

**2024**  
**CLIMATISEURS**

Solution CVC LG





# VOUS N'ÊTES PAS TOUT SEUL...



THERMO COMFORT  
A DIVISION OF ENGELS GROUP



Engels Group BV a été fondée à Anvers en 1927. Après avoir été établis pendant 95 ans au Paardenmarkt à Anvers, nous avons déménagé en mai 2022 à notre nouveau centre de distribution à Malle.



Avec 80 employés nous réalisons un chiffre d'affaires de plus de 50 millions d'euros. Thermo Comfort est actif dans quatre domaines : le chauffage électrique (depuis 1967), les pompes à chaleur (depuis 1992), la climatisation (depuis 2001) et l'énergie renouvelable (depuis 2012). Nous sommes parmi les meilleurs en Belgique dans ce domaine.

Nous distribuons une sélection de grandes marques en CVC : Dimplex (pompes à chaleur et chauffage électrique), LG (pompes à chaleur et climatisation), Innova (pompes à chaleur et climatisation), Kaysun (climatisation), Thermor (convecteurs et chauffe-eaux), Frico (rideaux d'air, radiants et aérothermes) et Aquaplex (pompes à chaleur pour piscines).

Avec Thermo Comfort nous nous concentrons aussi sur les énergies renouvelables comme les batteries Accubat, les pompes à chaleur, E-Power, les panneaux photovoltaïques Flexipanel et les bornes de recharge.

Comme client, vous bénéficiez de notre bureau d'études, notre service technique et notre propre service de livraisons en Belgique et Luxembourg. Nous organisons aussi des formations sur les pompes à chaleur et systèmes VRF dans notre académie. Nous mettons tout en œuvre pour vous apporter un soutien optimale.



## ÉTUDES, CONSEILS TECHNIQUES...

### ÉTUDES, CALCULS, INSTALLATION... NOUS NOUS FAISONS UN PLAISIR DE VOUS CONSEILLER

Nos spécialistes vous aident volontiers lors de vos adjudications, de la préparation d'une installation et du choix des bons appareils. Le calcul précis des besoins de refroidissement et de chauffage et des puissances ad hoc fait également partie de notre service gratuit. Vous souhaitez utiliser notre logiciel pour vos propres calculs et un premier projet de système ?

Nous le mettons gratuitement à votre disposition. Et puis nous vous conseillons également lors de la mise en œuvre. À chaque étape de votre projet, vous pouvez compter sur notre assistance sans que cela vous coûte un euro de plus ! Pour en savoir plus, composez le +32 3 231 88 84.



## SERVICE

### DES GARANTIES SOLIDES. UN SERVICE CLIENTÈLE ACTIF

Une qualité durable : voilà ce que garantit Thermo Comfort ! Tous les appareils sont fabriqués dans des matériaux soigneusement sélectionnés et testés. Nous effectuons des contrôles poussés, tant pendant le processus de fabrication qu'au niveau du produit fini. Grâce à cette qualité totale, nous pouvons offrir des garanties fiables et longue durée sur nos produits. Vous apportez à vos clients une sécurité maximale sans prendre vous-même le moindre risque. Quoi qu'il arrive à l'appareil, Thermo Comfort offre une solution. Notre service clientèle compte 11 collaborateurs, qui assurent la gestion des pièces détachées, les réparations à domicile ou sur chantier... Nous avons également nos propres frigoristes.



## LIVRAISONS

### CHAUFFEUR COMPRIS !

Engels Group dispose de son propre service de transport, qui assure les livraisons partout en Belgique et Luxembourg. Chaque jour, ce sont 12 camions qui sillonnent les routes pour vous. Grâce à notre service de transport, nous pouvons vous assurer un approvisionnement et une communication rapides.



### ... ET MÊME UN CONSEILLER PERSONNEL !

Onze buitendienstmedewerker voor uw regio is uw persoonlijke raadgever. Bij hem of haar kunt u terecht met al uw vragen rond techniek, verkoop en klantenservice. Met zijn stimulerende informatie over productlanceringen en promotionele acties brengt hij of zij u voortdurend op creatieve ideeën die de groei van uw omzet en winst bevorderen. We bieden ook ondersteuning aan studie- en adviesbureaus.



## SÉMINAIRES PROFESSIONNELS

### VOTRE CONNAISSANCE DES PRODUITS RESTE À NIVEAU !

Pendant toute l'année, Thermo Comfort organise des cours et des ateliers. Nos partenaires du commerce spécialisé y participent avec enthousiasme. C'est pour eux la manière idéale d'accroître leur savoir-faire dans le domaine des nouvelles technologies, des produits et des applications. Pour rester au top, il faut toujours être à la page.

Grâce à cette formation continue, vous maintenez votre connaissance des produits à niveau et pouvez ainsi continuer à assurer un excellent service à vos clients. Pour en savoir plus, il vous suffit de composer le +32 3 231 88 84.



## STATE OF THE ART SHOWROOM

### UNE SALLE D'EXPOSITION ATTRAYANTE, UNE MEILLEURE COMMUNICATION

Vous voulez attirer l'attention de vos clients ? Et les convaincre de la qualité de vos produits et de votre service ? Vous pouvez gratuitement utiliser notre showroom professionnel de 2.500 m<sup>2</sup> où on vous accueille dans notre univers d'applications CVC que nous pouvons vous offrir à ce jour. Un grand nombre d'appareils qui sont exposés sont opérationnels, ce qui permet à vos clients de les voir, entendre et ressentir leur fonctionnement.



## LOGISTIQUE

### UNE SURFACE DE 72.000 M<sup>2</sup>

Le processus se fait entièrement en interne. De notre niveau site a Malle avec une surface de 72.000 m<sup>2</sup> partent tous les jours 12 de nos propres camions vers nos clients. Notre propre équipe de transport est pour notre organisation le synonyme de rapidité, flexibilité et qualité avec une marge d'erreur minimale. Selon les régions et les accords conclus, nous pouvons vous livrer deux fois par semaine.



## ENLEVER DES COMMANDES

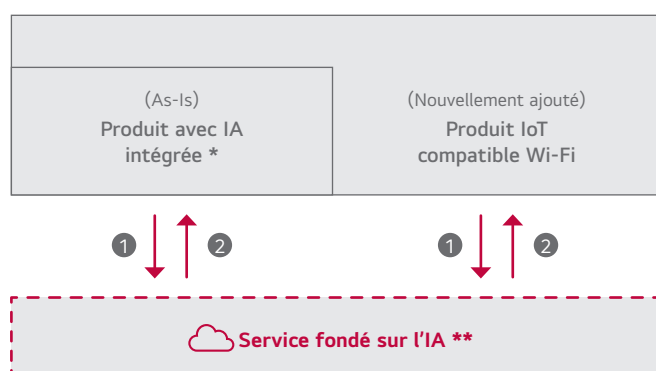
Vous pouvez aussi enlever vos commandes. On les prépare dans 3 conteneurs où vous pouvez retirer votre commande à n'importe quel moment (aussi en dehors des horaires d'ouverture). Avec un code personnel, vous avez accès à ces conteneurs. Nous vous demandons seulement d'effectuer vos commandes 24 heures à l'avance.



# Amélioré avec ThinQ™

La plupart des gens menant une vie plus trépidante que jamais, nous sommes conscients des avantages potentiels considérables que les nouvelles technologies apporteront à domicile. ThinQ relie les produits intelligents entre eux afin qu'ils puissent fonctionner à l'unisson pour rendre votre habitation plus intelligente et plus connectée. De nouveaux niveaux de contrôle et de commodité simplifient la vie quotidienne et libèrent du temps pour que vous puissiez vous concentrer sur ce qui compte. En outre, les fonctionnalités et les services innovants dotés d'intelligence artificielle feront franchir une nouvelle étape à l'évolution de la maison. ThinQ fournira des solutions plus personnalisées et optimisées en apprenant vos besoins et vos préférences grâce à sa large gamme de produits. En faire plus tout en en faisant moins. La solution personnalisée, les conseils proactifs, l'efficacité maximale et le contrôle intuitif de ThinQ offrent un style de vie amélioré, plus intelligent.

LG assure que ses offres intelligentes, ses produits et services fondés sur l'IA ouvrent la perspective de nouveaux rôles pour les maisons, qui peuvent jouer un rôle important en faveur d'une vie vraiment intelligente. Réfléchissez avec sagesse. Soyez libres.



- 1 Comprendre les utilisateurs grâce à la collecte de données
- 2 Fournir des conseils et des solutions grâce à l'analyse des données d'IA

\* Exigence précédente des produits ThinQ : produits en évolution constante avec intelligence vocale / visuelle / du produit

\*\* Exemples de services fondés sur l'IA : - le guide d'utilisation / les conseils, la maintenance prédictive, le réglage automatique / semi-automatique (TBD)

“  
**ThinQ :**  
**Une marque pour les produits et services incorporant des technologies d'IA avancées**  
”

## Avantages pour les consommateurs



### Un contrôle intuitif

ThinQ ajoute de la commodité à votre vie quotidienne en simplifiant les tâches quotidiennes. L'expérience ThinQ est fiable, flexible et sans effort, de la configuration à la commande et au-delà. Les produits ThinQ peuvent être commandés de n'importe où et à n'importe quel moment par de simples commandes vocales et en appuyant sur l'application innovante pour smartphone ThinQ. Cela signifie que n'importe quel endroit peut être votre domicile.



### Une efficacité maximale

ThinQ minimise la consommation d'énergie et peut même suivre votre consommation d'énergie et vos dépenses. Au-delà des avancées mécaniques, ThinQ offre une efficacité énergétique inégalée en utilisant une combinaison d'analyses, de capteurs et de données d'utilisation.



### Une solution personnalisée

ThinQ fournit des recommandations sur mesure et des réglages optimaux, en tenant compte de vos besoins et de vos préférences. Grâce à la puissance de l'IA, les mêmes produits peuvent offrir des expériences différentes en fonction de vos goûts uniques et de situations spécifiques.







# RÉSIDENTIEL

Montage mural

p.10 ~ p.45

Multi-split

p.46 ~ p.65

# COMMERCIAL

Single split

p.66 ~ p.99



Un air doux vous entoure de confort

# LG DUALCOOL™

Premium / Deluxe





## Pourquoi **LG DUALCOOL™** ?



### **Un flux d'air confortable**

Profitez d'une brise parfaitement équilibrée grâce aux multiples ailettes et au flux d'air indirect. Restez au frais grâce à la déshumidification automatique qui s'adapte à la température souhaitée. Profitez d'une brise parfaitement équilibrée et d'un taux d'humidité idéal, adapté à vos besoins



### **Des économies d'énergie proactives**

Évitez la crainte de recevoir des factures d'électricité inattendues grâce au gestionnaire de kW.  
Le capteur de détection de présence et la détection d'ouverture de fenêtre permettent d'économiser activement de l'énergie sans avoir à s'en préoccuper.



### **Une gestion globale de l'air**

Un processus de filtration en plusieurs étapes avec nettoyage par congélation qui purifie l'air, élimine la poussière et les bactéries, garantissant que l'air que vous respirez est toujours frais.

# Caractéristiques principales

## Un air doux

**Un flux d'air confortable**

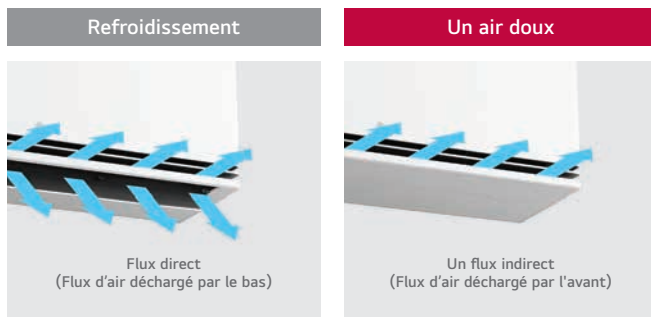
Restez confortablement au frais, sans courants d'air froids, et personnalisez la portée et la température de la brise.

※ Lorsque la fonctionnalité Multi ODU est connectée, la fonction air doux peut ne pas être supportée.



Lorsqu'elle est activée, l'air devient trop froid, et lorsqu'elle est désactivée, l'air devient trop chaud. En outre, lorsque vous vous allongez sur le lit, le flux d'air froid direct peut rapidement vous donner une sensation de froid désagréable.

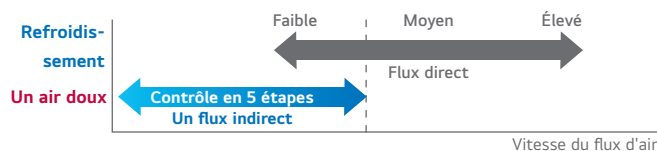
Expérimentez le passage d'un froid excessif à un flux d'air plus confortable et agréable - un flux d'air finement ajusté pour votre confort.



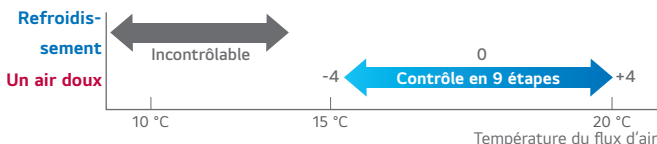
Température ambiante Contrôlée  
→ Flux d'air toujours froid

Température du flux d'air Contrôlée  
→ Un flux d'air agréable, confortable

### Comparaison de la vitesse du flux d'air



### Comparaison des températures de l'air

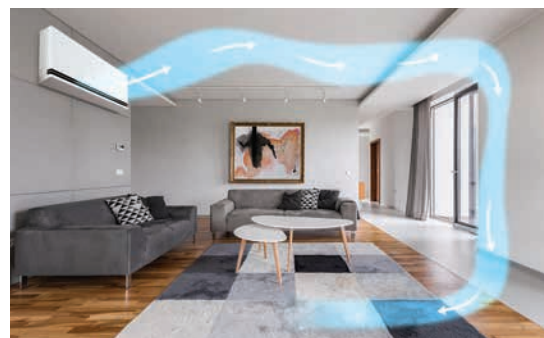


- ※ Cette fonction ne peut s'appliquer qu'au mode refroidissement / ventilateur.
- ※ La température du flux d'air peut être contrôlée via la télécommande ou l'application LG ThinQ.
- ※ Le réglage de la température ambiante ne peut se faire que par l'intermédiaire de l'application LG ThinQ.
- ※ La température du flux d'air n'est affichée sur la télécommande qu'à l'étape (-4 à +4), et la température n'est pas affichée.
- ※ Cette fonction est disponible lorsque la température intérieure est inférieure à 28 °C.

## DUAL Vane

**Un flux d'air confortable**

DUAL Vane diffuse le flux d'air vers le haut ou vers le bas, plus loin et plus vite, pour un confort idéal en toute saison.



### Un flux plus long

Deux ailettes séparées sont combinées pour créer une grande ailette unique. Grâce à la forme plus longue de l'ailette, Dual Vane peut envoyer le flux d'air plus loin que les modèles conventionnels.

### Un flux indirect

La cassette Dual Vane fournit un mode indirect pour une expérience plus confortable par rapport à une ailette unique. Elle permet au flux d'air froid de souffler vers le bas au-dessus de la tête et au flux d'air chaud de remonter sous les pieds, réduisant ainsi l'inconfort du contact direct avec le flux d'air.



### Un refroidissement et un chauffage plus rapides

Dual Vane peut fournir un flux d'air optimisé que ne peut pas réaliser une ailette unique. Elle permet de refroidir jusqu'à 23 % plus rapidement et de chauffer jusqu'à 6 % plus rapidement qu'avec une seule ailette.



※ Comparaison des performances avec celles de Single Vane

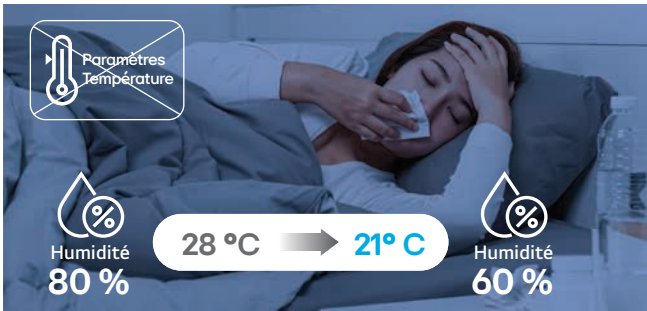
- 1) Date 06.2023, Résultats des mesures dans la chambre d'essai du climatiseur LG, hauteur d'installation 1,8 m, mode ventilateur. À l'aide d'une sonde de vitesse du flux d'air, la hauteur de 0,1 à 1,7 m est mesurée par incréments de 0,2 m. Mesure la distance maximale atteinte par un flux d'air de plus de 0,25 m/s à partir des produits
- 2) Date 10.2023 Chambre d'essai de l'environnement domestique du climatiseur LG, 20,9 m<sup>3</sup> / 50,1 m<sup>3</sup>, Jet Mode, DB intérieur (33±0,3) °C / HR 60±5) %, DB extérieur (35±0,3) °C / HR (50±5) % 18 °C réglage sur le mode de refroidissement, DB intérieur (12±0,3) °C / HR (60±5) %, DB extérieur (7±0,3) °C / HR (87±5) % 30 °C réglage sur le mode de chauffage, a mesuré le temps pris pour réduire de 5 °C (pour le refroidissement) / pour augmenter de 5 °C (pour le chauffage), à partir de la température ambiante moyenne initiale. Modèle d'essai : S3-M12KL2MB (SK), S3-M12L1C0 (S1, nouvelle plate-forme)

## Comfort Humidity Control

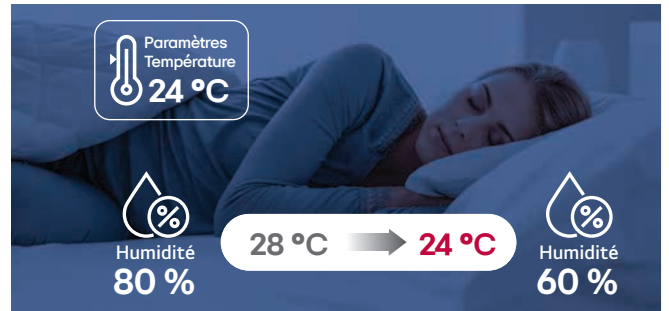
Un flux d'air confortable

Pas de refroidissement excessif, le Comfort Humidity Control perfectionne votre logement avec une humidité optimisée en fonction de la température souhaitée.

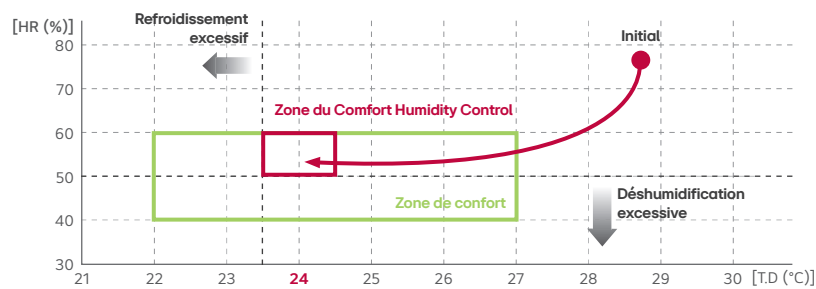
### Conventionnel



### LG DUALCOOL S1



### Exemple de fonctionnement (réglage 24 °C)



- ※ Le flux d'air change automatiquement en fonction de l'environnement.
- ※ Cette fonction peut être utilisée via la télécommande et l'application LG ThinQ.
- ※ L'humidité est automatiquement contrôlée en fonction de la température fixée par le client.

## Le gestionnaire de kW de LG ThinQ

Des économies d'énergie proactives

Restez cool. Le gestionnaire de kW vous permet de contrôler votre consommation d'énergie et vos dépenses de manière proactive.

※ En cas de connexion à Multi ODU, cette fonction n'est pas supportée.

### Gérer facilement la consommation d'électricité Des économies d'énergie intelligentes

**Conventionnel**

Consommation mensuelle

**LG DUALCOOL S1**

Consommation mensuelle

Économies d'énergie

**ThinQ**

Envoyer des informations sur le fonctionnement.

Électricité restante, mode de fonctionnement

Période / Temps d'utilisation / Réglage de l'électricité cible

Contrôle de l'électricité Fonctionnement

## Capteur de détection de présence

## Des économies d'énergie proactives

Le capteur de détection de présence permet un contrôle confortable du flux d'air et des économies d'énergie automatiques.

The diagram shows a white air conditioning unit with a sensor labeled "Détecteur". It illustrates two air flow modes: "Flux d'air direct" (direct air flow) and "Flux d'air indirect" (indirect air flow). A woman is shown sitting on a yellow sofa, indicating the sensor's detection range. A central box details the "Fonctionnement en mode économie d'énergie" (Energy saving mode operation):

- Passes automatiquement en mode économie d'énergie ou en mode arrêt si aucun mouvement d'utilisateur n'est détecté pendant une période donnée.
- REFROIDISSEMENT** (Cooling): Maximum  $\uparrow +2^\circ\text{C}$
- CHAUFFAGE** (Heating): Maximum  $\downarrow -2^\circ\text{C}$

- ※ Cette fonction peut être activée / désactivée via la télécommande ou l'application LG ThinQ.
- ※ Le « capteur de détection de présence » n'active que les modes refroidissement et chauffage.
- ※ Le temps de jugement de la détection d'absence humaine peut être réglé de 20 à 120 minutes via l'application LG ThinQ (20 minutes par défaut).
- ※ La détection du corps humain couvre 100 degrés à gauche et à droite en fonction du produit, et la distance de détection maximale est de 5 m.
- ※ Selon les conditions d'utilisation, la portée de détection du capteur peut être réduite.

## Détection de fenêtre ouverte

## Des économies d'énergie proactives

Réduit les pertes d'énergie, car le mode d'économie d'énergie se déclenche automatiquement en cas de changement brusque de la température. Empêche la condensation lorsque la fenêtre est ouverte.

The diagram shows a white air conditioning unit with a sensor labeled "Détecteur". It illustrates the "Mode économie d'énergie" (Energy saving mode) triggered by an open window. Two graphs show the temperature change:

- REFROIDISSEMENT** (Cooling): When the window is open, the ambient temperature rises, triggering the energy saving mode.
- CHAUFFAGE** (Heating): When the window is open, the ambient temperature drops, triggering the energy saving mode.

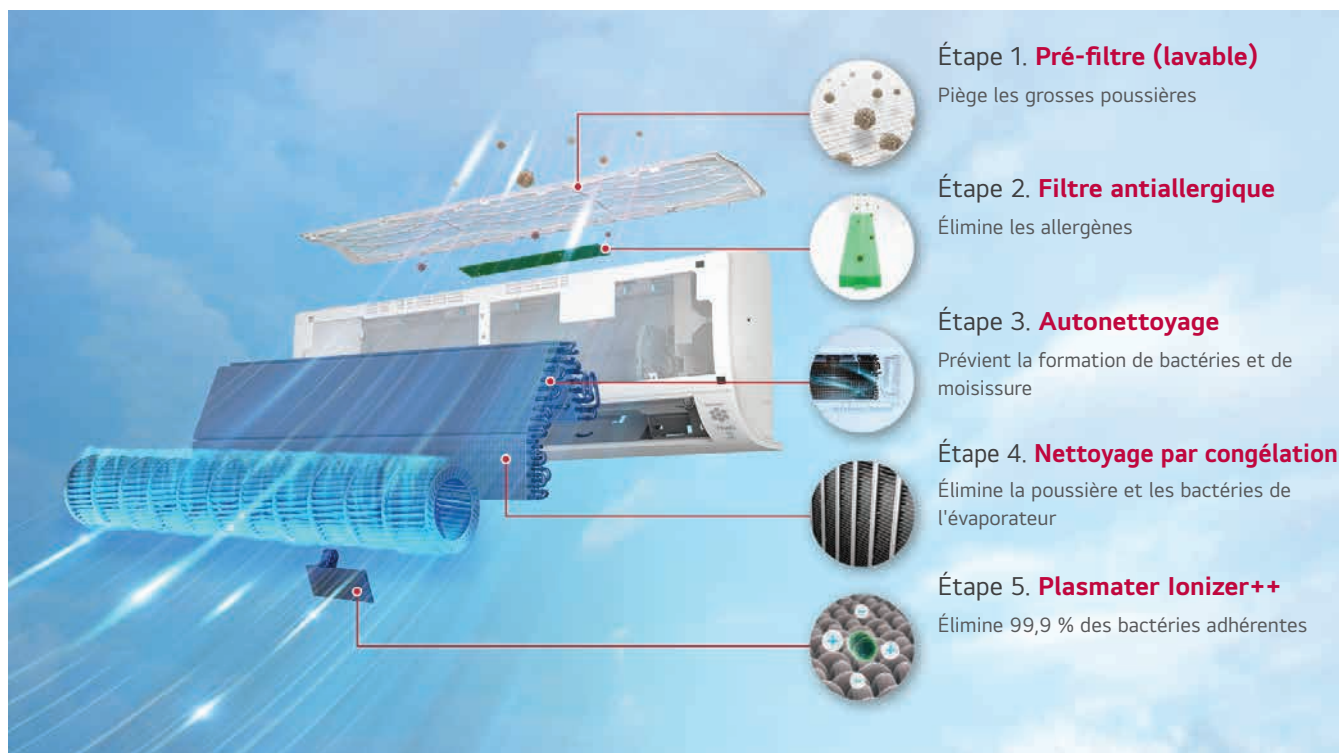
The unit is shown with a lightning bolt icon and the text "Mode économie d'énergie".

- ※ Le réglage initial est désactivé lorsque le produit est expédié.
- ※ Cette fonction ne peut être configurée que par l'intermédiaire de l'application LG ThinQ.
- ※ La fonction « Détection d'ouverture de fenêtre » n'est disponible qu'en mode refroidissement et chauffage.
- ※ La durée de fonctionnement du mode d'économie d'énergie par défaut est de 10 minutes et peut être réglée jusqu'à 60 minutes via l'application LG ThinQ.

Un processus de filtration en plusieurs étapes avec nettoyage par congélation qui purifie l'air, en éliminant la poussière et même les bactéries, garantissant que l'air que vous respirez est toujours frais.



### Comment cela fonctionne-t-il ?



Un nouveau climatiseur conçu pour s'intégrer harmonieusement avec vos préférences et votre intérieur.

# LG ARTCOOL™ Gallery

Premium / Spécial





## Caractéristiques principales

Découvrez la galerie ARTCOOL<sup>2nd</sup> Evolution - un chef-d'œuvre d'architecture intérieure.

### Exposition d'œuvres d'art (LCD Full HD 27")

Découvrez un écran LCD Full HD de 27 pouces intégré à l'unité de climatisation. Personnalisez l'écran en fonction de votre humeur et de vos préférences.



**Un cadre en bois**  
Un design moderne et luxueux qui s'harmonise avec tous les espaces.



Le design de la galerie ARTCOOL a été soumis au prix de l'UE par l'intermédiaire de l'organisation internationale OMPI.

## Créez les paramètres intérieurs à l'aide de l'application LG ThinQ

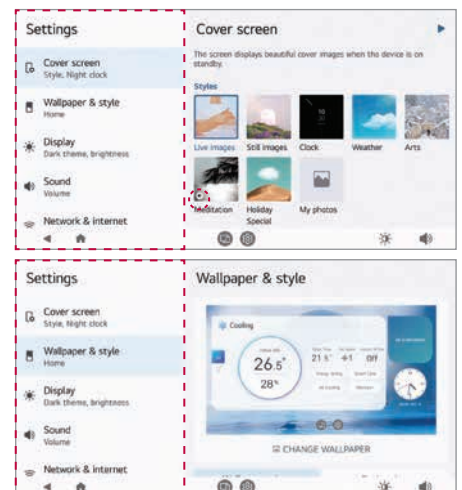
Choisissez jusqu'à 20 photos sur votre téléphone et envoyez-les à Look at Me via l'application ThinQ, ce qui vous permet de les afficher sur le climatiseur.

Cliquez sur Réglages

Sélectionnez le style sur l'écran de couverture

Sélectionnez Image ou Vidéo & clic

Prévisualisation

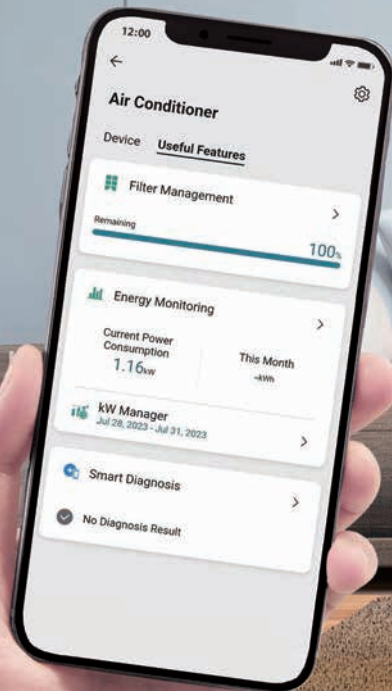


N'importe quand, n'importe où !

# LG DUALCOOL™

powered by ThinQ

## avec commande vocale

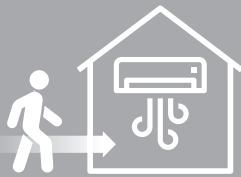


## Caractéristiques principales

Améliorez votre routine quotidienne avec ThinQ

**Une maison fraîche à votre arrivée**

« Imaginez que vous arrivez dans une maison parfaitement fraîche »



**Surveillez les factures mensuelles d'électricité**

« Suivez votre utilisation de la climatisation et restez informé(e) de votre consommation mensuelle d'électricité. »



**Éteindre la climatisation après votre départ**

« Plus besoin de s'inquiéter d'avoir laissé la climatisation allumée - il suffit de l'éteindre d'un simple clic. »



**Pas besoin de chercher la télécommande**  
Votre climatisation sans effort avec votre téléphone.

« Où est la télécommande ?  
Je suis trop paresseux pour aller la chercher »



### Commande vocale pour un mode de vie amélioré

- Commande intuitive pour un accès pratique, à tout moment et en tout lieu.
- Profitez d'un confort accru, accessible et simple pour tous.
- Gagnez du temps sans avoir à chercher la télécommande.




































## Une commande vocale simple pour plus de commodité et d'accessibilité

Découvrez la facilité d'une commande vocale simple, qui vous permet de gagner un temps précieux en évitant de chercher la télécommande. Les modèles DUALCOOL sont également compatibles avec les enceintes IA comme ThinQ avec Google Assistant, Google Home, et plus encore. Fini d'appuyer sur des boutons, place à la voix.

























※ Les fonctionnalités intelligentes et l'assistant vocal peuvent varier selon le pays et le modèle. Vérifiez la disponibilité du service auprès de votre revendeur local ou de LG.

MODEL	kBTu kW	5	7	9	12	15	18	24		
									1.5	2.1
LG ARTCOOL™	Gallery Premium		 			○● A09GA2.NSE	○● A12GA2.NSE			
	Gallery Special		 			○● A09GA1.NSE	○● A12GA1.NSE			
	Gallery (end of life)		 			○ A09FT.NSF	○ A12FT.NSF			
	Mirror	UVnano™ 	 	● AM07BK.NSJ	○● AC09BK.NSJ	○● AC12BK.NSJ		○● AC18BK.NSK	○● AC24BK.NSK	
	Beige	UVnano™ 	 			○● AB09BK.NSJ	○● AB12BK.NSJ	○● AB18BK.NSK	○● AB24BK.NSK	
	Prestige (end of life)		 			○ F09MT.NSM	○ F12MT.NSM			
LG DUALCOOL™	Premium	UVnano™ 	 			○● H09S1PNS1	○● H12S1PNS1			
	Deluxe		 			○● H09S1D.NS1	○● H12S1D.NS1	○● H18S1D.NS1	○● H24S1D.NS1	
	Deluxe Inverter DC		 		● DM07RK.NSJ	○● DC09RK.NSJ	○● DC12RK.NSJ	○● DC18RK.NSK	○● DC24RK.NSK	
	Standaard Plus PC		 	● PM05SK.NSA	● PM07SK.NSA	○● PC09ST.NSJ	○● PC12ST.NSJ	● PM15SK.NSJ	○● PC18ST.NSK	○● PC24ST.NSK
	Air purification AP		 			○● AP09RK.NSJ	○● AP12RK.NS			






※ Refer to multi split line up for 5, 7, 15 kBTu indoor unit connection.

○ Single Split Only    ○● Compatible    ● Multi Split Only

MODEL	kBTu		5	7	9	12	15	18	24
	kW		1.5	2.1	2.6	3.5	4.2	5.3	7.0
LG ARTCOOL™	Gallery Premium					○ A09GA2.U18	○ A12GA2.U18		
	Gallery Deluxe					○ A09GA1.U18	○ A12GA1.U18		
	Gallery (end of life)					○ A09FT.NSF	○ A12FT.NSF		
	Mirror					○ AC09BK.UA3	○ AC12BK.UA3	○ AC18BK.U2	○ AC24BK.U24
	Beige					○● AB09BK.NSJ	○● AB12BK.NSJ	○● AB18BK.NSK	○● AB24BK.NSK
LG DUALCOOL™	Prestige (end of life)					○ F09MT.U24	○ F12MT.U24		
	Premium					○ H09S1PU18	○ H12S1PU18		
	Deluxe					○ H09S1D.U12	○ H12S1D.U12	○ H18S1D.U18	○ H24S1D.U24
	Deluxe Inverter DC					○ DC09RK.U2	○ DC12RK.U2	○ DC18RK.U2	○ DC24RK.U24
	Standaard Plus PC					○ PC09ST.UA3	○ PC12ST.UA3	○ PC18ST.U2	○ PC24ST.U24
	Air purification AP					○● AP09RK.UA3	○● AP12RK.UA3		







OUTDOOR UNITS LINE-UP

RESIDENTIAL  
WALL MOUNTED

		LG ARTCOOL™				
		Gallery Premium	Gallery Special	Gallery	Mirror	Beige
				 (end of life)		
CORE TECH	DUAL Inverter Compressor™	○	○	○	○	○
	Soft Air					
COMFORT	Dual Vane					
	Low Noise (19dB)	○●	○●		○●	○●
	Comfort Humidity Control	○●	○●			
	KW Manager					
ENERGY SAVING	Human Detecting Sensor					
	Window Open Detecting					
	Active Energy Control				○●	○●
COOLING	Fast Cooling	○●	○●	○	○●	○●
HEATING	Fast Heating	○●	○●	○	○●	○●
HEALTH	Freeze Cleaning	○●	○●			
	Plasmaster™ Ionizer <sup>++</sup>	○●	○●		○●	○●
	Allergy Filter				○●	○●
	UVnano™				○●	○●
SMART	Low Refrigerant Detection					
	Embedded Wi-Fi	○●	○●	○	○●	○●
	Smart Diagnosis	○	○		○	○
	Mobile LG MV	○	○		○	○
DURABILITY	Gold Fin	○	○	○	○	○
MULTI	Multi Compatible	○●	○●		○●	○●

Feature may vary for each model.

1. When connected to Multi Outdoor unit, Silent Mode 3dB is working by simply setting the dip switch on the PCB of the outdoor unit.
2. When combines with 40kBtu, Cooling A+, Heating A
3. Wi-Fi Ready : can be connected by using Wi-Fi controller (PWFMD200)
4. Please refer to the specifications of Multi outdoor units.

LG DUALCOOL™					
Prestige	Premium	Deluxe	Deluxe Inverter DC	Standaard Plus PC	Air purification AP
 (end of life)					
○	○	○	○	○	○
	○●	○●			
	○●	○●			
○●	○●	○●	○●	○●	○●
	○●	○●			
	○	○			
	○●				
	○●	○●			
○●	○●	○●	○●	○●	○●
○●	○●	○●	○●	○●	○●
○●	○●	○●	○●	○●	○●
	○●	○●			
○●	○●	○●	○●		
○●	○●	○●	○●	○●	○●
			○●		
	○	○	○	○	○
○●	○●	○●	○●	○●	○●
○			○	○	○
○	○	○	○	○	○
○	○	○	○	○	○
	○●	○●	○●	○●	○●

# powered by DUAL Inverter Compressor™

※ Le Dual Inverter Compressor s'applique uniquement au Single split. Les spécifications peuvent varier d'un modèle à l'autre.

## Qu'est-ce que le Dual Inverter Compressor ?

Le compresseur est le cœur d'un climatiseur. Le Dual Inverter Compressor résout les problèmes de compresseur habituels, avec pour résultat un refroidissement plus rapide, une plus longue durée de vie, et un fonctionnement plus silencieux.



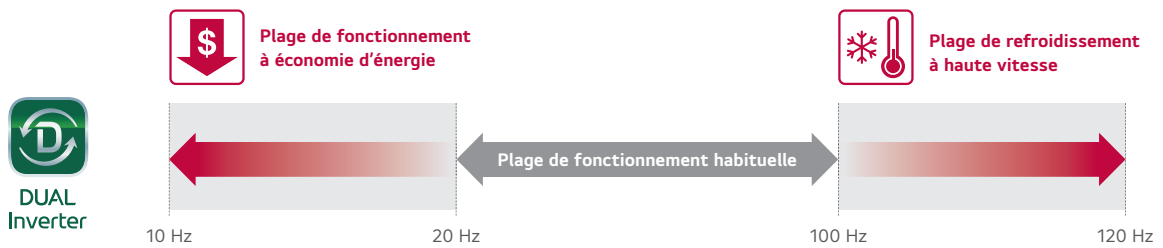
## Une amélioration de la fiabilité des produits

Le Dual Inverter Compressor réduit les vibrations et, par conséquent, les niveaux de pression acoustique. La réduction des vibrations réduit le risque de rupture dans la tuyauterie environnante.

## Comment cela fonctionne-t-il ?

### Rotation double à vitesse variable

Un moteur de compresseur avec une fréquence de rotation plus élevée qui est énergétiquement efficace et a une capacité de refroidissement rapide volumétrique plus élevée que les compresseurs conventionnels.



## Faible bruit

Les climatiseurs LG fonctionnent avec un niveau sonore de 19 dB.

※ Les spécifications peuvent varier d'un modèle à l'autre.

## Comment cela fonctionne-t-il ?

### Le ventilateur incliné unique de LG

En minimisant la pression de surface de l'ailette du ventilateur lorsqu'elle est en contact avec l'air, le bruit produit par l'unité de climatisation est réduit à un niveau remarquablement bas.



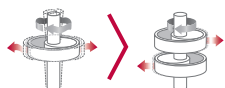
Conventionnel

Ventilateur incliné

15 %  
Stabilisateur  
incliné

### ALVC (Active Low Vibration Control)

Un composant d'erreur de vitesse estime la charge nécessaire pour compenser les déséquilibres, qui sont les principales causes de vibration et de bruit, permettant la rotation du moteur sans vibration à des niveaux de fréquence faibles.



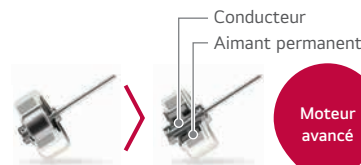
Rotation simple

Inverseur

40 %  
Couple de coupe  
Variation

### Le moteur de ventilateur BLDC

Doté d'un couple élevé et d'un puissant magnétisme ND, ainsi que d'un contrôle précis de la vitesse à 13 niveaux différents pour un fonctionnement en douceur, le moteur BLDC fournit un volume d'air substantiel et une pression statique élevée, tout en réduisant les bruits électriques et mécaniques et en permettant un fonctionnement à grande vitesse.



Moteur à courant alternatif

Moteur BLDC

Moteur avancé

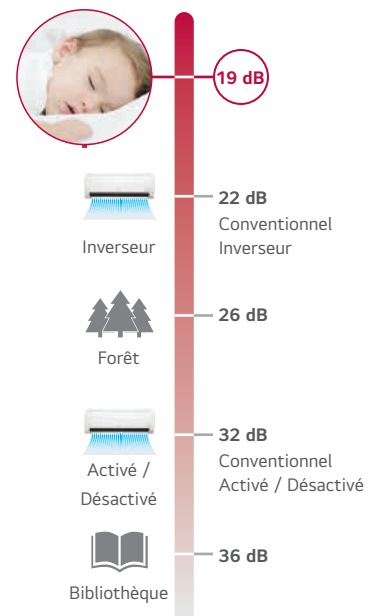
### Moteur à courant alternatif conventionnel

- Faible efficacité.
- Problème de chaleur lors de la révision.
- Contrôle précis difficile de la vitesse.

### Moteur BLDC

- Faible bruit électrique et mécanique.
- Contrôle précis et durable de la vitesse.

## Avantage



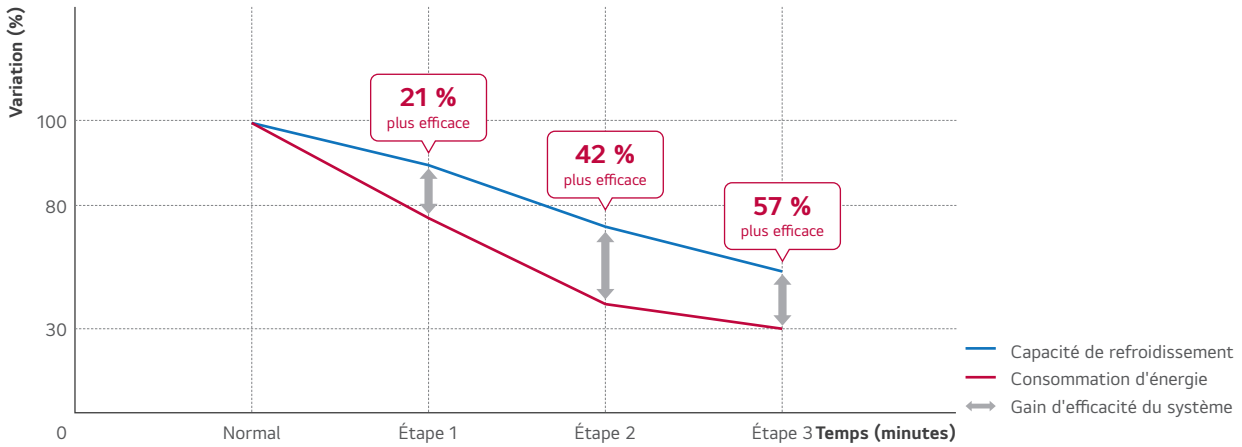


# Contrôle actif de l'énergie

Le contrôle actif de l'énergie de LG fonctionne en quatre étapes, ajustant dynamiquement les niveaux de consommation d'énergie et la capacité de refroidissement. Ce résultat est obtenu grâce à un contrôle précis de la fréquence maximale du moteur du compresseur.

※ Les spécifications peuvent varier d'un modèle à l'autre. ※ En fonction des conditions expérimentales.  
 ※ En cas de connexion à un Multi ODU, la fonction de contrôle actif de l'énergie ne peut pas être supportée. ※ Le contrôle actif de l'énergie ne fonctionne qu'en mode refroidissement.

## Concept et avantages



※ Conditions d'essai : Température normale (température intérieure en mode refroidissement) : 28 °C, Température extérieure : 32 °C  
 ※ Modèle d'essai : DC12RH

## Comment cela fonctionne-t-il ?

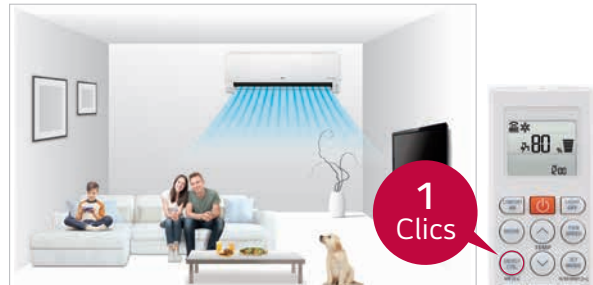
### ÉTAPE 1 Utilisation de l'énergie à 100 %

Convient à de nombreuses personnes et à des niveaux d'activité élevés.



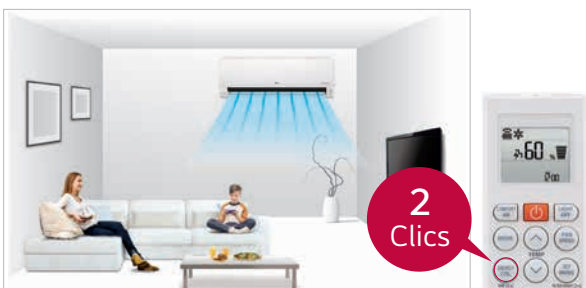
### ÉTAPE 2 Utilisation de l'énergie à 80 %

Idéal pour un nombre réduit de personnes et des niveaux d'activité modérés.



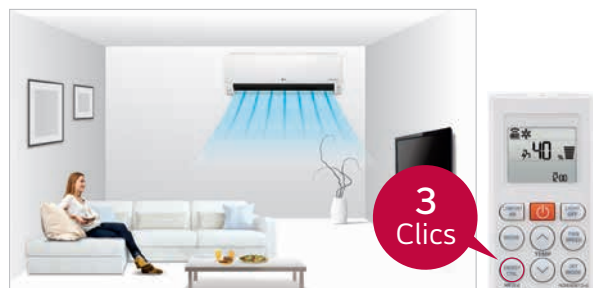
### ÉTAPE 3 Utilisation de l'énergie à 60 %

Conçu pour un nombre encore plus réduit de personnes et des niveaux d'activité encore moins élevés.



### ÉTAPE 4 Utilisation de l'énergie à 40 %

Destiné à un très petit nombre de personnes sans activité.



# Refroidissement rapide

Le flux d'air frais atteint rapidement tous les coins de la pièce, gardant l'espace frais et confortable.

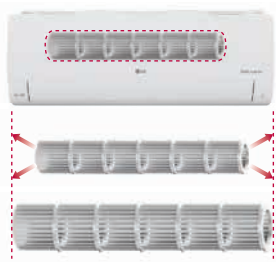
※ Les spécifications peuvent varier d'un modèle à l'autre. ※ En fonction des conditions expérimentales.

## Point de douleur

### Ventilateur incliné plus grand

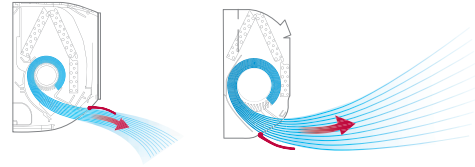
Bénéficiez d'un ventilateur incliné 25 % plus grand qui génère des jets d'air très puissants pour un refroidissement efficace.

**25 %**  
plus grand  
(taille du ventilateur)



### Orifice de sortie de refroidissement

L'orifice de sortie de refroidissement plus large et conçu de manière optimale assure une couverture plus large, refroidissant rapidement de plus grandes zones pour un environnement plus confortable.

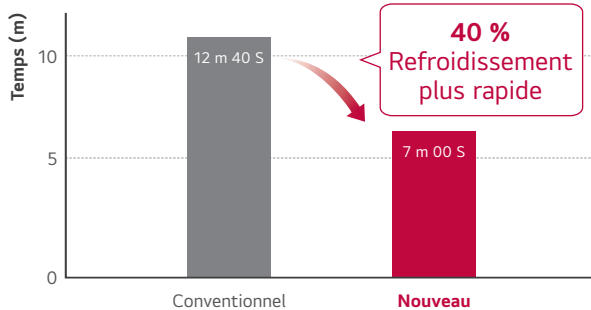


Conventionnel

LG

## Résultat du test

### Résultat du test



※ 26.5 °C Comparaison du temps d'arrivée

※ Modèle d'essai

- Conventionnel : TS-H2465DA0

- Nouveau : US-Q242Kxy0

※ Conditions d'essai :

Température intérieure 33 °C, température extérieure 35 °C,

Humidité relative 60 %, Température de réglage 26 °C

Dimensions du local d'essai : 4,3 m x 7,0 m x 2,3 m

# Chauffage rapide

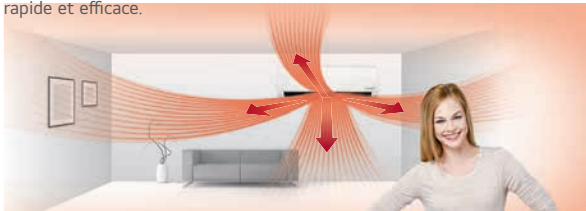
Les climatiseurs résidentiels LG répondent aux besoins des utilisateurs en consommant moins d'énergie et en chauffant un espace plus large sur une période plus courte. Cela crée un environnement de vie chaleureux et confortable.

※ Les spécifications peuvent varier d'un modèle à l'autre. ※ En fonction des conditions expérimentales.

## Comment cela fonctionne-t-il ?

### Auto Swing 4 voies (contrôle aisé du flux d'air)

La fonctionnalité Auto Swing à 4 voies ajuste le flux d'air de manière dynamique en fonction de l'environnement. Cela garantit une distribution optimale de l'air chaud dans les pièces à vivre, ce qui permet un chauffage rapide et efficace.



### Flux d'air vertical

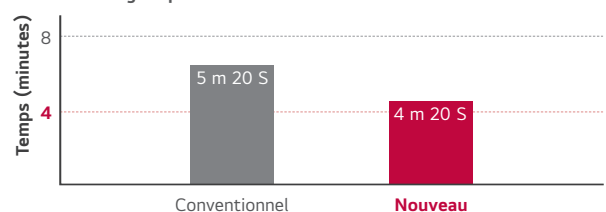
Pendant le chauffage, l'ailette dirige l'air chaud vers le bas, ce qui garantit une température ambiante agréable et équilibrée.



**70°**  
Flux d'air vertical

## Avantages et résultats des essais

### 22 % Chauffage rapide



※ Conditions d'essai :

Température extérieure : 7 °C, Température intérieure : 12 °C,

Humidité : 87 %, Télécommande : Puissance 30 °C

### Changements de température en 20 minutes



※ Conditions d'essai :

Température extérieure : 7 °C, Température intérieure : 12 °C,

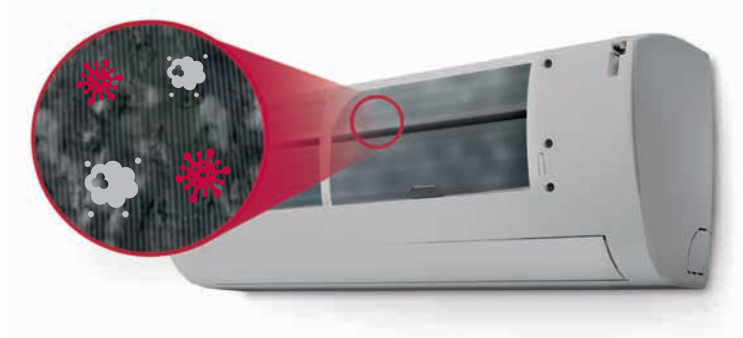
Humidité : 87 %, Télécommande : Puissance 30 °C

# Nettoyage par congélation

Profitez d'une fraîcheur continue grâce à notre technologie innovante de nettoyage par congélation qui garantit la propreté de l'évaporateur, permettant ainsi le passage d'un air frais et pur.

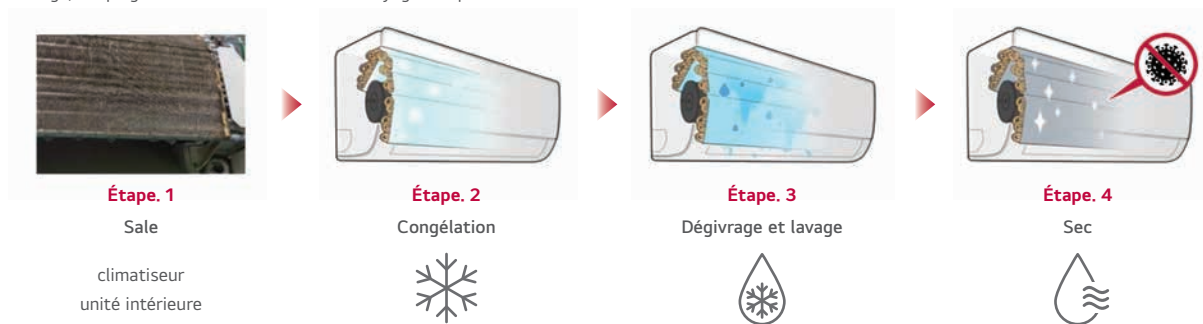
## Point de douleur

L'utilisation d'un climatiseur soulève souvent des inquiétudes quant à la propreté de l'air qu'il délivre. L'intérieur d'un climatiseur, qui est un environnement sombre et humide, est susceptible d'être contaminé par la poussière et les bactéries.



## Comment cela fonctionne-t-il ?

Le processus de « nettoyage par congélation » consiste à créer une couche de glace qui sépare efficacement les substances responsables des odeurs, y compris la poussière et les bactéries accumulées sur l'évaporateur. Lorsque la glace fond, ces contaminants sont efficacement évacués avec l'eau de vidange, ce qui garantit un mécanisme de nettoyage complet.



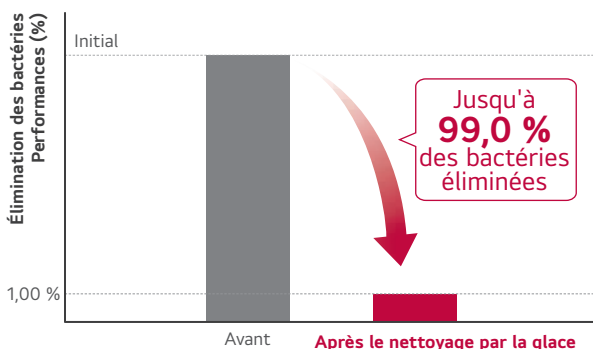
- ※ Conditions de travail : 21 ~32 °C(intérieur) / 21 ~37 °C(extérieur)
- ※ Le mode « nettoyage par congélation » ne peut être activé que par le ThinQ
- ※ Le « nettoyage par congélation » intégré dans Single split (ArtCool Gallery Premium/ ArtCool Gallery Special/ DualCool Premium/ DualCool Deluxe)
- ※ Le « nettoyage par congélation » en Multi sera disponible en 2025.

## Avantages et vérification

Nettoyez périodiquement l'intérieur du climatiseur, une tâche d'entretien généralement difficile, afin de maintenir l'évaporateur toujours propre.

### Résultat du test (performance d'élimination des bactéries)

Notre fonction « nettoyage par congélation » a été rigoureusement testée et il a été prouvé qu'elle éliminait jusqu'à 99 % des bactéries résiduelles sur l'évaporateur, garantissant ainsi un environnement hygiénique et sain.



- ※ Ce résultat d'essai a donné lieu à un rapport d'essai sur un taux de réduction de *Pseudomonas aeruginosa* de 99,0 % de la part d'un laboratoire internationalement reconnu, taux qui peut varier en fonction de l'environnement réel.
- ※ Institution de test : TÜV Rheinland
- ※ Modèle d'essai : SQ07EDETHN(SE), SQ06BDAAWJ(SA), SQ07SDJBAN(SJ), SQ09MDKWAN(SK)
- ※ Bactéries d'essai : jusqu'à 99 % de réduction de « *Pseudomonas aeruginosa* » confirmée

# Plasmaster™ Ionizer<sup>++</sup>

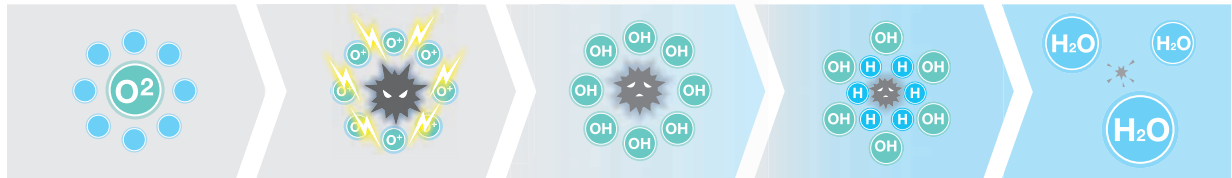
Le puissant Plasmaster™ Ionizer<sup>++</sup> élimine les mauvaises odeurs, ainsi que les Escherichia coli et les staphylocoques sur les surfaces, grâce à plus de 8 millions d'ions. Faites l'expérience d'un environnement intérieur plus sûr et plus propre.

- ※ Les spécifications peuvent varier d'un modèle à l'autre.
- ※ En fonction des conditions expérimentales.

## Comment cela fonctionne-t-il ?

### Réduction et désodorisation (utilise plus de 8 millions d'ions)

Plasmaster Ionizer<sup>+</sup> réduit les E.coli et les staphylocoques à la surface à l'aide de plus de 8 millions d'ions.



#### Libération d'ions dans l'air

Les ions sont libérés dans l'air.

#### Substances nocives environnantes

Les H- et O- se lient aux particules nocives.

#### Production de radicaux OH

Les radicaux OH inactivent les substances nocives.

#### Réaction chimique

Les radicaux OH se lient avec les particules H.

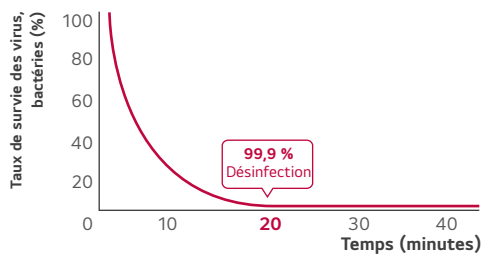
#### Désinfection

Des molécules de H<sub>2</sub>O sont produites.

## Résultat du test

### Performances de réduction effective

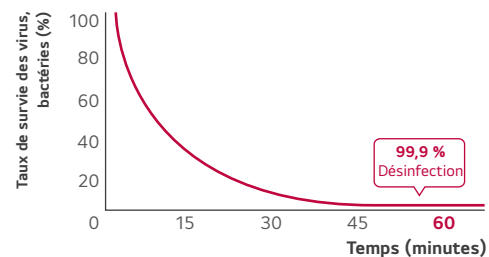
Élimine plus de 99,9 % des bactéries E.coli en 20 minutes



- ※ Conditions d'essai :  
Espace : chambre de 30 m<sup>3</sup> (mesure avec le spécimen au centre de la chambre d'essai)  
Température et humidité : normales  
Bactéries : bacille du colon E Coli  
Vérifié par Intertek et TUV Rheinland

### Stérilisation des staphylocoques

Élimine le staphylocoque doré à plus de 99,9 % en 60 minutes



- ※ Conditions d'essai :  
Espace : chambre de 30 m<sup>3</sup> (mesure avec le spécimen au centre de la chambre d'essai)  
Température et humidité : normales  
Bactéries : Staphylocoque doré  
Vérifié par Intertek et TUV Rheinland

## Allergy Filter

Alors que le flux d'air d'un climatiseur peut déclencher des symptômes associés aux allergies ou à l'asthme, les appareils LG sont dotés d'un filtre intérieur conçu pour absorber les particules nocives telles que les acariens, le pollen, les champignons et la moisissure qui circulent dans l'air. Cela garantit un environnement plus propre et contenant moins d'allergènes.

- ※ Les spécifications peuvent varier d'un modèle à l'autre.

## Comment cela fonctionne-t-il ?

Élimine les substances allergisantes, telles que les acariens, qui peuvent se trouver dans l'air.



L'allergène est capturé par le filtre



LG DUALCOOL maintient le ventilateur (à l'intérieur de l'appareil) exempt à 99,99 % de bactéries, avec une lumière ultraviolette pour garantir que l'air qui passe à travers l'appareil est également propre.

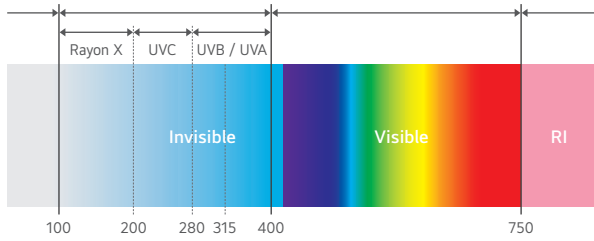
※ UVnano est un nom de marketing intégré qui s'applique à l'ensemble des appareils domestiques de LG Electronics et qui est un composé des mots UV (ultraviolet) et nanomètre (unité de longueur).

## Qu'est-ce que UVnano™ et comment fonctionne-t-il ?

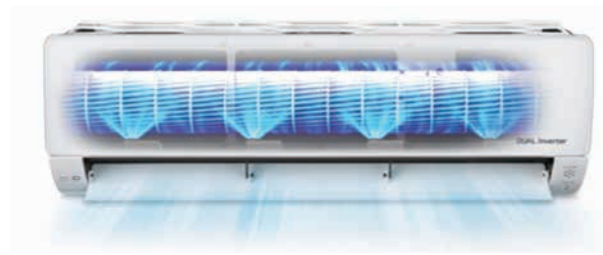
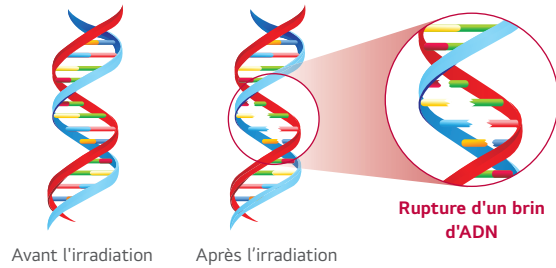
- Émet des rayons ultraviolets de longueur d'onde UVC qui endommagent directement l'ADN des micro-organismes (bactéries / moisissure / virus), les empêchant de se multiplier.
- Absorption élevée dans l'ADN à des longueurs d'onde de 260 à 270 nm

## Efficacité d'absorption de l'ADN par longueur d'onde

Spectre électromagnétique et types



Séquence nucléaire de destruction (chaîne)



## Produit aux UVC appliqué

Produit LG



Diverses gammes de produits



## Avantages et vérification

Maintient le ventilateur exempt de bactéries à 99,99 % pour une brise plus propre.



Élimine jusqu'à **99,99 %** des bactéries dans le ventilateur interne.



- ※ Conditions d'essai :
- Modèle d'essai : S3NM12JL1GA(SJ), S3NM24K21GA(SK)
  - Standard d'essai : Méthode d'essai LG avec référence à ISO 20743:2007
  - Bactéries : Staphylococcus aureus, Staphylococcus epidermidis, Klebsiella pneumoniae

# Wi-Fi intégré

Gérez sans effort vos climatiseurs à l'aide de smartphones Android ou iOS grâce à la fonctionnalité Wi-Fi intégrée.

※ Les spécifications peuvent varier d'un modèle à l'autre.

## ThinQ

Téléchargez l'application ThinQ à partir des boutiques d'applications de Google ou d'Apple.



## Comment cela fonctionne-t-il ?

### ① Activez « ThinQ » sur votre climatiseur

Profitez du modem Wi-Fi intégré et bénéficiez d'une innovation illimitée.



### ③ Bénéficiez d'une innovation illimitée

Une fois enregistré(e), profitez d'une connectivité harmonieuse et explorez les fonctionnalités innovantes offertes par ThinQ.

### Connectivité Wi-Fi

Profitez d'un confort personnalisé grâce à la connectivité Wi-Fi. Chaque membre de la famille peut personnaliser la température du climatiseur et la vitesse du ventilateur à l'aide de son application, et enregistrer ses préférences pour les réutiliser ultérieurement. Ces réglages personnalisés peuvent être mémorisés pour chaque climatiseur spécifique.

### Dispositifs multiples



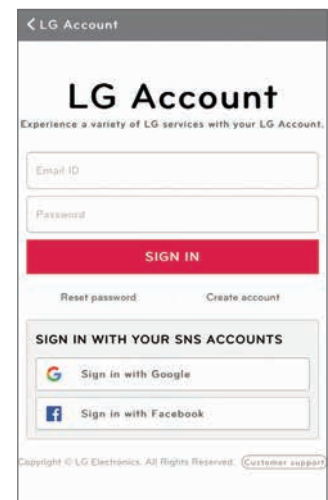
※ Peut être contrôlé par plusieurs utilisateurs, mais pas simultanément.

### Multi-contrôle



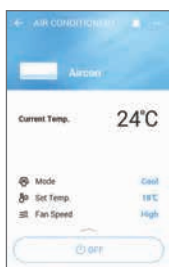
### ② Enregistrement et connexion faciles

Suivez les étapes de configuration interactive pour activer les fonctionnalités impressionnantes de ThinQ en configurant votre compte LG.



## Avantage

### Une simplicité d'utilisation pour diverses fonctions



Surveillance de l'énergie



Smart Diagnosis

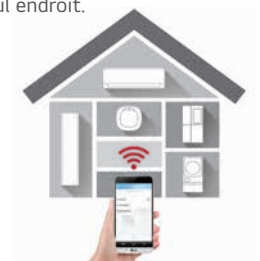


Gestion des filtres

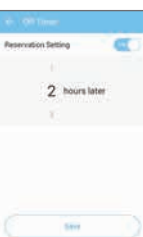


### Contrôle intégré des appareils ménagers

Surveillez et contrôlez vos appareils LG à partir d'un seul endroit.



### Une gestion simple



Programmation



Surveillance de l'énergie



Smart Diagnosis



Gestion des filtres

### Accédez à votre climatiseur à tout moment et de n'importe où

avec un appareil équipé d'une connexion Wi-Fi et l'application de contrôle exclusive de LG, ThinQ



※ Dans le cadre de notre politique d'amélioration continue de l'application ThinQ, les spécifications, la conception et les caractéristiques sont susceptibles d'être modifiées sans préavis.

# Smart Diagnosis

Smart Diagnosis vous permet de surveiller à distance l'état de votre climatiseur.

※ Les spécifications peuvent varier d'un modèle à l'autre.

※ En cas de connexion à Multi ODU, la fonction Smart Diagnosis ne peut pas être supportée.

## Qu'est-ce que Smart Diagnosis ?

Smart Diagnosis permet aux utilisateurs de vérifier facilement la configuration, l'installation, les défauts et d'autres informations directement à partir d'un smartphone.

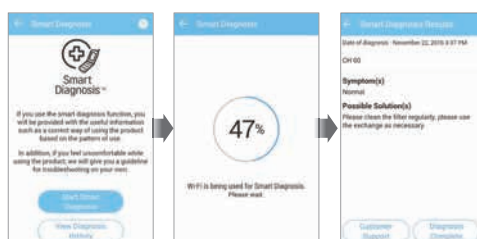
※ S'appuie sur l'utilisation généralisée des smartphones et offre une plus grande diversification des USP

※ Parfait pour les consommateurs qui ne peuvent pas consulter les informations relatives à leur climatiseur sur un écran ou à l'aide d'une télécommande.

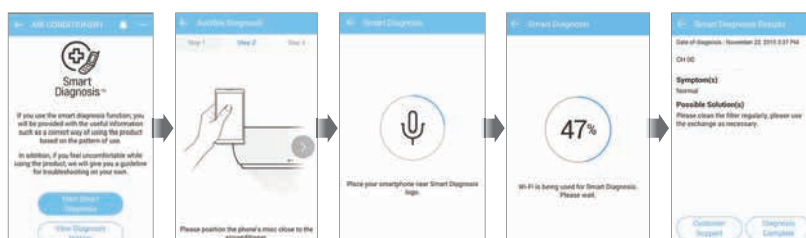
## Comment cela fonctionne-t-il ?

### Modèle Wi-Fi intégré

En utilisant l'application « ThinQ » et en cliquant sur « Start Smart Diagnosis », surveillez et vérifiez les résultats du diagnostic de manière pratique via le Wi-Fi.

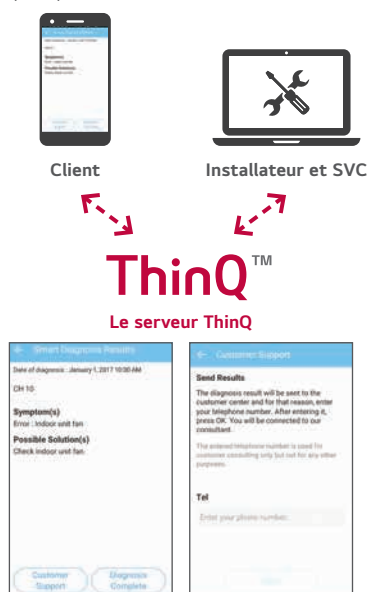


### Modèle à Wi-Fi non intégré



## Avantage

Des messages d'erreur facilement compréhensibles simplifient le processus d'identification des solutions et rendent le recours au centre de service simple et pratique.



### Pour les consommateurs



- Vérifier facilement l'état de fonctionnement d'un produit, même sans écran ou avec des informations limitées.
- Économiser de l'énergie en surveillant les informations opérationnelles clés et la consommation d'énergie.
- Utiliser le guide de maintenance pour améliorer les performances de l'appareil et augmenter sa durée de vie.

### Pour l'installateur et le SVC



- Mieux comprendre le produit en confirmant facilement l'état de fonctionnement et les informations.
- Diagnostiquer intuitivement les problèmes en comparant les données d'utilisation actuelles et passées.
- Maintenir les fonctionnalités de l'installation et réduire les erreurs en confirmant rapidement l'état de fonctionnement de l'appareil.

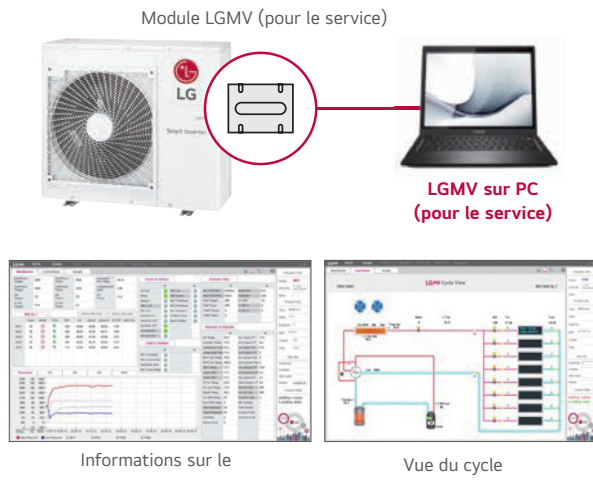
※ Dans le cadre de notre politique d'amélioration continue de l'application ThinQ, les spécifications, la conception et les caractéristiques sont susceptibles d'être modifiées sans préavis.

# Mobile LGMV (Vue de surveillance)

LGMV simplifie l'inspection (le diagnostic) et la surveillance des unités de climatisation pour les ingénieurs, en permettant un accès facile via votre smartphone ou votre PC.

※ Les spécifications peuvent varier d'un modèle à l'autre.

## Version PC



- Informations sur IDU et ODU
- Cycle et vannes
- Capteurs et électricité
- Diagramme du cycle
- Informations sur l'actionneur

## Version smartphone



Les techniciens peuvent non seulement examiner les informations sur les cycles à l'aide de diagrammes et de graphiques, mais aussi vérifier facilement l'état des erreurs (guide de dépannage) et prendre des mesures immédiates.

※ Pour les utilisateurs d'Android ou d'iOS : recherchez « Mobile LGMV » sur Google Play ou l'Apple Store et procédez au téléchargement.  
 ※ Exigence supplémentaire : un modem Wi-Fi (PWFMD200) est nécessaire en tant qu'accessoire optionnel.

# Gold Fin™

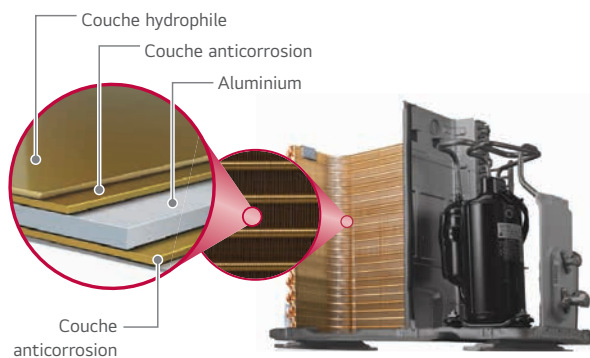
Le revêtement Gold Fin™ protège la surface de l'échangeur de chaleur contre une usure et une corrosion inutiles.

※ Les spécifications peuvent varier d'un modèle à l'autre. ※ En fonction des conditions expérimentales.

## Comment cela fonctionne-t-il ?

### Couche de protection résistante à la corrosion

Le revêtement spécial de couleur or sur les ailettes de l'échangeur de chaleur empêche la corrosion et prolonge la durée de vie de l'appareil.



## Résultat du test

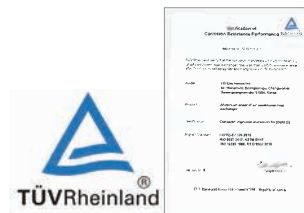
Ailette conventionnelle

Gold Fin™



※ Conditions d'essai :

- Standard d'essai : ISO9227:2017 , ISO10289:1999, ASTM B 117 Essai au brouillard salin
- Échantillon d'essai : Feuille d'ailette en aluminium (100 µm, 70 X 150 mm) + revêtement organique (1,65 g/m<sup>2</sup>)
- Condition de réglage : (35±2) °C, pH 6,5 ~ 7,2, (5±1) % brouillard salin NaCl, 5000 h
- Résultat de l'essai : pas plus de 0,05 % du rapport de la zone de corrosion. (Par rapport à R.N. 9.5)



TUV vérifie que « Gold II Fin » améliorant la résistance à la corrosion présente une zone de corrosion inférieure à 0,05 % après 5 000 heures d'essai au brouillard salin. TUV a vérifié que la zone de corrosion de Gold Fin™ n'est pas supérieure à 0,05 % (par rapport à R.N. 9.5)





LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

Option: Black frame

Single Combination

UNIT				9K	12K
INDOOR				A09GA2.NSE	A12GA2.NSE
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 4.70
	Heating -7°C	Rated	kW	2.60	3.20
Power Input	Cooling / Heating	Rated	W	600 / 808	1,020 / 1,078
EER			W/W	4.17	3.43
S.E.E.R.				7.2	6.9
P design C			kW	2.5	3.5
COP			W/W	4.08	3.71
S.C.O.P		(Average / Warmer)		4.3 / 4.9	4.3 / 4.9
P design H (Average / Warmer)			kW	2.7 / 1.4	2.7 / 1.4
Energy Label (A+++ to D Scale)	Cooling			A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	121	177
	Heating	(Average / Warmer)	kWh	879 / 373	879 / 373
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 36 / 42	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 36 / 42	28 / 36 / 42
Sound Power	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	3 / 6 / 8 / 10 / 12	3 / 6 / 8 / 10 / 12
	Heating	L / M / H	m³/min	6 / 8 / 10	6 / 8 / 10
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Min. / Rated / Max.	A	1.1 / 3.0 / 6.0	1.1 / 4.6 / 6.2
	Heating	Min. / Rated / Max.	A	1.1 / 3.7 / 7.2	1.1 / 4.8 / 7.2
Starting Current	Cooling / Heating	Rated	A	3.0 / 3.7	4.6 / 4.8
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	20	20
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	652 x 652 x 158	652 x 652 x 158
Net Weight			kg	20	20
Fan Motor Output			W	32.7	32.7
OUTDOOR				A09GA2.U18	A12GA2.U18
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	50 / 53	50 / 53
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m³/min	35	35
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.800	0.800
	Additional Charge		t-CO <sub>2</sub> eq	0.540	0.540
	GWP		g/m	20	20
Fan Motor Output			W	675	675
Compressor Type				43	43
Net Weight			kg	Twin Rotary	Twin Rotary
Dimension			mm	33.4	33.4
				770 x 545 x 288	770 x 545 x 288
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.  
 ※ This product contains Fluorinated greenhouse gases (R32).  
 ※ S : Sleep / L : Low / M : Medium / H : High  
 ※ GWP : Global warming potential  
 ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000  
 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.  
 ※ Y : Available or Applied / - : Not Available or Not Applied



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

Option: Black frame

Single Combination

UNIT				9K	12K
INDOOR				A09GA1.NSE	A12GA1.NSE
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 4.70
Power Input	Heating -7°C	Rated	kW	2.60	3.20
	Cooling / Heating	Rated	W	600 / 808	1,020 / 1,078
EER			W/W	4.17	3.43
S.E.E.R.				7.2	6.9
P design C			kW	2.5	3.5
COP			W/W	4.08	3.71
S.C.O.P		(Average / Warmer)		4.3 / 4.9	4.3 / 4.9
P design H (Average / Warmer)			kW	2.7 / 1.4	2.7 / 1.4
Energy Label (A+++ to D Scale)	Cooling			A++	A++
Annual Energy Consumption	Heating	(Average / Warmer)	kWh	A+ / A++	A+ / A++
	Cooling		kWh	121	177
Sound Pressure*	Heating	(Average / Warmer)	kWh	879 / 373	879 / 373
	Cooling	S / L / M / H	dB(A)	20 / 28 / 36 / 42	20 / 28 / 36 / 42
Sound Power	Heating	L / M / H	dB(A)	28 / 36 / 42	28 / 36 / 42
	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m <sup>3</sup> /min	3 / 6 / 8 / 10 / 12	3 / 6 / 8 / 10 / 12
	Heating	L / M / H	m <sup>3</sup> /min	6 / 8 / 10	6 / 8 / 10
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Min. / Rated / Max.	A	1.1 / 3.0 / 6.0	1.1 / 4.6 / 6.2
	Heating	Min. / Rated / Max.	A	1.1 / 3.7 / 7.2	1.1 / 4.8 / 7.2
Starting Current	Cooling / Heating	Rated	A	3.0 / 3.7	4.6 / 4.8
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	20	20
Power Supply Cable			N x mm <sup>2</sup>	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm <sup>2</sup>	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	652 x 652 x 158	652 x 652 x 158
Net Weight			kg	20	20
Fan Motor Output			W	32.7	32.7
OUTDOOR				A09GA1.U18	A12GA1.U18
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	50 / 53	50 / 53
	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m <sup>3</sup> /min	35	35
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.800	0.800
	Additional Charge		t-CO <sub>2</sub> eq	0.540	0.540
	GWP		g/m	20	20
Fan Motor Output			W	675	675
Compressor Type				43	43
Net Weight			kg	Twin Rotary	Twin Rotary
Dimension			mm	33.4	33.4
				770 x 545 x 288	770 x 545 x 288
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

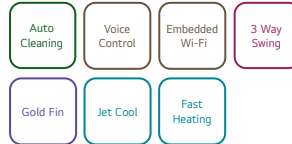
※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

(end of life)

### Single Combination

UNIT				9K	12K
INDOOR				A09FT NSF	A12FT NSF
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 5.10
	Heating -7°C	Rated	kW	3.20	3.50
Power Input	Cooling / Heating	Rated	W	658 / 831	1,050 / 1,108
EER			W/W	3.80	3.33
S.E.E.R.				6.80	6.60
P design C			kW	2.50	3.50
COP			W/W	3.97	3.61
S.C.O.P		(Average / Warmer)		4.00 / 4.60	4.00 / 4.60
P design H (Average / Warmer)			kW	2.70 / 1.50	2.70 / 1.50
Energy Label (A+++ to D Scale)	Cooling			A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	129	186
	Heating	(Average / Warmer)	kWh	945 / 457	945 / 457
Sound Pressure	Cooling	S / L / M / H	dB(A)	27 / 35 / 39 / 45	27 / 35 / 39 / 45
	Heating	L / M / H	dB(A)	35 / 39 / 45	35 / 39 / 45
Sound Power	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	6.0 / 7.6 / 9.0 / 10.0	6.0 / 7.6 / 9.0 / 10.0
	Heating	L / M / H	m³/min	6.1 / 7.8 / 9.3	6.1 / 7.8 / 9.3
Dehumidification Rate			l/h	1.1	1.3
Running Current	Cooling	Min. / Rated / Max.	A	1.10 / 3.20 / 6.00	1.10 / 4.90 / 6.00
	Heating	Min. / Rated / Max.	A	1.10 / 4.10 / 7.00	1.10 / 5.10 / 7.00
Starting Current	Cooling / Heating	Rated	A	3.20 / 4.10	4.90 / 5.10
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	600 x 600 x 146	600 x 600 x 146
Net Weight			kg	14.4	14.4
Fan Motor Output			W	16.7	16.7
OUTDOOR				A09FT UL2	A12FT UL2
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24
Sound Pressure	Cooling / Heating	High	dB(A)	51 / 51	51 / 51
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m³/min	35	35
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type		kg	R32	R32
	Charge at 7.5m		t-CO <sub>2</sub> eq	0.800	0.800
	Additional Charge		g/m	20	20
	GWP			675	675
Fan Motor Output			W	43	43
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	34.4	34.4
Dimension			mm	770 x 545 x 288	770 x 545 x 288
ACCESSORIES & OTHERS					
Multi Compatible				-	-
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				-	-

- ※ This product contains Fluorinated greenhouse gases (R32).
- ※ S : Sleep / L : Low / M : Medium / H : High
- ※ GWP : Global warming potential
- ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000
- ※ Specification, design and feature are subject to change without prior notice.



UVnano™



DUAL Inverter Compressor

Low Noise 19dB

Active Energy Control

Fast Cooling

Fast Heating

Plasmaster<sup>+</sup> Ionizer<sup>++</sup>

Allergy Filter

Mobile LG MV

Embedded Wi-Fi

Smart Diagnosis

Gold Fin

Multi Compatible

LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

### Single Combination

UNIT				9K	12K	18K	24K
INDOOR				AC09BK NSJ	AC12BK NSJ	AC18BK NSK	AC24BK NSK
INDOOR				AB09BK NSJ	AB12BK NSJ	AB18BK NSK	AB24BK NSK
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 5.10	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
	Heating -7°C	Rated	kW	2.60	3.00	4.20	6.00
Power Input	Cooling / Heating	Rated	W	656 / 800	1,080 / 1,050	1,562 / 1,611	2,164 / 2,238
EER			W/W	3.81	3.24	3.20	3.05
S.E.E.R.				7.00	6.60	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.13	3.81	3.60	3.35
S.C.O.P		(Average / Warmer)		4.00 / 4.90	4.00 / 4.90	4.30 / 5.30	4.30 / 5.30
P design H (Average / Warmer)			kW	2.50 / 1.30	2.50 / 1.30	3.90 / 2.10	5.00 / 2.70
Energy Label (A+++ to D Scale)	Cooling			A++	A++	A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250	335
	Heating	(Average / Warmer)	kWh	875 / 371	875 / 371	1,270 / 555	1,628 / 713
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling		dB(A)	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	3.0 / 4.2 / 7.5 / 10.0 / 12.5	3.0 / 4.2 / 7.5 / 10.0 / 12.5	8.0 / 10.5 / 13.0 / 14.5 / 15.5	8.0 / 10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H	m³/min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Min. / Rated / Max.	A	1.10 / 3.30 / 6.00	1.10 / 4.70 / 6.00	1.20 / 6.90 / 9.00	1.20 / 9.80 / 14.00
	Heating	Min. / Rated / Max.	A	1.10 / 4.00 / 7.00	1.10 / 4.70 / 7.00	1.20 / 7.10 / 9.50	1.20 / 10.00 / 14.00
Starting Current	Cooling / Heating	Rated	A	3.30 / 4.00	4.70 / 4.70	6.90 / 7.10	9.80 / 10.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
				(Including Earth)	(Including Earth)	(Including Earth)	(Including Earth)
Dimension			mm	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	9.9	9.9	12.8	13.5
Fan Motor Output			W	30	30	30	58
OUTDOOR				AC09BK UA3	AC12BK UA3	AC18BK UL2	AC24BK U24
OUTDOOR				AB09BK UA3	AB12BK UA3	AB18BK UL2	AB24BK U24
Operation Range	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	48 / 50	48 / 50	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m³/min	27	27	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (ODU / IDU)	Min. / Max.	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size			mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO <sub>2</sub> eq	0.473	0.473	0.675	0.743
	Additional Charge		g/m	20	20	20	20
GWP				675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				-	-	-	-
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

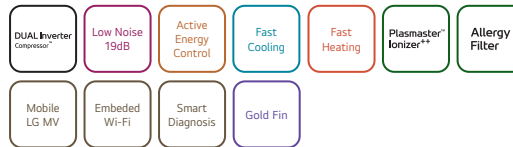
※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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(end of life)



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## Single Combination

UNIT				9K	12K
INDOOR				F09MT NSM	F12MT NSM
Capacity	Cooling	Min. / Rated / Max.	kW	0.30 / 2.50 / 4.00	0.30 / 3.50 / 4.25
	Heating	Min. / Rated / Max.	kW	0.30 / 3.20 / 6.90	0.30 / 4.00 / 7.32
Power Input	Heating -7°C	Rated	kW	4.30	4.70
	Cooling / Heating	Rated	W	490 / 593	833 / 785
EER			W/W	5.10	4.20
S.E.E.R.				9.40	9.10
P design C			kW	2.50	3.50
COP			W/W	5.40	5.10
S.C.O.P		(Average / Warmer)		5.10 / 6.60	5.10 / 6.60
P design H (Average / Warmer)			kW	3.70 / 2.05	3.80 / 2.05
Energy Label (A+++ to D Scale)	Cooling			A+++	A+++
Annual Energy Consumption	Heating	(Average / Warmer)	kWh	A+++ / A+++	A+++ / A+++
	Cooling		kWh	93	135
Sound Pressure*	Heating	Average	kWh	1,016	1,043
	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 40	19 / 27 / 35 / 40
Sound Power	Heating	L / M / H	dB(A)	27 / 35 / 40	27 / 35 / 40
	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	6.6 / 8.7 / 11.1 / 12.4 / 15.5	6.6 / 8.7 / 11.1 / 12.4 / 15.5
	Heating	L / M / H	m³/min	8.7 / 11.1 / 14.3	8.7 / 11.1 / 14.3
Dehumidification Rate			l/h	1.7	1.7
Running Current	Cooling	Min. / Rated / Max.	A	0.70 / 3.80 / 8.10	0.70 / 6.10 / 8.10
	Heating	Min. / Rated / Max.	A	1.05 / 4.60 / 8.80	1.05 / 5.80 / 8.80
Starting Current	Cooling / Heating	Rated	A	3.80 / 4.60	6.10 / 5.80
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	875 x 295 x 235	875 x 295 x 235
Net Weight			kg	11.0	11.0
Fan Motor Output			W	30	30
OUTDOOR				F09MT U24	F12MT U24
Operation Range	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C DB	-25 / 24	-25 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	48 / 50	48 / 50
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m³/min	49	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	1.000	1.000
	Additional Charge		t-CO <sub>2</sub> eq	0.675	0.675
	GWP		g/m	20	20
Fan Motor Output			W	85	85
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	43.0	43.0
Dimension			mm	870 x 650 x 330	870 x 650 x 330
ACCESSORIES & OTHERS					
Multi Compatible				-	-
PI 485				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

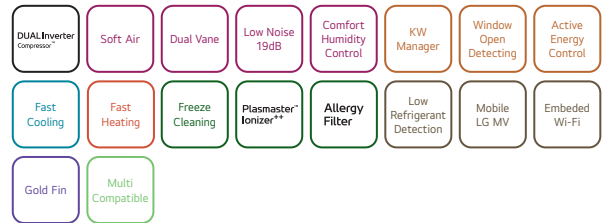
※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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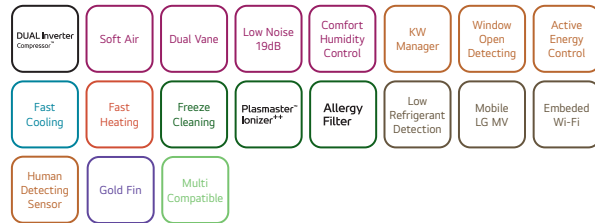


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### Single Combination

UNIT				9K	12K	18K	24K
INDOOR				H09S1D.NS1	H12S1D.NS1	H18S1D.NS1	H24S1D.NS1
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.80	0.89 / 3.50 / 4.20	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.65 / 3.20 / 4.90	0.65 / 4.00 / 5.40	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
Power Input	Cooling / Heating	Rated	W	555 / 700	890 / 920	1,545 / 1,560	2,164 / 2,238
	Heating -7°C	Rated	W/W	4.50	3.93	3.24	3.05
EER				8.70	8.50	7.00	6.90
S.E.E.R.				2.50	3.50	5.00	6.60
P design C				4.57	4.35	3.72	3.35
COP			W/W	4.60	4.60	4.30	4.30
S.C.O.P		(Average / Warmer)		2.80	2.80	3.90	5.00
P design H (Average / Warmer)			kW	2.80	2.80	3.90	5.00
Energy Label (A+++ to D Scale)	Cooling			A+++	A+++	A++	A++
	Heating	(Average / Warmer)		A++	A++	A+	A+
Annual Energy Consumption	Cooling		kWh	103	144	250	335
	Heating	(Average / Warmer)	kWh	852	852	1,270	1,628
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 40	19 / 27 / 37 / 40	29 / 34 / 42 / 47	29 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 35 / 40	27 / 35 / 40	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling		dB(A)	60	60	65	65
	Heating						
Air Flow Rate	Cooling	S / L / M / H / Max.	m³/min	2.0 / 5.7 / 8.1 / 10.5 / 13.6	2.0 / 5.7 / 8.1 / 10.5 / 13.6	- / 8.1 / 9.9 / 11.7 / 13.6	- / 8.1 / 9.9 / 11.7 / 14.8
	Heating	L / M / H	m³/min	5.7 / 8.1 / 10.5	5.7 / 8.1 / 10.5	8.1 / 9.9 / 11.7	8.1 / 11.1 / 13.6
Dehumidification Rate			l/h	1.15	1.3	1.8	2.5
Running Current	Cooling	Min. / Rated / Max.	A	1.5 / 2.6 / 5.5	1.5 / 4.1 / 6.1	1.6 / 6.9 / 9.0	1.6 / 9.8 / 14.0
	Heating	Min. / Rated / Max.	A	1.5 / 3.2 / 6.3	1.5 / 4.25 / 7.0	1.6 / 7.0 / 9.5	1.6 / 10.0 / 14.0
Starting Current	Cooling / Heating	Rated	A	2.6 / 3.2	4.10 / 4.25	6.9 / 7.0	9.8 / 10.0
Power Supply			Ø / V / Hz	1/220-240/50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	15	20
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0	3 x 1.0	3 x 2.5
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	895 X 307 X 235	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	12.6	12.6	13	13
Fan Motor Output			W	30	30	30	30
OUTDOOR				H09S1D.U12	H12S1D.U12	H18S1D.U18	H24S1D.U24
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24	-10 / 24	-10 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	49 / 51	49 / 51	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	7	10	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.800	0.800	1.050	1.150
	t-CO <sub>2</sub> eq			0.540	0.540	0.710	0.780
	Additional Charge GWP		g/m	20	20	20	20
Fan Motor Output			W	675	675	675	675
Compressor Type				43	43	43	85
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				N	N	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.  
 ※ Open window detection from April 2024 manufactured models  
 ※ This product contains Fluorinated greenhouse gases (R32).  
 ※ S : Sleep / L : Low / M : Medium / H : High  
 ※ GWP : Global warming potential  
 ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000  
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DUALCOOL PREMIUM

## Single Combination

UNIT				9K	12K
INDOOR				H09S1P.NS1	H12S1P.NS1
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 4.00	0.89 / 3.50 / 4.35
	Heating	Min. / Rated / Max.	kW	0.65 / 3.20 / 5.50	0.65 / 4.00 / 6.00
	Heating -7°C	Rated	kW	3.60	4.00
Power Input	Cooling / Heating	Rated	W	510 / 640	815 / 850
EER			W/W	4.9	4.29
S.E.E.R.				9.7	9.5
P design C			kW	2.5	3.5
COP			W/W	5.00	4.71
S.C.O.P		(Average / Warmer)		5.1	5.1
P design H (Average / Warmer)			kW	2.8	2.8
Energy Label	Cooling			A+++	A+++
(A+++ to D Scale)	Heating	(Average / Warmer)		A+++	A+++
Annual Energy Consumption	Cooling		kWh	90	129
	Heating	(Average / Warmer)	kWh	769	769
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 40	19 / 27 / 35 / 40
	Heating	L / M / H	dB(A)	27 / 35 / 40	27 / 35 / 40
Sound Power	Cooling		dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m <sup>3</sup> /min	2.0 / 5.7 / 8.1 / 10.5 / 13.6	2.0 / 5.7 / 8.1 / 10.5 / 13.6
	Heating	L / M / H	m <sup>3</sup> /min	5.7 / 8.1 / 10.5	5.7 / 8.1 / 10.5
Dehumidification Rate			l/h	1.15	1.30
Running Current	Cooling	Min. / Rated / Max.	A	1.3 / 3.1 / 6.0	1.3 / 3.75 / 6.5
	Heating	Min. / Rated / Max.	A	1.3 / 3.2 / 7.0	1.3 / 4.0 / 7.5
Starting Current	Cooling / Heating	Rated	A	3.1 / 3.2	3.75 / 4.0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm <sup>2</sup>	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm <sup>2</sup>	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	12.5	12.5
Fan Motor Output			W	30	30
OUTDOOR				H09S1PU18	H12S1PU18
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	49 / 51	49 / 51
Sound Power	Cooling	High	dB(A)	65	65
Air Flow Rate		High	m <sup>3</sup> /min	35	35
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20
	Elevation (ODU / IDU)	Min. / Max.	m	10	10
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.900	0.900
	Additional Charge		t-CO <sub>2</sub> eq	0.608	0.608
	GWP		g/m	20	20
Fan Motor Output			W	675	675
Compressor Type				43	43
Net Weight			kg	Twin Rotary	Twin Rotary
Dimension			mm	29.9	29.9
				770 x 545 x 288	770 x 545 x 288
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

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 ※ Open window detection from April 2024 manufactured models  
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※ S : Sleep / L : Low / M : Medium / H : High

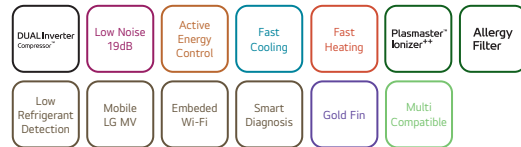
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RESIDENTIAL  
WALL MOUNTED



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### Single Combination

UNIT				9K	12K	18K	24K
INDOOR				DC09RK NSJ	DC12RK NSJ	DC18RK NSK	DC24RK NSK
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.89 / 3.20 / 5.00	0.89 / 4.00 / 6.00	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
Power Input	Heating -7°C	Rated	kW	3.20	3.50	4.20	6.00
	Cooling / Heating	Rated	W	572 / 711	933 / 976	1,562 / 1,611	2,164 / 2,238
EER			W/W	4.37	3.75	3.20	3.05
S.E.E.R.				7.90	7.60	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.50	4.10	3.60	3.35
S.C.O.P		(Average / Warmer)		4.60 / 5.40	4.60 / 5.40	4.30 / 5.30	4.30 / 5.30
P design H (Average / Warmer)			kW	2.80 / 1.50	2.90 / 1.50	3.90 / 2.10	5.00 / 2.70
Energy Label (A+++ to D Scale)	Cooling			A++	A++	A++	A++
	Heating	(Average / Warmer)		A++ / A++	A++ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	111	161	250	335
	Heating	(Average / Warmer)	kWh	852 / 389	883 / 389	1,270 / 555	1,628 / 713
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 37 / 42	19 / 27 / 37 / 42	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 37 / 42	27 / 37 / 42	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling		dB(A)	60	60	60	65
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m <sup>3</sup> /min	3.5 / 5.5 / 9.0 / 11.0 / 13.0	3.5 / 5.5 / 9.0 / 11.0 / 13.0	8.0 / 10.5 / 13.0 / 14.5 / 15.5	8.0 / 10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H	m <sup>3</sup> /min	6.5 / 9.0 / 11.0	6.5 / 9.0 / 11.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
	Cooling	Min. / Rated / Max.	A	1.00 / 2.50 / 6.00	1.00 / 4.00 / 6.00	1.20 / 6.90 / 9.00	1.20 / 9.80 / 14.00
Running Current	Heating	Min. / Rated / Max.	A	1.00 / 3.20 / 7.00	1.00 / 4.30 / 7.00	1.20 / 7.10 / 9.50	1.20 / 10.00 / 14.00
	Cooling / Heating	Rated	A	2.50 / 3.20	4.00 / 4.30	6.90 / 7.10	9.80 / 10.00
Starting Current	Cooling / Heating	Rated	A	2.50 / 3.20	4.00 / 4.30	6.90 / 7.10	9.80 / 10.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm <sup>2</sup>	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable			N x mm <sup>2</sup>	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
				(Including Earth)	(Including Earth)	(Including Earth)	(Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	9.1	9.1	11.9	12.7
Fan Motor Output			W	30	30	30	58
OUTDOOR				DC09RK UL2	DC12RK UL2	DC18RK UL2	DC24RK U24
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24	-10 / 24	-10 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	49 / 51	49 / 51	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m <sup>3</sup> /min	35	35	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20	3 / 20	3 / 30
	Elevation (ODU / IDU)	Min. / Max.	m	10	10	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.800	0.800	1.000	1.100
			t-CO <sub>2</sub> eq	0.540	0.540	0.675	0.743
	Additional Charge		g/m	20	20	20	20
GWP				675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	34.1	34.1	34.4	46.0
Dimension			mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				Y	Y	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

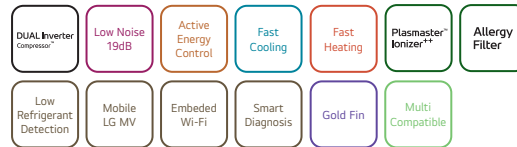
※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied





LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

## Single Combination

UNIT				9K	12K	18K	24K
INDOOR				PC09ST NSJ	PC12ST NSJ	PC18ST NSK	PC24ST NSK
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 5.10	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
Power Input	Heating -7°C	Rated	kW	2.60	3.00	4.20	6.00
	Cooling / Heating	Rated	W	656 / 800	1,080 / 1,050	1,562 / 1,611	2,164 / 2,238
EER			W/W	3.81	3.24	3.20	3.05
S.E.E.R.				7.00	6.60	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.13	3.81	3.60	3.35
S.C.O.P		(Average / Warmer)		4.00 / 4.90	4.00 / 4.90	4.30 / 5.30	4.30 / 5.30
P design H (Average / Warmer)			kW	2.50 / 1.30	2.50 / 1.30	3.90 / 2.10	5.00 / 2.70
Energy Label	Cooling			A++	A++	A++	A++
(A+++ to D Scale)	Heating	(Average / Warmer)		A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250	335
Sound Pressure*	Heating	(Average / Warmer)	kWh	875 / 371	875 / 371	1,270 / 555	1,628 / 713
	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
Sound Power	Heating	L / M / H	dB(A)	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
	Cooling		dB(A)	59	59	60	65
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m <sup>3</sup> /min	3.0 / 4.2 / 7.5 / 10.0 / 12.5	3.0 / 4.2 / 7.5 / 10.0 / 12.5	8.0 / 10.5 / 13.0 / 14.5 / 15.5	8.0 / 10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H	m <sup>3</sup> /min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Min. / Rated / Max.	A	1.10 / 3.30 / 6.00	1.10 / 4.70 / 6.00	1.20 / 6.90 / 9.00	1.20 / 9.80 / 14.00
	Heating	Min. / Rated / Max.	A	1.10 / 4.00 / 7.00	1.10 / 4.70 / 7.00	1.20 / 7.10 / 9.50	1.20 / 10.00 / 14.00
Starting Current	Cooling / Heating	Rated	A	3.30 / 4.00	4.70 / 4.70	6.90 / 7.10	9.80 / 10.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm <sup>2</sup>	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable				4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
				(Including Earth)	(Including Earth)	(Including Earth)	(Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	8.7	8.7	11.9	12.7
Fan Motor Output			W	30	30	30	58
OUTDOOR				PC09ST UA3	PC12ST UA3	PC18ST UL2	PC24ST U24
Operation Range	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure*	Cooling / Heating	High	dB(A)	48 / 50	48 / 50	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m <sup>3</sup> /min	27	27	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (ODU / IDU)	Min. / Max.	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
	t-CO <sub>2</sub> eq			0.473	0.473	0.675	0.743
	Additional Charge		g/m	20	20	20	20
GWP				675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	25.1	25.1	34.4	46.0
Dimension			mm	717 x 495 x 230	717 x 495 x 230	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				-	-	-	-
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

### Single Combination

UNIT				9K	12K
INDOOR				AP09RK NSJ	AP12RK NSJ
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.00
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 4.70
Power Input	Heating -7°C	Rated	kW	2.60	3.00
	Cooling / Heating	Rated	W	710 / 850	1,160 / 1,130
EER			W/W	3.52	3.02
S.E.E.R.				6.60	6.20
P design C			kW	2.50	3.50
COP			W/W	3.88	3.54
S.C.O.P		(Average / Warmer)		4.0 / 5.0	4.0 / 5.0
P design H (Average / Warmer)			kW	2.5 / 1.4	2.5 / 1.4
Energy Label (A+++ to D Scale)	Cooling			A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++
Annual Energy Consumption	Cooling		kWh	133	198
	Heating	(Average / Warmer)	kWh	875 / 393	875 / 393
Sound Pressure	Cooling	S / L / M / H	dB(A)	21 / 27 / 35 / 42	21 / 27 / 35 / 42
	Heating	L / M / H	dB(A)	30 / 35 / 41	30 / 35 / 41
Sound Power	Cooling		dB(A)	59	59
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m³/min	3.0 / 4.2 / 6.6 / 10.0 / 11.0	3.0 / 4.2 / 6.6 / 10.0 / 11.0
	Heating	L / M / H	m³/min	4.2 / 6.6 / 10.0	4.2 / 6.6 / 10.0
Dehumidification Rate			l/h	1.10	1.30
Running Current	Cooling	Min. / Rated / Max.	A	1.1 / 3.5 / 6.0	1.1 / 5.2 / 6.2
	Heating	Min. / Rated / Max.	A	1.1 / 4.0 / 7.0	1.1 / 5.1 / 7.0
Starting Current	Cooling / Heating	Rated	A	3.50 / 4.00	5.20 / 5.10
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15
Power Supply Cable			N x mm²	3 x 1.0	3 x 1.0
Power & Transmission Cable			N x mm²	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	857 x 348 x 189	857 x 348 x 189
Net Weight			kg	9.4	9.4
Fan Motor Output			W	30	30
OUTDOOR				AP09RK UA3	AP12RK UA3
Operation Range	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24
Sound Pressure	Cooling / Heating	High	dB(A)	48 / 50	48 / 50
Sound Power	Cooling	High	dB(A)	65	65
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 15	3 / 15
	Elevation (ODU / IDU)		m	7	7
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32
	Charge at 7.5m		kg	0.700	0.700
	t-CO <sub>2</sub> eq			0.473	0.473
	Additional Charge		g/m	20	20
GWP				675	675
Fan Motor Output			W	43	43
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	25.8	25.8
Dimension			mm	717 x 495 x 230	717 x 495 x 230
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				-	-
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

※ This product contains Fluorinated greenhouse gases (R32).  
 ※ S : Sleep / L : Low / M : Medium / H : High  
 ※ GWP : Global warming potential  
 ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000  
 ※ Specification, design and feature are subject to change without prior notice.

		ARTCOOL			DUALCOOL					
		Gallery Premium	Gallery Special	Mirror/ Beige	Prestige	Premium	Deluxe	Deluxe inverter DC	Standaard PLUS PC	Air Purification AP
Wired Remote Controller	5k									
	7k									
	9k	Y	Y	Y	Y	Y	Y	Y	Y	Y
	12k	Y	Y	Y	Y	Y	Y	Y	Y	Y
	15k									
	18k			Y				Y	Y	-
	24k			Y				Y	Y	-
PI 485	5k									
	7k									
	9k	Y	Y	-	-	Y	-	Y	-	-
	12k	Y	Y	-	-	Y	-	Y	-	-
	15k									
	18k			-				Y	-	-
	24k			-				Y	-	-
Dry Contact	5k									
	7k									
	9k	Y	Y	Y	Y	Y	Y	Y	Y	Y
	12k	Y	Y	Y	Y	Y	Y	Y	Y	Y
	15k									
	18k			Y				Y	Y	-
	24k			Y				Y	Y	-

\* Y : Available

\* When connected to Multi 14k & 16k Outdoor units, this may not be supported.

## Standard Wired Remote Controller



Standard III  
PREMTB101



Standard III  
PREMTBB11



Standard II  
PREMTB001



Standard II  
PREMTBB01

Model Name	PREMTB101 PREMTBB11	PREMTB001 PREMTBB01
Operation Mode	On / Off, Fan Speed Control, Temperature Setting	
Mode Change	Cooling, Heating, Auto, Dehumidification, Fan	
Auto Swing / Vane Control	•	•
Reservation	Simple, Sleep, On / Off, Weekly, Holiday	
Time Display	•	•
Electrical Failure Compensation	•	•
Child Lock	•	•
Operation Status LED	•	•
Indoor Temperature Display	•	•
Wireless Remote Controller Receiver	-	•
Size (W x H x D, mm)	120 x 120 x 16	120 x 121 x 16
Backlight	•	•
Display AirQuality Status	-	-

※ Refer to each model PDB for applicable models.

## Dry Contact



PDRYCB000



PDRYCB400



PDRYCB320



PDRYCB500 /  
PDRYCB510\*

Model	PDRYCB000	PDRYCB400	PDRYCB320	PDRYCB500 / PDRYCB510*
Contact Point	1 Control Point	2 Control Point	8 Control Point	Modbus RTU
Power Input	AC 220V from outside power source	DC 5V & 12V from indoor unit PCB	DC 5V & 12V from indoor unit PCB	DC 5V & 12 V from indoor unit PDB
Voltage / Non Voltage Input	-	•	•	-
On / Off Control	•	•	•	•
Lock / Unlock	-	•	-	-
Fan Speed Setting	-	-	•	•
Thermo Off	-	•	•	-
Energy Saving	-	•	-	-
Temperature Setting	-	•	•	•
Error Monitoring	•	•	•	•
Operation Monitoring	•	•	•	•

※ Refer to each product PDB for applicable models.

\* No case for PDRYCB510

## Télécommande



DUALCOOL Prestige  
DELUXE INVERTER DC  
STANDAARD PLUS PC



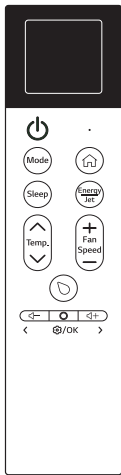
DUALCOOL Premium  
DUALCOOL Deluxe

Bouton	Écran d'affichage	Description
	-	Pour activer / désactiver le climatiseur.
	88 °	Pour régler la température ambiante souhaitée en mode refroidissement, chauffage ou commutation automatique.
<b>AIR DE CONFORT</b>	-	Pour ajuster le flux d'air au fluxindirect.
<b>LUMIÈRE ÉTEINTE</b>	-	Pour régler la luminosité de l'écran de l'unité intérieure.
<b>MODE</b>		Pour sélectionner le mode de refroidissement.
		Pour sélectionner le mode de chauffage.
		Pour sélectionner le mode de déshumidification.
		Pour sélectionner le mode de ventilation.
		Pour sélectionner la commutation automatique / le mode de fonctionnement automatique.
<b>VITESSE DU VENTILATEUR</b>		Pour régler la vitesse du ventilateur.
<b>CTRL. ÉNERGIE</b>	-	Pour activer l'économie d'énergie.
<b>MODE JET</b>		Pour changer rapidement la température de la pièce.
		Pour régler la direction du flux d'air verticalement ou horizontalement.
<b>TEMP PIÈCE</b>		Pour afficher la température ambiante.
°C ↔ °F [5 S]		Pour changer d'unité entre °C et °F.
<b>RÉGLER / ANNULER</b>	-	Pour régler / annuler les fonctions et la minuterie.
	-	Pour ajuster l'heure.
	-	Pour activer / désactiver automatiquement le climatiseur.
	-	Pour annuler les réglages de la minuterie.

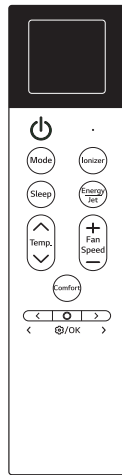
Bouton	Description
	<b>Alimentation</b> Allume ou éteint l'appareil.
	<b>Connexion à LG ThinQ</b> Appuyez sur le bouton d'alimentation pour préparer le statut à la connexion de l'appareil et du wi-fi.
	<b>Mode</b> Sélectionne le mode de fonctionnement souhaité. - Chaque pression modifie le mode dans cet ordre : Refroidissement → Auto → Déshumidification → Chauffage → Ventilateur
	<b>Un air doux</b> Vous restez au frais sans ressentir de courant d'air.
	<b>Température ^, v</b> Règle la température ambiante souhaitée.
	<b>Vitesse du ventilateur +, -</b> Règle la vitesse du ventilateur.
	<b>Balance entre haut et bas</b> Règle la direction du flux d'air vers le haut et vers le bas.
	<b>Mode de nettoyage</b> Lorsque la télécommande et l'appareil sont éteints, appuyez sur le bouton  et maintenez-le enfoncé pendant environ 5 secondes pour fixer l'ailette et la nettoyer facilement.
	<b>Mode Jet</b> Change rapidement la température de la pièce.
	<b>Contrôle de l'énergie</b> Diminuer la puissance absorbée. Vous pouvez contrôler la consommation d'énergie.
	<b>Sortie (3 S)</b> Lorsque vous introduisez les réglages, appuyez sur le bouton  et maintenez-le enfoncé pendant environ 3 secondes pour revenir au réglage précédent.
	<b>Fonction</b> Sélectionne la fonction souhaitée.
	<b>Purifier l'air</b> Fournit de l'air propre et frais grâce à des particules ioniques.
	<b>Température intérieure (3 S)</b> Appuyez sur le bouton  et maintenez-le enfoncé pendant environ 3 secondes pour afficher la température ambiante.
	<b>Réinitialisation</b> Réinitialise le réglage de la télécommande sans fil.

※ Les caractéristiques de la télécommande peuvent varier d'un modèle à l'autre.  
※ Les spécifications, la conception et les caractéristiques de la télécommande peuvent être modifiées sans préavis.

# Télécommande



ARTCOOL  
Gallery Premium



ARTCOOL  
Gallery Special

Image	Description
	<p><b>Alimentation</b> Allume ou éteint l'appareil.</p> <p><b>Connexion à LG ThinQ</b> Prépare l'état pour la connexion du produit et du wi-fi en appuyant sur le bouton d'alimentation et en le maintenant enfoncé pendant 3 secondes.</p>
	<p><b>Mode</b> Permet de sélectionner le mode de fonctionnement souhaité tel que le refroidissement, le mode auto, la déshumidification, le chauffage ou le ventilateur ou de connecter le produit et la télécommande.</p> <ul style="list-style-type: none"> <li>Chaque pression change le mode dans cet ordre : Refroidissement → Auto → Déshumidification → Chauffage → Ventilateur</li> <li>Connectez le produit et la télécommande en appuyant sur le bouton et en le maintenant pendant 3 secondes.</li> </ul>
	<p><b>Veille</b> Définit le mode veille pour vous aider à mieux dormir.</p> <ul style="list-style-type: none"> <li>La programmation de veille commence à partir de 30 minutes et peut être réglée par tranches horaires jusqu'à 12 heures.</li> </ul>
	<p><b>Affichage</b> <span style="border: 1px solid red; border-radius: 5px; padding: 2px;">Premium uniquement</span> Permet d'allumer, d'éteindre ou de modifier l'écran du produit.</p> <ul style="list-style-type: none"> <li>Chaque fois que vous appuyez sur le bouton Affichage, l'écran du produit change dans l'ordre suivant : écran de couverture ? écran d'accueil.</li> <li>Allumez ou éteignez l'écran du produit en appuyant sur le bouton  et en le maintenant pendant 3 secondes.</li> </ul>
	<p><b>Énergie / Jet</b> Règle Power Saving, Smart Care, Cool Power, ou règle sur Comfort Air.</p> <ul style="list-style-type: none"> <li>Chaque fois que vous appuyez sur la touche Energy / Jet, le mode change dans l'ordre suivant : Power Saving ? Smart Care ? Cool Power ? Cooling.</li> <li>Activez ou désactivez le flux indirect en appuyant sur la touche Energy / Jet et en la maintenant enfoncée pendant 3 secondes.</li> </ul>
	<p><b>Température</b> </p> <p>Réglez la température souhaitée en appuyant sur le bouton   de la télécommande.</p> <ul style="list-style-type: none"> <li>La température souhaitée peut être réglée entre 18 °C et 30 °C pour le mode refroidissement.</li> <li>La température souhaitée peut être réglée entre 16 °C et 30 °C pour le mode chauffage.</li> </ul>
	<p><b>Vitesse du ventilateur</b> </p> <p>Règle la vitesse du ventilateur</p> <ul style="list-style-type: none"> <li>La vitesse du ventilateur peut être réglée dans l'ordre suivant : 1 ↔ 2 ↔ 3 ↔ 4 ↔ 5 ↔ flux naturel.</li> </ul>
	<p><b>Confort</b> <span style="border: 1px solid gray; border-radius: 5px; padding: 2px;">Special uniquement</span> Réglez de façon à ce qu'aucun air ne sorte de la sortie d'air située au bas du produit, afin qu'il ne soit pas directement touché par l'air.</p>

















	<p><b>Special uniquement</b> Déplacez vers la gauche et la droite pour utiliser le réglage.</p>
	<p><b>Pointeur</b> <span style="border: 1px solid red; border-radius: 5px; padding: 2px;">Premium uniquement</span> Vérifie ou règle différentes fonctions sur l'écran du produit à l'aide de la télécommande.</p>
	<p><b>Volume sonore -</b> <span style="border: 1px solid red; border-radius: 5px; padding: 2px;">Premium uniquement</span> Réduit ou désactive le son de notification qui vous avertit lorsque vous configurez ou modifiez les caractéristiques d'un produit.</p>
	<p><b>Volume sonore +</b> <span style="border: 1px solid red; border-radius: 5px; padding: 2px;">Premium uniquement</span> Active ou augmente le son de notification qui vous avertit lorsque vous configurez ou modifiez les caractéristiques d'un produit.</p>
	<p> Règle l'ioniseur, le séchage IA, le nettoyage de l'échangeur de chaleur, la mise en veille, la minuterie de marche et d'arrêt, ou annule toutes les programmations, le diagnostic intelligent et l'indicateur de l'état de l'appareil.</p>
	<p><b>Réinitialisation</b> Réinitialise le réglage de la télécommande sans fil. Ouvrez le couvercle de la pile de la télécommande et appuyez sur le bouton Reset pour la réinitialiser.</p>
	<p><span style="border: 1px solid red; border-radius: 5px; padding: 2px;">Premium uniquement</span> Si le système du produit fonctionne lentement ou se fige pendant l'utilisation du produit, ou si le produit s'éteint soudainement, vous pouvez redémarrer le produit.</p> <ul style="list-style-type: none"> <li>Appuyez simultanément sur les boutons  et  de la télécommande et maintenez-les pendant 3 secondes.</li> </ul>
<b>Ioniseur</b>	Les particules ioniques de l'ioniseur réduisent les bactéries de surface et les autres substances nocives.
<b>Séchage IA</b>	La moisissure restant dans l'échangeur de chaleur peut être éliminée en faisant fonctionner le produit dans l'état de soufflage pendant un certain temps.
<b>Veille</b>	Définit le mode veille pour vous aider à mieux dormir.
<b>Minuterie de mise en marche</b>	Planifie la mise en marche du produit.
<b>Minuterie d'arrêt</b>	Planifie l'arrêt du produit.
<b>Annuler toute Programmation</b>	Annule toutes les fonctionnalités programmées.
<b>Diagnostic intelligent</b>	Diagnostic la cause de la défaillance du produit.
<b>Indicateur d'état</b>	<p><span style="border: 1px solid gray; border-radius: 5px; padding: 2px;">Special uniquement</span> Permet d'allumer et d'éteindre la lumière LED située en bas à droite du produit.</p>

## NOTE

- En fonction de l'état de la connexion Bluetooth de la télécommande, l'écran qui apparaît sur l'écran de la télécommande peut varier.
- Lorsque vous éteignez et rallumez la télécommande, les derniers réglages utilisés apparaissent sur l'écran de la télécommande.
- Selon le modèle, l'affichage de la télécommande peut différer de l'image figurant dans le manuel d'utilisation.
- Les fonctionnalités disponibles peuvent varier en fonction du modèle.

# MULTI SPLIT



kBTu/h		5	7	9	12	15	18	24	
kW		1.5	2.1	2.6	3.5	4.2	5.3	7.0	
Wall Mounted	Gallery Premium				○● A09GA2.NSE	○● A12GA2.NSE			
	Gallery Special				○● A09GA1.NSE	○● A12GA1.NSE			
	Gallery (end of life)				● MA09R.NS1	● MA09R.NS1			
	Mirror			● AM07BK.NSJ	○● AC09BK.NSJ	○● AC12BK.NSJ		○● AC18BK.NSK	○● AC24BK.NSK
	Beige				○● AB09BK.NSJ	○● AB12BK.NSJ		○● AB18BK.NSK	○● AB24BK.NSK
	Dualcool Deluxe				○● H09S1D.NS1	○● H12S1D.NS1		○● H18S1D.NS1	○● H24S1D.NS1
	Dualcool Premium				○● H09S1P.NS1	○● H12S1P.NS1			
	Deluxe Inverter DC			● DM07RK.NSJ	○● DC09RK.NSJ	○● DC12RK.NSJ		○● DC18RK.NSK	○● DC24RK.NSK
	Standaard Plus PC		● PM05SK.NSA	● PM07SK.NSA	○● PC09ST.NSJ	○● PC12ST.NSJ	● PM15SK.NSJ	○● PC18ST.NSK	○● PC24ST.NSK
	Air purification AP				○● S09ET.NSJ	○● S12ET.NSJ			
	Ceiling Mounted Cassette	1 Way Cassette				● MT09R.NU1	● MT11R.NU1		
4 Way Cassette			● MT06R.NR0	● MT08R.NR0	○◎ CT09F.NR0	○◎ CT12F.NR0	○◎ CT18F.NQ0	○◎ CT24F.NB0	
Ceiling Concealed Duct	Mid / High Static Pressure						○◎ CM18F.N10	○◎ CM24F.N10	
	Low Static Pressure				○◎ CL09F.N50	○◎ CL12F.N50	○◎ CL18F.N60		
								○◎ CL24F.N30	
Console	R32				○◎ UQ09F.NA0	○◎ UQ12F.NA0	○◎ UQ18F.NA0		

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

kBTu/h	14	16	18	21	24	27	30	40	kBTu/h	40	48	56	
kW	4.1	4.7	5.3	6.2	7.0	7.9	8.8	11.7	kW	11.7	14.1	16.4	
Multi 									Multi 	Distribution Box			
	MU2R15.U13 2-port	MU2R17.U13 2-port	MU3R19.U23 3-port	MU3R21.U23 3-port	MU4R25.U22 4-port	MU4R27.U42 4-port	MU5R30.U42 5-port	MU5R40.U42 5-port		FM40AH.U34 / FM41AH.U34 7-IDU	FM48AH.U34 / FM49AH.U34 8-IDU	FM56AH.U34 / FM57AH.U34 9-IDU	

※ All indoor units are compatible with R410A outdoor units.



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OUTDOOR UNITS				MU2R15.U13	MU2R17.U13
Compressor	Type			Twin Rotary	Twin Rotary
Capacity**	Cooling	Min. / Nom. / Max.	kW	0.9 / 4.1 / 4.7	0.9 / 4.7 / 5.4
	Heating	Min. / Nom. / Max.	kW	1.0 / 4.7 / 5.4	1.0 / 5.1 / 5.5
Low Temperature Capacity	Heating -7°C	Max.	kW	3.7	4.0
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.2 / 1.0 / 1.4	0.2 / 1.2 / 1.8
	Heating	Min. / Nom. / Max.	kW	0.2 / 1.1 / 1.5	0.2 / 1.2 / 1.5
Running Current	Cooling	Min. / Nom. / Max.	A	1.0 / 4.4 / 6.2	1.0 / 5.4 / 8.0
	Heating	Min. / Nom. / Max.	A	1.1 / 4.7 / 6.5	1.1 / 5.3 / 6.7
EER				4.10	3.84
COP				4.40	4.25
SEER				8.60	8.50
SCOP				4.61	4.61
Pdesign (@-10°C)			kW	3.60	3.60
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A++	A+++ / A++
Annual Energy Consumption	Cooling / Heating			167 / 1,095	193 / 1,095
Airflow Rate	Nom.		m <sup>3</sup> /min	35	35
Sound Pressure*	Cooling	Nom.	dB(A)	45	46
	Heating	Nom.	dB(A)	48	49
Sound Power	Cooling	Max.	dB(A)	60	61
Dimensions	W x H x D			770 x 545 x 288	770 x 545 x 288
Net Weight				32.5	32.5
Refrigerant	Type			R32	R32
	Charge		Kg	1.04	1.04
	Additional Charge		g/m	-	-
	GWP			675	675
	t-CO <sub>2</sub> eq			0.702	0.702
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-15 / 18	-15 / 18
Power Supply				Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable				No. x mm <sup>2</sup>	3C x 2.5
Transmission Cable				No. x mm <sup>2</sup>	4C x 0.75
Circuit Breaker				A	13
Piping Length Total				m	30
Piping Length per Branch		Max.	m	20	20
Piping Elevation Difference	IDU - ODU	Max.	m	15	15
	IDU - IDU	Max.	m	7.5	7.5
Piping Connection	Liquid	mm (inch) x No.		Ø6.35 (1/4) x 2	Ø6.35 (1/4) x 2
	Gas	mm (inch) x No.		Ø9.52 (3/8) x 2	Ø9.52 (3/8) x 2

\* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \*\* : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)





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\* This authentication applies only to 18k, 21k.

OUTDOOR UNITS				MU3R19.U23	MU3R21.U23	MU4R25.U22
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary
Capacity**	Cooling	Min. / Nom. / Max.	kW	1.1 / 5.3 / 6.3	1.1 / 6.2 / 7.3	1.1 / 7.0 / 8.5
	Heating	Min. / Nom. / Max.	kW	1.2 / 6.3 / 7.3	1.2 / 7.0 / 7.8	1.2 / 8.1 / 9.1
Low Temperature Capacity	Heating -7°C	Max.	kW	5.2	5.6	5.9
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.3 / 1.2 / 1.8	0.3 / 1.5 / 2.4	0.3 / 1.8 / 2.8
	Heating	Min. / Nom. / Max.	kW	0.3 / 1.3 / 1.9	0.3 / 1.6 / 2.2	0.3 / 1.8 / 2.9
Running Current	Cooling	Min. / Nom. / Max.	A	1.3 / 5.3 / 8.1	1.3 / 6.6 / 10.7	1.3 / 8.0 / 12.6
	Heating	Min. / Nom. / Max.	A	1.2 / 5.9 / 8.6	1.2 / 6.9 / 9.8	1.3 / 8.3 / 12.9
EER				4.43	4.15	4.00
COP				4.80	4.51	4.40
SEER				8.60	8.50	8.00
SCOP				4.65	4.65	4.40
Pdesign (@-10°C)			kW	5.00	5.00	5.40
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A+++ / A++	A+++ / A++	A++ / A+
Annual Energy Consumption	Cooling / Heating			215 / 1,505	253 / 1,505	308 / 1,718
Airflow Rate	Nom.		m <sup>3</sup> /min	50	50	50
Sound Pressure*	Cooling	Nom.	dB(A)	47	48	49
	Heating	Nom.	dB(A)	50	51	53
Sound Power	Cooling	Max.	dB(A)	61	62	64
Dimensions	W x H x D		mm	870 x 650 x 330	870 x 650 x 330	870 x 650 x 330
Net Weight			Kg	44.5	44.5	47.0
Refrigerant	Type			R32	R32	R32
	Charge		Kg	1.40	1.40	1.4
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO <sub>2</sub> eq			0.945	0.945	0.945
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-15 / 18	-15 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm <sup>2</sup>	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	16	16	20
Piping Length Total			m	50	50	70
Piping Length per Branch		Max.	m	25	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15	15
	IDU - IDU	Max.	m	7.5	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 4
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 4

\* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \*\*: See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)



\* This authentication applies only to 30k, 40k.



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OUTDOOR UNITS				MU4R27.U42	MU5R30.U42	MU5R40.U42
Compressor	Type			Twin Rotary	Twin Rotary	Scroll
Capacity**	Cooling	Min. / Nom. / Max.	kW	1.3 / 7.9 / 9.5	1.3 / 8.8 / 10.6	1.3 / 11.2 / 14.7
	Heating	Min. / Nom. / Max.	kW	1.5 / 9.1 / 10.6	1.5 / 10.1 / 12.1	1.5 / 12.5 / 16.0
Low Temperature Capacity	Heating -7°C	Max.	kW	6.4	7.1	11.0
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.4 / 1.8 / 2.9	0.4 / 2.0 / 3.4	0.4 / 3.3 / 5.3
	Heating	Min. / Nom. / Max.	kW	0.6 / 2.1 / 3.4	0.6 / 2.2 / 3.6	0.4 / 3.1 / 5.3
Running Current	Cooling	Min. / Nom. / Max.	A	1.9 / 8.1 / 13.1	1.9 / 9.1 / 15.2	1.8 / 14.4 / 23.9
	Heating	Min. / Nom. / Max.	A	2.8 / 9.4 / 15.3	2.8 / 9.7 / 16.3	1.8 / 16.5 / 24.2
EER				4.39	4.40	3.50
COP				4.39	4.70	4.10
SEER				8.00	8.20	7.50
SCOP				4.30	4.30	4.40
Pdesign (@-10°C)			kW	7.00	7.40	9.10
Seasonal Energy Label	Cooling / Heating (A+++ to D Scale)			A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating			346 / 2,214	376 / 2,344	523 / 2,896
Airflow Rate	Nom.		m <sup>3</sup> /min	60	60	80
Sound Pressure*	Cooling	Nom.	dB(A)	48	49	52
	Heating	Nom.	dB(A)	52	53	54
Sound Power	Cooling	Max.	dB(A)	64	64	64
Dimensions	W x H x D		mm	950 x 834 x 330	950 x 834 x 330	950 x 834 x 330
Net Weight			Kg	63.5	64.1	74.0
Refrigerant	Type			R32	R32	R32
	Charge		Kg	2.3	2.6	2.8
	Additional Charge		g/m	20	20	20
	GWP			675	675	675
	t-CO <sub>2</sub> eq			1.553	1.755	1.890
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			No. x mm <sup>2</sup>	3C x 2.5	3C x 2.5	3C x 2.5
Transmission Cable			No. x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	25	25	40
Piping Length Total			m	70	75	85
Piping Length per Branch		Max.	m	25	25	25
Piping Elevation Difference	IDU - ODU	Max.	m	15	15	15
	IDU - IDU	Max.	m	7.5	7.5	7.5
Piping Connection	Liquid		mm (inch) x No.	Ø6.35 (1/4) x 4	Ø6.35 (1/4) x 5	Ø6.35 (1/4) x 5
	Gas		mm (inch) x No.	Ø9.52 (3/8) x 4	Ø9.52 (3/8) x 5	Ø9.52 (3/8) x 5

\* Sound Pressure is not a value declared on Eurovent Program.

Notes :

1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

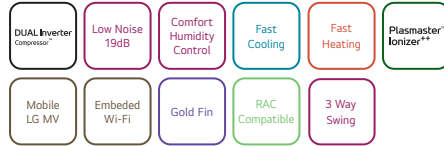
2. \*\* : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected

5. Minimum combination ratio should be more than 40%.

6. This product contains fluorinated greenhouse gases (R32)



Option: Black frame

kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Gallery Premium	-	-	○● A09GA2.NSE	○● A12GA2.NSE	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Multi Combination

INDOOR				A09GA2.NSE	A12GA2.NSE
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,300	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 35 / 41	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 35 / 41	28 / 36 / 42
Sound Power	Cooling	Power	dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.0 / 6.0 / 7.8 / 9.4	3.0 / 6.0 / 8.0 / 9.6
		Max. (Power)	m <sup>3</sup> /min	12	12
	Heating	L / M / H	m <sup>3</sup> /min	6 / 8 / 10	6 / 8 / 9.6
Dehumidification Rate			l/h	1.1	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	652 x 652 x 158	652 x 652 x 158
Net Weight			kg	20	20

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied



Option: Black frame

kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Gallery Special	-	-	○● A09GA1.NSE	○● A12GA1.NSE	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Multi Combination

INDOOR				A09GA1.NSE	A12GA1.NSE
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,300	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	20 / 28 / 35 / 41	20 / 28 / 36 / 42
	Heating	L / M / H	dB(A)	28 / 35 / 41	28 / 36 / 42
Sound Power	Cooling	Power	dB(A)	60	60
		S / L / M / H	m³/min	3.0 / 6.0 / 7.8 / 9.4	3.0 / 6.0 / 8.0 / 9.6
Air Flow Rate	Cooling	Max. (Power)	m³/min	12	12
	Heating	L / M / H	m³/min	6 / 8 / 10	6 / 8 / 9.6
Dehumidification Rate			l/h	1.1	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75
Dimension			mm	652 x 652 x 158	652 x 652 x 158
Net Weight			kg	20	20

\* : Sound Pressure is not a value declared on Eurovent Program. ※ This product contains Fluorinated greenhouse gases (R32). ※ S : Sleep / L : Low / M : Medium / H : High ※ GWP : Global warming potential ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice. ※ Y : Available or Applied / - : Not Available or Not Applied



kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Artcool Gallery	-	-	● MA09R NF1	● MA12R NF1	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Single Combination

INDOOR				MA09R NF1	MA12R NF1
Capacity	Cooling	Rated	W	2,600	3,500
	Heating	Rated	W	2,900	3,900
Sound Pressure	Cooling	S / L / M / H	dB(A)	27 / 27 / 32 / 38	27 / 32 / 38 / 44
	Heating	L / M / H	dB(A)	27 / 32 / 38	32 / 38 / 44
Sound Power	Cooling	Power	dB(A)	52	54
		S / L / M / H	m³/min	4.4 / 4.4 / 5.9 / 7.7	4.4 / 5.6 / 7.3 / 8.9
Air Flow Rate	Cooling	Max. (Power)	m³/min	8.6	9.6
	Heating	L / M / H	m³/min	4.7 / 6.1 / 8.0	5.7 / 7.5 / 9.2
Dehumidification Rate			l/h	1.2	1.4
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75
Dimension			mm	600 x 600 x 145	600 x 600 x 145
Net Weight			kg	15.0	15.0

※ This product contains Fluorinated greenhouse gases (R32). ※ S : Sleep / L : Low / M : Medium / H : High ※ GWP : Global warming potential ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice. ※ Y : Available or Applied / - : Not Available or Not Applied



UVnano™



DUAL Inverter Compressor	Low Noise 19dB	Fast Cooling	Fast Heating	Plasmaster <sup>++</sup> Ionizer	Allergy Filter
Mobile LG MV	Embedded Wi-Fi	Gold Fin	RAC Compatible		

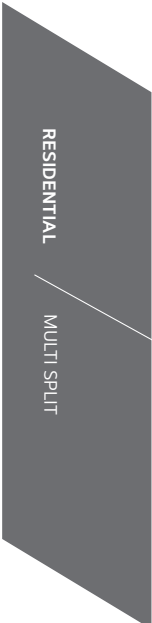
kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Mirror	-	● AM07BK.NSJ	○● AC09BK.NSJ	○● AC12BK.NSJ	-	○● AC18BK.NSK	○● AC24BK.NSK
Beige	-	-	○● AB09BK.NSJ	○● AB12BK.NSJ	-	○● AB09BK.NSK	○● AB09BK.NSK

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Multi Combination

INDOOR				AM07BK.NSJ	AC09BK.NSJ/ AB09BK.NSJ	AC12BK.NSJ/ AB12BK.NSK
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	3,800
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 26 / 32 / 36	19 / 26 / 33 / 38	19 / 26 / 35 / 39
	Heating	L / M / H	dB(A)	26 / 32 / 36	26 / 33 / 38	26 / 35 / 39
Sound Power	Cooling	Power	dB(A)	57	57	57
Air Flow Rate	Cooling	S / L / M / H	m³/min	3.0 / 5.0 / 7.2 / 8.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6
		Max. (Power)	m³/min	11.1	11.1	11.1
	Heating	L / M / H	m³/min	5.0 / 7.2 / 8.6	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6
Dehumidification Rate			l/h	0.9	1.1	1.2
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 192	837 x 308 x 192	837 x 308 x 192
Net Weight			kg	9.9	9.9	9.9

INDOOR				AC18BK.NSK/ AB18BK.NSK	AC24BK.NSK/ AB24BK.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
Air Flow Rate	Cooling	S / L / M / H	m³/min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m³/min	16.8	18.3
	Heating	L / M / H	m³/min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	12.8	13.5



\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ S : Sleep / L : Low / M : Medium / H : High

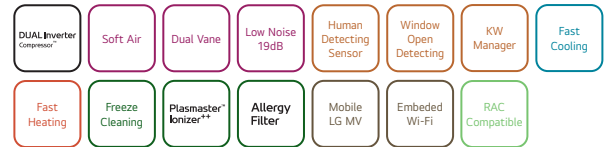
※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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DUALCOOL PREMIUM



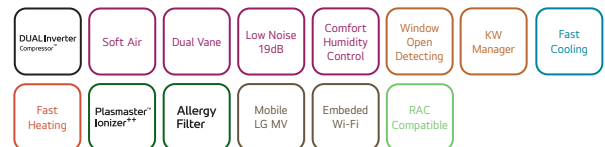
kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Prmium	-	-	○● H09S1PNS1	○● H12S1PNS1	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Multi Combination

INDOOR				H09S1PNS1	H12S1PNS1
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,200	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 35	19 / 27 / 33 / 37
	Heating	L / M / H	dB(A)	27 / 31 / 35	27 / 33 / 37
Sound Power	Cooling	Power	dB(A)	60	60
Air Flow Rate	Cooling	S / L / M / H	m³/min	2.0 / 5.7 / 8.1 / 10.5	2.0 / 5.7 / 8.1 / 10.5
		Max. (Power)	m³/min	11.2	11.2
	Heating	L / M / H	m³/min	5.7 / 8.1 / 10.5	5.7 / 8.1 / 10.5
Dehumidification Rate			l/h	1.15	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75
Dimension			mm	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	12.6	12.6

DUALCOOL DELUXE



kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Deluxe	-	-	○● H09S1D.NS1	○● H12S1D.NS1	-	○● H18S1D.NS1	○● H24S1D.NS1

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

Multi Combination

INDOOR				H09S1D.NS1	H12S1D.NS1	H18S1D.NS1	H24S1D.NS1
Capacity	Cooling	Rated	W	2,500	3,500	5,000	6,600
	Heating	Rated	W	3,200	4,000	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 35	19 / 27 / 33 / 37	29 / 34 / 41 / 45	29 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 31 / 35	27 / 33 / 37	34 / 41 / 45	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	56	56	60	65
Air Flow Rate	Cooling	S / L / M / H	m³/min	2.0 / 5.7 / 8.1 / 10.5	2.0 / 5.7 / 8.1 / 10.5	- / 8.1 / 9.7 / 11.3	- / 8.1 / 9.9 / 11.7
		Max. (Power)	m³/min	11.2	11.2	13.6	14.8
	Heating	L / M / H	m³/min	5.7 / 8.1 / 10.5	5.7 / 8.1 / 10.5	8.1 / 9.7 / 11.3	8.1 / 11.1 / 13.6
Dehumidification Rate			l/h	1.15	1.3	1.8	2.5
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm²	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235	895 x 307 x 235
Net Weight			kg	12.6	12.6	13	13

\* : Sound Pressure is not a value declared on Eurotest Program. ※ This product contains Fluorinated greenhouse gases (R32). ※ S : Sleep / L : Low / M : Medium / H : High ※ GWP : Global warming potential ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000 ※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice. ※ Y : Available or Applied / - : Not Available or Not Applied ※ Open window detection from April 2024 manufactured models ※ KW monitoring from April 2024 manufactured models



kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Deluxe Inverter DC	-	● DM07RK.NSJ	○● DC09RK.NSJ	○● DC12RK.NSJ	-	○● DC18RK.NSK	○● DC24RK.NSK

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

### Multi Combination

INDOOR				DM07RK.NSJ	DC09RK.NSJ	DC12RK.NSJ
Capacity	Cooling	Rated	W	2,100	2,500	3,500
	Heating	Rated	W	2,300	3,200	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	19 / 27 / 31 / 36	19 / 27 / 32 / 36	19 / 29 / 34 / 38
	Heating	L / M / H	dB(A)	27 / 31 / 36	27 / 32 / 36	29 / 34 / 39
Sound Power	Cooling	Power	dB(A)	56	56	56
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.5 / 5.0 / 6.1 / 7.4	3.5 / 5.0 / 6.4 / 7.7	3.5 / 5.3 / 6.7 / 8.1
		Max. (Power)	m <sup>3</sup> /min	10.1	10.1	10.1
	Heating	L / M / H	m <sup>3</sup> /min	5.0 / 6.1 / 7.4	5.0 / 6.4 / 7.7	5.3 / 6.7 / 8.1
Dehumidification Rate			l/h	0.9	1.1	1.2
Power Supply			∅ / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	9.1	9.1	9.1

INDOOR				DC18RK.NSK	DC24RK.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	60	64
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7

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※ This product contains Fluorinated greenhouse gases (R32).

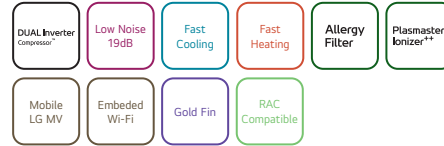
※ S : Sleep / L : Low / M : Medium / H : High

※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Standaard Plus PC	● PM05SK.NSA	● PM07SK.NSA	○● PC09ST.NSJ	● PC12ST.NSJ	○● PC18ST.NSJ	○● PC18SK.NSK	○● PC24SK.NSK

● Multi Only ○● Compatible with Residential Single Split ○○ Compatible with Commercial Single Split

### Multi Combination

INDOOR				PM05SK.NSA	PM07SK.NSA	PC09ST.NSJ	PC12ST.NSJ	PM15SK.NSJ
Capacity	Cooling	Rated	W	1,500	2,100	2,500	3,500	4,200
	Heating	Rated	W	1,600	2,300	3,200	3,800	5,400
Sound Pressure*	Cooling	S / L / M / H	dB(A)	22 / 27 / 31 / 36	22 / 27 / 32 / 37	19 / 26 / 33 / 38	19 / 26 / 35 / 39	19 / 28 / 38 / 41
	Heating	L / M / H	dB(A)	25 / 29 / 35	25 / 31 / 37	26 / 33 / 38	26 / 35 / 39	28 / 38 / 41
Sound Power	Cooling	Power	dB(A)	57	57	57	57	57
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	2.0 / 3.5 / 5.0 / 6.3	2.0 / 3.5 / 5.3 / 6.6	3.0 / 5.0 / 7.6 / 9.1	3.0 / 5.0 / 8.1 / 9.6	3.0 / 5.4 / 8.6 / 10.0
		Max. (Power)	m <sup>3</sup> /min	11.1	11.1	11.1	11.1	11.1
	Heating	L / M / H	m <sup>3</sup> /min	4.5 / 5.3 / 6.8	4.5 / 5.7 / 7.2	5.0 / 7.6 / 9.1	5.0 / 8.1 / 9.6	5.4 / 8.6 / 10.0
Dehumidification Rate			l/h	0.9	0.9	1.1	1.2	1.2
Power Supply			∅ / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75	4C x 0.75
Dimension			mm	754 x 308 x 189	754 x 308 x 189	837 x 308 x 189	837 x 308 x 189	837 x 308 x 189
Net Weight			kg	7.8	7.8	8.7	8.7	8.7

INDOOR				PC18ST.NSK	PC24ST.NSK
Capacity	Cooling	Rated	W	5,000	6,600
	Heating	Rated	W	5,800	7,500
Sound Pressure*	Cooling	S / L / M / H	dB(A)	31 / 34 / 42 / 47	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	34 / 42 / 47	34 / 42 / 47
Sound Power	Cooling	Power	dB(A)	59	65
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	8.0 / 10.5 / 13.1 / 15.5	8.0 / 10.5 / 13.1 / 16.1
		Max. (Power)	m <sup>3</sup> /min	16.8	18.3
	Heating	L / M / H	m <sup>3</sup> /min	10.5 / 13.1 / 15.5	10.5 / 13.1 / 16.1
Dehumidification Rate			l/h	1.9	2.6
Power Supply			∅ / V / Hz	1 / 220 - 240 / 50	1 / 220 - 240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	11.9	12.7

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

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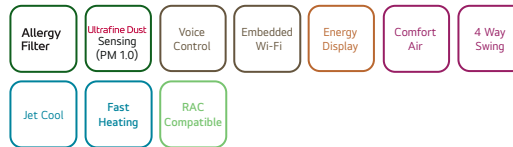
※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Air Purification	-	-	○● AP09RK NSJ	○● AP12RK NSJ	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

### Multi Combination

INDOOR				AP09RK NSJ	AP12RK NSJ
Capacity	Cooling	Rated	W	2,500	3,500
	Heating	Rated	W	3,300	4,000
Sound Pressure*	Cooling	S / L / M / H	dB(A)	21 / 27 / 35 / 42	21 / 27 / 35 / 42
	Heating	L / M / H	dB(A)	27 / 35 / 42	27 / 35 / 42
Sound Power	Cooling	Power	dB(A)	59	59
Air Flow Rate	Cooling	S / L / M / H	m <sup>3</sup> /min	3.0 / 4.2 / 6.6 / 10.0	3.0 / 4.2 / 6.6 / 10.0
		Max. (Power)	m <sup>3</sup> /min	11.0	11.0
	Heating	L / M / H	m <sup>3</sup> /min	4.2 / 6.6 / 10.0	4.2 / 6.6 / 10.0
Dehumidification Rate			l/h	0.9	0.9
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Supply Cable			N x mm <sup>2</sup>	4C x 0.75	4C x 0.75
Dimension			mm	857 x 348 x 189	857 x 348 x 189
Net Weight			kg	9.5	9.5

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※ This product contains Fluorinated greenhouse gases (R32).

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※ GWP : Global warming potential

※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
1 Way Cassette	-	-	● MT09R.NU1	● MT11R.NU1	-	-	-

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

### 1 Way Cassette

INDOOR				MT09R.NU1	MT11R.NU1
Capacity	Cooling / Heating	Nom.	kW	2.6 / 2.9	3.5 / 3.9
Power Input		Nom.	W	20	20
Running Current		Nom.	A	0.2	0.2
Power Supply		Ø / V / Hz		1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.5 / 7.3 / 6.8	8.1 / 7.4 / 7.0
Sound Pressure*	Cooling	H / M / L	dB(A)	36 / 34 / 32	37 / 36 / 33
Sound Power	Cooling	Max.	dB(A)	54	57
Dehumidification Rate			l/h	1.1	1.2
Dimensions	Body	W x H x D	mm	860 x 132 x 450	860 x 132 x 450
Net Weight	Body		kg	13.5	13.5
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)
Decoration Panel	Model			PT-UAHW0 / PT-UAHG0 / PT-UPHG0	PT-UAHW0 / PT-UAHG0 / PT-UPHG0

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

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kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
4 Way Cassette	● MT06R.NR0	● MT08R.NR0	◎◎ CT09F.NR0	◎◎ CT12F.NR0	-	◎◎ CT18F.NQ0	◎◎ CT24F.NB0

● Multi Only    ◎● Compatible with Residential Single Split    ◎◎ Compatible with Commercial Single Split

### 4 Way Cassette

INDOOR				MT06R.NR0	MT08R.NR0	CT09F.NR0
Capacity	Cooling / Heating	Nom.	kW	1.5 / 1.6	2.1 / 2.3	2.6 / 2.9
Power Input		Nom.	W	20	20	22
Running Current		Nom.	A	0.40	0.40	0.40
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.5 / 6.0 / 5.0	7.5 / 6.0 / 5.0	8.5 / 7.0 / 6.0
Sound Pressure*	Cooling	H / M / L	dB(A)	31 / 27 / 24	31 / 27 / 24	36 / 33 / 30
Sound Power	Cooling	Max.	dB(A)	48	48	52
Dehumidification Rate			l/h	-	-	0.9
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
Net Weight	Body		kg	11.7	11.7	12.4
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø9.52 (3/8)
Decoration Panel	Model			PT-QAGW0	PT-QAGW0	PT-QAGW0
	Color			Morning Fog (9001)	Morning Fog (9001)	White (9003)
	Dimensions	W x H x D	mm	620 x 34 x 620	620 x 34 x 620	620 x 35 x 620
	Weight		kg	3	3	2.9

INDOOR				CT12F.NR0	CT18F.NQ0	CT24F.NB0
Capacity	Cooling / Heating	Nom.	kW	3.5 / 3.9	5.3 / 5.8	6.7 / 7.5
Power Input		Nom.	W	24	26	26
Running Current		Nom.	A	0.40	0.40	0.60
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	9.5 / 8.0 / 7.0	13.0 / 12.0 / 11.0	17.0 / 15.0 / 13.0
Sound Pressure*	Cooling	H / M / L	dB(A)	38 / 35 / 32	41 / 39 / 39	38 / 36 / 34
Sound Power	Cooling	Max.	dB(A)	52	57	53
Dehumidification Rate			l/h	1.4	2.0	2.7
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 256 x 570	840 x 204 x 840
Net Weight	Body		kg	12.4	13.9	21.1
Piping Connection	Liquid		mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas		mm (inch)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Decoration Panel	Model			PT-QAGW0	PT-QAGW0	PT-AAGW0
	Color			White (9003)	White (9003)	White (9003)
	Dimensions	W x H x D	mm	620 x 35 x 620	620 x 35 x 620	950 x 35 x 950
	Weight		kg	2.9	2.9	7.1

\* : Sound Pressure is not a value declared on Eurovent Program.

※ Dual vane is applied to 24k

※ This product contains Fluorinated greenhouse gases (R32).

※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied



kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Mid / High Static Pressure	-	-	-	-	-	○◎ CM18F.N10	○◎ CM24F.N10

● Multi Only ○● Compatible with Residential Single Split ○◎ Compatible with Commercial Single Split

### Duct (Mid Static)

INDOOR				CM18F.N10	CM24F.N10
Capacity	Cooling / Heating	Nom.	kW	5.3 / 5.8	7.0 / 7.7
Power Input		H / M / L	W	150 / 130 / 110	180 / 150 / 130
Running Current		H / M / L	A	0.85 / 0.76 / 0.67	0.98 / 0.85 / 0.76
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	16.5 / 14.5 / 13.0	18.0 / 16.5 / 14.5
Sound Pressure*		H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32
Sound Power Level		Rated	dB(A)	59	60
Dehumidification Rate			l/h	1.5	2.5
Dimensions		W x H x D	mm	900 x 270 x 700	900 x 270 x 700
Net Weight			kg	24.6	24.6
Piping	Liquid Side		mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
Connections	Gas Side		mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
External static pressure	Min. ~ Max.		Pa (mmAq)	58.8 (6)	58.8 (6)

\* : Sound Pressure is not a value declared on Eurovent Program.

※ This product contains Fluorinated greenhouse gases (R32).

※ For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

※ Y : Available or Applied / - : Not Available or Not Applied



kBtu/H	5	7	9	12	15	18	24
kW	1.5	2.1	2.6	3.5	4.2	5.3	7.0
Low Static Pressure	-	-	○● CL09F.N50	○● CL12F.N50	-	○● CL18F.N60	○● CL24F.N30

● Multi Only ○● Compatible with Residential Single Split ○● Compatible with Commercial Single Split

### Duct (Low Static)

INDOOR				CL09F.N50	CL12F.N50	CL18F.N60	CL24F.N30
Capacity	Cooling / Heating	Nom.	kW	2.5 / 3.2	3.4 / 4.0	5.0 / 5.8	6.8 / 7.5
Power Input		H / M / L	W	21 / 15 / 13	21 / 15 / 13	100 / 90 / 80	150 / 130 / 110
Running Current		H / M / L	A	0.21 / 0.16 / 0.14	0.21 / 0.16 / 0.14	0.43 / 0.39 / 0.34	0.65 / 0.56 / 0.47
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	11.5 / 9.5 / 8.0	11.5 / 9.5 / 8.0	15.0 / 12.0 / 10.0	20.0 / 16.0 / 12.0
Sound Pressure*		H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29	39 / 35 / 32
Sound Power Level		Rated	dB(A)	55	55	56	58
Dehumidification Rate			l/h	0.5	0.9	1.7	2.5
Dimensions		W x H x D	mm	900 x 190 x 460	900 x 190 x 460	1,100 x 190 x 460	1,100 x 190 x 700
Net Weight			kg	18.0	18.0	20.9	26.0
Piping Connections	Liquid Side		mm (inch)	∅ 6.35 (1/4)	∅ 6.35 (1/4)	∅ 6.35 (1/4)	∅ 9.52 (3/8)
	Gas Side		mm (inch)	∅ 9.52 (3/8)	∅ 9.52 (3/8)	∅ 12.7 (1/2)	∅ 15.88 (5/8)
External static pressure	Min. ~ Max.		Pa (mmAq)	0 ~ 5 (0 ~ 50)	0 ~ 5 (0 ~ 50)	0 ~ 5 (0 ~ 50)	0 ~ 5 (0 ~ 50)

\* : Sound Pressure is not a value declared on Eurovent Program. ※ This product contains Fluorinated greenhouse gases (R32).

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CAPACITY (kW)	2.6	3.5	5.3
Console	UQ09F.NA0	UQ12F.NA0	UQ18F.NA0

### Console

#### R32, R410A

INDOOR				UQ09F.NA0	UQ12F.NA0	UQ18F.NA0
Capacity	Cooling / Heating	Nom.	kW	2.6 / 3.1	3.5 / 4.0	5.0 / 4.9
Power Input		Nom.	W	30	30	39
Running Current		Nom.	A	0.5	0.5	0.5
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Air Flow Rate		H / M / L	m <sup>3</sup> /min	8.5 / 6.7 / 5.0	9.0 / 6.9 / 5.2	10.1 / 8.6 / 7.2
Sound Pressure*	Cooling	H / M / L	dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 39 / 35
Sound Power	Cooling	Max.	dB(A)	59	59	60
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Net Weight	Body		kg	16.3	16.3	16.3
Piping Connection	Liquid		mm (inch)	∅6.35 (1/4)	∅6.35 (1/4)	∅6.35 (1/4)
	Gas		mm (inch)	∅9.52 (3/8)	∅9.52 (3/8)	∅12.7 (1/2)

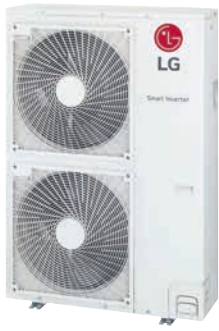
\* : Sound Pressure is not a value declared on Eurovent Program. ※ This product contains fluorinated greenhouse gases. (R32/R410A)

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※ Y : Available or Applied / - : Not Available or Not Applied

# R410A MULTI SPLIT





LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification : www.eurovent-certification.com

OUTDOOR				FM40AH.U34
Compressor	Type	-		Scroll
Capacity**	Cooling	Min. / Nom. / Max.	kW	2.8 / 12.3 / 15.4
	Heating	Min. / Nom. / Max.	kW	3.1 / 13.5 / 16.2
Low Temperature Capacity	Heating	Max.	kW	12.5
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.82 / 2.42 / 4.90
	Heating	Min. / Nom. / Max.	kW	0.89 / 2.87 / 5.10
Running Current**	Cooling	Min. / Nom. / Max.	A	3.7 / 11.0 / 22.2
	Heating	Min. / Nom. / Max.	A	4.0 / 13.0 / 23.1
EER				5.08
COP				4.70
SEER				7.40
SCOP				4.20
Pdesign(@-10°C)				kW 8.6
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating	-		- / -
Annual Energy Consumption	Cooling / Heating		kWh	981 / 2,867
Air Flow Rate	Nom.		m <sup>3</sup> /min x No.	110
Sound Pressure Level*	Cooling	Nom.		dB(A) 51
	Heating	Nom.		dB(A) 53
Sound Power Level	Cooling	Max.		dB(A) 69
	Heating	Max.		dB(A) 70
Dimensions	W x H x D		mm	950 x 1,380 x 330
Net Weight				kg 87
Refrigerant	Type	-		R410A
	Charge			kg 4.2
	Additional Charging Volume			g/m 20
	GWP (Global Warming Potential)	-		2,087.5
	t-CO <sub>2</sub> eq	-		8.768
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18
Power Supply				Ø / V / Hz 1 / 220-240 / 50
Power Supply Cable				No. x mm <sup>2</sup> 3C x 4.0
Transmission Cable	ODU-BD			No. x mm <sup>2</sup> 4C x 1.25
	BD-IDU			No. x mm <sup>2</sup> 4C x 0.75
Circuit Breaker				A 40
Max Piping Length	Total Piping (Main+Total Branch)		m	125
	Main Piping		m	55
	Total Branch Piping		m	70
	Each Branch Piping		m	15
Piping Elevation Difference	IDU-ODU	Max.	m	30
	IDU-IDU	Max.	m	15
Piping Connections	Liquid			mm (inch) x No. Ø9.52 x 1
	Gas			mm (inch) x No. Ø19.05 x1

\* : Sound Pressure is not a value declared on Eurovent Program.

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Note : 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \*\* : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)



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OUTDOOR				FM48AH.U34	FM56AH.U34
Compressor	Type			Scroll	Scroll
Capacity**	Cooling	Min. / Nom. / Max.	kW	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min. / Nom. / Max.	kW	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max.	kW	14.5	15.5
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min. / Nom. / Max.	kW	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current**	Cooling	Min. / Nom. / Max.	A	4.4 / 14.1 / 24.0	5.3 / 17.5 / 25.4
	Heating	Min. / Nom. / Max.	A	4.8 / 17.0 / 24.5	5.9 / 19.7 / 26.3
EER				4.51	4.01
COP				4.25	4.01
SEER				7.20	6.90
SCOP				4.20	4.20
Pdesign(@-10°C)				9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating			- / -	- / -
Annual Energy Consumption		Cooling / Heating	kWh	1,167 / 3,167	1,348 / 3,167
Air Flow Rate		Nom.	m <sup>3</sup> /min x No.	110	110
Sound Pressure Level*	Cooling	Nom.	dB(A)	53	53
	Heating	Nom.	dB(A)	55	55
Sound Power Level	Cooling	Max.	dB(A)	71	73
	Heating	Max.	dB(A)	72	74
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight				87	87
Refrigerant	Type			R410A	R410A
	Charge			4.2	4.2
	Additional Charging Volume			20	20
	GWP (Global Warming Potential)			2,087.5	2,087.5
	t-CO <sub>2</sub> eq			8.768	8.768
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18	-25 / 18
Power Supply				Ø / V / Hz	1 / 220-240 / 50
Power Supply Cable				No. x mm <sup>2</sup>	3C x 4.0
Transmission Cable	ODU-BD			No. x mm <sup>2</sup>	4C x 1.25
	BD-IDU			No. x mm <sup>2</sup>	4C x 0.75
Circuit Breaker				A	40
Max Piping Length	Total Piping (Main+Total Branch)		m	135	145
	Main Piping		m	55	55
	Total Branch Piping		m	80	90
	Each Branch Piping		m	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30
	IDU-IDU	Max.	m	15	15
Piping Connections	Liquid			Ø9.52 x 1	Ø9.52 x 1
	Gas			Ø19.05 x1	Ø19.05 x1

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Note : 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

2. \*\* : See page "Combination Table".

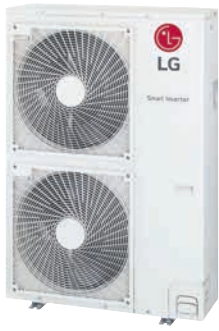
3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)





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OUTDOOR				FM41AH.U34	FM49AH.U34	FM57AH.U34
Compressor	Type	-		Scroll	Scroll	Scroll
Capacity**	Cooling	Min. / Nom. / Max.	kW	2.8 / 12.3 / 15.4	3.3 / 14.1 / 17.0	4.0 / 15.5 / 18.5
	Heating	Min. / Nom. / Max.	kW	3.1 / 13.5 / 16.2	3.7 / 16.0 / 17.3	4.5 / 17.4 / 18.8
Low Temperature Capacity	Heating	Max.	kW	12.5	14.5	15.5
Power Input**	Cooling	Min. / Nom. / Max.	kW	0.82 / 2.42 / 4.90	0.96 / 3.12 / 5.30	1.18 / 3.87 / 5.60
	Heating	Min. / Nom. / Max.	kW	0.89 / 2.87 / 5.10	1.06 / 3.76 / 5.40	1.29 / 4.34 / 5.80
Running Current**	Cooling	Min. / Nom. / Max.	A	1.2 / 3.6 / 7.4	1.4 / 4.7 / 8.0	1.8 / 5.8 / 8.4
	Heating	Min. / Nom. / Max.	A	1.3 / 4.3 / 7.7	1.6 / 5.7 / 8.1	1.9 / 6.5 / 8.7
EER				5.08	4.51	4.01
COP				4.70	4.25	4.01
SEER				7.40	7.20	6.90
SCOP				4.20	4.20	4.20
Pdesign(@-10°C)				8.6	9.5	9.5
Seasonal Energy Label (A++ to E Scale)	Cooling / Heating	-		- / -	- / -	- / -
Annual Energy Consumption		Cooling / Heating	kWh	981 / 2,867	1,167 / 3,167	1,348 / 3,167
Air Flow Rate		Nom.	m <sup>3</sup> /min x No.	110	110	110
Sound Pressure Level*	Cooling	Nom.	dB(A)	51	53	53
	Heating	Nom.	dB(A)	53	55	55
Sound Power Level	Cooling	Max.	dB(A)	69	71	73
	Heating	Max.	dB(A)	70	72	74
Dimensions	W x H x D		mm	950 x 1,380 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Net Weight			kg	87	87	87
Refrigerant	Type	-		R410A	R410A	R410A
	Charge			4.2	4.2	4.2
	Additional Charging Volume			20	20	20
	GWP (Global Warming Potential)			2,087.50	2,087.50	2,087.50
	t-CO <sub>2</sub> eq			8.768	8.768	8.768
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-10 / 48
	Heating	Min. / Max.	°C WB	-25 / 18	-25 / 18	-25 / 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm <sup>2</sup>	5C x 2.5	5C x 2.5	5C x 2.5
Transmission Cable	ODU-BD			4C x 1.25	4C x 1.25	4C x 1.25
	BD-IDU			4C x 0.75	4C x 0.75	4C x 0.75
Circuit Breaker			A	20	20	20
Max Piping Length	Total Piping (Main+Total Branch)		m	125	135	145
	Main Piping		m	55	55	55
	Total Branch Piping		m	70	80	90
	Each Branch Piping		m	15	15	15
Piping Elevation Difference	IDU-ODU	Max.	m	30	30	30
	IDU-IDU	Max.	m	15	15	15
Piping Connections	Liquid	mm (inch) x No.		Ø9.52 x 1	Ø9.52 x 1	Ø9.52 x 1
	Gas	mm (inch) x No.		Ø19.05 x1	Ø19.05 x1	Ø19.05 x1

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Note : 1. Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB

Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero.

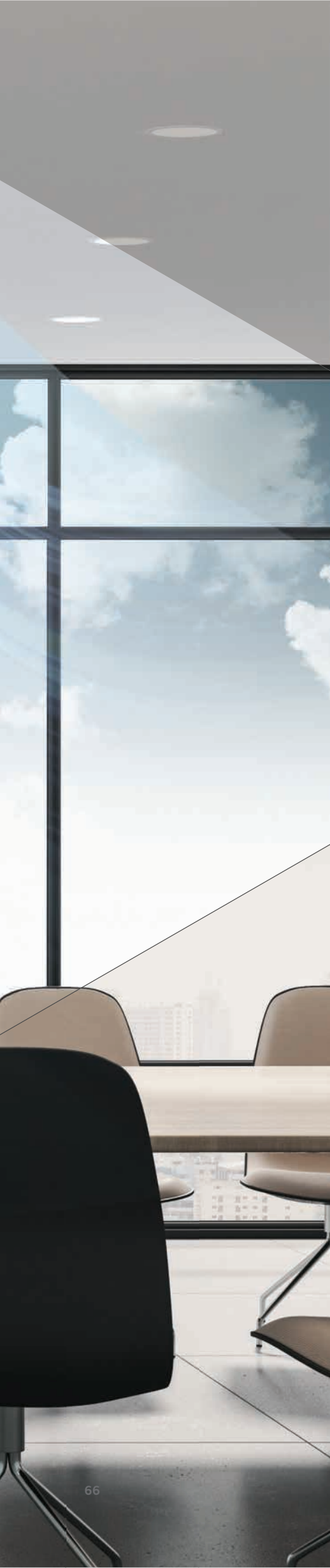
2. \*\* : See page "Combination Table".

3. Due to our policy of innovation some specifications may be changed without notification.

4. At least two indoor units should be connected.

5. Minimum combination capacity rate should be more than 40%.

6. This product contains fluorinated greenhouse gases. (R410A)




































































































# COMMERCIAL

Single split

p.66 ~ p.99



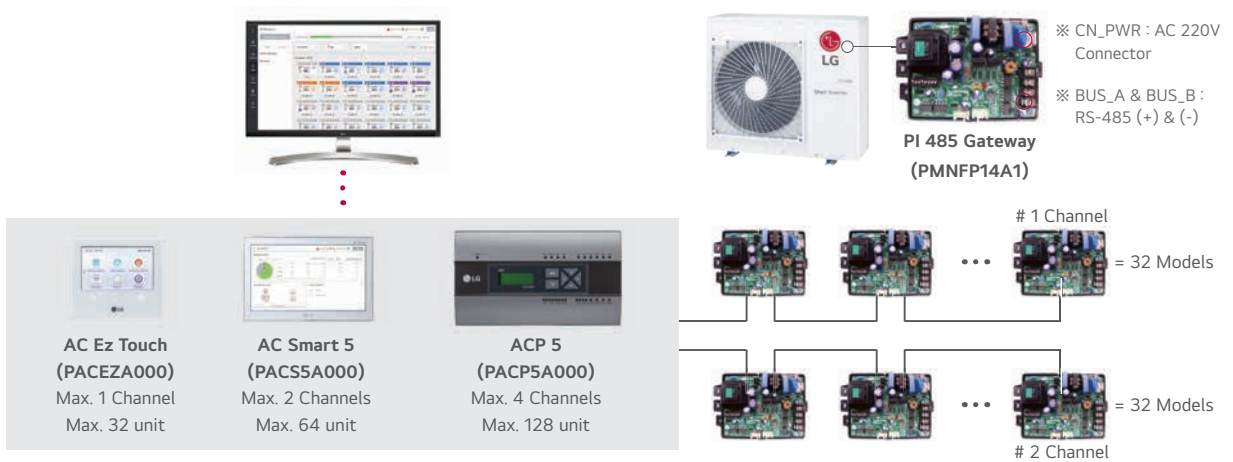
		kBtu/h	9	12	18	24	30	36	42	48	60	
		kW	2.5	3.4	5.0	6.8	8.0	9.5	12.0	13.4	14.6	
H-INVERTER (R32)	Ceiling Mounted Cassette	Mini	 UT09FH.NQ0	 UT12FH.NQ0								
		Standard			 UT18FH.NB0	 UT24FH.NA0	 UT30FH.NA0	 UT36FH.NA0	 UT42FH.NA0	 UT48FH.NA0	 UT60FH.NA0	
	Ceiling Concealed Duct	Mid Static		 UM12FH.N10	 UM18FH.N10	 UM24FH.N20	 UM30FH.N20	 UM36FH.N30	 UM42FH.N30	 UM48FH.N30		
		Low Static		 UL12FH.N50	 UL18FH.N30							
	Ceiling Suspended				 UV18FH.N10	 UV24FH.N20	 UV30FH.N20	 UV36FH.N20	 UV42FH.N20			
	ODU	1Ø	 UUA1.UL0	 UUB1.U20	 UUC1.U40				 UUD1.U30			
		3Ø							 UUD3.U30			
	STANDARD INVERTER (R32)	Ceiling Mounted Cassette	Mini	 CT09F.NR0	 CT12F.NR0	 CT18F.NQ0						
			Standard				 CT24F.NB0	 UT30F.NB0	 UT36F.NA0	 UT42F.NA0	 UT48F.NA0	 UT60F.NA0
			Round						 UT36F.NY0	 UT48F.NY0		
Ceiling Concealed Duct		Mid Stati			 CM18F.N10	 CM24F.N10	 UM30F.N10	 UM36F.N20	 UM42F.N20	 UM48F.N30	 UM60F.N30	
		Low Static	 CL09F.N50	 CL12F.N50	 CL18F.N60	 CL24F.N30						
Ceiling Suspended				 UV18F.N10	 UV24F.N10	 UV30F.N10	 UV36F.N20	 UV42F.N20	 UV48F.N20	 UV60F.N20		
Wall Mounted		 MJ09PC.NSJ	 MJ12PC.NSJ	 MJ18PC.NSK	 MJ24PC.NSK	 US30F.NR0	 US36F.NR0					
Console		 UQ09F.NA0	 UQ12F.NA0	 UQ18F.NA0								
ODU		1Ø	 UUA1.UL0	 UUB1.U20	 UUC1.U40				 UUD1.U30			
		3Ø							 UUD3.U30			

		kBtu/h	18	24	30	36	42	48	60	70	85
Type		kW	5.0	6.8	8.0	9.5	12.0	13.4	14.6	20.0	25.0
COMPACT INVERTER (R32)	Ceiling Mounted Cassette	Mini	 CT18F.NQ0								
		Standard		 CT24F.NB0	 UT30F.NB0	 UT36F.NA0					
	Ceiling Concealed Duct	Mid Static	 CM18F.N10	 CM24F.N10	 UM30F.N10	 UM36F.N20					
		Low Static	 CL18F.N60	 CL24F.N30							
	Ceiling Suspended			 UV18F.N10	 UV24F.N10	 UV30F.N10	 UV36F.N20				
	Wall Mounted					 US30F.NR0	 US36F.NR0				
	ODU	10	 UUA1.U10	 UUB1.U20	 UUC1.U40						
STANDARD INVERTER (R410A)	Ceiling Concealed Duct (High Static)								 UB70.N95	 UB85.N95	
	Floor Standing						 UP48.NT2				
	ODU	10					 UU48W.U32				
30						 UU49W.U32	 UU70W.U34	 UU85W.U74			

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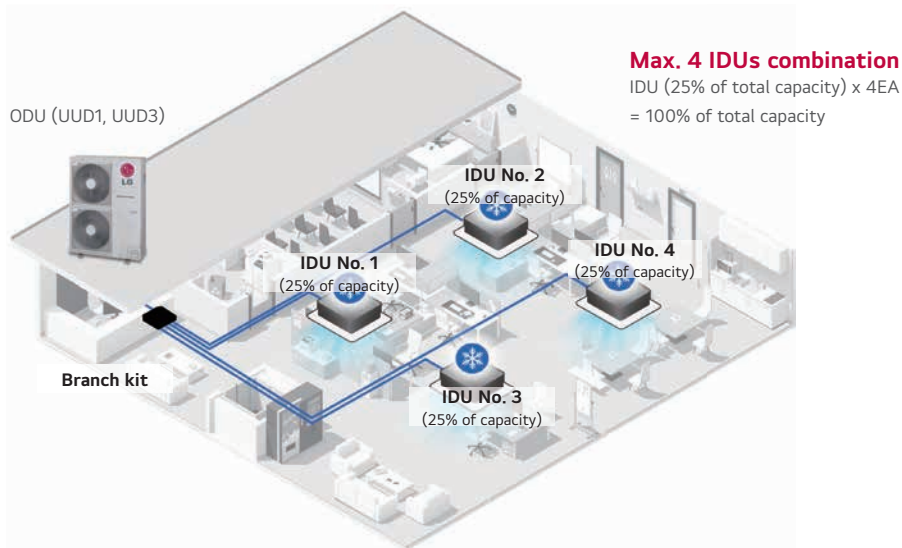
# Easy Control (Central Controller)

PI-485 is a gateway device that provides communication between LG Outdoor Units and LG central controllers such as ACP, AC Smart.



# Synchro Function

Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.



※ Combination table



Model	Duo		Trio		Quartet	
	Cassette	Duct	Cassette	Duct	Cassette	duct
UUD1, UUD3	CT18F x 2EA	CM18F x 2EA	CT12F x 3EA	CL12F x 3EA	CT12F x 4EA	CL12F x 4EA
	CT24F x 2EA	CM24F x 2EA	CT18F x 3EA	CM18F x 3EA	-	-
	UT30F x 2EA	UM30F x 2EA	-	-	-	-
Branch kit	PMUB11A		PMUB111A		PMUB1111A	
Dip switch						

Note

1. Possible indoor units : Single CAC indoor unit series

- Dry contact & Zone control & Auto changeover is not available which is connected with synchro.
- When using synchro operation
  - Do not use wireless remote controller.
  - Use only one wired remote controller in the indoor units.
  - Some Central controllers and some functions of central controller can not be available with synchro operation.

2. Branch kits are required for operating Synchro models.

# CEILING CASSETTE 4-WAY ROUND CASSETTE



## STANDARD INVERTER (R32)

### Wide Application with diverse design range

- Maximize Space Utilization with Compact Size  
(Solution for small businesses and shops)
- **Optional Plasma ion of ionizer deactivates and removes bacteria & viruses in the room and keeps the air clean.**
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Optional ThinQ (Wi-Fi), access your air conditioner anytime and from anywhere  
(Can control air conditioners using Android or iOS-enabled smartphones and voice commands)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.



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Check ongoing validity of certification  
: [www.eurovent-certification.com](http://www.eurovent-certification.com)

COMBINATION				9	12	18
Capacity	Cooling	Min. / Rated / Max.	kW	1.5 / 2.5 / 3.2	1.5 / 3.4 / 4.5	2.0 / 5.0 / 5.8
	Heating	Min. / Rated / Max.	kW	1.8 / 3.2 / 3.7	1.8 / 4.1 / 5.0	2.3 / 5.7 / 6.6
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 0.61 / 0.87	0.30 / 0.98 / 1.62	0.30 / 1.57 / 2.20
	Heating	Min. / Rated / Max.	kW	0.30 / 0.75 / 0.89	0.30 / 1.11 / 1.57	0.30 / 1.52 / 2.13
Running Current	Cooling / Heating	Rated	A	2.7 / 3.3	4.4 / 4.9	8.0 / 7.8
EER / COP			kWh/kWh	4.10 / 4.30	3.50 / 3.71	3.19 / 3.74
SEER / SCOP			kWh/kWh	6.7 / 4.0	6.7 / 4.0	6.4 / 4.3
Pdesign	Cooling @ 35°C		kW	2.5	3.4	5
	Heating @ -10°C		kW	2.8	2.8	4.1
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	131 / 980	178 / 980	273 / 1,335
Dehumidification Rate			l/h	0.63	1.26	1.89
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø12.7 (1/2)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50	-15 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				CT09F.NR0	CT12F.NR0	CT18F.NQ0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)			H / M / L	26 / 22 / 19	28 / 24 / 20	30 / 26 / 22
Air Flow Rate			H / M / L	8.5 / 7.0 / 6.0	9.5 / 8.0 / 7.0	13 / 12 / 11
Dimensions	Body	W x H x D	mm	570 x 214 x 570	570 x 214 x 570	570 x 256 x 570
Weight	Body		kg	12.4	12.4	13.9
Sound Pressure Level*	Cooling	H / M / L	dB(A)	36 / 33 / 30	38 / 35 / 32	41 / 39 / 37
Sound Power Level	Cooling	Max.	dB(A)	52	52	57
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel**	Model Name		-	PT-QAGW0	PT-QAGW0	PT-QAGW0
	Color		-	White	White	White
	Dimensions	Body	mm	620 x 34 x 620	620 x 34 x 620	620 x 34 x 620
	Weight	Body	kg	3.0	3.0	3.0
OUTDOOR				UUA1.ULO	UUB1.U20	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15		20
Power Supply Cable (Included Earth)			No x mm <sup>3</sup>	3C x 1.5		3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288		870 x 650 x 330
Weight	Net		kg	33.3		44.5
Compressor	Type		-	Twin Rotary		Twin Rotary
	Type / GWP (Global Warming Potential)		-	R32 / 675		R32 / 675
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675		1.2 / 0.81
	Chargeless		m	10		10
	Additional Charge		g/m	20		20
Fan	Air Flow Rate	Rated	m <sup>3</sup> /min x No.	28 x 1		50 x 1
Total Piping Length		Min. / Max.	m	5 / 30		5 / 30
Piping Elevation	IDU - ODU	Max.	m	30		30

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

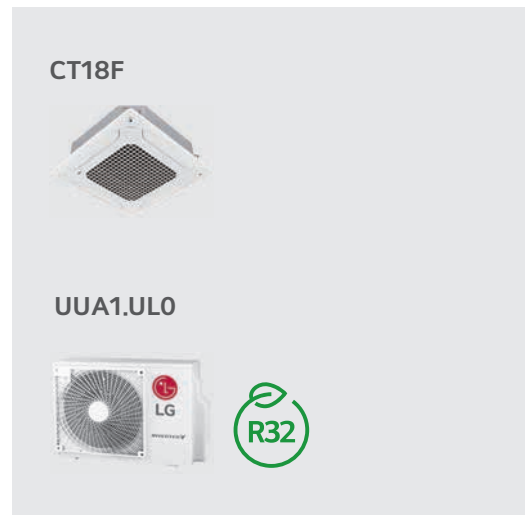


## COMPACT INVERTER (R32)

### Maximize Space Utilization with Compact Size

#### CT18F

- Solution for small businesses and shops (Only CT18F NQ0)
- **Optional Plasma ion of ionizer deactivates and removes bacteria & viruses in the room and keeps the air clean.** (Only CT18F NQ0)
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Optional ThinQ (Wi-Fi), access your air conditioner anytime and from anywhere (Can control air conditioners using Android or iOS-enabled smartphones and voice commands)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.



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COMBINATION				18
Capacity	Cooling	Min. / Rated / Max.	kW	1.8 / 5.0 / 5.5
	Heating	Min. / Rated / Max.	kW	2.1 / 5.2 / 5.7
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.34 / 1.76 / 2.11
	Heating	Min. / Rated / Max.	kW	0.30 / 1.45 / 1.87
Running Current	Cooling / Heating	Rated	A	7.8 / 6.4
EER / COP			kWh/kWh	2.85 / 3.60
SEER / SCOP			kWh/kWh	6.3 / 3.9
Pdesign	Cooling @ 35°C		kW	5
	Heating @ -10°C		kW	2.8
Seasonal Energy Label	Cooling / Heating		-	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	278 / 1,005
Dehumidification Rate			l/h	1.8
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø9.52 (3/8)
	Connections Method		-	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 / 50
	Heating	Min. / Max.	°C	-10 / 18
INDOOR				CT18F.NQ0
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	30 / 26 / 22
Air Flow Rate		H / M / L	m³/min	13 / 12 / 11
Dimensions	Body	W x H x D	mm	570 x 256 x 570
	Weight	Body	kg	13.9
Sound Pressure Level*	Cooling	H / M / L	dB(A)	41 / 39 / 37
Sound Power Level	Cooling	Max.	dB(A)	57
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0
	Model Name		-	PT-QAGW0
Recommended Decoration Panel**	Color		-	White
	Dimensions	Body	mm	620 x 34 x 620
	Weight	Body	kg	3.0
OUTDOOR				UUA1.ULO
Power Supply			Ø / V / Hz	1 / 220-240 / 50
Circuit Breaker		Min.	A	15
Power Supply Cable (Included Earth)			No x mm²	3C x 1.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288
Weight	Net		kg	33.3
Compressor	Type		-	Twin Rotary
	Type / GWP (Global Warming Potential)		-	R32 / 675
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675
	Chargeless		m	10
	Additional Charge		g/m	20
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1
Total Piping Length		Min. / Max.	m	5 / 30
Piping Elevation	IDU - ODU	Max.	m	30

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

Note :

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2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### Wide Application with diverse design range

- Optional Human Detecting sensor (Presence sensor) provides an adapted airflow (Direct or Indirect Airflow)
- An indoor unit provides the human oriented room temperature according to the floor and ceiling temperature measured by thermopile sensors.
- Optional Air Purification kit, ensuring a health and hygienic environment (Easy to manage air purifying system with Dust Electrification, PM1.0 filter (Fine dust), Deodorizing filter and Ionizer)
- DualVane, Optimized control two separate vanes provides longer stream wind, faster cooling/heating and Indirect airflow, etc
- Optional Elevation Grill with Air Purification (Automatic lifting panel and Air purification), provides customers with clean air as well as maintenance convenience
- Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone

### CT24F / UT30F



### UUC1.U40



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COMBINATION				24	30
Capacity	Cooling	Min. / Rated / Max.	kW	2.7 / 6.8 / 8.0	3.2 / 8.0 / 9.2
	Heating	Min. / Rated / Max.	kW	3.0 / 7.5 / 9.0	3.6 / 8.9 / 10.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.40 / 1.93 / 2.66	0.50 / 2.45 / 3.14
	Heating	Min. / Rated / Max.	kW	0.40 / 1.96 / 2.84	0.50 / 2.62 / 3.25
Running Current	Cooling / Heating	Rated	A	8.6 / 8.7	10.9 / 11.6
EER / COP			kWh/kWh	3.52 / 3.83	3.27 / 3.40
SEER / SCOP			kWh/kWh	7.4 / 4.3	7.1 / 4.3
Pdesign	Cooling @ 35°C		kW	6.8	8
	Heating @ -10°C		kW	5.6	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	322 / 1,823	394 / 1,823
Dehumidification Rate			l/h	2.8	2.8
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	68
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18
INDOOR				CT24F.NB0	UT30F.NB0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	36 / 26 / 21	40 / 33 / 26
Air Flow Rate		H / M / L	m <sup>3</sup> /min	18 / 15.5 / 14	19 / 17 / 15.5
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840
Weight	Body		kg	21.1	21.1
Sound Pressure Level*	Cooling	H / M / L	dB(A)	38 / 36 / 34	40 / 37 / 35
Sound Power Level	Cooling	Max.	dB(A)	53	57
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0
	Model Name		-	PT-AAGW0	PT-AAGW0
Recommended Decoration Panel**	Color		-	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1
OUTDOOR				UUC1.U40	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
Circuit Breaker		Min.	A	25	
Power Supply Cable (Included Earth)			No x mm <sup>3</sup>	3C x 2.5	
Dimensions	Net	W x H x D	mm	950 x 834 x 330	
Weight	Net		kg	57.7	
Compressor	Type		-	Twin Rotary	
	Type / GWP (Global Warming Potential)		-	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.9 / 1.283	
	Chargeless		m	20	
	Additional Charge		g/m	40	
Fan	Air Flow Rate	Rated	m <sup>3</sup> /min x No.	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
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## STANDARD INVERTER (R32)

### Wide Application with diverse design range

- Optional Human Detecting sensor (Presence sensor) provides an adapted airflow (Direct or Indirect Airflow)
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- Optional Air Purification kit, ensuring a health and hygienic environment (Easy to manage air purifying system with Dust Electrification, PM1.0 filter (Fine dust), Deodorizing filter and Ionizer)
- DualVane, Optimized control two separate vanes provides longer stream wind, faster cooling/heating and Indirect airflow, etc
- Optional Elevation Grill with Air Purification (Automatic lifting panel and Air purification), provides customers with clean air as well as maintenance convenience
- Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.6 / 15.8
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.8 / 16.9 / 18.3
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.26 / 3.44	0.70 / 3.31 / 4.30	0.90 / 4.25 / 5.53	1.00 / 5.21 / 5.84
	Heating	Min. / Rated / Max.	kW	0.50 / 2.43 / 3.30	0.70 / 3.51 / 4.56	0.90 / 4.37 / 5.33	1.00 / 5.12 / 5.89
Running Current	Cooling / Heating	Rated	A	10.1 / 10.7	14.6 / 15.0	18.7 / 19.0	23.1 / 22.7
EER / COP			kWh/kWh	4.20 / 4.45	3.66 / 3.85	3.15 / 3.55	2.80 / 3.30
SEER / SCOP			kWh/kWh	7.0 / 4.3	7.0 / 4.3	6.5 / 4.2	6.2 / 4.2
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	475 / 3,093	1,037 / 3,093	1,237 / 3,167	1,413 / 3,167
Dehumidification Rate			l/h	2.4	4.5	5.7	6.6
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UT36F.NA0	UT42F.NA0	UT48F.NA0	UT60F.NA0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	60 / 50 / 45	60 / 50 / 45	80 / 60 / 50	80 / 60 / 50
Air Flow Rate		H / M / L	m³/min	27.5 / 25 / 22.5	27.5 / 25 / 22.5	30 / 27.5 / 25	30 / 27.5 / 25
Dimensions	Body	W x H x D	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Weight	Body		kg	25.3	25.3	25.3	25.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	46 / 44 / 42	46 / 44 / 42
Sound Power Level	Cooling	Max.	dB(A)	61	61	62	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel**	Model Name		-	PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
Weight	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1	7.1	7.1
OUTDOOR				UUD1.U30			
Power Supply			Ø / V / Hz	1 / 220-240 / 50			
Circuit Breaker		Min.	A	40			
Power Supply Cable (Included Earth)			No x mm²	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85.0			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675			
	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charge		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gas
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## STANDARD INVERTER (R32)

### Wide Application with diverse design range

- Optional Human Detecting sensor (Presence sensor) provides an adapted airflow (Direct or Indirect Airflow)
- An indoor unit provides the human oriented room temperature according to the floor and ceiling temperature measured by thermopile sensors.
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- Maximum 4 indoor units can be combined by using a branch kit and setting dip switch for one outdoor unit. It can be easily applied to various sites.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.6 / 15.8
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.8 / 16.9 / 18.3
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.26 / 3.44	0.70 / 3.31 / 4.30	0.90 / 4.25 / 5.53	1.00 / 5.21 / 5.84
	Heating	Min. / Rated / Max.	kW	0.50 / 2.43 / 3.30	0.70 / 3.51 / 4.56	0.90 / 4.37 / 5.33	1.00 / 5.12 / 5.89
Running Current	Cooling / Heating	Rated	A	3.8 / 3.9	5.2 / 5.4	6.6 / 6.7	8.1 / 7.9
EER / COP			kWh/kWh	4.20 / 4.45	3.66 / 3.85	3.15 / 3.55	2.80 / 3.30
SEER / SCOP			kWh/kWh	7.0 / 4.3	7.0 / 4.3	6.5 / 4.2	6.2 / 4.2
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	475 / 3,093	1,037 / 3,093	1,237 / 3,167	1,413 / 3,167
Dehumidification Rate			l/h	2.4	4.5	5.7	6.6
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UT36F.NA0	UT42F.NA0	UT48F.NA0	UT60F.NA0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	60 / 50 / 45	60 / 50 / 45	80 / 60 / 50	80 / 60 / 50
Air Flow Rate		H / M / L	m³/min	27.5 / 25 / 22.5	27.5 / 25 / 22.5	30 / 27.5 / 25	30 / 27.5 / 25
Dimensions	Body	W x H x D	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Weight	Body		kg	25.3	25.3	25.3	25.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	44 / 42 / 41	44 / 42 / 41	46 / 44 / 42	46 / 44 / 42
Sound Power Level	Cooling	Max.	dB(A)	61	61	62	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel**	Model Name		-	PT-AAGW0	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White	White
Dimensions	Body	mm		950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	kg		7.1	7.1	7.1	7.1
OUTDOOR				UUD3.U30			
Power Supply			Ø / V / Hz	3 / 380-415 / 50			
Circuit Breaker		Min.	A	20			
Power Supply Cable (Included Earth)			No x mm³	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85.0			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675			
	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charge		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## COMPACT INVERTER (R32)

### Maximize Space Utilization with Compact Size

#### CT24F, UT30F, UT36F

- Optional Human Detecting sensor (Presence sensor) provides an adapted airflow (Direct or Indirect Airflow)
- An indoor unit provides the human oriented room temperature according to the floor and ceiling temperature measured by thermopile sensors.
- Optional Air Purification kit, ensuring a health and hygienic environment (Easy to manage air purifying system with Dust Electrification, PM1.0 filter (Fine dust), Deodorizing filter and Ionizer)
- DualVane, Optimized control two separate vanes provides longer stream wind, faster cooling/heating and Indirect airflow, etc
- Optional Elevation Grill with Air Purification (Automatic lifting panel and Air purification) , provides customers with clean air as well as maintenance convenience



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COMBINATION				24	30	36
Capacity	Cooling	Min. / Rated / Max.	kW	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.8
	Heating	Min. / Rated / Max.	kW	3.0 / 7.5 / 8.6	3.2 / 7.9 / 8.7	4.3 / 10.8 / 11.7
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.40 / 2.00 / 2.40	0.50 / 2.31 / 2.77	0.60 / 2.79 / 3.57
	Heating	Min. / Rated / Max.	kW	0.40 / 2.21 / 2.87	0.50 / 2.37 / 3.08	0.60 / 2.77 / 3.30
Running Current	Cooling / Heating	Rated	A	8.8 / 9.6	10.1 / 10.4	12.4 / 12.3
EER / COP			kWh/kWh	3.40 / 3.39	3.25 / 3.34	3.40 / 3.90
SEER / SCOP			kWh/kWh	7.0 / 4.2	6.8 / 4.2	6.7 / 4.3
Pdesign	Cooling @ 35°C		kW	6.8	7.5	9.5
	Heating @ -10°C		kW	4.1	4.1	5.6
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	340 / 1,367	386 / 1,367	496 / 1,823
Dehumidification Rate			l/h	2.6	3.1	2.5
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	48 / 53	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	67	70
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 / 48	-10 / 48	-20 / 50
	Heating	Min. / Max.	°C	-15 / 18	-15 / 18	-15 / 18
INDOOR				CT24F.NB0	UT30F.NB0	UT36F.NA0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	36 / 26 / 21	40 / 33 / 26	60 / 50 / 45
Air Flow Rate		H / M / L	m³/min	18 / 15.5 / 14	19 / 17 / 15.5	27.5 / 25 / 22.5
Dimensions	Body	W x H x D	mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840
Weight	Body		kg	21.1	21.1	25.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	38 / 36 / 34	40 / 37 / 35	44 / 42 / 41
Sound Power Level	Cooling	Max.	dB(A)	53	57	61
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 25.0	Ø32.0 / 25.0	Ø32.0 / 25.0
Recommended Decoration Panel**	Model Name		-	PT-AAGW0	PT-AAGW0	PT-AAGW0
	Color		-	White	White	White
	Dimensions	Body	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Weight	Body	kg	7.1	7.1	7.1
OUTDOOR				UUB1.U20	UUC1.U40	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	20	25	
Power Supply Cable (Included Earth)			No x mm²	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	
	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	20	
	Additional Charge		g/m	40	40	
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 35	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	30	

\* : Sound Pressure is not a value declared on Eurovent Program.

\*\* : Decoration panel can be selected as an optional accessory.

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
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**STANDARD INVERTER (R32)**

**Wide Application with diverse design range**

- Perfect circular airflow without blind spots.
- Compact and Minimal exposure design makes the interior look more spacious, harmony and aesthetic .
- Optional Air Purification kit, ensuring a health and hygenic environment (Easy to manage air purifying system with Dust Electrification, PM1.0 filter (Fine dust), Deodorizing filter and Ionizer)
- 6 STEP Vane control, Crystal vane allows for 6-step precision control for cool and warm airflow in every direction.
- **Humidity sensor is included** as standard, so comfort cooling function is possible without separate wired remote controller.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	48
Capacity	Cooling	Min. / Rated / Max.	kW	3.80 / 11.00 / 12.54	5.40 / 13.40 / 15.68
	Heating	Min. / Rated / Max.	kW	4.30 / 12.20 / 13.39	6.20 / 15.50 / 17.52
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 3.06 / 3.98	0.90 / 4.39 / 5.71
	Heating	Min. / Rated / Max.	kW	0.50 / 3.13 / 4.26	0.90 / 4.56 / 5.56
Running Current	Cooling / Heating	Rated	A	10.10 / 10.70	19.50 / 20.20
EER / COP			kWh/kWh	3.60 / 3.90	3.05 / 3.40
SEER / SCOP			kWh/kWh	6.80 / 4.30	6.50 / 4.30
P Design	Cooling @ 35°C		kW	11.0	13.4
	Heating @-10°C		kW	9.0	9.0
Seasonal Energy Label		Cooling / Heating	-	A++ / A+	- / -
Annual Energy Consumption		Cooling / Heating	kWh	566 / 2,930	1,237 / 2,930
Dehumidification Rate			ℓ/h	4.27	5.65
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	52 / 53
ODU Sound Power Level	Cooling / Heating	Rated	dB(A)	66 / -	69 / 69
Piping Connections	Liquid / Gas	Outer Dia.	mm (inch)	Ø 9.52 (3/8) / Ø 15.88 (5/8)	Ø 9.52 (3/8) / Ø 15.88 (5/8)
	Connections Method		-	Flare	Flare
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18
INDOOR				UT36F.NYO	UT48F.NYO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	90 / 66 / 48	125 / 90 / 66
Air Flow Rate		H / M / L	m³/min	25.0 / 21.0 / 19.0	29.0 / 25.0 / 21.0
Dimensions	Body	W x H x D	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050
Weight	Body		kg	30.0	30.0
Sound Pressure Level*	Cooling	H / M / L	dB(A)	44.0 / 40.0 / 38.0	47.0 / 44.0 / 40.0
	Heating	H / M / L	dB(A)	47.0 / 43.0 / 40.0	49.0 / 46.0 / 42.0
Sound Power Level	Cooling	Rated	dB(A)	59	60
	Heating	Rated	dB(A)	-	62
Piping Connections	Drain Pipe	O.D. / I.D.	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0
OUTDOOR				UUD1.U30	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	
Circuit Breaker		Min.	A	40	
Power Supply Cable (included Earth)			No. x mm²	3C x 6.0	
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330	
Weight	Net		kg	85.0	
Compressor	Type		-	LG Inverter Scroll	
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	
	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025	
	Chargeless		m	20	
	Additional Charging Volume		g/m	40	
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2	
Total Piping Length		Min. / Max.	m	5 / 85	
Piping Elevation	IDU-ODU	Max.	m	30	

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
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## STANDARD INVERTER (R32)

### Wide Application with diverse design range

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- 6 STEP Vane control, Crystal vane allows for 6-step precision control for cool and warm airflow in every direction.
- **Humidity sensor is included** as standard, so comfort cooling function is possible without separate wired remote controller.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	48
Capacity	Cooling	Min. / Rated / Max.	kW	3.80 / 11.00 / 12.54	5.40 / 13.40 / 15.68
	Heating	Min. / Rated / Max.	kW	4.30 / 12.20 / 13.39	6.20 / 15.50 / 17.52
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 3.06 / 3.98	0.90 / 4.39 / 5.71
	Heating	Min. / Rated / Max.	kW	0.50 / 3.13 / 4.26	0.90 / 4.56 / 5.56
Running Current	Cooling / Heating	Rated	A	5.20 / 5.30	7.00 / 7.30
EER / COP			kWh/kWh	3.60 / 3.90	3.05 / 3.40
SEER / SCOP			kWh/kWh	6.80 / 4.30	6.50 / 4.30
P Design	Cooling @ 35°C		kW	11.0	13.4
	Heating @-10°C		kW	9.0	9.0
Seasonal Energy Label		Cooling / Heating	-	A++ / A+	- / -
Annual Energy Consumption		Cooling / Heating	kWh	566 / 2,931	1,237 / 2,931
Dehumidification Rate			ℓ/h	4.27	5.65
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	52 / 53
	Cooling / Heating	Rated	dB(A)	66 / -	69 / 69
Piping Connections	Liquid / Gas	Outer Dia.	mm (inch)	Ø 9.52 (3/8) / Ø 15.88 (5/8)	Ø 9.52 (3/8) / Ø 15.88 (5/8)
	Connections Method		-	Flare	Flare
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18
INDOOR				UT36F.NYO	UT48F.NYO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	90 / 66 / 48	125 / 90 / 66
Air Flow Rate		H / M / L	m³/min	25.0 / 21.0 / 19.0	29.0 / 25.0 / 21.0
Dimensions	Body	W x H x D	mm	1,050 x 330 x 1,050	1,050 x 330 x 1,050
Weight	Body		kg	30.0	30.0
Sound Pressure Level*	Cooling	H / M / L	dB(A)	44.0 / 40.0 / 38.0	47.0 / 44.0 / 40.0
	Heating	H / M / L	dB(A)	47.0 / 43.0 / 40.0	49.0 / 46.0 / 42.0
Sound Power Level	Cooling	Rated	dB(A)	59	60
	Heating	Rated	dB(A)	-	62
Piping Connections	Drain Pipe	O.D. / I.D.	mm	Ø 32.0 / 25.0	Ø 32.0 / 25.0
OUTDOOR				UUD3.U30	
Power Supply			Ø / V / Hz	3 / 380-415 / 50	
Circuit Breaker		Min.	A	20	
Power Supply Cable (included Earth)			No. x mm²	5C x 2.5	
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330	
Weight	Net		kg	85.0	
Compressor	Type		-	LG Inverter Scroll	
	Type / GWP (Global Warming Potential)		-	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025	
	Chargeless		m	20	
	Additional Charging Volume		g/m	40	
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2	
Total Piping Length		Min. / Max.	m	5 / 85	
Piping Elevation	IDU-ODU	Max.	m	30	

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Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
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# CEILING CONCEALED DUCT CEILING SUSPENDED



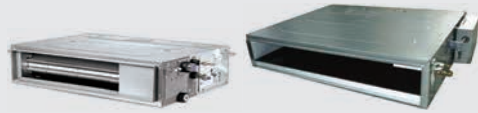


## STANDARD INVERTER (R32)

### High Performance with a height of only 190mm

- A user can easily access the air volume selection via a remote controller using the ESP control function. (No additional accessories are necessary to control the air flow)
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Quiet Operation (Low speed base by Sound pressure)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor. The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water

### LOW STATIC PRESSURE CL09F / CL12F / CL18F / CL24F



### UUA1.ULO UUB1.U20 UUC1.U40



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COMBINATION				9	12	18	24
Capacity	Cooling	Min. / Rated / Max.	kW	1.5 / 2.5 / 3.2	1.5 / 3.4 / 4.7	2.0 / 5.0 / 5.8	2.7 / 6.8 / 7.8
	Heating	Min. / Rated / Max.	kW	1.8 / 3.2 / 4.0	1.8 / 4.0 / 4.9	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 0.66 / 0.93	0.33 / 1.05 / 1.84	0.3 / 1.35 / 1.89	0.4 / 2.03 / 2.84
	Heating	Min. / Rated / Max.	kW	0.38 / 0.74 / 1.63	0.33 / 1.08 / 1.63	0.4 / 1.77 / 2.48	0.4 / 2.13 / 3.30
Running Current	Cooling / Heating	Rated	A	3.0 / 3.3	4.7 / 4.8	7.5 / 8.3	9.0 / 9.4
EER / COP			kWh / kWh	3.80 / 4.30	3.23 / 3.71	3.71 / 3.28	3.35 / 3.52
SEER / SCOP			kWh / kWh	6.1 / 4.0	5.6 / 3.8	6.1 / 3.9	6.2 / 3.9
Pdesign	Cooling @ 35°C		kW	2.5	3.4	5	6.8
	Heating @ -10°C		kW	2.9	2.9	4.1	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A+ / A	A++ / A	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	143 / 1,015	213 / 1,068	287 / 1,472	384 / 1,938
Dehumidification Rate			l/h	0.2	0.8	1.6	2.5
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52	48 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63	65
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50	-15 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18	-20 / 18
INDOOR				CL09F.N50	CL12F.N50	CL18F.N60	CL24F.N30
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	21 / 15 / 13	21 / 15 / 13	100 / 90 / 80	150 / 130 / 110
Air Flow Rate		H / M / L	m³/min	11.5 / 9.5 / 8	11.5 / 9.5 / 8	15 / 12 / 10	20 / 16 / 12
Dimensions	Body	W x H x D	mm	900 x 190 x 460	900 x 190 x 460	1,100 x 190 x 460	1,100 x 190 x 700
Weight	Body		kg	18.0	18.0	20.9	26.0
Sound Pressure Level*	Cooling	H / M / L	dB(A)	35 / 30 / 27	35 / 30 / 27	34 / 31 / 29	39 / 35 / 32
Sound Power Level	Cooling	Max.	dB(A)	55	55	56	58
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUA1.ULO	UUB1.U20	UUC1.U40	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	20	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	33.3	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	10	20	
	Additional Charging Volume		g/m	20	20	40	
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	30	30	

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

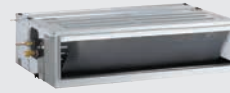
1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance with Auto ESP Control

- Auto External Static pressure (ESP) control allows the duct type indoor unit to automatically set the fan RPM for each airflow rate according to the external static pressure.
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Optional UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor.  
The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water

### MID STATIC PRESSURE CM18F / CM24F / UM30F



UUB1.U20

UUC1.U40



LG participates in the ECP programme for EUROVENT AC program.  
Check ongoing validity of certification  
: [www.eurovent-certification.com](http://www.eurovent-certification.com)

COMBINATION				18	24	30
Capacity	Cooling	Min. / Rated / Max.	kW	2.0 / 5.0 / 5.8	2.7 / 6.8 / 8.0	3.1 / 7.8 / 9.0
	Heating	Min. / Rated / Max.	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.6 / 9.0 / 10.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 1.33 / 1.86	0.40 / 1.95 / 2.69	0.40 / 2.23 / 3.03
	Heating	Min. / Rated / Max.	kW	0.40 / 1.76 / 2.46	0.50 / 2.27 / 3.29	0.50 / 2.64 / 3.33
Running Current	Cooling / Heating	Rated	A	7.4 / 8.3	8.7 / 10.1	9.9 / 11.7
EER / COP			kWh / kWh	3.75 / 3.30	3.49 / 3.31	3.50 / 3.41
SEER / SCOP			kWh / kWh	6.4 / 4.1	6.6 / 3.9	6.1 / 4.0
Pdesign	Cooling @ 35°C		kW	5	6.8	7.8
	Heating @ -10°C		kW	4.1	5.4	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	273 / 1,400	361 / 1,938	448 / 1,890
Dehumidification Rate			l/h	1.2	2.6	2.4
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-20 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				CM18F.N10	CM24F.N10	UM30F.N10
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	150 / 130 / 110	180 / 150 / 130	220 / 200 / 180
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13	18 / 16.5 / 14.5	22 / 20 / 18
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700
Weight	Body		kg	24.6	24.6	26.2
Sound Pressure Level*	Cooling	H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34
Sound Power Level	Cooling	Max.	dB(A)	59	60	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUB1.U20	UUC1.U40	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	20	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	20	
	Additional Charging Volume		g/m	20	40	
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	30	

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

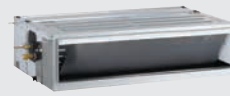
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2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance with Auto ESP Control

- Auto External Static pressure (ESP) control allows the duct type indoor unit to automatically set the fan RPM for each airflow rate according to the external static pressure.
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Optional UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor.  
The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**

### MID STATIC PRESSURE UM36F / UM42F / UM48F / UM60F



### UUD1.U30



LG participates in the ECP programme for EUROVENT AC program.  
Check ongoing validity of certification  
: [www.eurovent-certification.com](http://www.eurovent-certification.com)

COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.0 / 14.0	5.4 / 13.4 / 15.7	5.8 / 14.6 / 15.8
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.7 / 16.8 / 18.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.50 / 3.80	0.70 / 3.48 / 4.52	0.90 / 4.32 / 5.62	1.00 / 4.95 / 5.54
	Heating	Min. / Rated / Max.	kW	0.60 / 2.77 / 3.77	0.80 / 3.74 / 4.86	0.90 / 4.31 / 5.26	0.90 / 4.60 / 5.29
Running Current	Cooling / Heating	Rated	A	11.1 / 12.6	15.3 / 16.4	19.0 / 18.4	21.6 / 20.4
EER / COP			kWh / kWh	3.80 / 3.90	3.45 / 3.61	3.10 / 3.60	2.95 / 3.65
SEER / SCOP			kWh / kWh	5.80 / 3.90	5.60 / 3.90	5.80 / 4.00	5.60 / 4.00
Pdesign	Cooling @ 35°C		kW	9.5	12.0	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A+ / A	A+ / A	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	573 / 3,410	750 / 3,410	1,386 / 3,325	1,564 / 3,325
Dehumidification Rate			l/h	2.9	4.4	4.8	4.7
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UM36F.N20	UM42F.N20	UM48F.N30	UM60F.N30
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	183 / 134 / 101	266 / 200 / 145	242 / 159 / 124	342 / 287 / 242
Air Flow Rate		H / M / L	m³/min	32 / 28 / 24	38 / 33 / 28	40 / 34 / 28	50 / 45 / 40
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	38.5	38.5	43.5	43.5
Sound Pressure Level*	Cooling	H / M / L	dB(A)	36 / 34 / 33	38 / 36 / 34	39 / 38 / 36	42 / 40 / 39
Sound Power Level	Cooling	Max.	dB(A)	60	62	65	66
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUD1.U30			
Power Supply			Ø / V / Hz	1 / 220-240 / 50			
Circuit Breaker		Min.	A	40			
Power Supply Cable (Included Earth)			No x mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type / GWP (Global Warming Potential)		-	R32 / 675			
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

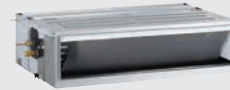
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2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

**STANDARD INVERTER (R32)**

**High Performance with Auto ESP Control**

- Auto External Static pressure (ESP) control allows the duct type indoor unit to automatically set the fan RPM for each airflow rate according to the external static pressure.
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Optional UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor.  
The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**

**MID STATIC PRESSURE  
UM 36F / UM42F / UM48F / UM60F**



**UUD3.U30**



LG participates in the ECP programme for EUROVENT AC program.  
Check ongoing validity of certification : [www.eurovent-certification.com](http://www.eurovent-certification.com)

COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.0 / 14.0	5.4 / 13.4 / 15.7	5.8 / 14.6 / 15.8
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.7 / 16.8 / 18.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.50 / 3.80	0.70 / 3.48 / 4.52	0.90 / 4.32 / 5.62	1.00 / 4.95 / 5.54
	Heating	Min. / Rated / Max.	kW	0.60 / 2.77 / 3.77	0.80 / 3.74 / 4.86	0.90 / 4.31 / 5.26	0.90 / 4.60 / 5.29
Running Current	Cooling / Heating	Rated	A	4.0 / 4.5	5.5 / 5.9	6.8 / 6.5	7.7 / 7.2
EER / COP			kWh / kWh	3.80 / 3.90	3.45 / 3.61	3.10 / 3.60	2.95 / 3.65
SEER / SCOP			kWh / kWh	5.8 / 3.9	5.6 / 3.9	5.8 / 4.0	5.6 / 4.0
Pdesign	Cooling @ 35°C		kW	9.5	12	13.4	14.6
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A+ / A	A+ / A	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	573 / 3,410	750 / 3,410	1,386 / 3,325	1,564 / 3,325
Dehumidification Rate			l/h	2.9	4.4	4.8	4.7
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
INDOOR				UM36F.N20	UM42F.N20	UM48F.N30	UM60F.N30
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	183 / 134 / 101	266 / 200 / 145	242 / 159 / 124	342 / 287 / 242
Air Flow Rate		H / M / L	m³/min	32 / 28 / 24	38 / 33 / 28	40 / 34 / 28	50 / 45 / 40
Dimensions	Body	W x H x D	mm	1,250 x 270 x 700	1,250 x 270 x 700	1,250 x 360 x 700	1,250 x 360 x 700
Weight	Body		kg	38.5	38.5	43.5	43.5
Sound Pressure Level*	Cooling	H / M / L	dB(A)	36 / 34 / 33	38 / 36 / 34	39 / 38 / 36	42 / 40 / 39
Sound Power Level	Cooling	Max.	dB(A)	60	62	65	66
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUD3.U30			
Power Supply			Ø / V / Hz	3 / 380-415 / 50			
Circuit Breaker		Min.	A	20			
Power Supply Cable (Included Earth)			No x mm³	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
	Type / GWP (Global Warming Potential)		-	R32 / 675			
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## COMPACT INVERTER (R32)

### High Performance with a height of only 190mm

- A user can easily access the air volume selection via a remote controller using the ESP control function. (No additional accessories are necessary to control the air flow)
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Quiet Operation (Low speed base by Sound pressure)
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor. The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water



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COMBINATION				18	24
Capacity	Cooling	Min. / Rated / Max.	kW	1.8 / 4.7 / 5.1	2.7 / 6.8 / 7.5
	Heating	Min. / Rated / Max.	kW	2.1 / 5.2 / 5.7	3.0 / 7.5 / 8.6
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.34 / 1.62 / 1.99	0.40 / 2.12 / 2.54
	Heating	Min. / Rated / Max.	kW	0.30 / 1.53 / 1.99	0.50 / 2.41 / 3.13
Running Current	Cooling / Heating	Rated	A	7.2 / 6.8	9.3 / 10.5
EER / COP			kWh / kWh	2.90 / 3.40	3.21 / 3.11
SEER / SCOP			kWh / kWh	5.1 / 3.8	6.0 / 4.1
Pdesign	Cooling @ 35°C		kW	4.7	6.8
	Heating @ -10°C		kW	2.7	4.2
Seasonal Energy Label	Cooling / Heating		-	A / A	A+ / A+
Annual Energy Consumption	Cooling / Heating		kWh	323 / 995	397 / 1,434
Dehumidification Rate			l/h	1.5	2.4
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 / 50	-10 / 48
	Heating	Min. / Max.	°C	-10 / 18	-15 / 18
INDOOR				CL18F.N60	CL24F.N30
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	100 / 90 / 80	150 / 130 / 110
Air Flow Rate		H / M / L	m³/min	15 / 12 / 10	20 / 16 / 12
Dimensions	Body	W x H x D	mm	1,100 x 190 x 460	1,100 x 190 x 700
Weight	Body		kg	20.9	26
Sound Pressure Level*	Cooling	H / M / L	dB(A)	34 / 31 / 29	39 / 35 / 32
Sound Power Level	Cooling	Max.	dB(A)	56	58
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0
OUTDOOR				UUA1.U10	UUB1.U20
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker		Min.	A	15	20
Power Supply Cable (Included Earth)			No x mm³	3C x 1.5	3C x 2.5
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330
Weight	Net		kg	33.3	44.5
Compressor	Type		-	Twin Rotary	Twin Rotary
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675	1.2 / 0.81
	Chargeless		m	10	10
	Additional Charging Volume		g/m	20	40
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1
Total Piping Length		Min. / Max.	m	5 / 30	5 / 35
Piping Elevation	IDU - ODU	Max	m	30	30

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

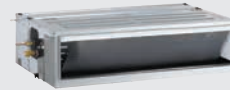
1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## COMPACT INVERTER (R32)

### High Performance with Auto ESP Control

- Auto External Static pressure (ESP) control allows the duct type indoor unit to automatically set the fan RPM for each airflow rate according to the external static pressure.
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor.  
The user can easily detach and re-attach the filter in the available limited space.
- Standard built-in drain pump with 700mm lift increases flexibility and the perfect solution for draining of water

### MID STATIC PRESSURE CM18F / CM24F / UM30F / UM36F



UUA1.U10 UUB1.U20 UUC1.U40



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COMBINATION				18	24	30	36
Capacity	Cooling	Min. / Rated / Max.	kW	1.8 / 5.0 / 5.6	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.5
	Heating	Min. / Rated / Max.	kW	2.2 / 5.5 / 6.7	3.0 / 7.4 / 8.5	3.2 / 8.0 / 8.8	4.3 / 10.8 / 11.5
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.35 / 1.67 / 1.92	0.50 / 2.34 / 2.81	0.50 / 2.57 / 3.08	0.60 / 3.16 / 3.86
	Heating	Min. / Rated / Max.	kW	0.32 / 1.57 / 1.77	0.40 / 2.17 / 2.82	0.50 / 2.25 / 2.93	0.60 / 3.03 / 3.48
Running Current	Cooling / Heating	Rated	A	7.4 / 7.0	10.3 / 9.7	11.0 / 9.7	14.0 / 13.4
EER / COP			kWh / kWh	3.00 / 3.50	2.91 / 3.41	2.92 / 3.56	3.01 / 3.57
SEER / SCOP			kWh / kWh	6.1 / 3.8	5.8 / 4.1	5.6 / 3.9	5.9 / 4.0
Pdesign	Cooling @ 35°C		kW	5	6.8	7.5	9.5
	Heating @ -10°C		kW	2.8	4.1	4.3	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A	A+ / A+	A+ / A	A+ / A+
Annual Energy Consumption	Cooling / Heating		kWh	287 / 1,032	410 / 1,400	469 / 1,544	564 / 1,924
Dehumidification Rate			l/h	1.2	2.5	2.6	3.2
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	67	70
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 / 50	-10 / 48	-10 / 48	-20 / 50
	Heating	Min. / Max.	°C	-10 / 18	-15 / 18	-15 / 18	-15 / 18
<b>INDOOR</b>				<b>CM18F.N10</b>	<b>CM24F.N10</b>	<b>UM30F.N10</b>	<b>UM36F.N20</b>
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	150 / 130 / 110	180 / 150 / 130	220 / 200 / 180	183 / 134 / 101
Air Flow Rate		H / M / L	m³/min	16.5 / 14.5 / 13	18 / 16.5 / 14.5	22 / 20 / 18	32 / 28 / 24
Dimensions	Body	W x H x D	mm	900 x 270 x 700	900 x 270 x 700	900 x 270 x 700	1,250 x 270 x 700
Weight	Body		kg	24.6	24.6	26.2	38.5
Sound Pressure Level*	Cooling	H / M / L	dB(A)	34 / 32 / 30	35 / 34 / 32	37 / 35 / 34	36 / 34 / 33
Sound Power Level	Cooling	Max.	dB(A)	59	60	62	60
Piping Connections	Drain	O.D. / I.D.	mm	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4	Ø25.4 / 19.4
<b>OUTDOOR</b>				<b>UUA1.U10</b>	<b>UUB1.U20</b>	<b>UUC1.U40</b>	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	20	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	33.3	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1 / 0.675	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	10	20	
	Additional Charging Volume		g/m	20	40	40	
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 35	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	30	30	

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

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2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
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## STANDARD INVERTER (R410A)

### Big Capacity of Concealed Duct

- A user can easily access the air volume selection via a remote controller using the ESP control function. (No additional accessories are necessary to control the air flow)
- Operation for Multiple Rooms, Using a spiral duct (embedded or flexible type) and stream chamber, it is possible to operate cooling / heating for several rooms simultaneously (Zone control is available with zone controller accessory. (ABZCA)
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- Flexible Installation (Low Static Pressure Model), Inverter low static duct allows the air intake at the rear or bottom under installation condition.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- No need to disassemble the whole panel for maintenance, since panel is divided into 2 components; one for heat exchanger and the other for fan / motor.  
The user can easily detach and re-attach the filter in the available limited space.



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INDOOR				UB70.N95	UB85.N95
Capacity	Cooling	Min. / Nom. / Max.	kW	7.6 / 19.0 / 20.9	9.2 / 23.0 / 25.3
	Heating	Min. / Nom. / Max.	kW	9.0 / 22.4 / 24.6	10.8 / 27.0 / 29.7
Low Temperature Capacity	Heating -7°C	Max.	kW	18.0	24.0
Power Input (Set)	Heating	Nom.	kW	6.4	8.31
Running Current	Cooling / Heating	Nom.	A	11.5 / 10.7	13.5 / 13.6
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
EER				2.84	2.81
COP				3.50	3.25
SEER				4.90	4.80
SCOP				3.53	3.51
Pdesign (@ -10°C)			kW	13.4	18.5
Seasonal Energy Label	Cooling / Heating			-	-
Annual Energy Consumption	Cooling / Heating		kWh	-	-
Piping Connection	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø25.4 (1/1)	Ø12.7 (1/2) / Ø22.2 (7/8)
	Drain	O.D. / I.D.	mm	32 / 25	32 / 25
Air Flow Rate		High / Medium / Low	m³/min	70.0 / 65.0 / 60.0	80.0 / 72.0 / 64.0
Sound Pressure*	Cooling	High / Medium / Low	dB(A)	43 / 41 / 40	43 / 41 / 40
Sound Power	Cooling	Max.	dB(A)	73	75
Dehumidification Rate			l/h	1.81 (4.2)	5.14 (11.9)
Dimensions	Body	W x H x D	mm	1,563 x 460 x 688	1,563 x 460 x 688
Net Weight	Body		kg	90.0	90.0
External Static Pressure		Min. / Max.	mmAq(Pa)	6 / 25 (60 / 250)	6 / 25 (60 / 250)
OUTDOOR				UU70W.U34	UU85W.U74
Compressor	Type			Hermetically Sealed Scroll	Hermetically Sealed Scroll
Airflow Rate		Nom.	m³/min	110	190
Sound Pressure*	Cooling	Nom.	dB(A)	55	59
	Heating	Nom.	dB(A)	58	60
Sound Power	Cooling	Max.	dB(A)	75	75
Dimensions	W x H x D		mm	950 x 1,380 x 330	1,090 x 1,625 x 380
Net Weight			kg	110	144.0
Refrigerant	Type			R410A	R410A
	Charge		g	5,200	5,500
	Additional Charge		g/m	70	70
	GWP			2087.5	2087.5
	t-CO <sub>2</sub> eq			10.9	11.5
Operation Range (Outdoor)	Cooling	Min. / Max.	°C DB	-20 / 48	-20 / 48
	Heating	Min. / Max.	°C WB	-18 / 18	-18 / 18
Power Supply			Ø / V / Hz	3 / 380-415 / 50	3 / 380-415 / 50
Power Supply Cable			No. x mm²	5C x 2.5	5C x 2.5
Transmission Cable			No. x mm²	4C x 1.0	4C x 1.0
Circuit Breaker			A	30	30
Piping Length Total		Min. / Max.	m	5 / 75	5 / 75
Piping Elevation Difference	IDU - ODU	Max.	m	30	30
Piping Connection	Liquid / Gas		mm (inch)	Ø9.53 (3/8) / Ø25.4 (1/1)	Ø12.7 (1/2) / Ø22.2 (7/8)

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R410A)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance by Powerful cooling & heating

- High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- 5 different fan speeds available for comfort, maximum cooling & heating
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- One Touch & 2 Piece Filter, Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



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COMBINATION				18	24	30
Capacity	Cooling	Min. / Rated / Max.	kW	2.0 / 5.0 / 5.8	2.7 / 6.7 / 8.0	3.1 / 7.7 / 8.8
	Heating	Min. / Rated / Max.	kW	2.3 / 5.8 / 6.7	3.0 / 7.5 / 9.0	3.4 / 8.6 / 9.6
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 1.33 / 1.86	0.40 / 1.99 / 2.69	0.50 / 2.25 / 3.08
	Heating	Min. / Rated / Max.	kW	0.40 / 1.76 / 2.46	0.40 / 2.2 / 3.08	0.50 / 2.5 / 3.20
Running Current	Cooling / Heating	Rated	A	7.5 / 8.3	8.8 / 9.8	10.0 / 11.1
EER / COP			kWh / kWh	3.75 / 3.29	3.37 / 3.41	3.42 / 3.44
SEER / SCOP			kWh / kWh	6.6 / 4.3	7.2 / 4.2	6.8 / 4.4
Pdesign	Cooling @ 35°C		kW	5	6.7	7.7
	Heating @ -10°C		kW	4.2	4.9	5.4
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 1,368	326 / 1,633	396 / 1,718
Dehumidification Rate			l/h	1.8	2.7	3.0
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	47 / 52	48 / 52	50 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65	68
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-20 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
<b>INDOOR</b>				<b>UV18F.N10</b>	<b>UV24F.N10</b>	<b>UV30F.N10</b>
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33
Air Flow Rate		H / M / L	m³/min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690
Weight	Body		kg	27.3	28	28
Sound Pressure Level*	Cooling	H / M / L	dB (A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43
Sound Power Level	Cooling	Max	dB (A)	55	61	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
<b>OUTDOOR</b>				<b>UUB1.U20</b>	<b>UUC1.U40</b>	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min	A	20	25	
Power Supply Cable (Included Earth)			No x mm²	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330	
Weight	Net		kg	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	
	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	20	
	Additional Charging Volume		g/m	20	40	
Fan	Air Flow Rate	Rated	m³/min x No.	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 50	
Piping Elevation	IDU - ODU	Max	m	30	30	

\*: Sound Pressure is not a value declared on Eurovent Program.

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
4. This product contains fluorinated greenhouse gases (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.



## STANDARD INVERTER (R32)

### High Performance by Powerful cooling & heating

- High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- 5 different fan speeds available for comfort, maximum cooling & heating
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- One Touch & 2 Piece Filter, Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.4 / 15.6
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.7 / 16.8 / 18.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.65 / 4.03	0.80 / 3.90 / 5.07	0.90 / 4.50 / 5.85	1.10 / 5.33 / 5.97
	Heating	Min. / Rated / Max.	kW	0.50 / 2.60 / 3.54	0.80 / 3.75 / 4.88	0.90 / 4.77 / 5.82	1.10 / 5.60 / 6.44
Running Current	Cooling / Heating	Rated	A	11.7 / 11.4	17.0 / 16.5	19.7 / 20.6	23.6 / 24.6
EER / COP			kWh / kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh / kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
<b>INDOOR</b>				<b>UV36F.N20</b>	<b>UV42F.N20</b>	<b>UV48F.N20</b>	<b>UV60F.N20</b>
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
	Weight	Body	kg	36.7	36.7	36.7	36.7
Sound Pressure Level*	Cooling	H / M / L	dB (A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max	dB (A)	62	62	63	63
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
<b>OUTDOOR</b>				<b>UUD1.U30</b>			
Power Supply			Ø / V / Hz	1 / 220-240 / 50			
Circuit Breaker		Min	A	40			
Power Supply Cable (Included Earth)			No x mm³	3C x 6.0			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675			
	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max	m	30			

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
4. This product contains fluorinated greenhouse gases (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance by Powerful cooling & heating

- High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- 5 different fan speeds available for comfort, maximum cooling & heating
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- One Touch & 2 Piece Filter, Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.
- **Operation range (heating) is -25°C ~ 18°C (Min/Max)**



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COMBINATION				36	42	48	60
Capacity	Cooling	Min. / Rated / Max.	kW	3.8 / 9.5 / 12.5	4.8 / 12.1 / 14.2	5.4 / 13.4 / 15.7	5.8 / 14.4 / 15.6
	Heating	Min. / Rated / Max.	kW	4.3 / 10.8 / 13.4	5.4 / 13.5 / 15.8	6.2 / 15.5 / 17.5	6.7 / 16.8 / 18.1
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.65 / 4.03	0.80 / 3.90 / 5.07	0.90 / 4.50 / 5.85	1.10 / 5.33 / 5.97
	Heating	Min. / Rated / Max.	kW	0.50 / 2.60 / 3.54	0.80 / 3.75 / 4.88	0.90 / 4.77 / 5.82	1.10 / 5.60 / 6.44
Running Current	Cooling / Heating	Rated	A	4.2 / 4.1	6.1 / 5.9	7.0 / 7.3	8.2 / 8.5
EER / COP			kWh / kWh	3.59 / 4.15	3.10 / 3.60	2.98 / 3.25	2.70 / 3.00
SEER / SCOP			kWh / kWh	6.3 / 4.1	6.3 / 4.1	5.9 / 4.1	5.7 / 4.1
Pdesign	Cooling @ 35°C		kW	9.5	12.1	13.4	14.4
	Heating @ -10°C		kW	9.5	9.5	9.5	9.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	- / -	- / -	- / -
Annual Energy Consumption	Cooling / Heating		kWh	528 / 3,244	1,152 / 3,244	1,363 / 3,244	1,516 / 3,244
Dehumidification Rate			l/h	3.6	5.5	6.3	7.1
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 50	51 / 52	52 / 53	54 / 54
ODU Sound Power Level	Cooling	Rated	dB(A)	66	69	69	71
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 / 52	-20 / 52	-20 / 52	-20 / 52
	Heating	Min. / Max.	°C	-25 / 18	-25 / 18	-25 / 18	-25 / 18
<b>INDOOR</b>				<b>UV36F.N20</b>	<b>UV42F.N20</b>	<b>UV48F.N20</b>	<b>UV60F.N20</b>
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	50 / 35 / 28	50 / 35 / 28	59 / 40 / 28	59 / 40 / 28
Air Flow Rate		H / M / L	m³/min	28 / 24 / 20	28 / 24 / 20	30 / 25 / 20	30 / 25 / 20
Dimensions	Body	W x H x D	mm	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690	1,600 x 235 x 690
Weight	Body		kg	36.7	36.7	36.7	36.7
Sound Pressure Level*	Cooling	H / M / L	dB (A)	46 / 43 / 40	46 / 43 / 40	48 / 44 / 40	48 / 44 / 40
Sound Power Level	Cooling	Max.	dB (A)	62	62	63	63
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
<b>OUTDOOR</b>				<b>UUD3.U30</b>			
Power Supply			Ø / V / Hz	3 / 380-415 / 50			
Circuit Breaker		Min.	A	20			
Power Supply Cable (Included Earth)			No x mm²	5C x 2.5			
Dimensions	Net	W x H x D	mm	950 x 1,380 x 330			
Weight	Net		kg	85			
Compressor	Type		-	Inverter Scroll			
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675			
	Precharged Amount / t-CO <sub>2</sub> eq		kg	3.0 / 2.025			
	Chargeless		m	20			
	Additional Charging Volume		g/m	40			
Fan	Air Flow Rate	Rated	m³/min x No.	55 x 2			
Total Piping Length		Min. / Max.	m	5 / 85			
Piping Elevation	IDU - ODU	Max.	m	30			

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Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation
- This product contains fluorinated greenhouse gases (R32)
- For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## COMPACT INVERTER (R32)

### High Performance by Powerful cooling & heating

- High ceiling mode provides powerful cooling and heating up to 4.2m in height from floor, 15m away from ceiling.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- 5 different fan speeds available for comfort, maximum cooling & heating
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- One Touch & 2 Piece Filter, Easy in / out filter structure as well as a simplified two-piece filter, which slides out for easy cleaning and maintenance.



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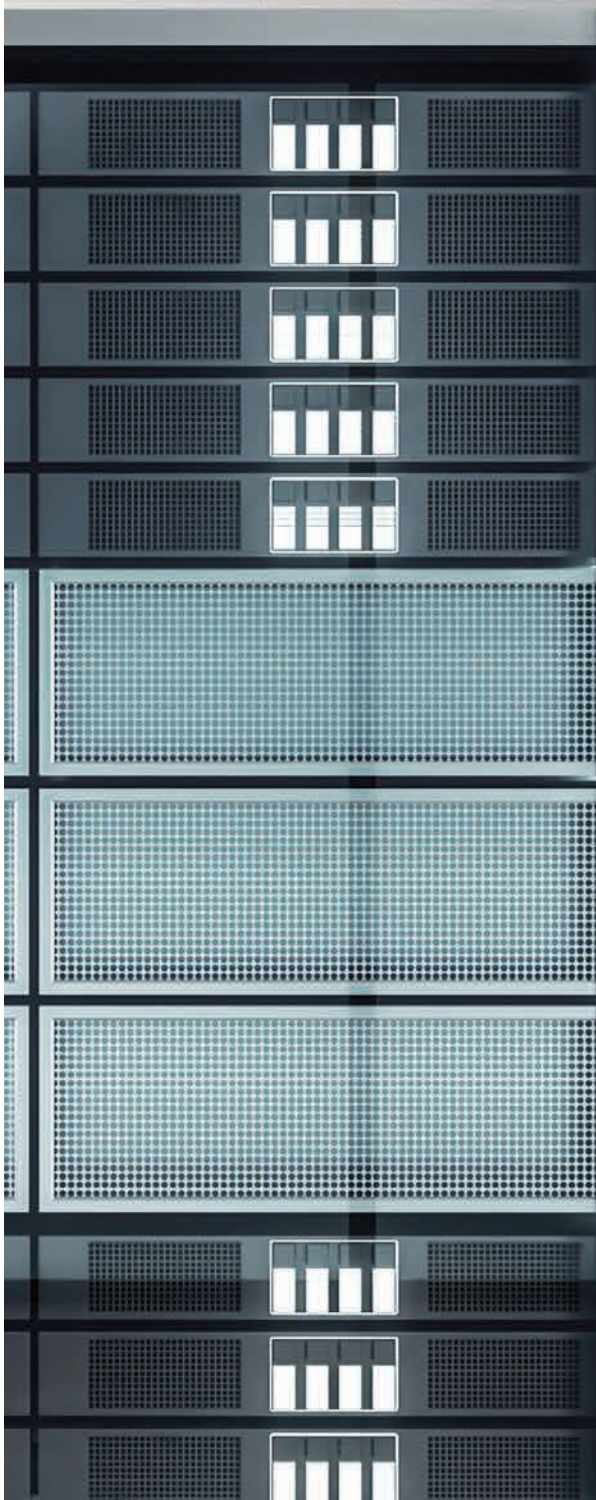
COMBINATION				18	24	30	36
Capacity	Cooling	Min. / Rated / Max.	kW	1.8 / 5.0 / 5.5	2.7 / 6.8 / 7.5	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.5
	Heating	Min. / Rated / Max.	kW	2.2 / 5.3 / 5.8	2.9 / 7.3 / 8.4	3.2 / 8.0 / 8.8	4.1 / 10.3 / 11.5
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.32 / 1.61 / 1.93	0.40 / 2.06 / 2.47	0.50 / 2.42 / 2.90	0.70 / 3.28 / 3.87
	Heating	Min. / Rated / Max.	kW	0.30 / 1.44 / 1.86	0.40 / 2.23 / 2.90	0.50 / 2.48 / 3.22	0.60 / 2.78 / 3.45
Running Current	Cooling / Heating	Rated	A	7.2 / 6.4	9.0 / 9.7	10.6 / 10.8	14.6 / 12.3
EER / COP			kWh / kWh	3.10 / 3.70	3.30 / 3.28	3.10 / 3.23	2.90 / 3.70
SEER / SCOP			kWh / kWh	6.6 / 4.6	6.6 / 4.2	6.6 / 4.3	6.1 / 4.2
Pdesign	Cooling @ 35°C		kW	5	6.8	7.5	9.5
	Heating @ -10°C		kW	2.9	4.3	4.4	5.5
Seasonal Energy Label	Cooling / Heating		-	A++ / A++	A++ / A+	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	265 / 883	361 / 1,433	398 / 1,433	545 / 1,833
Dehumidification Rate			l/h	1.7	2.4	2.8	3.6
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	48 / 53	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	67	70
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø12.7 (1/2)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 / 50	-10 / 48	-10 / 48	-20 / 50
	Heating	Min. / Max.	°C	-10 / 18	-15 / 18	-15 / 18	-15 / 18
<b>INDOOR</b>				<b>UV18F.N10</b>	<b>UV24F.N10</b>	<b>UV30F.N10</b>	<b>UV36F.N20</b>
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	17 / 15 / 13	33 / 26 / 19	47 / 40 / 33	50 / 35 / 28
Air Flow Rate		H / M / L	m³/min	13 / 12 / 11	16 / 15 / 14	19 / 17.5 / 16	28 / 24 / 20
Dimensions	Body	W x H x D	mm	1,200 x 235 x 690	1,200 x 235 x 690	1,200 x 235 x 690	1,600 x 235 x 690
	Weight	Body	kg	27.3	28	28	36.7
Sound Pressure Level*	Cooling	H / M / L	dB (A)	42 / 40 / 39	46 / 45 / 43	46 / 44 / 43	46 / 43 / 40
Sound Power Level	Cooling	Max.	dB (A)	55	61	62	62
Piping Connections	Drain	O.D. / I.D.	mm	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0	Ø32.0 / 26.0
<b>OUTDOOR</b>				<b>UUA1.ULO</b>	<b>UUB1.U20</b>	<b>UUC1.U40</b>	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	20	25	
Power Supply Cable (Included Earth)			No x mm³	3C x 1.5	3C x 2.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	950 x 834 x 330	
	Weight	Net	kg	33.3	44.5	57.7	
Compressor	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675	
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675	1.2 / 0.81	1.9 / 1.283	
	Chargeless		m	10	10	20	
	Additional Charging Volume		g/m	20	40	40	
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	58 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 35	5 / 50	
Piping Elevation	IDU - ODU	Max.	m	30	30	30	

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Note :

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
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# CONSOLE WALL MOUNTED AHU SOLUTION ACCESSORIES



## STANDARD INVERTER (R32)

### Optimized Air Flow for Cooling & Heating

- During cooling operation, the vane adjusts upwards to direct the air flow toward the ceiling. During heating operation, the van directs the air flow toward the floor to balance out the room temperature.
- Optional Two thermistors control, The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit.
- 5 step vane control for the air flow direction
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Easy Installation, 6 different ways to Install piping
- Easy Service, Easy Slide-Type PCB
- **Standard for Wi-Fi (Embedded)**
- **Standard for Ionizer**
- **Standard for Wireless controller with the indoor console unit.**



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COMBINATION				9	12	18
Capacity	Cooling	Min. / Rated / Max.	kW	1.5 / 2.6 / 3.4	1.5 / 3.5 / 4.0	2.0 / 5.0 / 5.8
	Heating	Min. / Rated / Max.	kW	1.6 / 3.1 / 3.9	1.6 / 4.0 / 4.3	2.0 / 4.9 / 5.4
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.30 / 0.65 / 0.91	0.30 / 1.00 / 1.46	0.40 / 1.75 / 2.45
	Heating	Min. / Rated / Max.	kW	0.30 / 0.74 / 1.08	0.30 / 1.05 / 1.58	0.30 / 1.56 / 2.11
Running Current	Cooling / Heating	Rated	A	2.9 / 3.3	4.4 / 4.7	8.3 / 8.0
EER / COP			kWh / kWh	4.00 / 4.20	3.50 / 3.80	2.85 / 3.14
SEER / SCOP			kWh / kWh	6.5 / 4.0	6.4 / 4.0	5.8 / 3.8
Pdesign	Cooling @ 35°C		kW	2.6	3.5	5
	Heating @ -10°C		kW	2.8	3	3.8
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+	A+ / A
Annual Energy Consumption	Cooling / Heating		kWh	140 / 980	191 / 1,050	302 / 1,396
Dehumidification Rate			l/h	0.7	1.3	2.4
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	49 / 52	49 / 52	47 / 52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65	63
Piping Connections	Liquid / Gas		mm (inch)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø9.52 (3/8)	Ø6.35 (1/4) / Ø12.7 (1/2)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50	-15 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18	-20 / 18
INDOOR				UQ09F.NAO	UQ12F.NAO	UQ18F.NAO
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	37 / 30 / 25	37 / 30 / 25	44 / 39 / 35
Air Flow Rate		H / M / L	m³/min	8.5 / 6.7 / 5.0	8.5 / 6.7 / 5.0	10.1 / 8.6 / 7.2
Dimensions	Body	W x H x D	mm	700 x 600 x 210	700 x 600 x 210	700 x 600 x 210
Weight	Body		kg	16.3	16.3	16.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	38 / 32 / 27	38 / 32 / 27	44 / 39 / 35
Sound Power Level	Cooling	Max.	dB(A)	59	59	60
Piping Connections	Drain	O.D. / I.D.	mm	Ø16.7 / 12.2	Ø16.7 / 12.2	Ø16.7 / 12.2
OUTDOOR				UUA1.ULO	UUB1.U20	
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	20	
Power Supply Cable (Included Earth)			No x mm²	3C x 1.5	3C x 2.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	870 x 650 x 330	
Weight	Net		kg	33.3	44.5	
Compressor	Type		-	Twin Rotary	Twin Rotary	
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	
	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.0 / 0.675	1.2 / 0.81	
	Chargeless		m	10	10	
	Additional Charging Volume		g/m	20	20	
Fan	Air Flow Rate	Rated	m³/min x No.	28 x 1	50 x 1	
Total Piping Length		Min. / Max.	m	5 / 30	5 / 30	
Piping Elevation	IDU - ODU	Max.	m	30	30	

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
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## STANDARD INVERTER (R32)

### High Performance with Wide Operation Range

- Operation range (heating) is -20°C ~ 18°C (Min/Max)
- The interior of the air conditioner is maintained clean by drying off the heat exchanger. (Prevents the formation of mold and odors on the heat exchanger)
- The air is comfortably spread up, down, left and rightwards by 6 different discharge angles via the remote control
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Standard for Wi-Fi (Embedded)
- Standard for Wireless controller with the flooring standing unit.



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COMBINATION				9	12
Capacity	Cooling	Min. / Rated / Max.	kW	1.50 / 2.50 / 3.20	1.50 / 3.50 / 4.00
	Heating	Min. / Rated / Max.	kW	1.80 / 3.20 / 3.70	1.80 / 4.00 / 4.40
Power Input	Cooling	Min. / Rated / Max.	kW	0.30 / 0.58 / 0.84	0.33 / 0.97 / 1.48
	Heating	Min. / Rated / Max.	kW	0.30 / 0.71 / 0.85	0.33 / 1.00 / 1.48
Running Current	Cooling / Heating	Rated	A	2.60 / 3.20	4.40 / 4.50
EER / COP			kWh / kWh	4.30 / 4.50	3.60 / 4.00
SEER / SCOP			kWh / kWh	7.00 / 4.00	6.60 / 4.00
Pdesign	Cooling @ 35°C		kW	2.5	3.5
	Heating @ -10°C		kW	2.8	2.8
Seasonal Energy Label		Cooling / Heating	-	A++ / A+	A++ / A+
Annual Energy Consumption		Cooling / Heating	kWh	125 / 980	186 / 980
Dehumidification Rate			ℓ/h	1.90	1.90
ODU Sound Pressure Level*	Cooling	Rated	dB(A)	49	49
	Heating	Rated	dB(A)	52	52
ODU Sound Power Level	Cooling	Rated	dB(A)	65	65
	Heating	Rated	dB(A)	-	-
Piping Connections	Liquid / Gas	Outer Dia.	mm (inch)	∅ 6.35 (1/4) / ∅ 9.52 (3/8)	∅ 6.35 (1/4) / ∅ 9.52 (3/8)
	Connections Method			Flare	Flare
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-15 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18
INDOOR				MJ09PC.NSJ	MJ12PC.NSJ
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input	Min. / Nom. / Max.		W	11 / 18 / 30	11 / 19 / 30
Air Flow Rate		H / M / L	m <sup>3</sup> /min	7.6 / 6.2 / 4.8	8.0 / 6.6 / 5.5
Dimensions	Body	W x H x D	mm	818 x 316 x 189	818 x 316 x 189
Weight	Body		kg (lbs)	8.2 (18.1)	8.2 (18.1)
	Shipping		kg (lbs)	10.2 (22.5)	10.2 (22.5)
Sound Pressure Level*	Cooling	H / M / L	dB(A)	36 / 32 / 27	38 / 34 / 29
Sound Power Level	Cooling	Max.	dB(A)	56	56
Piping Connections	Drain	O.D. / I.D.	mm	∅ 21.5 / 16.0	∅ 21.5 / 16.0
OUTDOOR				UUA1.ULO	
Power Supply			∅ / V / Hz	1 / 220-240 / 50	
Circuit Breaker		Min.	A	15	
Power Supply Cable (included Earth)			No. x mm <sup>2</sup>	3C x 1.5	
Dimensions	Net	W x H x D	mm	770 x 545 x 288	
Weight	Net		kg	33.3	
Compressor	Type			Twin Rotary	
Refrigerant	Type / GWP (Global Warming Potential)			R32 / 675	
	Precharged Amount / t-CO <sub>2</sub> eq.		kg	1.0 / 0.675	
	Control			EEV	
	Chargeless		m	10	
	Additional Charging Volume		g/m	20	
Total Piping Length	Air Flow Rate	Rated	m <sup>3</sup> /min x No.	28 x 1	
		Min. / Max.	m	5.0 / 30.0	
Piping Elevation	IDU-ODU	Max.	m	30	

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  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance with Wide Operation Range

- Operation range (heating) is -20°C ~ 18°C (Min/Max)
- The interior of the air conditioner is maintained clean by drying off the heat exchanger. (Prevents the formation of mold and odors on the heat exchanger)
- The air is comfortably spread up, down, left and rightwards by 6 different discharge angles via the remote control
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Standard for Wi-Fi (Embedded)
- Standard for Wireless controller with the flooring standing unit.



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COMBINATION				18	24
Capacity	Cooling	Min. / Rated / Max.	kW	2.00 / 5.00 / 7.00	2.70 / 6.80 / 7.70
	Heating	Min. / Rated / Max.	kW	2.30 / 5.80 / 6.10	3.00 / 6.90 / 7.24
Power Input	Cooling	Min. / Rated / Max.	kW	0.30 / 1.39 / 2.63	0.40 / 2.00 / 2.57
	Heating	Min. / Rated / Max.	kW	0.30 / 1.71 / 1.96	0.40 / 2.30 / 2.50
Running Current	Cooling / Heating	Rated	A	6.30 / 7.70	9.10 / 10.60
EER / COP			kWh / kWh	3.61 / 3.40	3.40 / 3.00
SEER / SCOP			kWh / kWh	6.80 / 4.00	6.70 / 3.90
Pdesign	Cooling @ 35°C		kW	5.0	6.8
	Heating @ -10°C		kW	4.1	5.0
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	257 / 1,365	355 / 1,795
Dehumidification Rate			ℓ/h	3.35	3.50
ODU Sound Pressure Level*	Cooling	Rated	dB(A)	47	48
	Heating	Rated	dB(A)	52	52
ODU Sound Power Level	Cooling	Rated	dB(A)	63	65
	Heating	Rated	dB(A)	-	-
Piping Connections	Liquid / Gas	Outer Dia.	mm (inch)	∅ 6.35 (1/4) / ∅ 12.7 (1/2)	∅ 9.52 (3/8) / ∅ 15.88 (5/8)
	Connections Method			Flare	Flare
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-15 / 50	-20 / 50
	Heating	Min. / Max.	°C	-20 / 18	-20 / 18
INDOOR				MJ18PC.NSK	MJ24PC.NSK
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input	Min. / Nom. / Max.		W	26 / 39 / 60	27 / 45 / 60
Air Flow Rate		H / M / L	m³/min	15.8 / 12.4 / 10.0	16.9 / 12.8 / 10.4
Dimensions	Body	W x H x D	mm	975 x 354 x 209	975 x 354 x 209
Weight	Body		kg (lbs)	10.9 (24.0)	11.5 (25.4)
	Shipping		kg (lbs)	13.9 (30.6)	14.5 (32.0)
Sound Pressure Level*	Cooling	H / M / L	dB(A)	44 / 38 / 34	46 / 41 / 36
Sound Power Level	Cooling	Max	dB(A)	59	65
Piping Connections	Drain	O.D. / I.D.	mm	∅ 21.5 / 16.0	∅ 21.5 / 16.0
OUTDOOR				UUB1.U20	UUC1.U40
Power Supply			∅ / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker		Min	A	20	25
Power Supply Cable (included Earth)			No. x mm²	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type			Twin Rotary	Twin Rotary
	Type / GWP (Global Warming Potential)			R32 / 675	R32 / 675
Refrigerant	Precharged Amount / t-CO <sub>2</sub> eq.		kg	1.2 / 0.810	1.9 / 1.283
	Control			EEV	EEV
	Chargeless		m	10	20
	Additional Charging Volume		g/m	20	40
	Air Flow Rate	Rated	m³/min x No.		50 x 1
Total Piping Length		Min. / Max.	m	5.0 / 35.0	5.0 / 50.0
Piping Elevation	IDU-ODU	Max.	m	30	30

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

- Due to our policy of innovation some specifications may be changed without notification.
- Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- This product contains fluorinated greenhouse gases. (R32)
- For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

## STANDARD INVERTER (R32)

### High Performance with Wide Operation Range

- Operation range (heating) is -20°C ~ 18°C (Min/Max) for US30F
- Operation range (heating) is -25°C ~ 18°C (Min/Max) for US36F
- The interior of the air conditioner is maintained clean by drying off the heat exchanger. (Prevents the formation of mold and odors on the heat exchanger)
- The air is comfortably spread up, down, left and rightwards by 6 different discharge angles via the remote control
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- Standard for Wi-Fi (Embedded)
- Standard for Wireless controller with the flooring standing unit.



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COMBINATION				30	36	36
Capacity	Cooling	Min. / Rated / Max.	kW	3.2 / 8.0 / 9.0	3.8 / 9.5 / 12.5	3.8 / 9.5 / 12.5
	Heating	Min. / Rated / Max.	kW	3.6 / 9.0 / 10.0	4.3 / 10.8 / 13.4	4.3 / 10.8 / 13.4
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.28 / 3.17	0.30 / 2.57 / 3.91	0.30 / 2.57 / 3.91
	Heating	Min. / Rated / Max.	kW	0.50 / 2.5 / 3.20	0.50 / 2.77 / 3.77	0.50 / 2.77 / 3.77
Running Current	Cooling / Heating	Rated	A	10.1 / 11.1	11.4 / 12.2	4.1 / 4.4
EER / COP			kWh / kWh	3.51 / 3.60	3.70 / 3.90	3.70 / 3.90
SEER / SCOP			kWh / kWh	7.0 / 4.3	6.10 / 3.85	6.10 / 3.85
Pdesign	Cooling @ 35°C		kW	8	9.5	9.5
	Heating @ -10°C		kW	5.4	8.7	8.7
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A	A++ / A
Annual Energy Consumption	Cooling / Heating		kWh	400 / 1,758	545 / 3,164	545 / 3,164
Dehumidification Rate			l/h	2.9	3.8	3.8
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 52	50 / 50	50 / 50
ODU Sound Power Level	Cooling	Rated	dB(A)	68	66	66
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-20 ~ 50	-20 ~ 52	-20 ~ 52
	Heating	Min. / Max.	°C	-20 ~ 18	-25 ~ 18	-25 ~ 18
INDOOR				US30F.NR0	US36F.NR0	US36F.NR0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	47 / 42 / 36	65 / 47 / 42	65 / 47 / 42
Air Flow Rate		H / M / L	m <sup>3</sup> /min	21 / 17 / 13	25 / 21 / 17	25 / 21 / 17
Dimensions	Body	W x H x D	mm	1,200 x 360 x 265	1,200 x 360 x 265	1,200 x 360 x 265
Weight	Body		kg	18.3	18.3	18.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	46.0 / 42.0 / 38.0	51.0 / 46.0 / 42.0	51.0 / 46.0 / 42.0
Sound Power Level	Cooling	Max.	dB(A)	62	65	65
Piping Connections	Drain	O.D. / I.D.	mm	Ø21.5 / 16.0	Ø21.5 / 16.0	Ø21.5 / 16.0
OUTDOOR				UUC1.U40	UUD1.U30	UUD3.U30
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	3 / 380-415 / 50
Circuit Breaker		Min.	A	25	40	20
Power Supply Cable (Included Earth)			No x mm <sup>3</sup>	3C x 2.5	3C x 6.0	5C x 2.5
Dimensions	Net	W x H x D	mm	950 x 834 x 330	950 x 1,380 x 330	950 x 1,380 x 330
Weight	Net		kg	57.7	85	85
Compressor	Type		-	Twin Rotary	Inverter Scroll	Inverter Scroll
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675
	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.9 / 1.283	3.0 / 2.025	3.0 / 2.025
	Chargeless		m	20	20	20
	Additional Charging Volume		g/m	40	40	40
Fan	Air Flow Rate	Rated	m <sup>3</sup> /min x No.	58 x 1	55 x 2	55 x 2
Total Piping Length		Min. / Max.	m	5 / 50	5 / 85	5 / 85
Piping Elevation	IDU - ODU	Max.	m	30	30	30

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
4. This product contains fluorinated greenhouse gases. (R32)
5. For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.



## COMPACT INVERTER (R32)

### High Performance with Easy Installation

- Solution for small businesses and shops
- The interior of the air conditioner is maintained clean by drying off the heat exchanger. (Prevents the formation of mold and odors on the heat exchanger)
- The air is comfortably spread up, down, left and rightwards by 6 different discharge angles via the remote control
- Smart Sensor (Temperature Sensor + Pressure Sensor) operation can reach desired Indoor temperature more rapidly.
- Mobile LGMV (monitoring View) helps engineers to inspect and monitor an air conditioning unit easily by mobile phone
- **Standard for Wi-Fi (Embedded)**
- **Standard for Wireless controller with the flooring standing unit.**



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Check ongoing validity of certification  
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COMBINATION				30	36
Capacity	Cooling	Min. / Rated / Max.	kW	3.0 / 7.5 / 8.3	3.8 / 9.5 / 10.6
	Heating	Min. / Rated / Max.	kW	3.1 / 7.7 / 8.5	4.3 / 10.8 / 11.5
Power Input (Set)	Cooling	Min. / Rated / Max.	kW	0.50 / 2.31 / 2.77	0.60 / 3.06 / 3.67
	Heating	Min. / Rated / Max.	kW	0.40 / 2.14 / 2.78	0.60 / 3.0 / 3.72
Running Current	Cooling / Heating	Rated	A	10.1 / 9.3	13.6 / 13.3
EER / COP			kWh / kWh	3.25 / 3.60	3.10 / 3.60
SEER / SCOP			kWh / kWh	6.8 / 4.1	6.4 / 4.1
Pdesign	Cooling @ 35°C		kW	7.5	9.5
	Heating @ -10°C		kW	4.3	5.8
Seasonal Energy Label	Cooling / Heating		-	A++ / A+	A++ / A+
Annual Energy Consumption	Cooling / Heating		kWh	386 / 1,468	520 / 1,980
Dehumidification Rate			l/h	3.0	3.5
ODU Sound Pressure Level*	Cooling / Heating	Rated	dB(A)	50 / 54	54 / 56
ODU Sound Power Level	Cooling	Rated	dB(A)	67	70
Piping Connections	Liquid / Gas		mm (inch)	Ø9.52 (3/8) / Ø15.88 (5/8)	Ø9.52 (3/8) / Ø15.88 (5/8)
	Connections Method		-	Flared	Flared
Operation Range (Outdoor)	Cooling	Min. / Max.	°C	-10 ~ 48	-20 ~ 50
	Heating	Min. / Max.	°C	-15 ~ 18	-15 ~ 18
INDOOR				US30F.NR0	US36F.NR0
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Power Input (IDU)		H / M / L	W	47 / 42 / 36	65 / 47 / 42
Air Flow Rate		H / M / L	m <sup>3</sup> /min	21 / 17 / 13	25 / 21 / 17
Dimensions	Body	W x H x D	mm	1,200 x 360 x 265	1,200 x 360 x 265
Weight	Body		kg	18.3	18.3
Sound Pressure Level*	Cooling	H / M / L	dB(A)	46.0 / 42.0 / 38.0	51.0 / 46.0 / 42.0
Sound Power Level	Cooling	Max.	dB(A)	62	65
Piping Connections	Drain	O.D. / I.D.	mm	Ø21.5 / 16.0	Ø21.5 / 16.0
OUTDOOR				UUB1.U20	UUC1.U40
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker		Min.	A	20	25
Power Supply Cable (Included Earth)			No x mm <sup>3</sup>	3C x 2.5	3C x 2.5
Dimensions	Net	W x H x D	mm	870 x 650 x 330	950 x 834 x 330
Weight	Net		kg	44.5	57.7
Compressor	Type		-	Twin Rotary	Twin Rotary
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Precharged Amount / t-CO <sub>2</sub> eq		kg	1.2 / 0.81	1.9 / 1.283
	Chargeless		m	10	20
	Additional Charging Volume		g/m	40	40
Fan	Air Flow Rate	Rated	m <sup>3</sup> /min x No.	50 x 1	58 x 1
Total Piping Length		Min. / Max.	m	5 / 35	5 / 50
Piping Elevation	IDU - ODU	Max.	m	30	30

\* : Sound Pressure is not a value declared on Eurovent Program.

Note :

- Due to our policy of innovation some specifications may be changed without notification.
- Performances are based on the following conditions (It is accordance with EN14511)
  - Cooling : Indoor Ambient Temp 27°C DB / 19°C WB, Outdoor Ambient Temp 35°C DB / 24°C WB
  - Heating : Indoor Ambient Temp 20°C DB / 15°C WB, Outdoor Ambient Temp 7°C DB / 6°C WB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- Sound Level Values are measured at Noise Measuring chamber accordance with standard. Therefore, these values depend on the ambient conditions and values are normally higher in actual operation.
- This product contains fluorinated greenhouse gases. (R32)
- For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

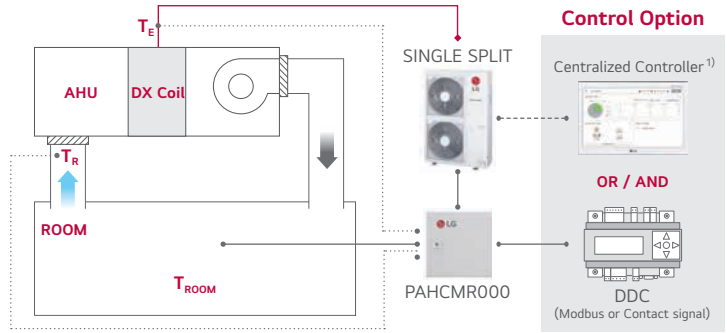
# Air Handling Applications

Economically feasible solution for pair application with air handling units.

## Return/Room Air Temperature Control

- Temp Sensors
- Comm. Line
- Central Comm. Line to ODU
- ◆ Ref. Pipe

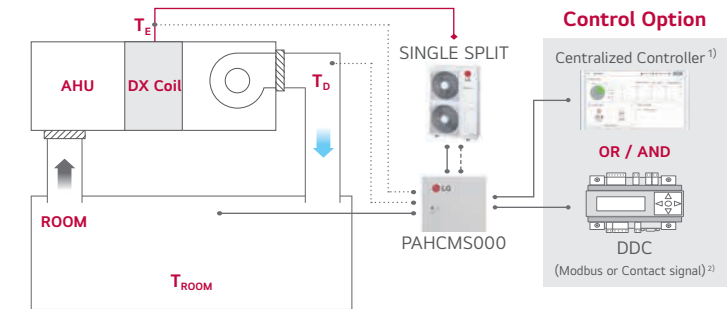
$T_E$  = Evaporator Temperature (Liquid Pipe / Gas Pipe)  
 $T_R$  = Return Air Temperature  
 $T_{ROOM}$  = Room Air Temperature



## Discharge Air Temperature Control

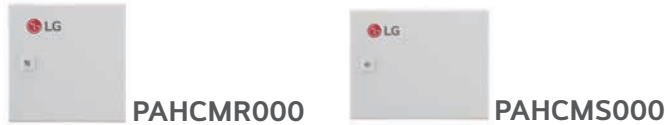
- Temp Sensors
- Comm. Line
- Central Comm. Line to ODU
- ◆ Ref. Pipe

$T_E$  = Evaporator Temperature (Liquid Pipe / Gas Pipe)  
 $T_D$  = Discharge Air Temperature  
 $T_{ROOM}$  = Room Air Temperature



- 1) PI485(PMNF14A1) is required for using centralized controller.
- 2) In case of applying DDC with contact signal, discharge air temperature should be measured and controlled by DDC.
- 3) For more detail, please refer to the PDB of AHU Communication Kit.

## Communication Kit



### Specification

MODEL	COMBINATION		DESCRIPTION	DIMENSIONS (MM)		
	OUTDOOR UNIT	CENTRALIZED CONTROLLER		W	H	D
PAHCMR000	Single Split	•	Return / Room air temperature control by DDC or LG individual / centralized controller	300	300	155
PAHCMS000	Single Split	•	Discharge air temperature control by DDC or LG individual / centralized controller	380	300	155

### Function list for Communication kit

	FUNCTION LIST*	PAHCMR000	PAHCMS000	NOTE
Control	Comm. Kit Operation	On / Off	On / Off	
	Operation Mode <sup>1)</sup>	Cooling / Heating	Cooling / Heating	
	Return (room) Air Temperature	16~30°C	-	
	Discharge Air Temperature <sup>2)</sup>	-	16~30°C	Available in case of using DDC with Modbus or LG Control system
	Fan Speed <sup>3)</sup>	Low / Middle / High	Low / Middle / High	It may not be possible depending on the particular condition
	Forced Thermal On / Off	On / Off	-	Available in case of using DDC with contact signal
Monitor	Capacity Control	-	•	Available in case of using DDC with Modbus or contact signal
	Comm. Kit Operation	On / Off	On / Off	
	Operation Mode <sup>1)</sup>	Cooling / Heating	Cooling / Heating	Available in case of using DDC with Modbus or LG Control system
	Fan Speed	Low / Middle / High	Low / Middle / High	
	Error Alarm	•	•	
	Compressor On / Off	On / Off	On / Off	Available in case of using DDC with Modbus or LG individual controller PAHCMR000 doesn't provide this in case of using DDC with contact signal

- 1) Available operation mode can be varied depending on the setting of AHU Communication Kit.
  - 2) This range may differ depending on the type of controller.
  - 3) To control and monitor the fan speed, DO ports for the fan speed status have to be connected with the fan unit.
- \* Some of functions may not be possible depending on the setting of AHU Communication Kit. For more details of condition, please refer to the product data book.

### Combination Table

		R32				R410A	
Model Name		UUA1.U0	UUB1.U20	UUC1.U40	UUD1.U30/ UUD3.U30	UU70W.U34	UU85W.U74
Capacity Index Range	kBtu/h	9 ~18	18 ~ 30	24 ~ 36	36 ~ 60	70	85
	kW	2.5 ~ 5.0	5.0 ~ 8.0	6.8 ~ 10.0	10.0 ~ 14.6	20.0	25.0
PAHCMR000		X	0	0	0	0	0
PAHCMS000		X	0	0	0	0	0

# LG Wi-Fi Modem

Contrôlez les climatiseurs à l'aide d'appareils Internet tels que les smartphones Android ou iOS.



**PWFMD200**

## Features

- L'utilisateur peut profiter d'un accès à tout moment et en tout lieu avec un appareil équipé d'une connexion Wi-Fi grâce à l'application mobile ThinQ.
- Cela permet à l'utilisateur d'accéder à l'unité à distance pour l'allumer ou l'éteindre avant ou après avoir quitté les lieux.
- L'application de commande des appareils domestiques exclusive à LG (ThinQ) est disponible.
- Utilisation simple pour diverses fonctions.
  - Activé / Désactivé
  - Mode de fonctionnement
  - Température actuelle / de consigne
  - Vitesse du ventilateur
  - Contrôle de l'ailette<sup>1)</sup>
  - Programmation (veille, activation / désactivation hebdomadaire)
  - Contrôle de l'énergie<sup>2)</sup>
  - Gestion des filtres
  - Vérification des erreurs
  - Purification de l'air<sup>3)</sup>

<b>Model Name</b>	PWFMD200
<b>Size (W x H x D, mm)</b>	48 x 68 x 14
<b>Interfaceable Products</b>	System Air Conditioner <sup>3)</sup>
<b>Connection Type</b>	Indoor unit 1:1
<b>Communication Frequency</b>	2.4 GHz
<b>Wireless Standards</b>	IEEE 802.11b/g/n
<b>Mobile Application</b>	ThinQ (Android v4.1(Jellybean) or higher, iPhone iOS 9.0 or higher)
<b>Optional Extension Cable</b>	PWYREW000 (10m extension)

Note : 1. Les fonctionnalités peuvent être différentes selon le modèle d'IDU

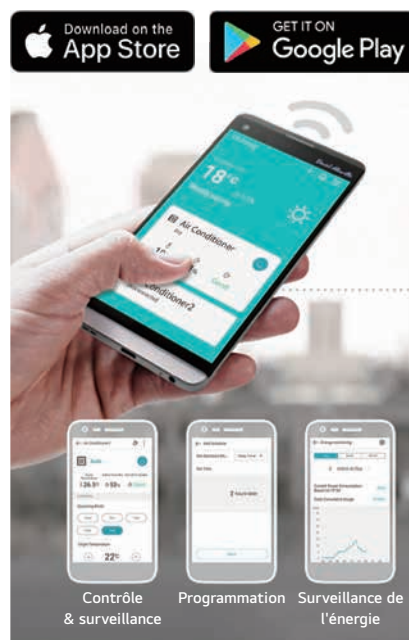
2. L'interface utilisateur de l'application doit être révisée afin d'en améliorer la conception et le contenu.

3. L'application est optimisée pour une utilisation sur smartphone, il est donc possible qu'elle ne fonctionne pas correctement avec les tablettes.

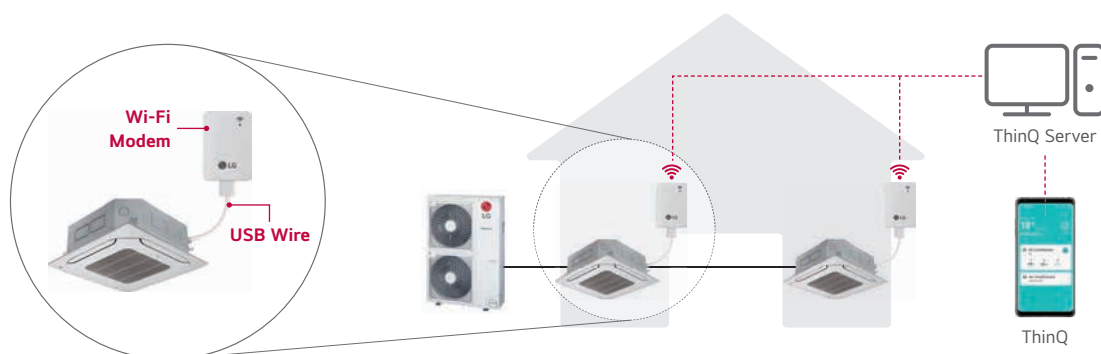
1) La commande de l'ailette peut ne pas être possible selon le type d'unité intérieure.

2) L'installation d'un contrôleur centralisé LG et d'un PDI est nécessaire pour cette fonction.

3) Pour la compatibilité avec les unités intérieures, le bureau régional de LG.



## Overview



※ Search "ThinQ" on Google market or Appstore then download the app.

※ Internet service with Wi-Fi connection has to be available.

※ For our policy of continuous ThinQ App improvement, specification, design and features are subject to change without prior notice.

**LG Airconditioners**  
creëren een perfect  
binnenklimaat, zowel in  
de zomer als in de winter.  
Gasloos verwarmen en koelen.

DUAL Inverter • Google Assistant • Wi-Fi • LG

**Multi Split System**  
Voor elke toepassing een  
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**THERMA V**  
R290 Monobloc

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- Toekomstbestendig
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