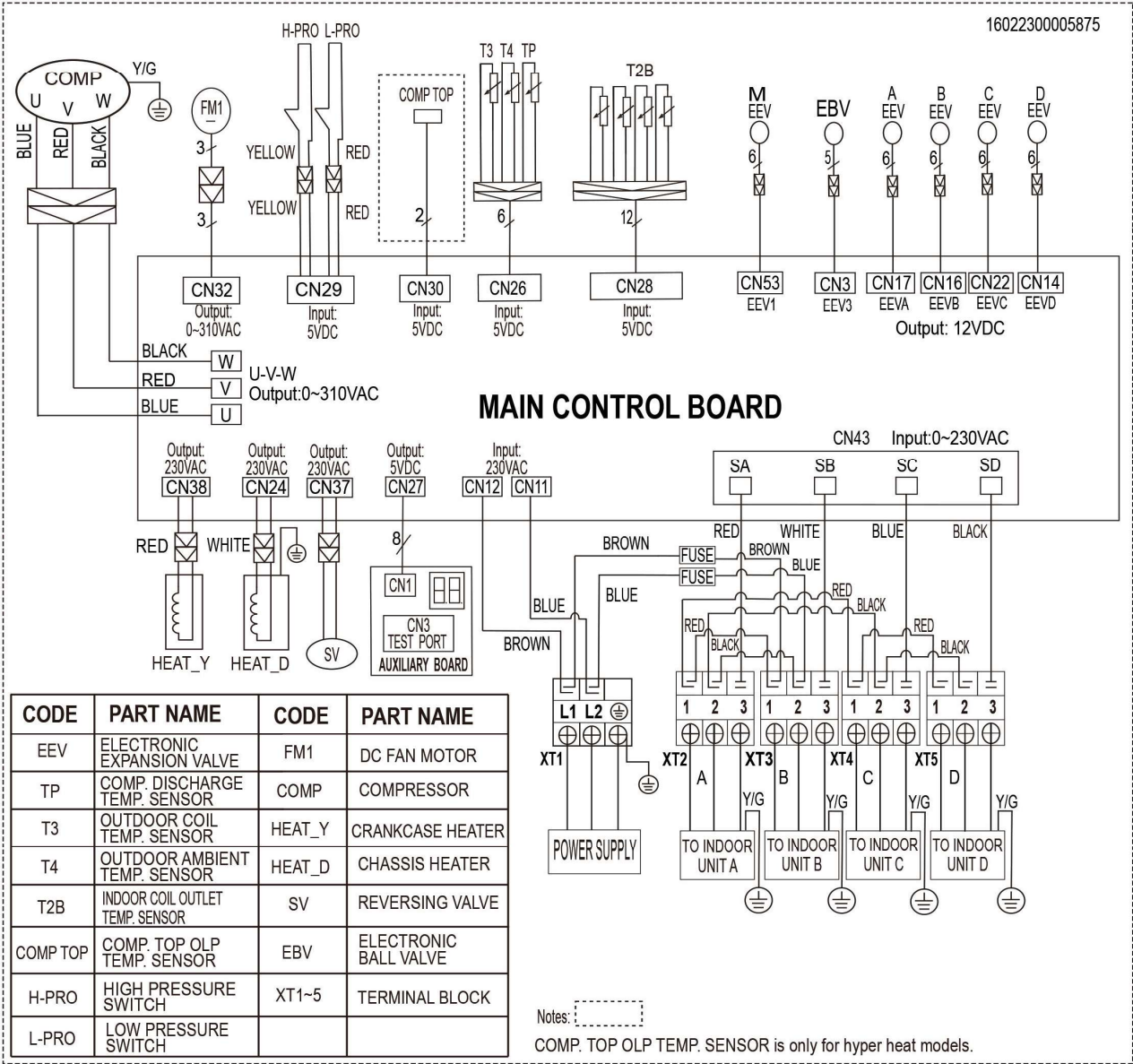


8.1.2. Ultimate High Wall

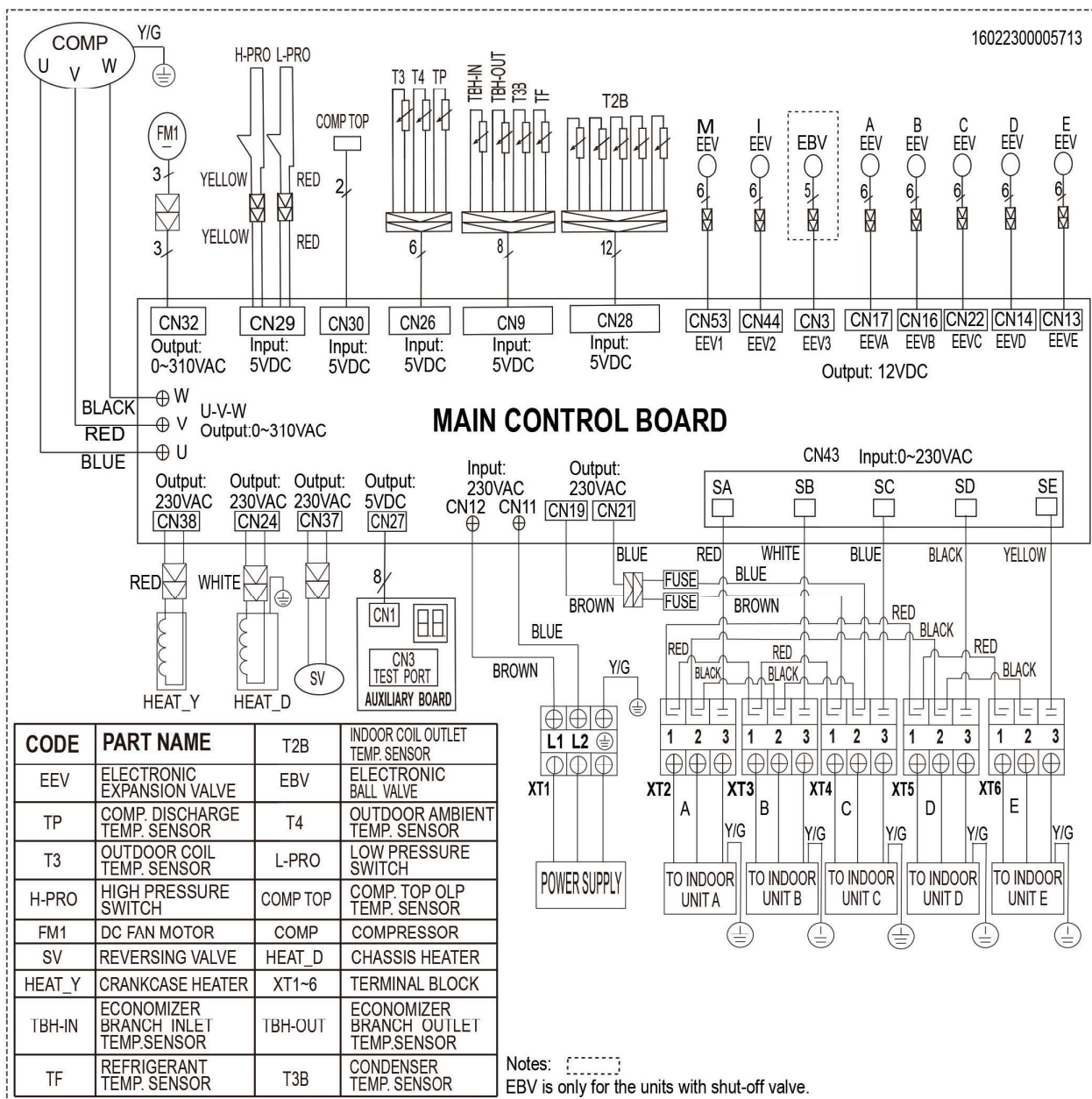


8.2. Outdoor Unit

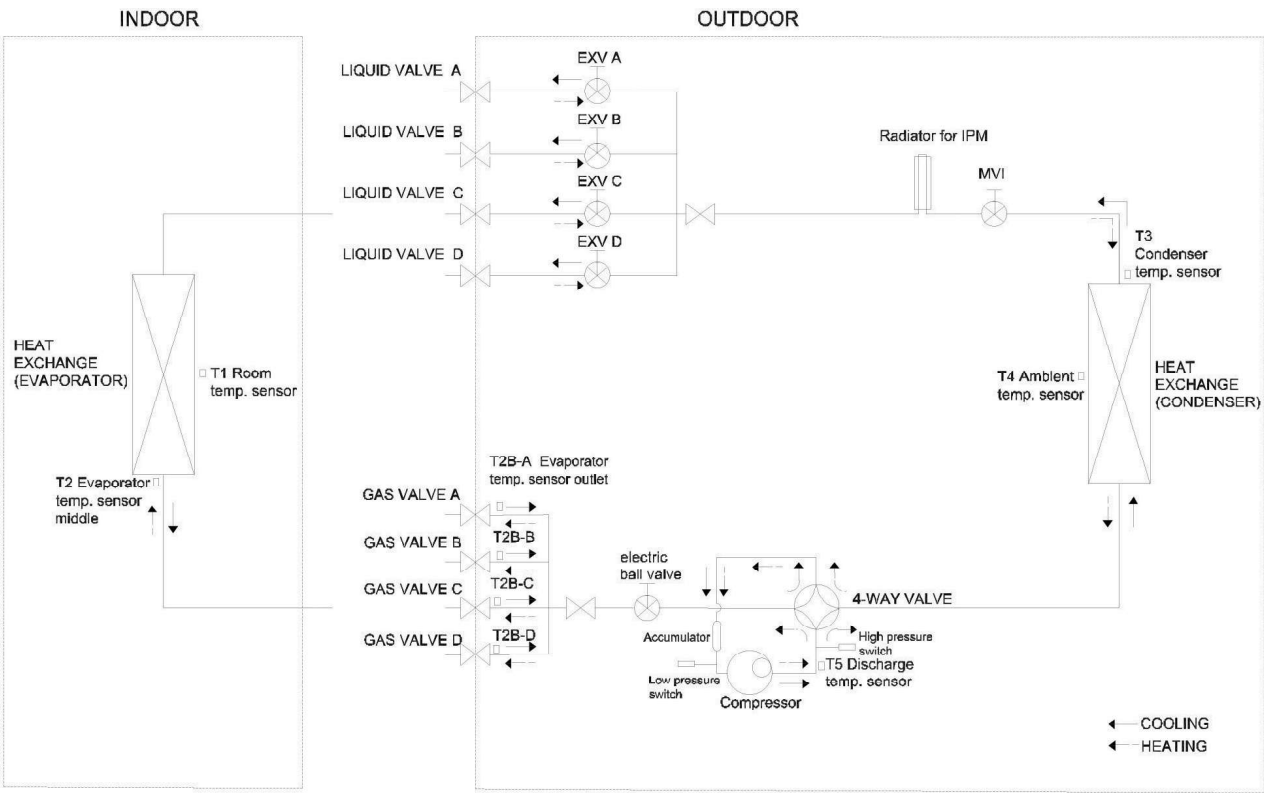
8.2.1. CDHAMBB-27-O



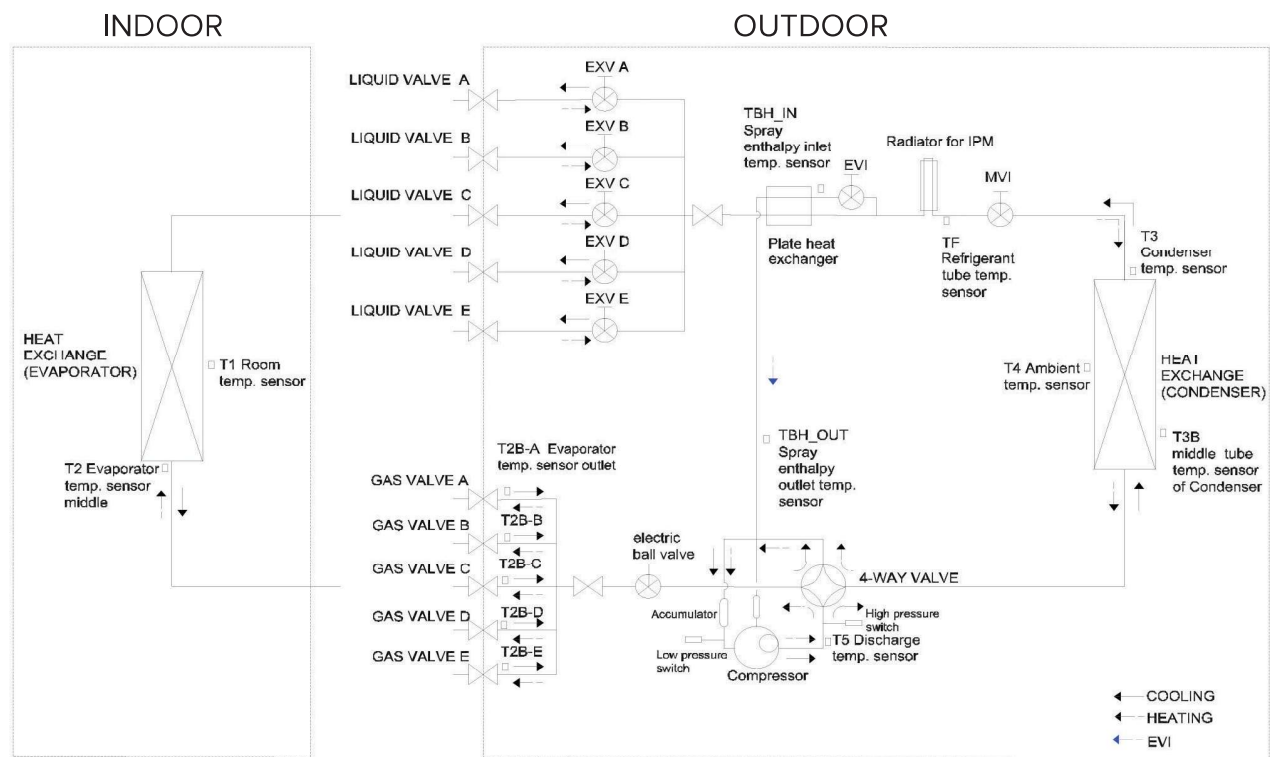
8.2.2. CDHAMBB-36-O



9. Refrigeration Cycle Diagrams



Model	Pipe Size (Diameter:ø)		Piping length (m)			Elevation		Additional Refrigerant
			Rated	Max				
	Gas	Liquid			Single	Total	IDU and ODU	
CDHAMBB-27-O	3x9.52 + 1x12.7	4x6.35	30	35	80	15	10	15g/m

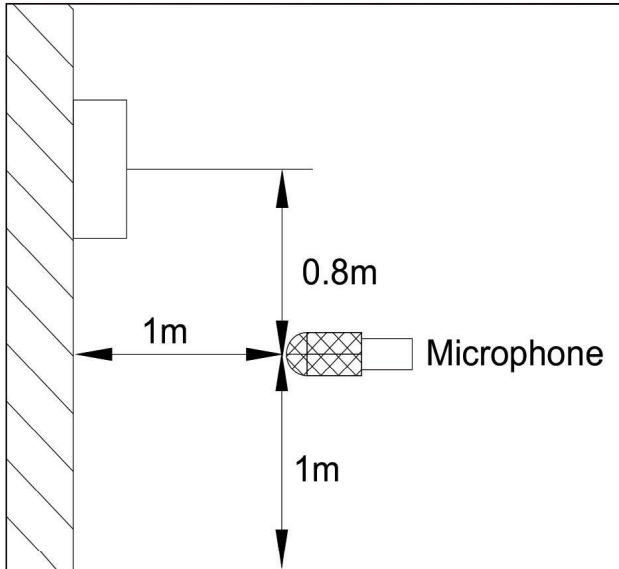


Model	Pipe Size (Diameter:ø)		Piping length (m)			Elevation		Additional Refrigerant
			Rated	Max				
	Gas	Liquid			Single	Total	IDU and ODU	
NDHAMBB-36-O	3x9.52 + 2x12.7	5x6.35	37.5	35	80	15	10	15g/m

10. Noise Criterion Curves

10.1. Indoor Unit

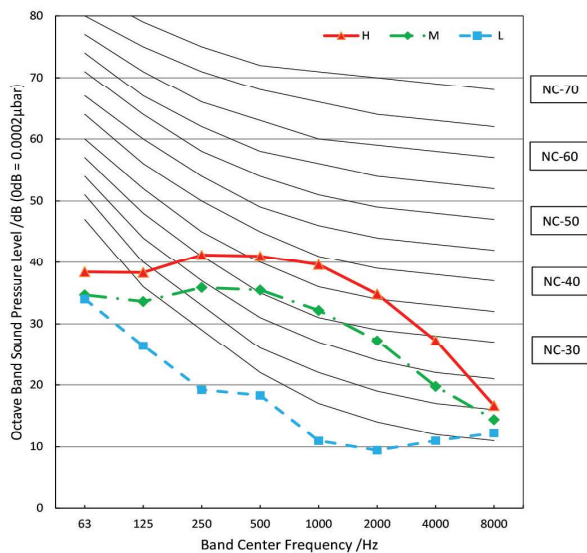
10.1.1. High Wall Types



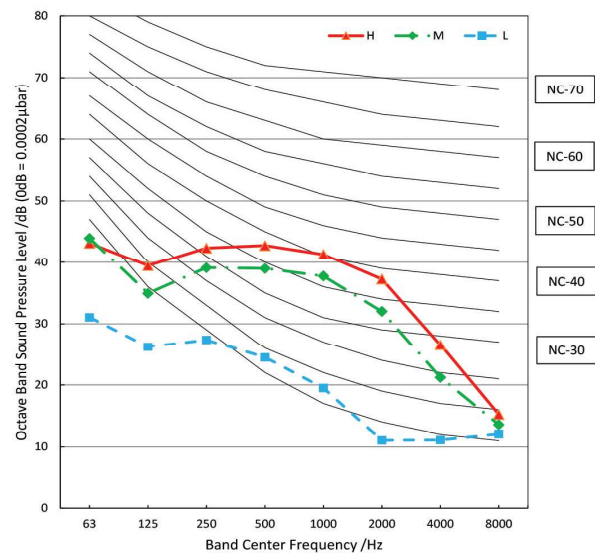
Notes:

- Sound measured at 1.0m away from the center of the unit.
- Data is valid at nominal operation condition
- Reference acoustic pressure $OdB = 20\mu Pa$
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

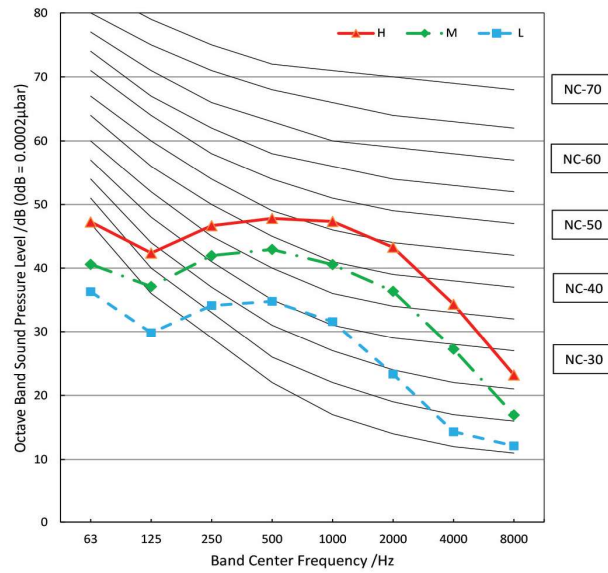
CDHAS22BB-12-I



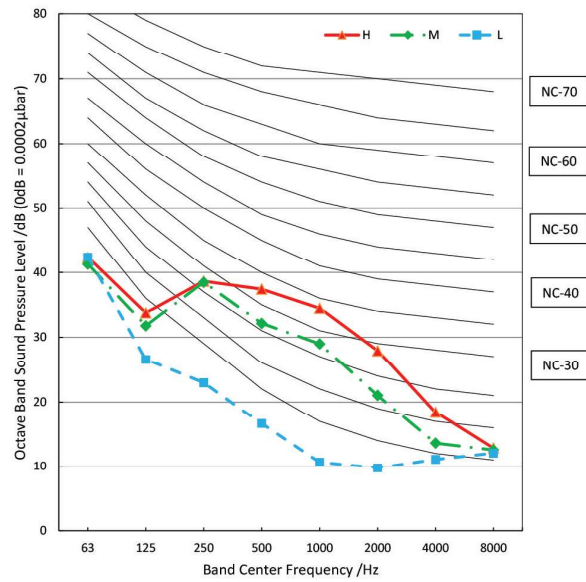
CDHAS22BB-18-I



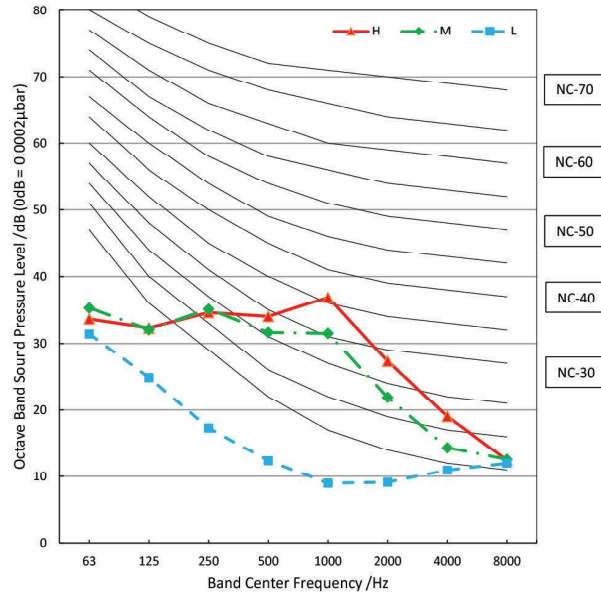
CDHAS22BB-24-I



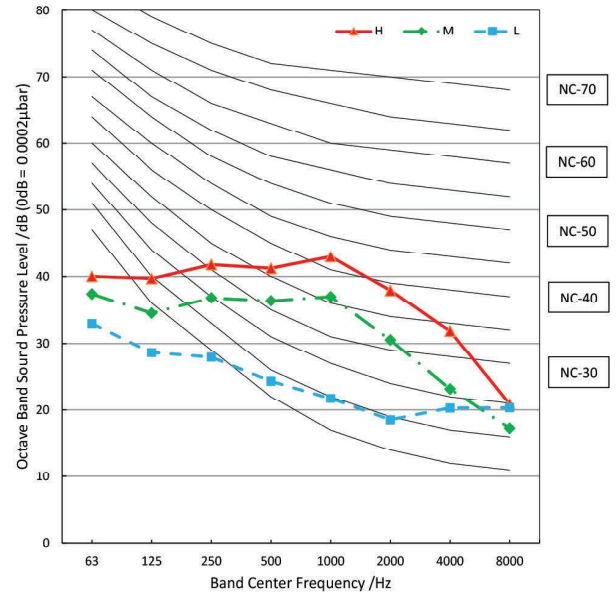
CDHAS26BB-09-I



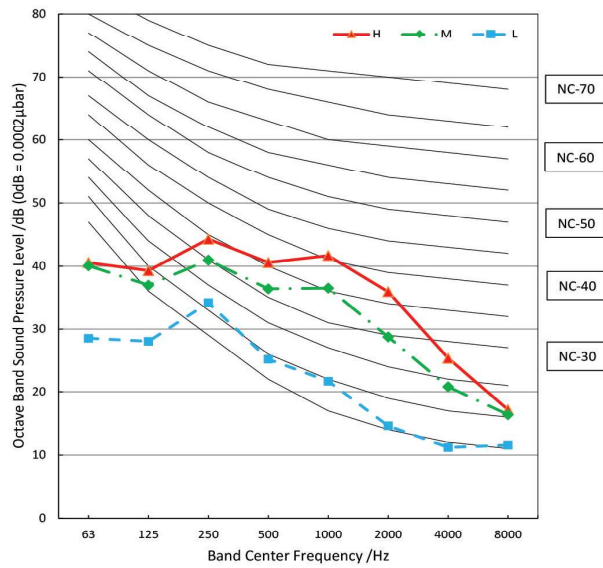
CDHAS26BB-12-I



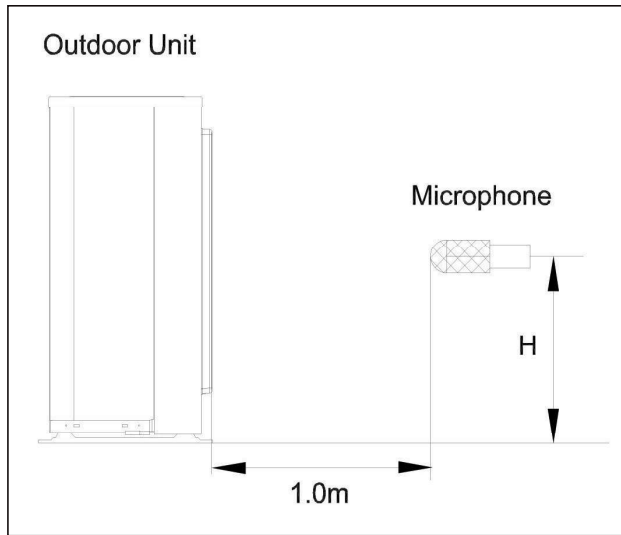
CDHAS26BB18-I



CDHAS26BB-24-I



10.2. Outdoor Unit

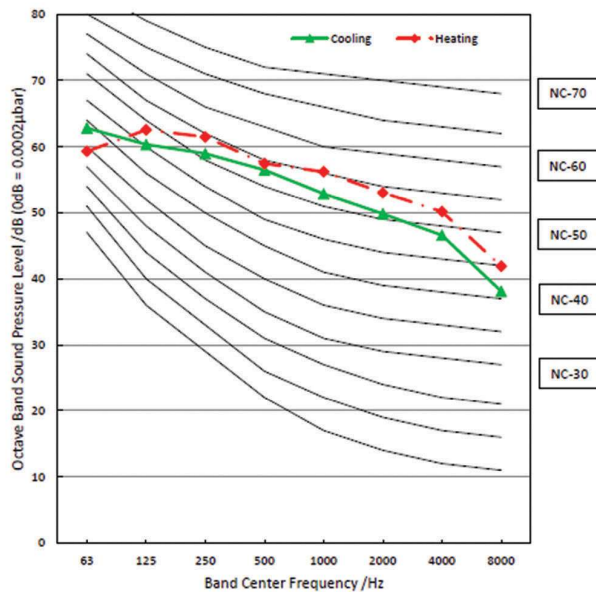


$H = 0.5 \times \text{height of outdoor unit}$

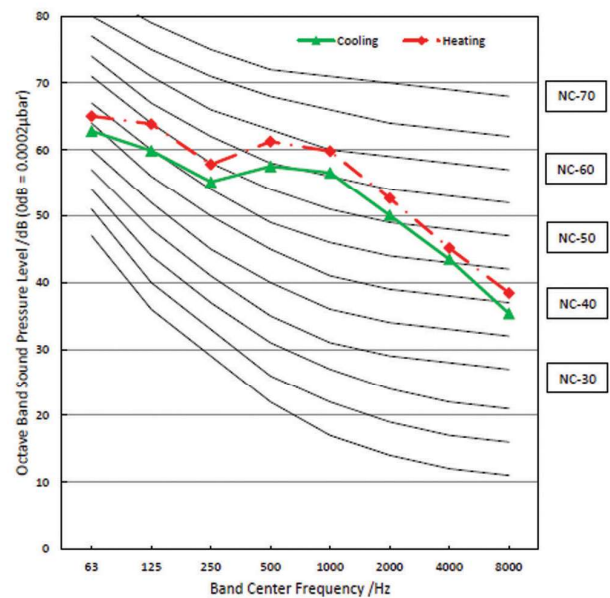
Notes:

- Sound measured at 1.0m away from the center of the unit.
- Data is valid at free field condition
- Data is valid at nominal operation condition
- Reference acoustic pressure $O_{dB} = 20\mu Pa$
- Sound level will vary depending on arrangement of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

CDHAMBB-27-O



CDHAMBB-36-O



Notes

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MANUEL TECHNIQUE

SYSTÈME MULTIZONE MINI-SPLIT APPAREIL MURAL

Modèles :

CDHAS22B | CDHAS26B | CDHAMB-27-O | CDHAMB-36-O



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1. Référence du modèle

Veuillez consulter le tableau suivant pour déterminer le numéro de modèle spécifique de l'unité intérieure et extérieure de votre équipement acheté.

Unité intérieure		Unité extérieure	Alimentation
Série haut de gamme appareil mural	CDHAS22BB-09-I	CDHAMBB-27-O CDHAMBB-36-O	1Phase, 208/230V~, 60Hz
	CDHAS22BB-12-I		
	CDHAS22BB-18-I		
	CDHAS22BB-24-I		
Série ultime appareil mural	CDHAS26BB-12-I		
	CDHAS26BB-18-I		
	CDHAS26BB-24-I		

2. Apparence extérieure

2.1. Unité intérieure

- Type appareil mural - CDHAS26B
- Type appareil mural CDHAS22B



2.2. Unité extérieure

- Unité extérieure à un seul ventilateur



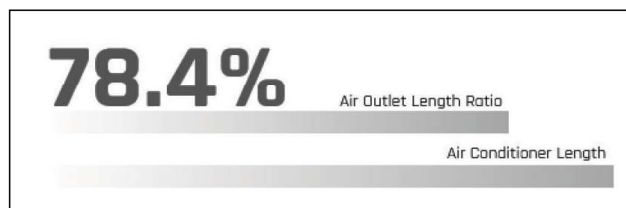
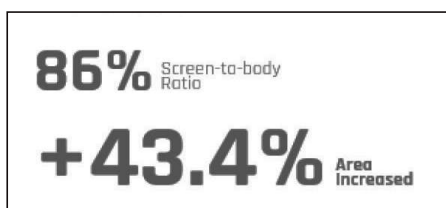
3. Fonctions

3.1. Appareil mural ultime

3.1.1. Corps compact, meilleure efficacité

795mm * 295mm. Grâce à la reconstruction, une machine plus petite mais plus robuste a été conçue. Une norme d'efficacité énergétique supérieure est atteinte.

3.1.2. Espace libéré pour plus d'air entrant et sortant



3.1.3. Distance plus courte requise, pour plus de flexibilité à apprécier.

Grâce à l'agrandissement de l'entrée d'air, le climatiseur fonctionne en douceur avec un faible niveau sonore et une capacité de refroidissement suffisante même lorsqu'il est fixé près du plafond.

<i>To Ceiling Distance Required</i>	
Ordinary AC	ALL EASY Pro
15 ~ 20cm	5cm

3.1.4. Démontage facile

Grâce au design Snap-and-Snap des loquets, nous éliminons le tracass des 7 vis ou plus à différents endroits d'une unité intérieure typique à démonter.

Le processus complet de démontage ne vous prend qu'une minute

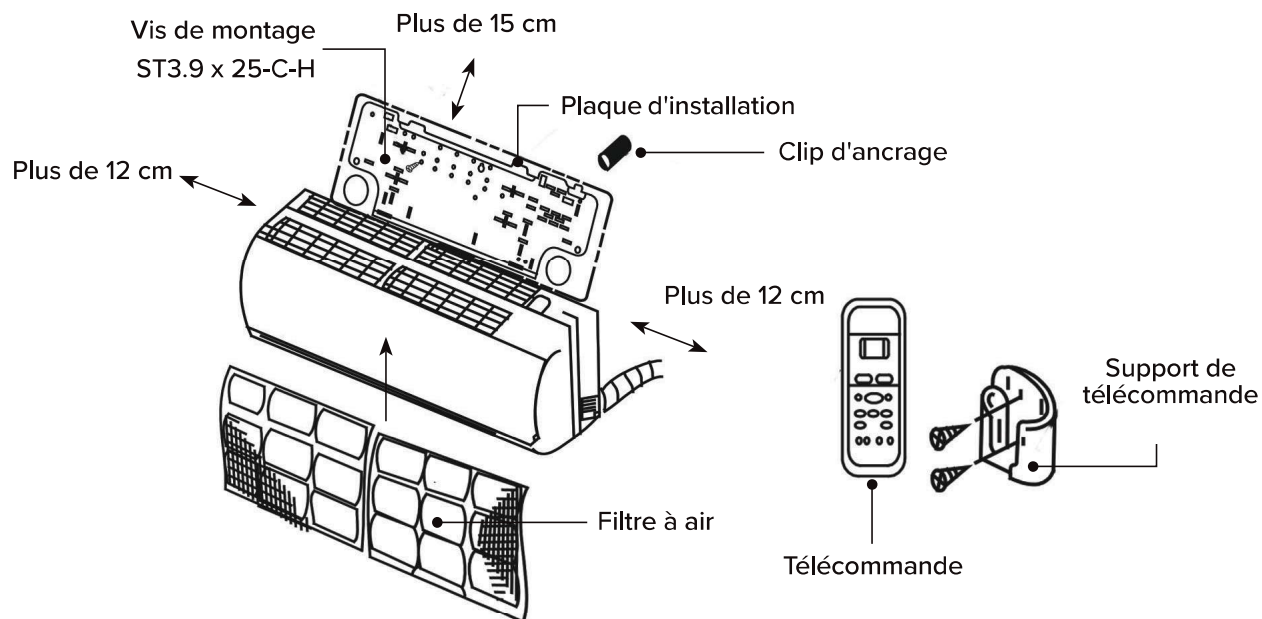
3.1.5. Nettoyage facile – Nettoyage rapide par le haut

Grâce au design Mag Pull – 6 connecteurs magnétiques ronds sur le filtre, le filtre du couvercle supérieur peut être facilement retiré et remis en place en un simple « clic » doux. Le processus complet ne soulève aucune poussière.

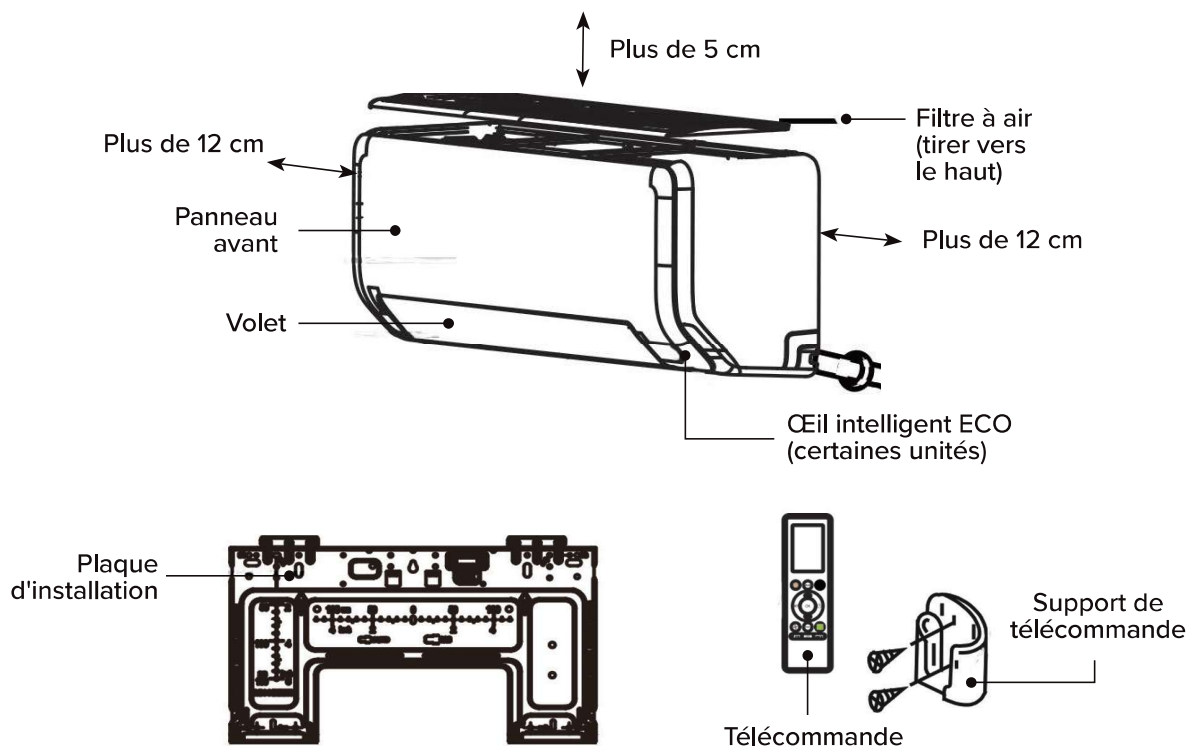
Plus besoin de vous embêter à ouvrir le panneau avant. Nettoyez votre filtre aussi souvent que vous le souhaitez.

4. Noms des pièces des unités intérieures

4.1. Type appareil mural CDHAS22B



4.2. Type appareil mural CDHAS26B



5. Combinaison d'unités intérieures

Unité extérieure multizone		Unités intérieures disponibles	Une unité	Deux unités	Trois unités	Quatre unités
Hyper 1 Drive 4	CDHAMBB-27-O	Appareil mural 9K/12K/18K/24K	24	6+18	6+6+6	6+6+6+6
				6+24	6+6+9	6+6+6+9
				9+9	6+6+12	6+6+6+12
				9+12	6+6+18	6+6+6+18
				9+18	6+6+24	6+6+6+24
				9+24	6+9+9	6+6+9+9
				12+12	6+9+12	6+6+9+12
				12+18	6+9+18	6+6+9+18
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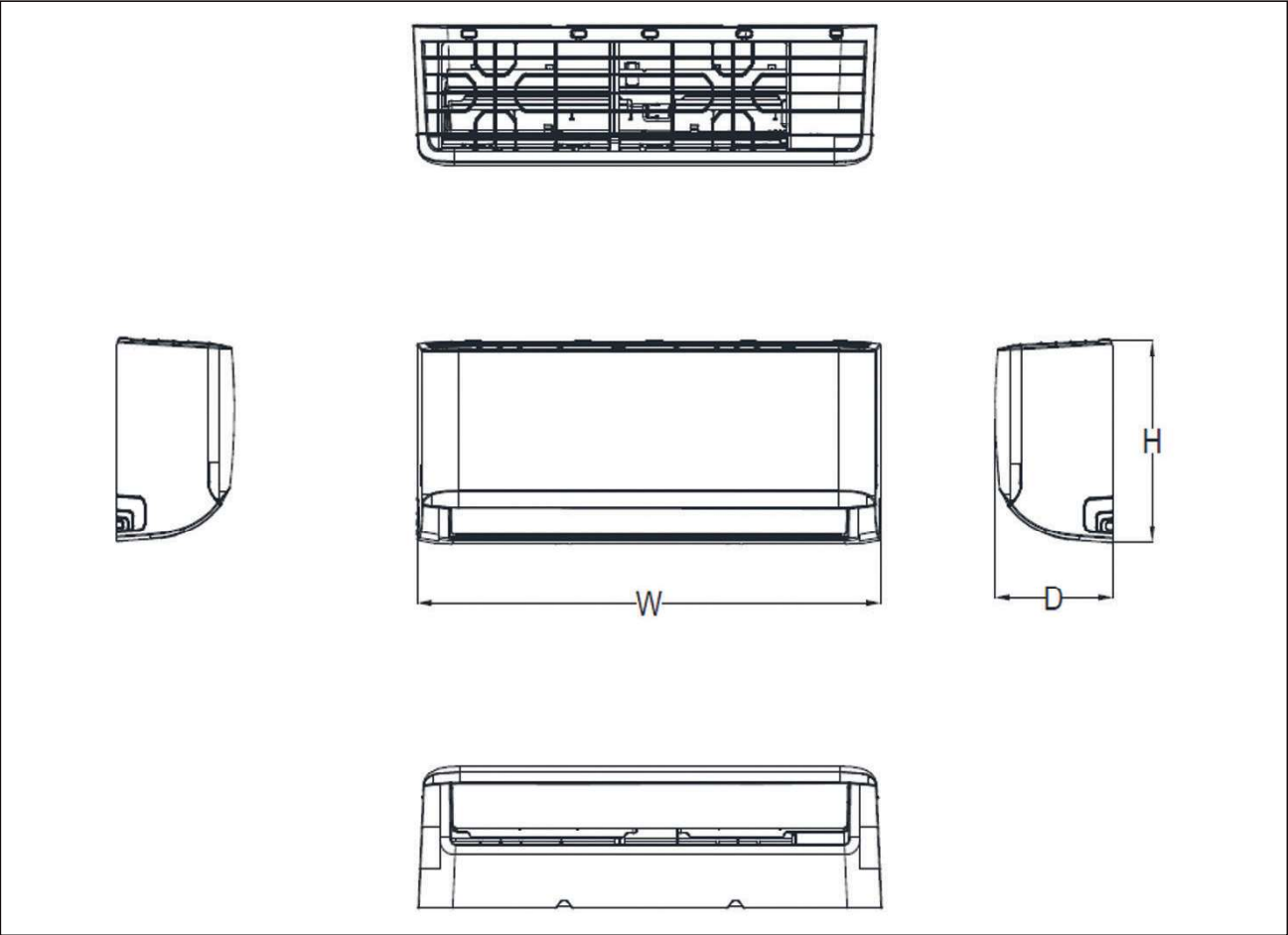
Unité extérieure multizone		Unités intérieures disponibles	Combinaison optionnelle				
			Une unité	Deux unités	Trois unités	Quatre unités	Cinq unités
Hyper 1 Drive 5	CDHAMBB-36-O	Appareil mural K/12K/18K/24K	33	6+24	6+6+12	Quatre unités	6+6+6+6+6
				6+33	6+6+18	6+6+6+6	6+6+6+6+9
				9+18	6+6+24	6+6+6+9	6+6+6+6+12
				9+24	6+6+33	6+6+6+12	6+6+6+6+18
				9+33	6+9+9	6+6+6+18	6+6+6+9+9
				12+12	6+9+12	6+6+6+24	6+6+6+9+12
				12+18	6+9+18	6+6+9+9	6+6+6+9+18
				12+24	6+9+24	6+6+9+12	6+6+6+12+12
				12+33	6+12+12	6+6+9+18	6+6+6+12+18
				18+18	6+12+18	6+6+9+24	6+6+9+9+9
				18+24	6+12+24	6+6+12+12	6+6+9+9+12
				24+24	6+18+18	6+6+12+18	6+6+9+9+18
					6+18+24	6+6+12+24	6+6+9+12+12
					9+9+9	6+6+18+18	6+6+12+12+12
					9+9+12	6+6+18+24	6+9+9+9+9
					9+9+18	6+9+9+9	6+9+9+9+12
					9+9+24	6+9+9+12	6+9+9+12+12
					9+12+12	6+9+9+18	9+9+9+9+9
					9+12+18	6+9+9+24	9+9+9+9+12
					9+12+24	6+9+12+12	
					9+18+18	6+9+12+18	
					9+18+24	6+9+12+24	
					12+12+12	6+9+18+18	
					12+12+18	6+9+18+24	
					12+12+24	6+12+12+12	
					12+18+18	6+12+12+18	
					12+18+24	6+12+12+24	
					18+18+18	6+12+18+18	
						6+12+18+24	
						6+18+18+18	
						9+9+9+9	
						9+9+9+12	
						9+9+9+18	
						9+9+9+24	
						9+9+12+12	
						9+9+12+18	
						9+9+12+24	

Unité extérieure multizone		Unités intérieures disponibles	Combinaison optionnelle				
			Une unité	Deux unités	Trois unités	Quatre unités	Cinq unités
						9+9+18+18	
						9+9+18+24	
						9+12+12+12	
						9+12+12+18	
						9+12+12+24	
						9+12+18+18	
						9+18+18+18	
						12+12+12+12	
						12+12+12+18	
						12+12+12+24	
						12+12+18+18	

6. Dessins dimensionnels

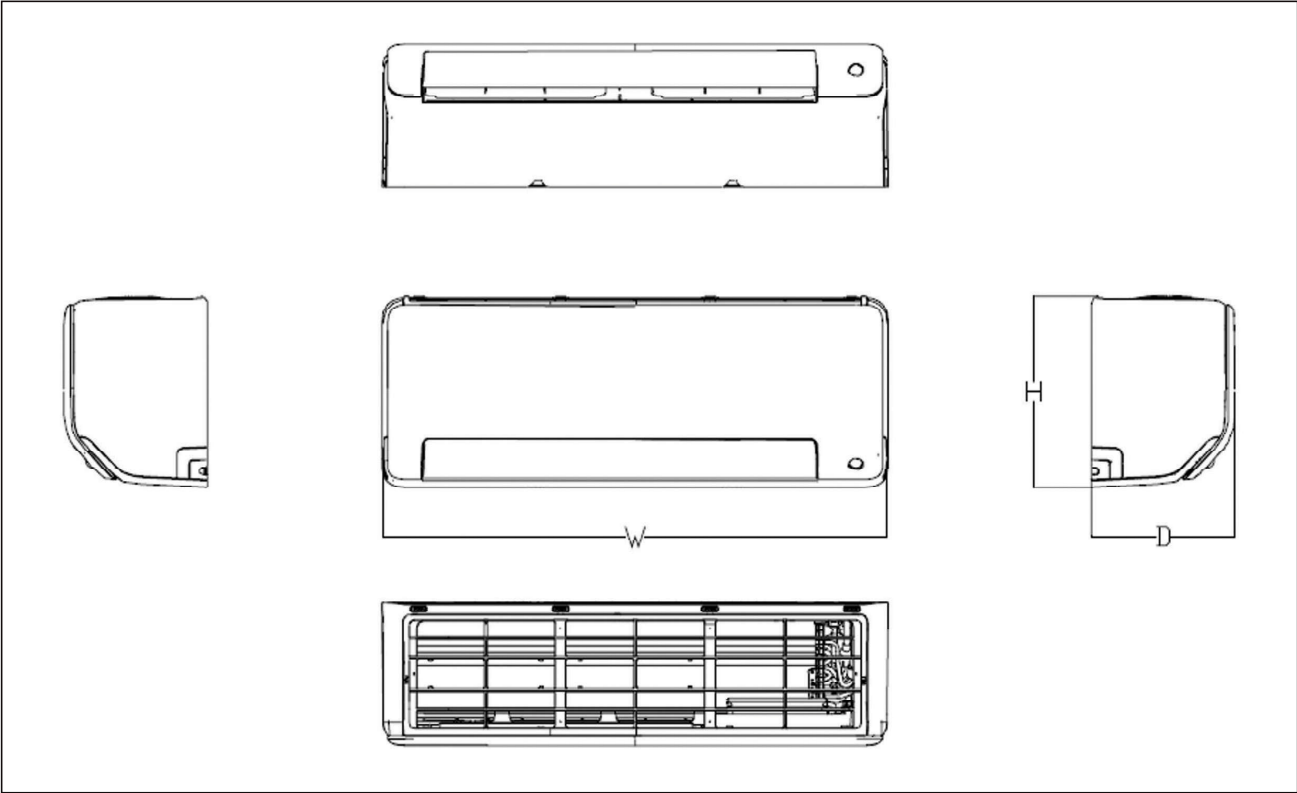
6.1. Unité intérieure

6.1.1. Appareil mural haut de gamme



Modèle (kBtu/h)	L (mm/po)	P (mm/po)	H (mm/po)
6	729/28.7	200/7.87	292/11.5
9~12	802/31.57	200/7.87	295/11.61
18~24	1082/42.6	234/9.21	337/13.27
33	1259/49.57	1259/49.57	362/14.25

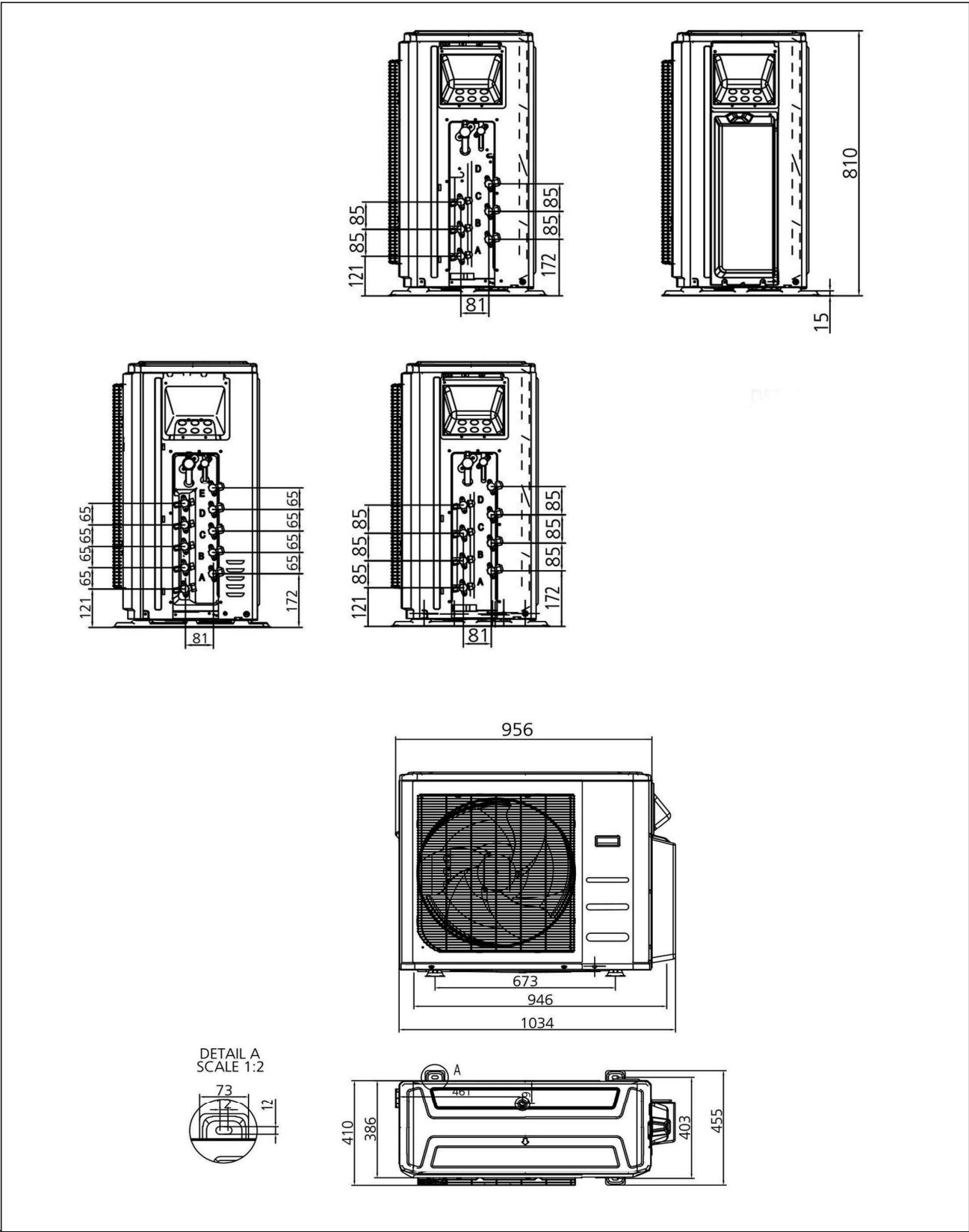
6.1.2. Appareil mural ultime



Modèle (kBtu/h)	L (mm/po)	P (mm/po)	H (mm/po)
6k~12k	795/31.3	225/8.86	295/11.61
18k	965/38	239/9.41	319/12.56
24k~33k	1140/44.88	275/10.83	370/14.57

6.2. Unité extérieure

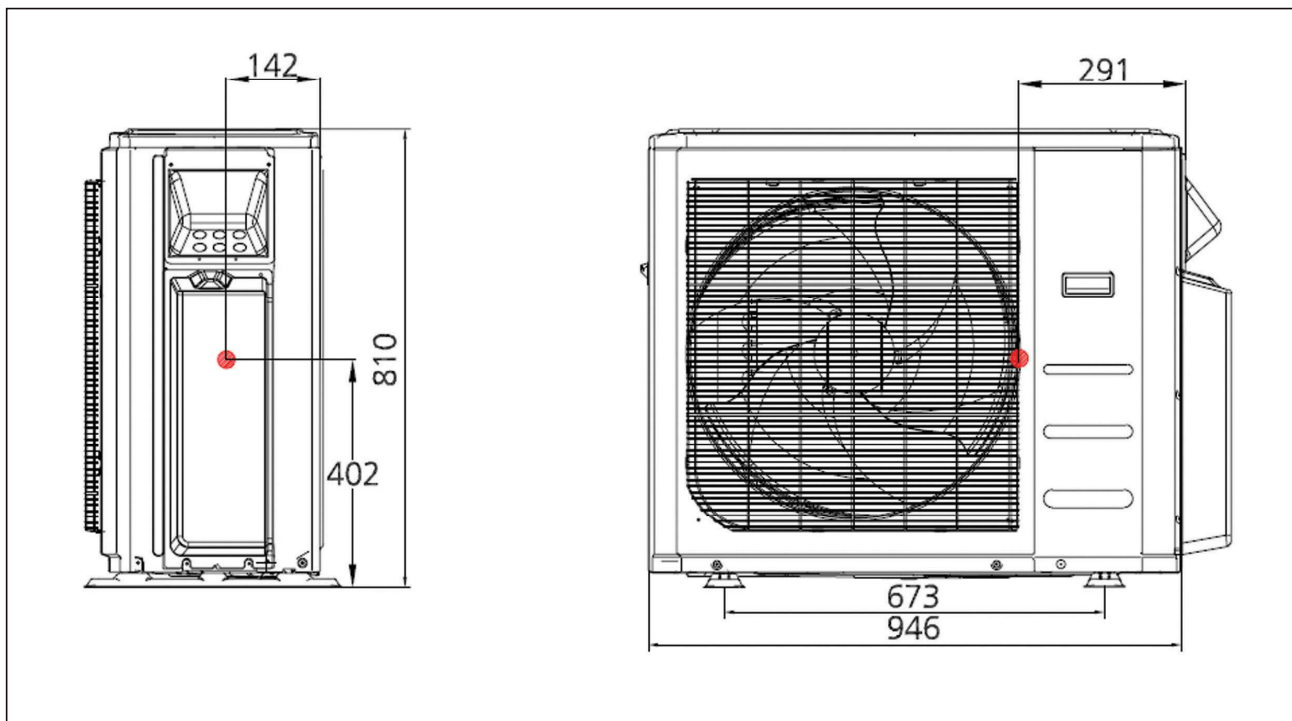
6.2.1. CDHAMBB-27-O



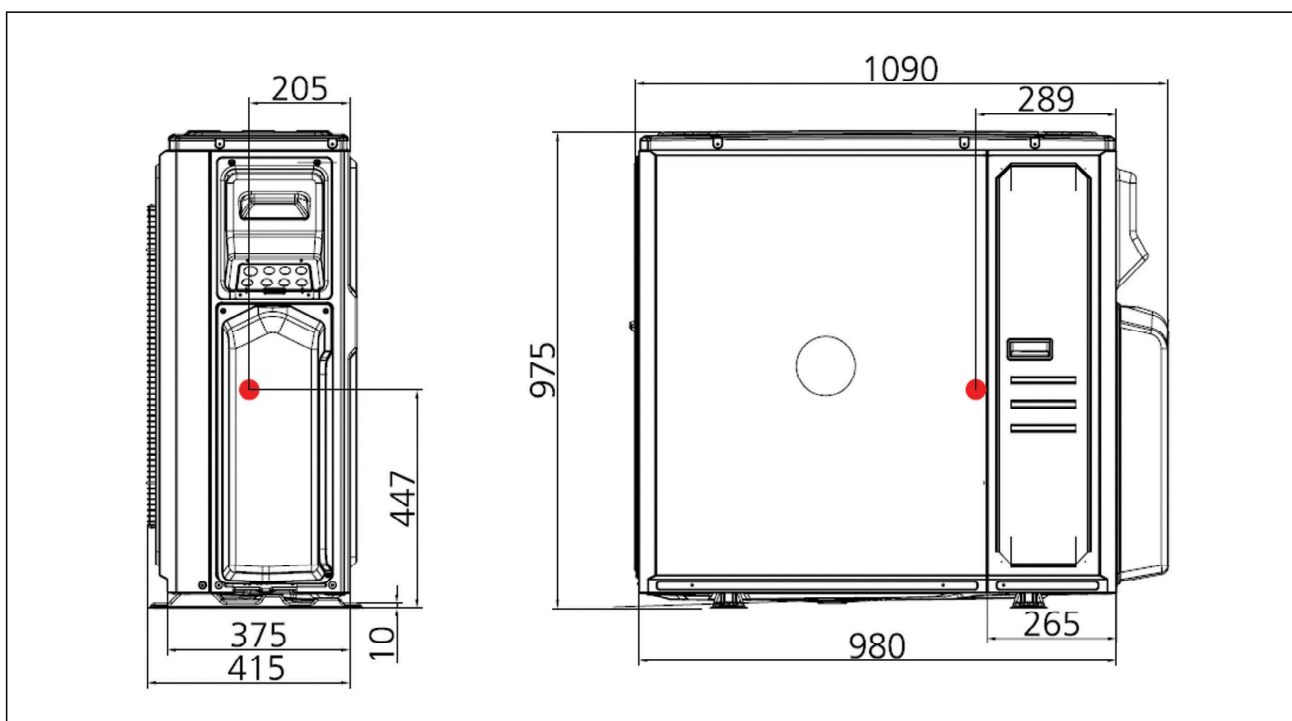
[illegible]

7. Centre de gravité

7.1. CDHAMBB-27-O



7.2. CDHAMBB-36-O

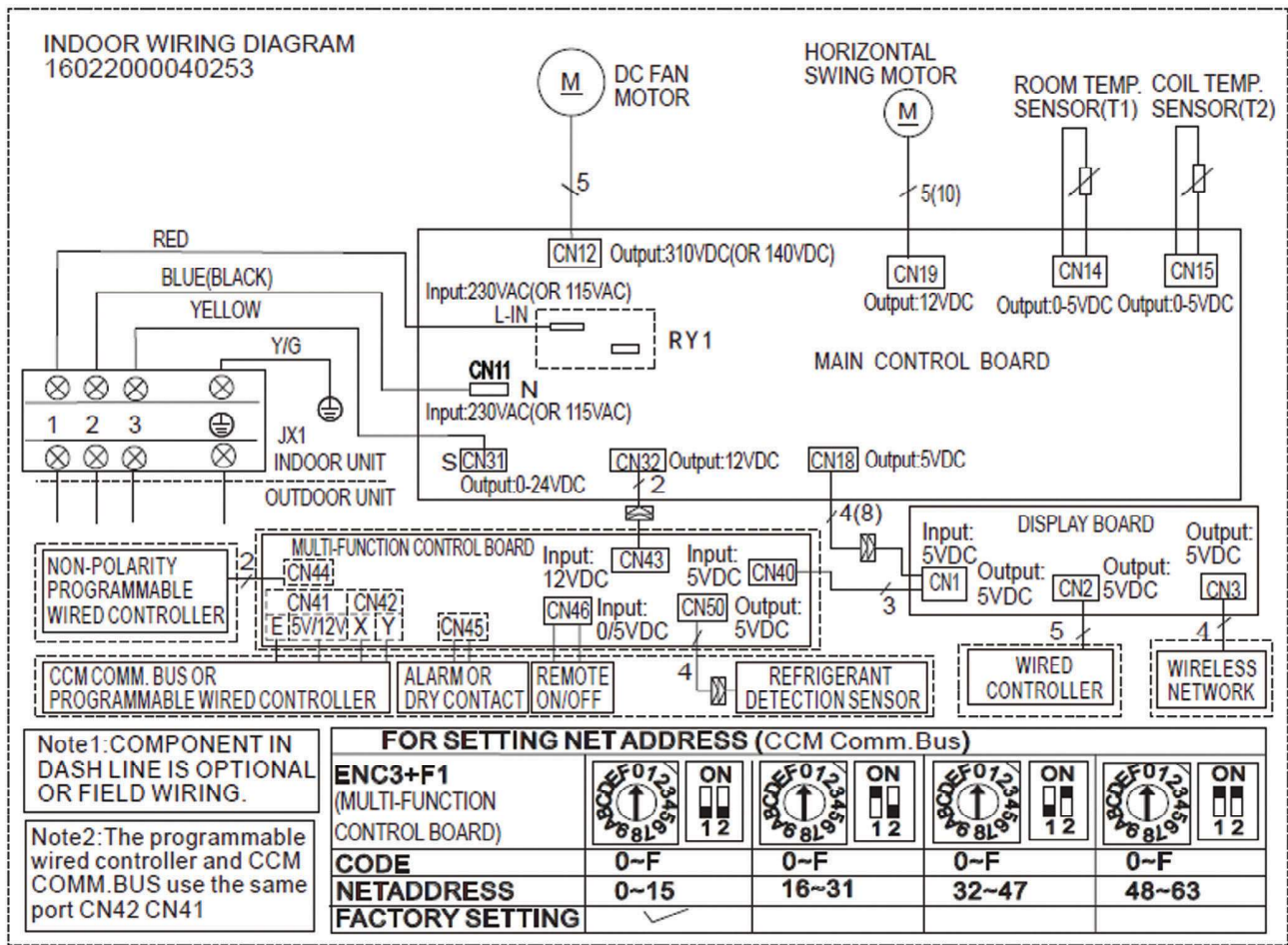


8. Schémas de câblage électrique

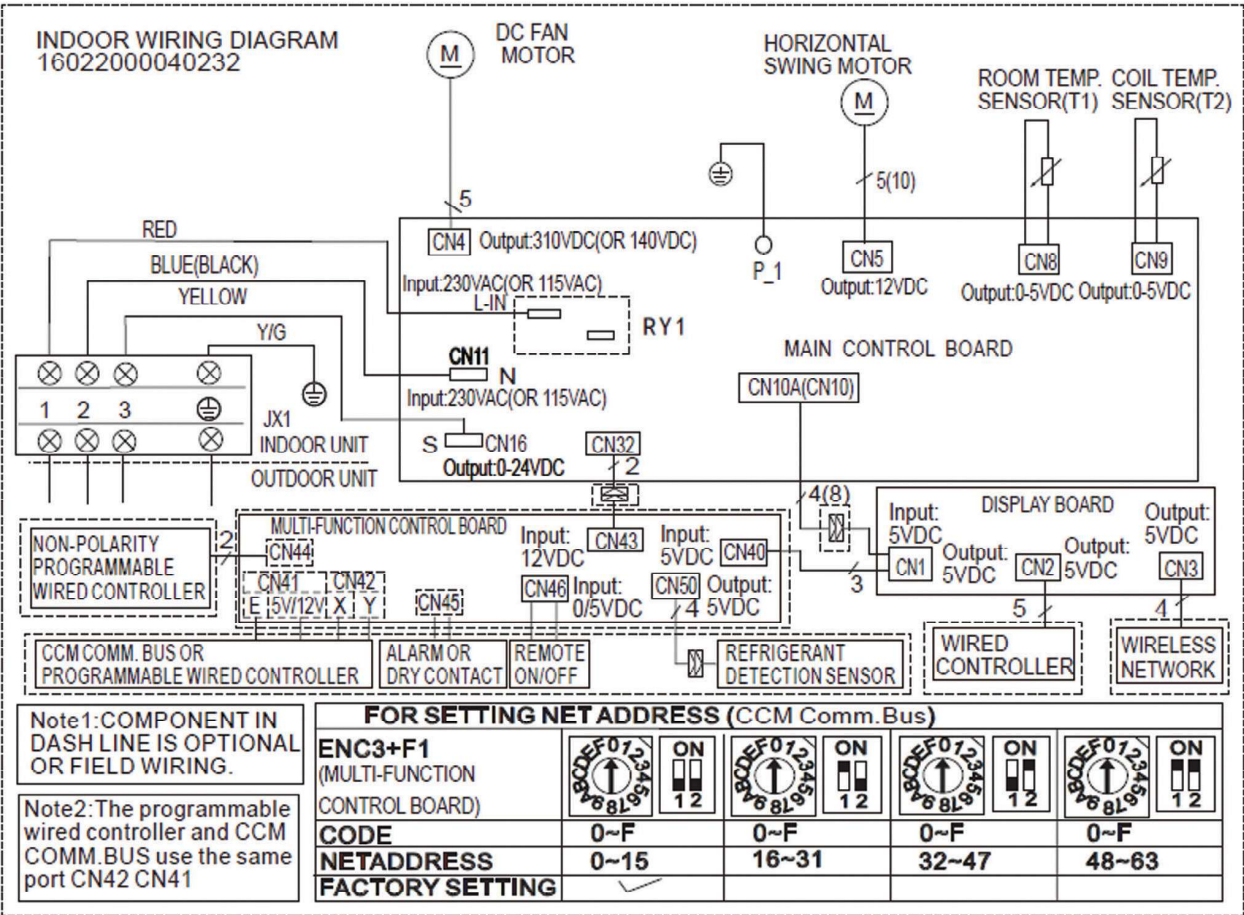
8.1. Unité intérieure

8.1.1. Appareil mural haut de gamme

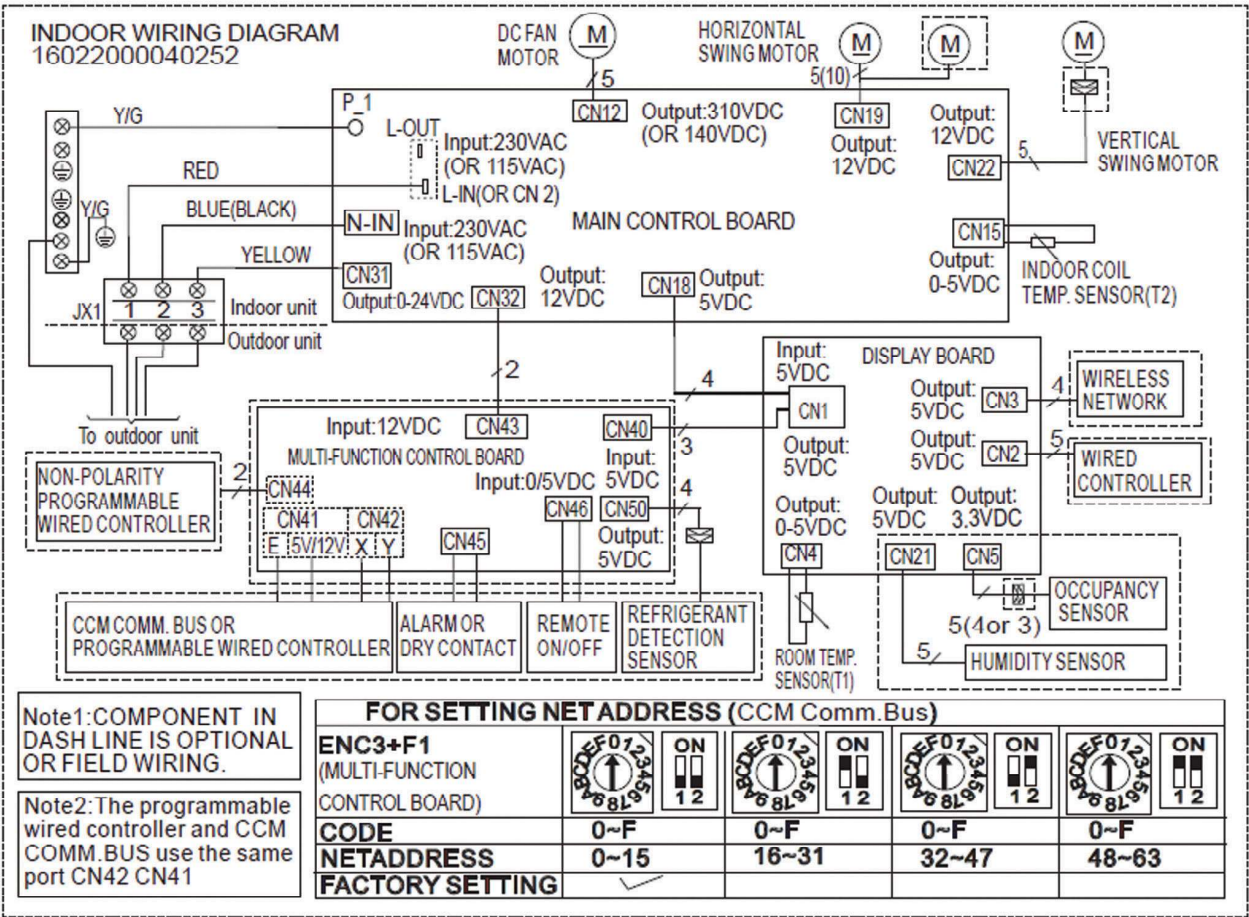
6k-12k



18k~33k

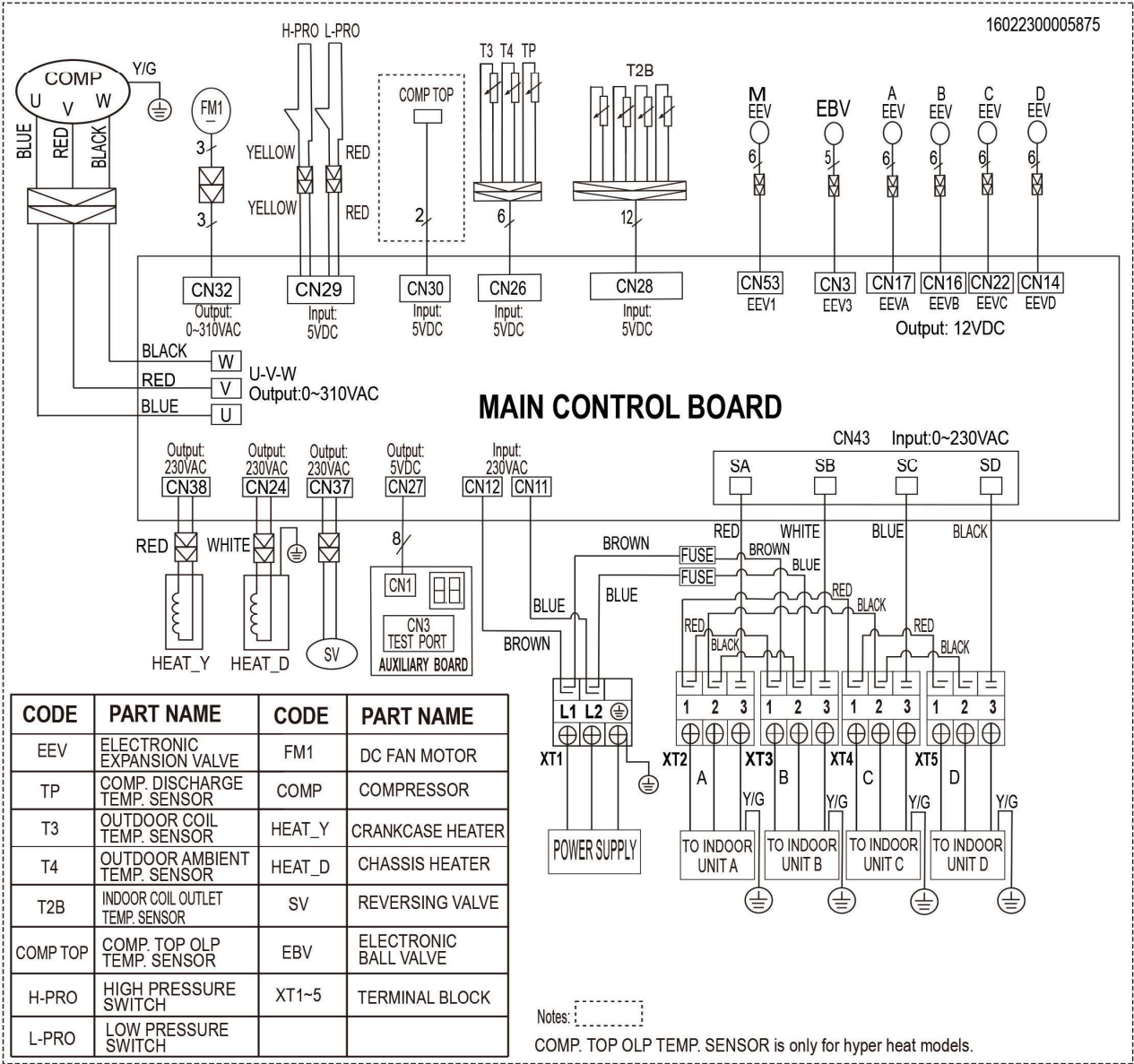


8.1.2. Appareil mural ultime

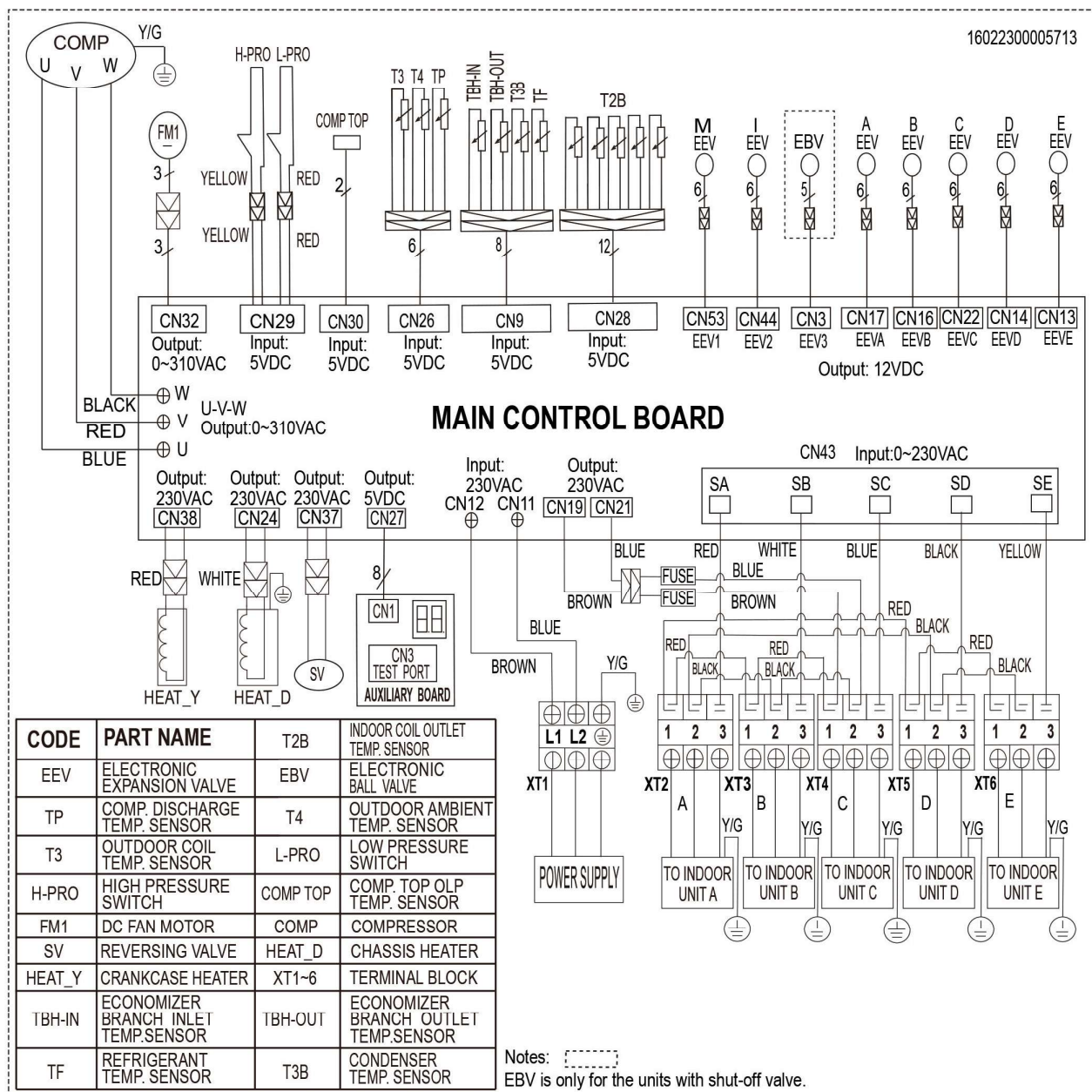


8.2. Unité extérieure

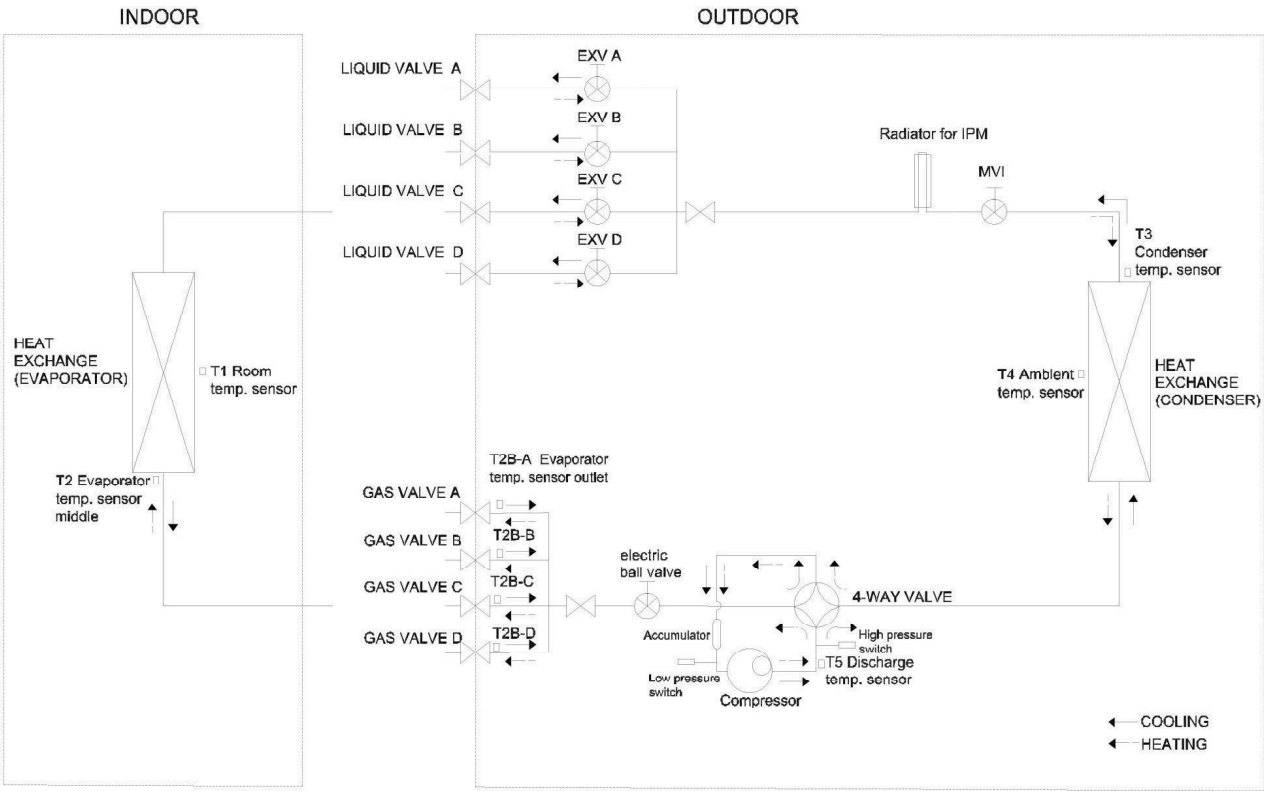
8.2.1. CDHAMBB-27-O



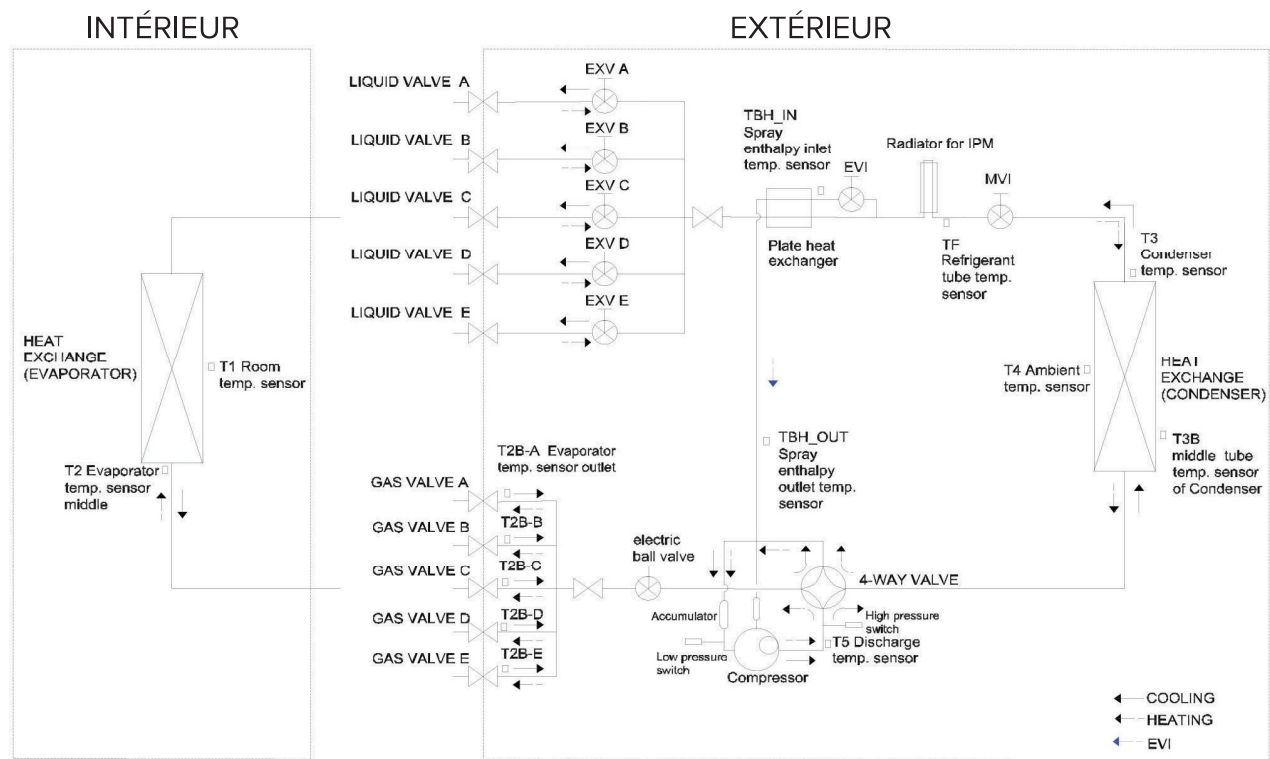
8.2.2. CDHAMBB-36-O



9. Schémas du cycle de réfrigération



Modèle	Taille du tuyau (diamètre : ø)		Longueur de tuyauterie (m)			Élévation		Réfrigérant supplémentaire
			Nominal	Max				
	Gaz	Liquide			Monozone	Total	IDU et ODU	
CDHAMBB-27-O	3x9.52 + 1x12.7	4x6.35	30	35	80	15	10	15g/m

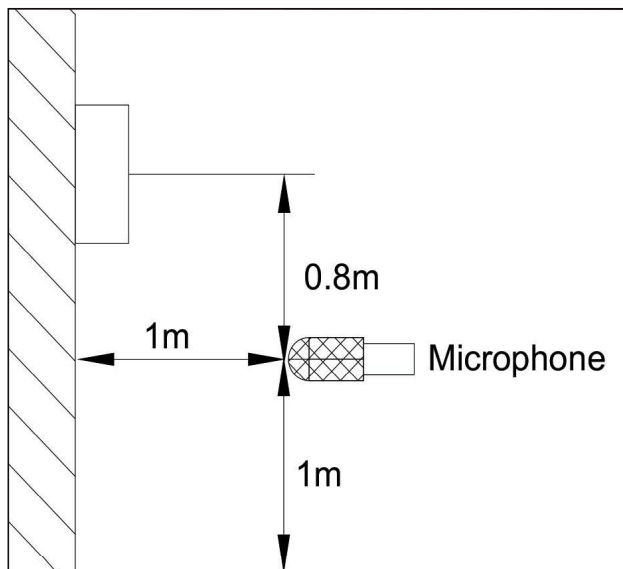


Modèle	Taille du tuyau (diamètre : ø)		Longueur de tuyauterie (m)			Élévation		Réfrigérant supplémentaire
			Nominal	Max				
	Gaz	Liquide			Monozone	Total	IDU et ODU	
NDHAMBB-36-O	3x9.52 + 2x12.7	5x6.35	37.5	35	80	15	10	15g/m

10. Courbes de critère de bruit

10.1. Unité intérieure

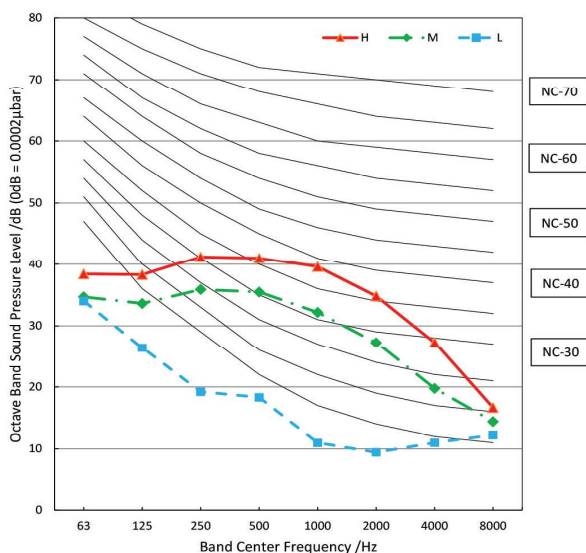
10.1.1. Types muraux hauts



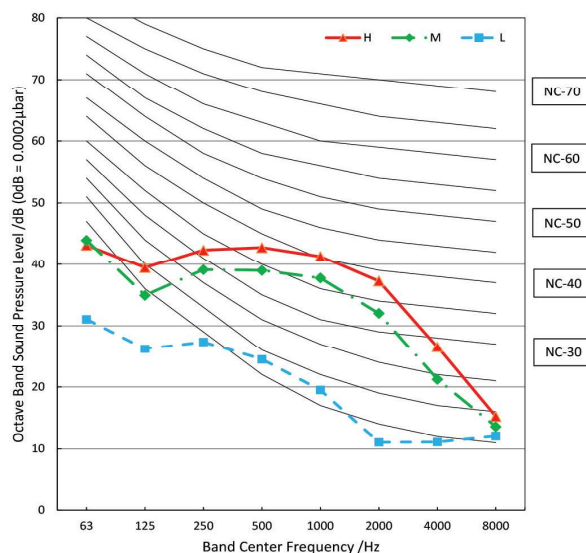
Remarques :

- Le son est mesuré à 1,0 mètre du centre de l'unité.
- Les données sont valides dans des conditions de fonctionnement nominales.
- Pression acoustique de référence 0 dB = 20 μ Pa
- Le niveau sonore variera selon divers facteurs, tels que la construction (coefficient d'absorption acoustique) de la pièce particulière où l'équipement est installé.
- Les conditions de fonctionnement sont supposées être standards.

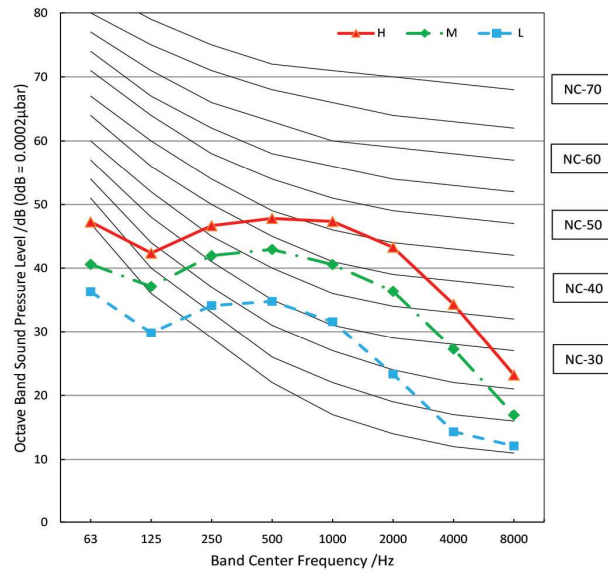
CDHAS22BB-12-I



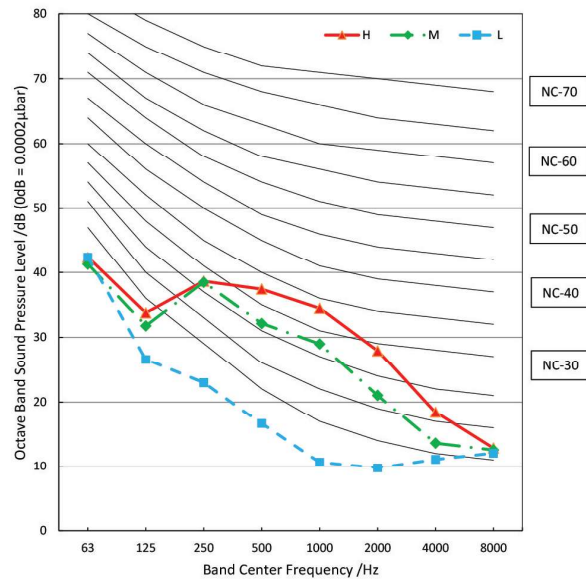
CDHAS22BB-18-I



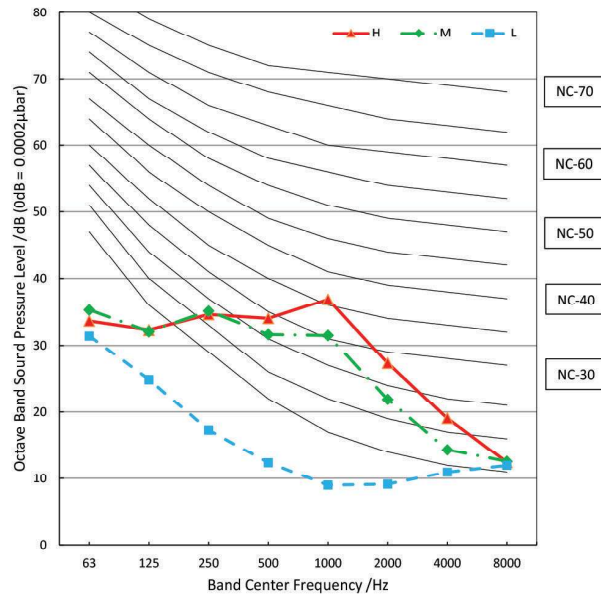
CDHAS22BB-24-I



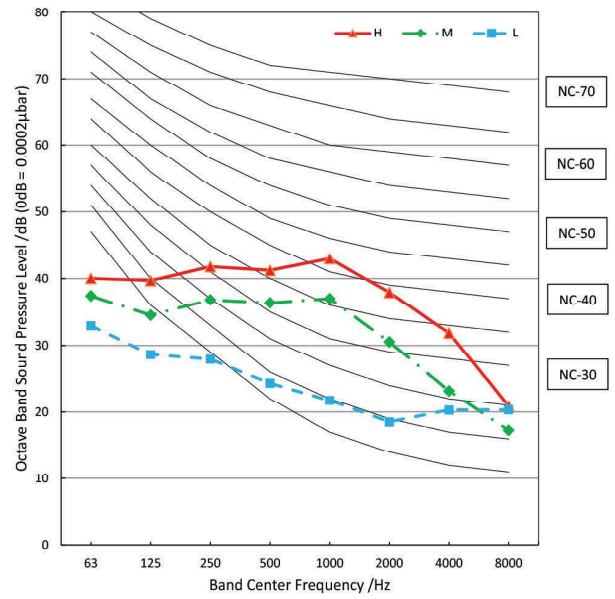
CDHAS26BB-09-I



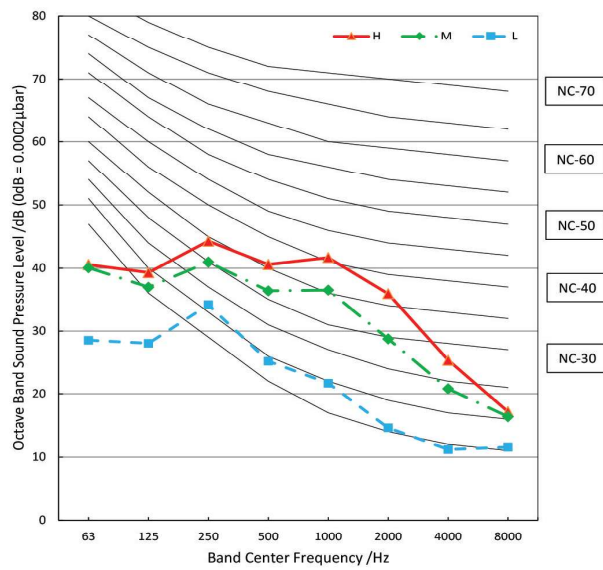
CDHAS26BB-12-I



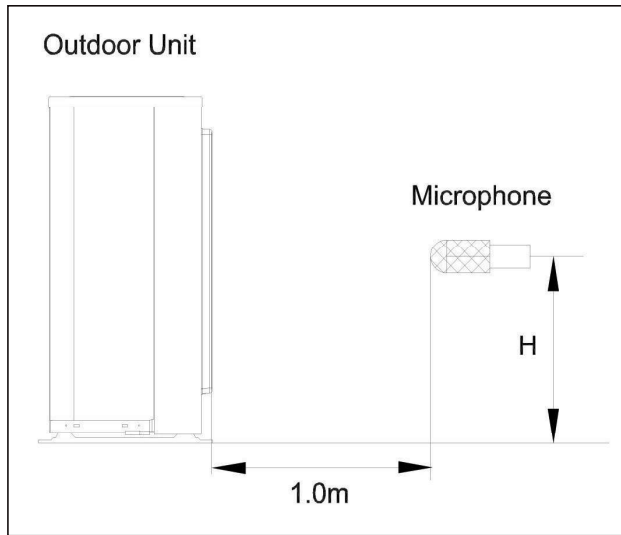
CDHAS26BB18-I



CDHAS26BB-24-I



10.2. Unité extérieure

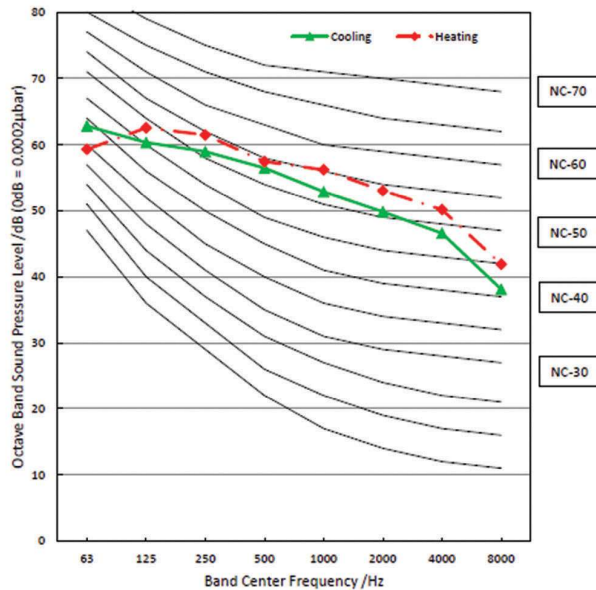


$H = 0,5 \times \text{hauteur de l'unité extérieure}$

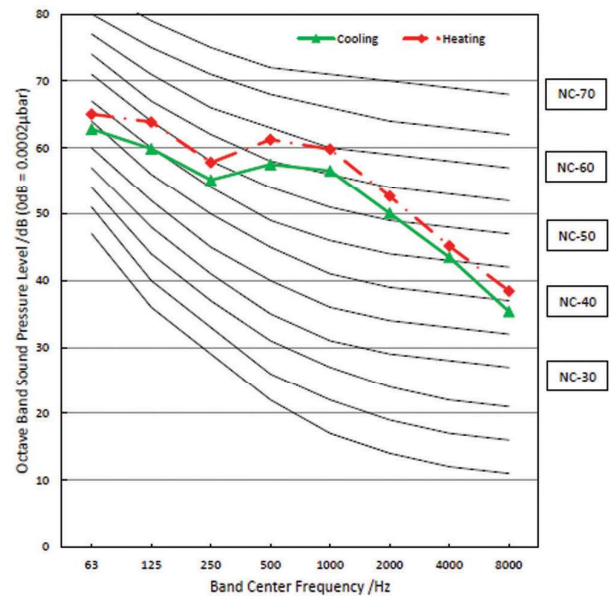
Remarques :

- Le son est mesuré à 1,0 mètre du centre de l'unité.
- Les données sont valides en champ libre.
- Les données sont valides dans des conditions de fonctionnement nominales.
- Pression acoustique de référence $0 \text{ dB} = 20 \mu\text{Pa}$
- Le niveau sonore variera selon divers facteurs, tels que la construction (coefficient d'absorption acoustique) de la pièce particulière où l'équipement est installé.
- Les conditions de fonctionnement sont supposées être standards.

CDHAMBB-27-O



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